Department of the Air Force

Military Construction Program

Fiscal Year (FY) 2014
Budget Estimates

Justification Data Submitted to Congress
April 2013

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2014
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Department of the Air Force
Military Construction and Military Family Housing
Program Summary
Fiscal Year 2014

	Authorization Request ($000s)	Appropriation Request ($000s)
Military Construction		
Inside the United States	**722,630**	**585,630**
Outside the United States	**283,481**	**283,481**
Unspecified Locations	**255,700**	**255,700**
Planning and Design (10 USC 2807)		**11,314**
Unspecified Minor Construction (10 USC 2805)		**20,448**
Total Military Construction	**1,261,811**	**1,156,573**
Military Family Housing		
New Construction	**0**	**0**
Improvements	**72,093**	**72,093**
Planning and Design	**4,267**	**4,267**
Subtotal	**76,360**	**76,360**
Operations, Utilities and Maintenance	**111,330**	**111,330**
Utilities	**70,532**	**70,532**
Maintenance	**110,786**	**110,786**
Privatization	**41,436**	**41,436**
Leasing	**54,514**	**54,514**
Subtotal	**388,598**	**388,598**
Total Military Family Housing	**464,958**	**464,958**
Grand Total Air Force	**1,726,769**	**1,621,531**

In the FY2014 President's Budget, the Department is requesting an amendment to the National Defense Authorization Act for FY2013 (H.R. 4310) to increase the authorization for the Guam Strike Fuel Systems Hangar, Joint Region Marianas, Guam project from $58 million to $128 million. Amend Section 2301(b) of the FY13 NDAA by striking out the $58.0 million for Andersen AFB, Guam in the table "AIR FORCE OUTSIDE THE US" and inserting $128.0 million. The Continuing Appropriations Act for FY2012 (P.L. 112-74) appropriated $64 million for Increment 1 of this project. Once authorized, the Department will request Increment 2 ($64 million) in the FY2015 President's Budget. This book includes the project justification DD Form 1391 for this project.

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MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2014
(DOLLARS IN THOUSANDS)
INSIDE THE US

STATE/COUNTRY	INSTALLATION	PROJECT	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
ARIZONA	Luke	F-35 Field Training Detachment	5,500	5,500	
		F-35 Sq Ops/Aircraft Maintenance Unit #3	21,400	21,400	
		Luke TOTAL	26,900	26,900	
		ARIZONA TOTAL	26,900	26,900	
CALIFORNIA	Beale	Distributed Common Ground Station Ops Bldg	62,000	62,000	
		Beale TOTAL	62,000	62,000	
		CALIFORNIA TOTAL	62,000	62,000	
FLORIDA	Tyndall	F-22 Munitions Storage Complex	9,100	9,100	
		Tyndall TOTAL	9,100	9,100	
		FLORIDA TOTAL	9,100	9,100	
HAWAII	JB Pearl Harbor-Hickam	C-17 Modernize Hgr 35, Docks 1&2	4,800	4,800	
		JB Pearl Harbor-Hickam TOTAL	4,800	4,800	
		HAWAII TOTAL	4,800	4,800	
KENTUCKY	Fort Campbell	19th Air Support Operations Sqdrn Expansion	8,000	8,000	
		Ft Campbell TOTAL:	8,000	8,000	
		KENTUCKY TOTAL:	8,000	8,000	
MARYLAND	Fort Meade	CYBERCOM Joint Operations Center, Increment 1	358,000	85,000	
		Ft Meade TOTAL	358,000	85,000	
	JB Andrews	Helicopter Operations Facility	30,000	30,000	
		JB Andrews TOTAL	30,000	30,000	
		MARYLAND TOTAL	388,000	115,000	
MISSOURI	Whiteman	WSA MOP Igloos and Assembly Facility	5,900	5,900	
		Whiteman TOTAL:	5,900	5,900	
		MISSOURI TOTAL:	5,900	5,900	
NEBRASKA	Offutt	USSTRATCOM Replacement Facility - Incr 3	0	136,000	
		Offutt TOTAL:	0	136,000	
		NEBRASKA TOTAL:	0	136,000	
NEVADA	Nellis	Dormitory (240 RM)	35,000	35,000	
		F-35 Alt Mission Equip (AME) Storage	5,000	5,000	
		F-35 Parts Store	9,100	9,100	
		F-35 Fuel Cell Hangar	9,400	9,400	
		Add RPA Weapons School Facility	20,000	20,000	
		Nellis TOTAL:	78,500	78,500	
		NEVADA TOTAL:	78,500	78,500	
NEW MEXICO	Cannon	Dormitory (144 RM)	22,000	22,000	
		Airmen and Family Readiness Center	5,500	5,500	
		Satellite Dining Facility	6,600	6,600	
		Cannon TOTAL:	34,100	34,100	
	Holloman	F-16 Aircraft Covered Washrack and Pad	2,250	2,250	
		Holloman TOTAL:	2,250	2,250	
	Kirtland	Nuclear Systems Wg & Sustainment Center, Ph2	30,500	30,500	
		Kirtland TOTAL:	30,500	30,500	
		NEW MEXICO TOTAL:	66,850	66,850	
NORTH DAKOTA	Minot	B-52 ADAL Aircraft Maintenance Unit	15,530	15,530	
		B-52 Munitions Storage Igloos	8,300	8,300	
		Minot TOTAL:	23,830	23,830	
		NORTH DAKOTA TOTAL:	23,830	23,830	
OKLAHOMA	Tinker	KC-46A Land Acquisition	8,600	8,600	
		Tinker TOTAL:	8,600	8,600	
		OKLAHOMA TOTAL:	8,600	8,600	
TEXAS	Fort Bliss	F-16 BAK 12/14 Aircraft Arresting System	3,350	3,350	
		Ft Bliss TOTAL:	3,350	3,350	
		TEXAS TOTAL:	3,350	3,350	
UTAH	Hill	Fire Crash Rescue Station	18,500	18,500	
		F-35 Aircraft Mx Unit Hangar 45E Ops #1	13,500	13,500	
		Hill TOTAL:	32,000	32,000	
		UTAH TOTAL:	32,000	32,000	

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(DOLLARS IN THOUSANDS)
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STATE/COUNTRY	INSTALLATION	PROJECT	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
VIRGINIA	JB Langley-Eustis	4-Bay Conventional Munitions Inspection Bldg	4,800	4,800	
		JB Langley-Eustis TOTAL:	4,800	4,800	
		VIRGINIA TOTAL:	4,800	4,800	
		INSIDE THE US TOTAL:	722,630	585,630	

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(DOLLARS IN THOUSANDS)
OUTSIDE THE U.S.

STATE/COUNTRY	INSTALLATION	PROJECT	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
CNMI	Saipan	PAR - Airport POL/Bulk Storage AST	18,500	18,500	
		PAR - Hazardous Cargo Pad	8,000	8,000	
		PAR - Maintenance Facility	2,800	2,800	
		Saipan TOTAL:	29,300	29,300	
		CNMI Total:	29,300	29,300	
GREENLAND	Thule	Thule Consolidation, Phase 2	43,904	43,904	
		Thule TOTAL:	43,904	43,904	
		GREENLAND TOTAL:	43,904	43,904	
GUAM	JRM-Andersen	PAR - Tanker GP Mx Hangar/AMU/Sqd Ops	132,600	132,600	
		PAR - Fuel Sys Hardened Bldgs	20,000	20,000	
		PRTC RED HORSE Airfield Operations Facility	8,500	8,500	
		PAR - Tactical Missile Mxs Facility	10,530	10,530	
		PRTC SF Fire Rescue & Emergency Mgt	4,600	4,600	
		JRM-Andersen TOTAL:	176,230	176,230	
		GUAM TOTAL:	176,230	176,230	
UNITED KINGDOM	RAF Croughton	Main Gate Complex	12,000	12,000	
		RAF Croughton TOTAL:	12,000	12,000	
	RAF Lakenheath	Guardian Angel Operations Facility	22,047	22,047	
		RAF Lakenheath TOTAL:	22,047	22,047	
		UNITED KINGDOM TOTAL:	34,047	34,047	
		OUTSIDE THE US TOTAL:	283,481	283,481	
WORLDWIDE UNSPECIFIED	Unspecified	KC-46A MOB #1 Facility Projects	192,700	192,700	
	Unspecified	KC-46A FTU Facility Projects	63,000	63,000	
	Various	P-341 Unspecified Minor Military Construction		20,448	
	Various	P&D - Planning & Design		11,314	
		WORLDWIDE UNSPECIFIED TOTAL	255,700	287,462	
		INSIDE THE US TOTAL:	722,630	585,630	
		OUTSIDE THE US TOTAL:	283,481	283,481	
		WORLDWIDE UNSPECIFIED TOTAL:	255,700	287,462	
		FY 2014 TOTAL:	1,261,811	1,156,573	

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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 bed-down of new weapons systems: new or additional aircraft, missile and space projects; new equipment, e.g. radar, communication, computer satellite tracking and electronic security.

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

FY14	Authorization Request ($000)	Appropriation Request ($000)
NEW MISSION	1,124,907	851,907
CURRENT MISSION	136,904	272,904
PLANNING & DESIGN		11,314
MINOR CONSTRUCTION		20,448
TOTAL:	1,261,811	1,156,573

DEPARTMENT OF THE AIR FORCE
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MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2014
(DOLLARS IN THOUSANDS)
CURRENT MISSION/NEW MISSION BREAKOUT

STATE/COUNTRY	INSTALLATION	PROJECT	AUTH FOR APPROPRIATION	APPROPRIATION REQUEST	TYPE
GREENLAND	THULE	Thule Consolidation, Phase 2	$43,904	$43,904	CM
NEBRASKA	OFFUTT	USSTRATCOM Replacement Facility - Incr 3	$0	$136,000	CM
NEVADA	NELLIS	Dormitory (240 RM)	$35,000	$35,000	CM
NEWMEXICO	CANNON	Dormitory (144 RM)	$22,000	$22,000	CM
NEWMEXICO	CANNON	Airmen and Family Readiness Center	$5,500	$5,500	CM
UNITEDKINGDOM	RAF CROUGHTON	Main Gate Complex	$12,000	$12,000	CM
UTAH	HILL	Fire Crash Rescue Station	$18,500	$18,500	CM
		Current Mission TOTAL:	$136,904	$272,904	
ARIZONA	LUKE	F-35 Field Training Detachment	$5,500	$5,500	NM
ARIZONA	LUKE	F-35 Sq Ops/Aircraft Maintenance Unit #3	$21,400	$21,400	NM
CALIFORNIA	BEALE	Distributed Common Ground Station Ops Bldg	$62,000	$62,000	NM
FLORIDA	TYNDALL	F-22 Munitions Storage Complex	$9,100	$9,100	NM
GUAM	JRM-ANDERSEN	PAR - Tanker GP Mx Hangar/AMU/Sqd Ops	$132,600	$132,600	NM
GUAM	JRM-ANDERSEN	PAR - Fuel Sys Hardened Bldgs	$20,000	$20,000	NM
GUAM	JRM-ANDERSEN	PRTC RED HORSE Airfield Operations Facility	$8,500	$8,500	NM
GUAM	JRM-ANDERSEN	PAR - Tactical Missile Mx Facility	$10,530	$10,530	NM
GUAM	JRM-ANDERSEN	PRTC SF Fire Rescue & Emergency Mgt	$4,600	$4,600	NM
HAWAII	JBPH HICKAM	C-17 Modernize Hgr 35, Docks 1&2	$4,800	$4,800	NM
KENTUCKY	FORT CAMPBELL	19th Air Support Operations Sqdrn Expansion	$8,000	$8,000	NM
MARYLAND	JB ANDREWS	Helicopter Operations Facility	$30,000	$30,000	NM
MARYLAND	FORT MEADE	CYBERCOM Joint Operations Center, Increment 1	$358,000	$85,000	NM
MISSOURI	WHITEMAN	WSA MOP Igloos and Assembly Facility	$5,900	$5,900	NM
NEVADA	NELLIS	F-35 Alt Mission Equip (AME) Storage	$5,000	$5,000	NM
NEVADA	NELLIS	F-35 Parts Store	$9,100	$9,100	NM
NEVADA	NELLIS	F-35 Fuel Cell Hangar	$9,400	$9,400	NM
NEVADA	NELLIS	Add RPA Weapons School Facility	$20,000	$20,000	NM
NEWMEXICO	CANNON	Satellite Dining Facility	$6,600	$6,600	NM
NEWMEXICO	HOLLOMAN	F-16 Aircraft Covered Washrack and Pad	$2,250	$2,250	NM
NEWMEXICO	KIRTLAND	Nuclear Systems Wg & Sustainment Center, Ph2	$30,500	$30,500	NM
NORTHDAKOTA	MINOT	B-52 ADAL Aircraft Maintenance Unit	$15,530	$15,530	NM
NORTHDAKOTA	MINOT	B-52 Munitions Storage Igloos	$8,300	$8,300	NM
OKLAHOMA	TINKER	KC-46A Land Acquisition	$8,600	$8,600	NM
MARIANA ISLANDS	SAIPAN	PAR - Airport POL/Bulk Storage AST	$18,500	$18,500	NM
MARIANA ISLANDS	SAIPAN	PAR - Hazardous Cargo Pad	$8,000	$8,000	NM
MARIANA ISLANDS	SAIPAN	PAR - Maintenance Facility	$2,800	$2,800	NM
TEXAS	FORT BLISS	F-16 BAK 12/14 Aircraft Arresting System	$3,350	$3,350	NM
UNITEDKINGDOM	RAF LAKENHEATH	Guardian Angel Operations Facility	$22,047	$22,047	NM
UTAH	HILL	F-35 Aircraft Mx Unit Hangar 45E Ops #1	$13,500	$13,500	NM
VIRGINIA	JB LANGLEY-EUSTIS	4-Bay Conventional Munitions Inspection Bldg	$4,800	$4,800	NM
WORLDWIDEUNSPEC	UNSPECIFIED	KC-46A MOB #1 Facility Projects	$192,700	$192,700	NM
WORLDWIDEUNSPEC	UNSPECIFIED	KC-46A FTU Facility Projects	$63,000	$63,000	NM
		New Mission TOTAL:	$1,124,907	$851,907	
WORLDWIDE	UNSPECIFIED	Planning and Design		$11,314	P&D
WORLDWIDE	UNSPECIFIED	Unspecified Minor Military Construction		$20,448	P-341
		Central Program TOTAL:	$0	$31,762	
		Active AF Program TOTAL:	1,261,811	1,156,573	

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2014
INSTALLATION INDEX

INSTALLATION	COMMAND	STATE/COUNTRY	PAGE
BEALE	ACC	CALIFORNIA	30
CANNON	AFSOC	NEW MEXICO	80
FORT BLISS	AETC	TEXAS	110
FORT CAMPBELL	ACC	KENTUCKY	42
FORT MEADE	STRATCOM	MARYLAND	50
HILL	AFMC	UTAH	114
HOLLOMAN	ACC	NEW MEXICO	90
JB ANDREWS	AFDW	MARYLAND	46
JB LANGLEY-EUSTIS	ACC	VIRGINIA	121
JBPH HICKAM	PACAF	HAWAII	38
JRM-ANDERSEN	PACAF	GUAM	139
KIRTLAND	AFMC	NEW MEXICO	94
LUKE	AETC	ARIZONA	23
MINOT	AFGSC	NORTH DAKOTA	99
NELLIS	ACC	NEVADA	64
OFFUTT	ACC	NEBRASKA	59
RAF CROUGHTON	USAFE	UNITED KINGDOM	155
RAF LAKENHEATH	USAFE	UNITED KINGDOM	160
SAIPAN	PACAF	CNMI	125
THULE	AFSPC	GREENLAND	135
TINKER	AFMC	OKLAHOMA	106
TYNDALL	AETC	FLORIDA	34
WHITEMAN	AFGSC	MISSOURI	55

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ECONOMIC CONSIDERATIONS

An economic evaluation has been accomplished for all projects costing over $2 million where more than one possible option could be identified. 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 2014 Military Construction Program.

EVALUATION OF FLOOD PLAINS AND WETLANDS

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

FY 2014

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 4210M

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. REAL PROPERTY ADMINISTRATION

The FY 1977 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.

5. 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 2014

NON-MILCON FUNDING

Research and Development (RDT&E) NONE

AUTHORIZATION SOUGHT FOR PROJECT FOR WHICH FUNDS WERE APPROPRIATED IN FY2012 AND PARTIALLY AUTHORIZED IN FY2013

FY2014 MILITARY CONSTRUCTION, AIR FORCE

In the FY2014 President's Budget, the Department is requesting an amendment to the National Defense Authorization Act for Fiscal Year 2013 increasing the amount authorized for the Guam Strike Fuel Systems Hangar, Joint Region Marianas, Guam project from $58 million to $128 million. The Continuing Appropriations Act for FY2012 (P.L. 112-74) appropriated $64 million for Increment 1 of this project. Once full project scope is authorized at $128 million, the Department will request Increment 2 ($64 million) in the FY2015 President's Budget. The project justification DD Form 1391 for this project is provided on the next page.

1. COMPONENT	FY 2012 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JRM - ANDERSEN AIR FORCE BASE ANDERSEN AF BASE SITE # 1 GUAM	GUAM STRIKE FUEL SYSTEMS MAINTENANCE HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	211-179	1366/AJJY123010	AUTH: 128,000 APPN: 0

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				111,269
FUEL SYSTEMS MAINTENANCE HANGARS	SM	5,310	20,544	(109,087)
SDD & EP ACT 05	LS			(2,182)
SUPPORTING FACILITIES				3,870
SITE IMPROVEMENTS	LS			(631)
UTILITIES	LS			(1,595)
PAVEMENT	LS			(1,001)
COMMUNICATIONS	LS			(206)
INJECTION WELLS (ABANDON AND REP)	LS			(237)
ENVIRONMENTAL REMEDIATION	LS			(150)
ARCHEOLOGICAL MONITORING	LS			(50)
SUBTOTAL				115,139
CONTINGENCY (5.0%)				5,757
TOTAL CONTRACT COST				120,896
SUPERVISION, INSPECTION AND OVERHEAD (6.2%)				7,496
TOTAL REQUEST				128,391
TOTAL REQUEST (ROUNDED)				128,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(2,000.0)

10. Description of Proposed Construction: Construct a Fuel Systems Maintenance Hangar. The hangar is to be constructed of cast-in-place reinforced concrete consisting of an arched roof supported on three sides by vertical walls. The height of the side walls is set to 34 feet and the height at the center of the arch is set to 68 feet. The arched roof is strengthened with ribs spaced at approximately 31 feet on center. These ribs extend from the roof to the foundation, acting as buttresses for the walls. The roof and side walls are 3 feet 6 inches thick, and the cross-sectional dimensions of the ribs are 3 feet 6 inches wide by 8 feet deep. The front of the shelter, which is not supported on a wall, is covered by a system of horizontally and vertically sliding steel doors that allow the aircraft to enter and exit the shelter. The horizontally sliding doors are partitioned into four sections that slide independently. The vertically sliding door consists of a single section that, in the closed (down) position, provides lateral support to the horizontal doors. The door system is an assembly of steel plates, channels, and tubes. The supporting foundation requires 90,535 SF and is 8 feet thick . The project will include electrical, mechanical, water, communication, fire suppression/detection, intrusion detection, heating/air conditioning system with temperature and humidity environmental controls, utilities, pavements, breathing-air system, parking, associated site improvements, archeological monitoring 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 other structural elements) and Seismic Zone 4 earthquake criteria. This project will comply with DoD force protection requirements per Unified Facilities Criteria.

Air Conditioning: 15 Tons

DD FORM 1391, DEC 99 Previous editions are obsolete. Page No.

1. COMPONENT	FY 2012 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JRM - ANDERSEN AIR FORCE BASE ANDERSEN AF BASE SITE # 1 GUAM	GUAM STRIKE FUEL SYSTEMS MAINTENANCE HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	211-179	1366/AJJY123010	AUTH: 128,000 APPN: 0

11. Requirement: 5310 SM Adequate: SM Substandard: SM

PROJECT: Construct a fuel systems maintenance hangar. (New Mission)

REQUIREMENT: An adequately sized and configured facility is required to provide repairs, functionality checks, and inspections on aircraft fuel systems, fuel tanks, hydrazine systems, and related components in support of the Guam Strike mission. The Fuel Systems Maintenance Hangar is required to support a Continuous Bomber Presence (CBP), Tanker Task Force (TTF), Theater Security Packages (TSP), and the Global Hawk beddown. This facility is authorized a single aircraft parking bay and support space for heating, plumbing, latrines, ventilation, compressed air, and fire detection and suppression. The Fuel Systems Hangar includes space for bench stock/special tools storage, HAZMAT storage, and administrative support functions.

CURRENT SITUATION: The existing Hangar 1 provides limited fuel systems maintenance capability and also provides critical B-2 low observable repair capability. Currently this configuration does not meet the overall fuel systems maintenance requirement. The 36th Wing (WG) has designated and certified two parking spaces on the center parking ramp as fuel systems maintenance areas, which is acceptable for minor repairs during contingency operations. The fuel systems workload requires a full-time, diverse, integrated, fuels system maintenance capability. Hangar One contains the safety and utility functions to provide a limited fuel system repair capability for large frame aircraft; however, to meet unique operational requirements, it cannot be dedicated to the frequent and lengthy repairs associated with home station aircraft.

IMPACT IF NOT PROVIDED: Without this facility, Andersen AFB will be unable to provide adequate maintenance to aircraft fuel systems to support a Continuous Bomber Presence (CBP), Tanker Task Force (TTF), Theater Security Packages (TSP), and the Global Hawk beddown. Lack of this facility would significantly reduce readiness, and could result in degradation of operational capability, and may increase potential for a serious mishap.

ADDITIONAL: This project meets the criteria/ scope specified in Air Force Handbook 32-1084, Facility Requirements and PACAF Logistics Facilities Planning Guide. A preliminary analysis has been performed and determined that the only viable option is to construct a new Fuel Systems Maintenance Hangar. Therefore, a complete economic analysis was not performed. 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 the project in accordance with Executive Order 13423, 10 USC 2802 (c), and other applicable laws and Executive Orders. Base Civil Engineer: (671) 366-7101. Hangar 5,310 SM = 57,160 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. This project supports Total Force Integration initiatives.

In the FY2014 President’s Budget, the Department is requesting an amendment to the National Defense Authorization Act for Fiscal Year 2013 increasing the amount authorized for the Guam Strike Fuel Systems Hangar, Joint Region Marianas, Guam project from $58 million to $128 million. The Continuing Appropriations Act for FY2012 (P.L. 112-74) appropriated $64 million for Increment 1 of this project. Once the full project scope is authorized at $128 million, the Department will request Increment 2 ($64 million) in the FY2015 President's Budget.

DD FORM 1391, DEC 99 Previous editions are obsolete. Page No.

1. COMPONENT	FY 2012 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
JRM - ANDERSEN AIR FORCE BASE ANDERSEN AF BASE SITE # 1 GUAM	GUAM STRIKE FUEL SYSTEMS MAINTENANCE HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	211-179	1366/AJJY123010	AUTH: 128,000 APPN: 0

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	16-JUN-10
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2011	15%
* (d) Date 35% Designed	16-MAR-11
(e) Date Design Complete	30-SEP-11
(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	7,680
(b) All Other Design Costs	3,840
(c) Total	11,520
(d) Contract	9,600
(e) In-house	1,920
(4) Construction Contract Award	12 FEB
(5) Construction Start	12 MAR
(6) Construction Completion	14 JUN

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNISHINGS	3400	2012	650
SHOP EQUIPMENT	3080	2012	1,350

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APPROPRIATIONS LANGUAGE

FY2014 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 $1,156,573,000 to remain available until September 30, 2018: Provided that, of this amount, not to exceed $11,314,000 shall be available for study, planning, design and architect and engineer services, as authorized by law, unless the Secretary of the Air Force 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 therefor.

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1. COMPONENT AIR FORCE	**FY 2014 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST
LUKE AIR FORCE BASE ARIZONA	AIR EDUCATION AND TRAINING COMMAND	COST INDEX 1.02

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 12	502	3966	899	119	627		934	6232	907	14,186
END FY 2017	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 12)		1,877,776
c. Authorization Not Yet in Inventory:		87,720
d. Authorization Requested in this Program:	(FY 2014)	26,500
e. Planned in Next Four Years Program:		35,000
f. Remaining Deficiency:		86,000
g. Grand Total:		2,112,996

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2014)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
141-753	F-35 Sq Ops/AMU #3	4,282	SM	21,400	Design Build	
171-618	F-35 Field Training Detachment	1,012	SM	5,500	Design Build	
		Total		26,900		

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

121-115	F-35 Flightline Fillstands		15,500
131-111	Communications Facility		19,500
		Total	35,000

9b. Real Property Maintenance Backlog This Installation ($M) 335

10. Mission or Major Functions: An F-16 and F-35 flying training wing which conducts flight and crew chief training for the Combat Air Force and Air Control training.

11. Outstanding pollution and Safety (OSHA) Deficiencies:

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
LUKE AIR FORCE BASE LUKE A F BASE SITE # 1 ARIZONA	F-35 FIELD TRAINING DETACHMENT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27597	171-618	2517/NUEX093007	5,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				3,200
AIRCRAFT SYS MAINT TRAINER CLASSROOM	SM	435	3,228	(1,404)
EGRESS SYS MAINT TRAINER CLASSROOM	SM	507	3,015	(1,529)
ADMINISTRATIVE - SUPPORT AREA	SM	70	2,908	(204)
SUSTAINABILITY AND ENERGY MEASURES	LS			(63)
SUPPORTING FACILITIES				1,422
UTILITIES	LS			(203)
PAVEMENTS	LS			(487)
SITE IMPROVEMENTS	LS			(122)
COMMUNICATION REQUIREMENTS	LS			(110)
ENVIRONMENTAL REMEDIATION	LS			(500)
SUBTOTAL				4,622
CONTINGENCY (5.0%)				231
TOTAL CONTRACT COST				4,853
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				277
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				185
TOTAL REQUEST				5,314
TOTAL REQUEST (ROUNDED)				5,500)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(30,166

10. Description of Proposed Construction: Construct a sprinkler-equipped addition to Building 936 and repair existing parking lot using economical design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost cover effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

Air Conditioning: 15 Tons

11. Requirement: 3600 SM Adequate: 2588 SM Substandard: 0 SM

PROJECT: Construct addition to the Field Training Facility. (New Mission)

REQUIREMENT: A Field Training facility is required to support the beddown for the Joint Strike Fighter (JSF) F-35 aircraft scheduled to arrive beginning in August 2013. This additional space is needed to support the JSF F-35 aircraft field training detachment.

CURRENT SITUATION: The current field training buildings (219 and 936) do not meet space requirements for the F-35 field training, which will be occurring simultaneously with existing F-16 field training. Based on the latest F-35 delivery schedule, this facility will be late to need even if appropriated in FY14.

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1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
LUKE AIR FORCE BASE LUKE A F BASE SITE # 1 ARIZONA	F-35 FIELD TRAINING DETACHMENT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27597	171-618	2517/NUEX093007	5,500

IMPACT IF NOT PROVIDED: The required classroom space for the F-35 will not be in place and airmen maintaining the F-35 will not be functionally qualified when the F-35 arrives. Students would have to be sent to Eglin AFB on a space available basis, adversely affecting F-35 student training at this location and at a significant cost in TDY funds.

ADDITIONAL: The scope of this project is based on the AETC Program Plan (PPlan) for the Potential Beddown of the F-35A Pilot Training Center. The site survey for the PPlan occurred in October 2008 and updated in Sep 2010. As a new weapon system, Air Force Handbook 32-1084 does not yet adequately address the operational, training, and security requirements of the F-35 mission. An economic analysis of reasonable options was prepared comparing alternatives of status quo, renovation, addition/alteration and new construction. "Addition" was found to be the most cost effective alternative. 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. Base Civil Engineer: (623) 856-6135. ASMT Classroom: 435 SM = 4,678 SF; ESMT Classroom: 507 SM = 5,460 SF; Administrative-Support Area: 70 SM = 750 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 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LUKE AIR FORCE BASE LUKE A F BASE SITE # 1 ARIZONA	F-35 FIELD TRAINING DETACHMENT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27597	171-618	2517/NUEX093007	5,500

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	220
(4) Construction Contract Award	14 FEB
(5) Construction Start	14 MAR
(6) Construction Completion	15 SEP
(7) Energy Study/Life-Cycle analysis was/will be performed	YES

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

EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNISHINGS AND EQUIPMENT	3400	2015	166
SIMULATORS (ASMT, ESMT)	3080	2013	30,000

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
LUKE AIR FORCE BASE LUKE A F BASE SITE # 1 ARIZONA	F-35 SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT (#3)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27597	141-753	2517/NUEX093011	21,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				13,533
SQUADRON OPERATIONS/AMU FACILITY	SM	3,963	3,295	(13,058)
COVERED OUTDOOR SPACE	SM	319	595	(190)
SUSTAINABILITY AND ENERGY MEASURES	LS			(285)
SUPPORTING FACILITIES				5,067
UTILITIES	LS			(772)
SITE IMPROVEMENTS	LS			(376)
PAVEMENTS	LS			(666)
COMMUNICATION REQUIREMENTS	LS			(376)
ELECTRICAL FEEDER	M	732	2,191	(1,604)
DEMOLITION, VERTICAL	SM	1,433	539	(772)
ENVIRONMENTAL REMEDIATION	LS			(500)
SUBTOTAL				18,600
CONTINGENCY (5.0%)				930
TOTAL CONTRACT COST				19,530
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,113
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				744
TOTAL REQUEST				21,387
TOTAL REQUEST (ROUNDED)				21,400)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(4,100

10. Description of Proposed Construction: Build a combined Squadron Operations and AMU facility using conventional design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. Electrical feeder and associated switchgear/breakers includes appropriate sizing for future F-35 requirements. In addition, local materials and construction techniques shall be used where cost effective. The facility will include both classified and unclassified areas in the Squadron Operations area and an Aircraft Maintenance Unit (AMU) area. Demolish three buildings (1,433 SM) which are in the way of construction to provide a clear site. Project will comply with DoD Antiterrorism/Force Protection Requirements per the Unified Facilities Criteria.

Air Conditioning: 160 Tons

11. Requirement: 24528 SM Adequate: 20565 SM Substandard: 3963 SM

PROJECT: Construct Squadron Operations/Aircraft Maintenance Unit (New Mission)

REQUIREMENT: A consolidated Squadron Operations and Maintenance facility is required to support the beddown of the Joint Strike Fighter (JSF) F-35A aircraft. The Operations portion of the facility is required to support the operations

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1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION, SITE AND LOCATION LUKE AIR FORCE BASE LUKE A F BASE SITE # 1 ARIZONA	4. PROJECT TITLE F-35 SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT (#3)	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27597	141-753	2517/NUEX093011	21,400

squadron and contains the space for flight planning, secure air crew briefing and debriefing areas, and training and administration of the squadron. Space must be provided for the storage, care and issue of flight crew life support system equipment and personal space is required for changing into and out of flight clothing. Flightline maintenance is semi-autonomous and responsible for the launch, service, on-equipment repair, inspection and recovery of primary mission aircraft. This facility will provide adequate area for maintenance, a tool crib with mezzanine, equipment issue area classified vault storage area, equipment and administrative spaces required to support the aircraft and the mission of the particular squadron. The facility is required to be completed no later than March 2016 so it can be prepared for the third F-35 squadron arrival in October 2016.

CURRENT SITUATION: The current AMU and Squadron Operation facilities are inadequate and outdated to conduct maintenance and operations for the F-35A mission. The operational squadrons are required to work, train, deploy, and fight as independent squadrons. The current squadron operation and maintenance facilities are undersized, do not contain enough secure space for pilot briefings and classified parts storage. The electrical feeders serving the 900 area of the base are overloaded and unable take on any more load.

IMPACT IF NOT PROVIDED: Without this project being funded in FY2014, the required maintenance functions and personnel will not be operationally ready to receive the third F-35A squadron in October of 2016. The operational squadrons are required to work, train, deploy, and fight as independent squadrons. Work-arounds would adversely affect training and would significantly impact the mission required to support the F-35A program.

ADDITIONAL: The scope and dimensions for this project were based on Eglin AFB 95% design analysis and drawings for the JSF Squad Operations/AMU/Hangar facility. As a new weapon system, Air Force Handbook 32-1084 does not yet adequately address the operational, training, and security requirements of the F-35A mission. An economic analysis of reasonable options was prepared comparing alternatives of status quo, renovation, addition/alteration, and new construction. New construction was found to be the most economical alternative. 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. Base Civil Engineer: (623) 856-6135. Squadron Operations/AMU: 3963 SM (42,657 SF); Covered Outdoor Storage: 319 SM (3434 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 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LUKE AIR FORCE BASE LUKE A F BASE SITE # 1 ARIZONA	F-35 SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT (#3)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27597	141-753	2517/NUEX093011	21,400

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Project to be accomplished by design-build procedures

(2) Basis:
(a) Standard or Definitive Design - NO
(b) Where Design Was Most Recently Used -

(3) All Other Design Costs 856

(4) Construction Contract Award 14 FEB

(5) Construction Start 14 MAR

(6) Construction Completion 16 MAR

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNITURE, FIXTURES, & EQMNT	3400	2015	4,100

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1. COMPONENT AIR FORCE	**FY 2014 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
BEALE AIR FORCE BASE, CALIFORNIA	AIR COMBAT COMMAND	1.28

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 Sep 12	428	1904	982	0	0	0	0	0	0	3,314
END FY 2017	428	2052	980	0	0	0	0	0	0	3,460

7. INVENTORY DATA ($000)

a. Total Acreage:	23,204	
b. Inventory Total as of : (30 Sep 12)		3,599,816
c. Authorization Not Yet in Inventory:		0
d. Authorization Requested in this Program:	(FY2014)	62,000
f. Planned in Next Four Years Program:		0
g. Remaining Deficiency:		59,750
h. Grand Total:		121,750

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2014)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
141-456	DCGS Operations Facility	7,900	SM	62,000	Jun-12	Sep-13
		Total		62,000		

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

None

9b. Real Property Maintenance Backlog This Installation ($M) 254

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

11. Outstanding Pollution and Safety (OSHA Deficiencies):

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
BEALE AIR FORCE BASE BEALE AF BASE SITE # 1 CALIFORNIA	DISTRIBUTED COMMON GROUND STATION (DCGS) OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
35208	141-456	1460/BAEY143000	62,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				39,528
DCGS OPERATIONS FACILITY	SM	7,900	4,920	(38,868)
SUSTAINABILITY AND ENERGY MEASURES	LS			(660)
SUPPORTING FACILITIES				16,289
UTILITIES	LS			(4,170)
SITE IMPROVEMENTS	LS			(1,031)
PAVEMENTS	LS			(839)
FENCING	LS			(151)
DEMOLITION	SM	5,500	376	(2,068)
ENVIRONMENTAL REMEDIATION	LS			(250)
SPECIAL SCIF INFRASTRUCTURE	LS			(3,600)
GENERATORS	LS			(4,180)
SUBTOTAL				55,817
CONTINGENCY (5.0%)				2,791
TOTAL CONTRACT COST				58,608
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				3,341
TOTAL REQUEST				61,948
TOTAL REQUEST (ROUNDED)				62,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(3,650.0)

10. Description of Proposed Construction: Construct a DCGS facility utilizing economical design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition local materials and construction techniques shall be used where cost effective. Includes utilities, fire detection/ suppression system, intrusion alarms, special SCIF infrastructure (multi-network, reliability/redundancy criteria), pavements, site improvements, landscaping, communications/IT support and parking, additional facility perimeter fencing, environmental mitigation, and demolition of existing Tech pad, entry control point, and a small parking lot. This project will comply with DoD Antiterrorism/Force Protection requirements per Unified Facility Criteria.

Air Conditioning: 150 Tons

11. Requirement: 7900 SM Adequate: SM Substandard: SM

PROJECT: Construct a Distributed Common Ground Station (DCGS) Operations Facility. (New Mission)

REQUIREMENT: Functional space is required to collocate AF DCGS mission crews and support personnel, mission systems, and information to meet real-time and near-real-time, high ops tempo, in-garrison mission demands. Facility must include space for workstations and associated racks and communications equipment;

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1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION, SITE AND LOCATION BEALE AIR FORCE BASE BEALE AF BASE SITE # 1 CALIFORNIA	4. PROJECT TITLE DISTRIBUTED COMMON GROUND STATION (DCGS) OPERATIONS FACILITY	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
35208	141-456	1460/BAEY143000	62,000

mechanical space; warehouse space; and command staff offices. Facility must be sized to accommodate crew size based on number, duration, and frequency of world-wide intelligence, surveillance, and reconnaissance (ISR) sorties derived from programmed Air Force ISR sensors and detailed in the AF DCGS Master Plan. Facility required for permanent installation of multiple ground sensor platforms and associated control systems.

CURRENT SITUATION: Beginning in early FY06, mission equipment and crews moved from deployable shelters into temporary structures to facilitate a major AF DCGS system upgrade not supportable by the existing shelters. By FY10, a new 85,000 sq. ft. facility was ready for occupancy but due to increased mission since the FY06 design. Since early FY11, the continued expansion of mission requirements and consolidation needs have emerged for an additional 25,000 sq. ft. There are no excess facilities of adequate size or configuration available to support this mission beddown. Finally, this is a total force weapon system operation, consisting of one active duty group, three active duty squadrons, three Air National Guard (ANG) squadrons and one Air Force Reserve squadron.

IMPACT IF NOT PROVIDED: Failure to provide additional space for the DCGS and associated missions could result in mission failure as more sensors will be employed around the world than AF DCGS capability to operate them due to the limited space for operators and workstations. AF DCGS mission degradation will ultimately deprive theater forces of critical, real-time data necessary for force protection and mission effectiveness, resulting in the cancelling of in-theater operations.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An economical analysis was prepared comparing the alternatives of status quo, renovation/addition, and new construction. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. 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. Base Civil Engineeer: (530) 634-2942. DCGS Operations Facility; 7,900 SM = 85,000 SF.

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

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BEALE AIR FORCE BASE BEALE AF BASE SITE # 1 CALIFORNIA	DISTRIBUTED COMMON GROUND STATION (DCGS) OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35208	141-456	1460/BAEY143000	62,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	05-JUN-12
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2013	15%
* (d) Date 35% Designed	04-MAR-13
(e) Date Design Complete	30-SEP-13
(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	3,720
(b) All Other Design Costs	1,860
(c) Total	5,580
(d) Contract	4,650
(e) In-house	930
(4) Construction Contract Award	14 FEB
(5) Construction Start	14 MAR
(6) Construction Completion	16 APR

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
COMM EQUIPMENT	3800	2015	2,500
CAMERA EQUIPMENT	3800	2015	150
FURNITURE	3400	2016	1,000

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1. COMPONENT AIR FORCE	**FY 2014 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION TYNDALL AIR FORCE BASE FLORIDA	4. COMMAND: AIR COMBAT COMMAND	5. AREA CONST COST INDEX 0.81

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP12	336	2520	429	270	196	0	395	870	220	5,236
END FY 2017	350	2667	432	270	196	0	415	922	235	5,487

7. INVENTORY DATA ($000)			
a. Total Acreage:	29,069		
b. Inventory Total as of : (30 Sep 12)			1,277,014
c. Authorization Not Yet in Inventory:			26,350
d. Authorization Requested in this Program:		(FY 2014)	9,100
e. Planned in Next Four Years Program:			0
f. Remaining Deficiency:			38,500
g. Grand Total:			1,350,964

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2014)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
422-265	F-22 Munitions Storage Complex	1,225 SM	9,100	Feb 12	Sep 13
		Total	9,100		

9a. Future Projects: Typical Planned Next Four Years:
N/A

9b. Real Property Maintenance Backlog This Installation ($M) 205

10. Mission or Major Functions: A fighter training wing with one F-22A training squadron responsible for training F-22A aircrews and one combat-coded F-22A squadron; Air Combat Command's Headquarters First Air Force and 53rd Weapons Evaluation Group, and Southeast Air Defense Sector; Air Force Civil Engineering Services Agency, and Air Force Research Laboratory.

11. Outstanding pollution and Safety (OSHA) Deficiencies:

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
TYNDALL AIR FORCE BASE TYNDALL AFB SITE # 1 FLORIDA	F-22 MUNITIONS STORAGE COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27138	422-265	3366/XLWU103007	9,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				4,369
4 BAY CONVENTIONAL MX/INSPECTION FACILITY	SM	768	2,484	(1,908)
COVERED MUNS ASSEMBLY CONTAINER (MAC) PAD	LS			(1,150)
MAC PAD SUPPORT FACILITY	SM	69	2,484	(171)
STORAGE IGLOOS	SM	388	2,715	(1,053)
SUSTAINABILITY AND ENERGY MEASURES	LS			(86)
SUPPORTING FACILITIES				3,875
DEMOLITION	SM	265	377	(100)
UTILITIES	LS			(370)
PAVEMENTS/ALTERNATE MSA ROUTE	LS			(975)
SITE IMPROVEMENT	LS			(375)
COMMUNICATION	LS			(105)
FILL/WETLAND MITIGATION	LS			(1,500)
MSA FENCE EXPANSION/REALIGNMENT	LS			(450)
SUBTOTAL				8,244
CONTINGENCY (5.0%)				412
TOTAL CONTRACT COST				8,656
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				493
TOTAL REQUEST				9,149
TOTAL REQUEST (ROUNDED)				9,100
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(125.0)

10. Description of Proposed Construction: Construct a four bay conventional munitions maintenance facility utilizing economical design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will demolish one building (265 SM). This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

11. Requirement: 1395 SM Adequate: 0 SM Substandard: 1395 SM

PROJECT: F-22 Munitions Storage Complex (New Mission)

REQUIREMENT: An adequately sized, configured and sited 4 bay conventional munitions maintenance and inspection facility and a covered pad with support facility, security fence and lightning protection are required to support the beddown of a 21 combat coded F-22 Fighter Squadron aircraft in FY14 and associate munitions workload. Facilities are required to support increased air-to-ground munitions and one third fly away capability, increased Net Explosive Weight (NEW) requirements, concurrent explosive operations and consolidate/reallocate inert storage assets to more efficiently utilize existing and new facilities. An

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1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
TYNDALL AIR FORCE BASE TYNDALL AFB SITE # 1 FLORIDA	F-22 MUNITIONS STORAGE COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27138	422-265	3366/XLWU103007	9,100

alternate route out of the Munitions Storage Area is required to meet safety and operation criteria in the event the main route is obstructed by natural or manmade causes. The additional air-to-ground munitions significantly alter the explosive quantity distance setbacks, so adjustments must be made. Also, major utility infrastructure upgrades are necessary to accommodate redevelopment of the area.

CURRENT SITUATION: Tyndall AFB Munitions Support Area (MSA) predominantly supports air-to-air operations with limited air-to-ground munitions operations for a non-combat coded F-22 training squadron and tenant units. With the approved beddown of a Combat Coded, 21 F-22 Fighter Squadron aircraft in FY13, the existing MSA as configured, cannot support increased munitions, simultaneous operations and training requirements. The base does not have adequate facilities to conduct safe and efficient handling of munitions in support of F-22 operations. The existing condition in the MSA creates a situation that affects personnel safety, security, and reduces operational efficiency. The MSA does not currently have an alternate route for personnel, equipment and mission accomplishment in the event the current route is closed. The MSA is located in a flood-prone area with significant wetlands adjacent to the site. The area drains predominantly by sheet flow to open ditches and a few drop inlets that discharge through pipe culverts.

IMPACT IF NOT PROVIDED: Without adequate MSA facilities, the Air Force will not be able to adequately train personnel, build, store, generate required munitions within critical aircraft generations timelines to meet F-22 Operation Plans and Taskings. Mission readiness and capability will be significantly impacted resulting in degradation in operational capability and increasing potential for a serious mishap.

ADDITIONAL: This project meets applicable 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) indicated there is only one option that will meet operational requirements: new construction. Therefore, no economic analysis was needed or performed. 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 the project in accordance with Executive Order 13423, 10 USC 2802(c) and other applicable laws and Executive Orders. Base Civil Engineer: (850) 283-3283. 4 Bay Conventional Munitions Maintenance Facility: 837 SM = 9,009 SF; Storage Igloos: 388 SM = 4,176 SF.

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

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TYNDALL AIR FORCE BASE TYNDALL AFB SITE # 1 FLORIDA	F-22 MUNITIONS STORAGE COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	422-265	3366/XLWU103007	9,100

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	01-FEB-11
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2013	15%
* (d) Date 35% Designed	28-MAR-13
(e) Date Design Complete	01-SEP-13
(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	546
(b) All Other Design Costs	273
(c) Total	819
(d) Contract	707
(e) In-house	112
(4) Construction Contract Award	14 FEB
(5) Construction Start	14 MAR
(6) Construction Completion	16 APR

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
COMMUNICATIONS EQUIPMENT	3400	2015	100
FURNISHINGS	3400	2015	25

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1. COMPONENT AIR FORCE	**FY 2014 MILITARY CONSTRUCTION PROGRAM**	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
JB PEARL HARBOR HICKAM HAWAII	PACIFIC AIR FORCES	2.11

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 12	1,157	5,132	3,215	0	0	0	0	0	0	9,504
END FY 2017	1,126	4,939	3,020	0	0	0	0	0	0	9,085

7. INVENTORY DATA ($000)		
a. Total Acreage:		3,002
b. Inventory Total as of : (30 Sep 12)		4,722,030
c. Authorization Not Yet in Inventory:		19,471
d. Authorization Requested in this Program:	(FY 2014)	4,800
e. Planned in Next Four Years Program:		21,000
f. Remaining Deficiency:		247,100
g. Grand Total:		5,014,401

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2014)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
211-111	C-17 Modernize Hgr 35, Docks 1&2	N/A	LS	4,800	May-12	Sep-13
		Total		4,800		

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

141-183	F-22 Fighter Alert Facility	21,000
		21,000

9b. Real Property Maintenance Backlog This Installation: ($M) * 299

10. Mission or Major Functions: A host air base wing supporting C-135B/C aircraft and hosting Headquarters, Pacific Air Forces. The installation also hosts an Air National Guard wing consisting of an F-15A/B squadron, a KC-135 air refueling squadron, and a C-130H airlift squadron. Other major activities include an Air Intelligence Agency intelligence group and an Air Mobility 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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JOINT BASE PEARL HARBOR HICKAM HICKAM AFB SITE # 1 HAWAII	C-17 MODERNIZE HANGAR 35, DOCKS 1 AND 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	211-111	2345/KNMD142222	4,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITY				4,297
C-17 MAINTENANCE HANGAR MODERNIZATION	LS			(4,297)
SUPPORTING FACILITIES				0
SUBTOTAL				4,297
CONTINGENCY (5.0%)				215
TOTAL CONTRACT COST				4,512
SUPERVISION, INSPECTION AND OVERHEAD (6.2%)				280
TOTAL REQUEST				4,792
TOTAL REQUEST (ROUNDED)				4,800

10. Description of Proposed Construction: Modernize Hangar 35, Docks 1 and 2 using economical design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

11. Requirement: 7329 SM Adequate: 2974 SM Substandard: 0 SM

PROJECT: Modernize Hangar 35, docks 1 and 2. (Current Mission)

REQUIREMENT: The C-17 aircraft based at Joint Base Pearl Harbor-Hickam require an enclosed covered aircraft maintenance space in order to keep them fully operational. A Site Action Task Force (SATAF) validated this currently unfunded requirement. This project permits a cost-effective, partial workaround for C-17 to be maintained in Hangar 35 when the docks are not used for higher priority aircraft until a new C-17 hangar can be approved and constructed. It modifies hangar doors to permit complete entry of C-17 aircraft and provides the capability to jack C-17 aircraft.

CURRENT SITUATION: When weather permits, C-17 maintenance is performed on the flight line and in the existing nose dock hangars; although windy conditions does affect or preclude maintenance approximately 276 days each year is impacted as the wind makes the aircraft unstable when it?s on jack-stands. Even routine maintenance such as a tire change out. The fuel systems maintenance dock and Hangar 35 in its current configuration provide only nose dock capability. Hangar 35 docks are large enough to fully enclose C-17 but the aircraft's tail cannot fit through the hangar door and the concrete floor was not constructed to support jacking of that aircraft.

IMPACT IF NOT PROVIDED: This facility is late-to-need. C-17 aircraft in this squadron lose days of operational availability due to delays in routine maintenance caused by the weather. When work is started but weather conditions change from the forecast, airmen working in vicinity of a jacked aircraft are subjected to greater safety risk and man-hours lost while closing systems until maintenance can safely

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JOINT BASE PEARL HARBOR HICKAM HICKAM AFB SITE # 1 HAWAII	C-17 MODERNIZE HANGAR 35, DOCKS 1 AND 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	211-111	2345/KNMD142222	4,800

resume. Quality of life for airmen is adversely affected when maintenance is delayed until weather improves and work must be accomplished outside of scheduled working hours.

ADDITIONAL: This project meets applicable criteria/scope specified in Air Force Handbook 32-1084, Facility Requirements. Hangar 35 (building #1055) was built in 1938 and is a historic facility. The current design concepts preserve the historic building aspects and the project has concurrence from the State Historic Preservation Office. A preliminary analysis of reasonable options for meeting this requirement (status quo, renovation, new construction) indicated there is only one option that will meet operational requirements: new construction. This project will enable a partial work around so the squadron can partially meet operational requirements until such time as a new hangar can be constructed. Therefore, an economic analysis was not performed. A certificate of exception has been completed. Sustainable principles, to include Life Cycle cost effective practices, wil 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. Base Civil Engineer: (808) 448-2855.

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

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
JOINT BASE PEARL HARBOR HICKAM HICKAM AFB SITE # 1 HAWAII	C-17 MODERNIZE HANGAR 35, DOCKS 1 AND 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	211-111	2345/KNMD142222	4,800

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	07-MAY-12
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2013	100 %
* (d) Date 35% Designed	15-FEB-13
(e) Date Design Complete	30-SEP-13
(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	14 FEB
(5) Construction Start	14 MAR
(6) Construction Completion	15 JUN

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

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

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1. COMPONENT AIR FORCE	**FY 2014 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
FORT CAMPBELL, KENTUCKY	AIR COMBAT COMMAND	0.94

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 12	7	118	0	0	0	0	0	0	0	125
END FY 2017	9	176	0	0	0	0	0	0	0	185

7. INVENTORY DATA ($000)

a. Total Acreage:		
b. Inventory Total as of : (30 Sep 12)		
c. Authorization Not Yet in Inventory:		0
d. Authorization Requested in this Program:	(FY 2014)	8,000
e. Planned in Next Four Years Program:		0
f. Remaining Deficiency:		
g. Grand Total:		8,000

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2014)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
141-753	Air Support Operations Center	4,018	SM	8,000	Design Build	
		Total		8,000		

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

None

9b. Real Property Maintenance Backlog This Installation: ($M) 25

10. Mission or Major Functions: Fort Campbell is proud to be the home of the only Air Assault Division in the world, the 101st Airborne Division (Air Assault). We are also the home of two prestigious Special Operations Command units, the 5th Special Forces Group (Airborne) and the 160th Special Operations Aviation Regiment (Airborne). Additionally, we are the home to the 86th Combat Support Hospital, the 716th MP Battalion, and sizable Medical and Dental activities. We provide training and mobilization support for numerous Army National Guard and Army Reserve units.

11. Outstanding Pollution and Safety (OSHA Deficiencies):

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
FORT CAMPBELL FT CAMPBELL KY KENTUCKY	19TH AIR SUPPORT OPERATIONS SQUADRON EXPANSION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27418	141-753	5113/ACC123183	8,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				5,325
ADMIN FACILITY	SM	560	2,585	(1,448)
ELECTRONICS MAINTENANCE SHOP	SM	628	2,552	(1,603)
ORGANIZATIONAL EQUIPMENT AND STORAGE BUILDING	SM	966	1,356	(1,310)
STORAGE SHED COVERED	SM	1,864	463	(863)
SUSTAINABILITY AND ENERGY MEASURES	LS			(102)
SUPPORTING FACILITIES				1,608
UTILITIES	LS			(375)
PAVEMENTS	LS			(712)
SITE IMPROVEMENTS	LS			(521)
SUBTOTAL				6,933
CONTINGENCY (5.0%)				347
TOTAL CONTRACT COST				7,280
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				415
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				277
TOTAL REQUEST				7,972
TOTAL REQUEST (ROUNDED)				8,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(365

10. Description of Proposed Construction: Construct an administration and maintenance building utilizing conventional design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

Air Conditioning: 30 Tons

11. Requirement: 9008 SM Adequate: 4987 SM Substandard: 0 SM

PROJECT: 19th Air Support Operations Squadron Expansion (ASOS) (New Mission)

REQUIREMENT: A facility to support the expansion of the 19 ASOS to support a Chief of Staff of the Air Force initiative to consolidate ASOS operations. Facility will support administrative, operational, training, storage, vehicle and equipment maintenance. Maintain mission ready air support operational personnel, radios, vehicles and mobility equipment to provide command and control of close air support.

CURRENT SITUATION: Current facilities for the 19 ASOS are sufficient for the current mission only. No growth is possible within the confines of the existing facilities. Additional space is required to support Chief of Staff directed

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1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
FORT CAMPBELL FT CAMPBELL KY KENTUCKY	19TH AIR SUPPORT OPERATIONS SQUADRON EXPANSION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27418	141-753	5113/ACC123183	8,000

initiative. Unit strength to increase by 60 personnel and associated tactical vehicles/ equipment beginning in FY13.

IMPACT IF NOT PROVIDED: Significant work arounds will be required with daily mission impacts. Adequate facilities will not be available to perform training, operations and maintenance functions. Some personnel will have to be housed in facilities not co-located with current facilities. This will result in a loss of communication and coordination which will result in a significant waste of man hours and degrade mission capabilities.

ADDITIONAL: This project meets applicable 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) indicated there is only one option that will meet operational requirements: new construction. Therefore, no economic analysis was needed or performed. 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 the project in accordance with Executive Order 13423, 10 USC 2802(c) and other applicable laws and Executive Orders. Air Combat Command Department of Engineering: (915) 568-5933. Admin Facility: 560 SM = 5992 SF; Electronic Maintenance Shop: 628 SM = 6720 SF; Storage Shed: 1,864 SM = 20,064; Organizational Equipment and Storage Building: 966 SM = 10336 SF.

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

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FORT CAMPBELL FT CAMPBELL KY KENTUCKY	19TH AIR SUPPORT OPERATIONS SQUADRON EXPANSION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27418	141-753	5113/ACC123183	8,000

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 320

(4) Construction Contract Award 14 FEB

(5) Construction Start 14 MAR

(6) Construction Completion 15 SEP

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
COMMUNICATIONS EQUIPMENT	3400	2015	100
FURNISHINGS	3400	2015	265

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1. COMPONENT AIR FORCE	**FY 2014 MILITARY CONSTRUCTION PROGRAM**	2. DATE

INSTALLATION AND LOCATION JOINT BASE ANDREWS MARYLAND	COMMAND: AIR FORCE DISTRICT OF WASHINGTON	5. AREA CONST COST INDEX 1.03

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 12	1597	6894	2178		448		2078	1859		15,054
End of FY 2017	1758	6894	2846		448		2078	1859		15,883

7. INVENTORY DATA ($000)			
a. Total Acreage:	6,857		
b. Inventory (PRV) Total as of : (30 Sep 12)			3,678,007
c. Authorization Not Yet in Inventory:			9,300
d. Authorization Requested in this Program:		(FY2014)	30,000
e. Planned in Next Four Years Program			80,000
f. Remaining Deficiency:			174,000
g. Grand Total:			3,971,307

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2014)

CATEGORY CODE	PROJECT TITLE	SCOPE	UNIT	COST $,000	DESIGN START	STATUS CMPL
141-753	Helicopter Operations Facility	6,130	SM	30,000	Design Build	
		Total		30,000		

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

CATEGORY CODE	PROJECT TITLE		COST $,000
171-476	Construct 21 Point Enclosed Firing Range		10,000
		Total	10,000

9c. Real Propery Maintenance Backlog This Installation $(000)	86

10. Mission or Major Functions: Provide Contingency Response Capability Critical To National Security To Include Emergency Reaction Rotary-Wing Airlift For The National Capital Region, Combat-Ready Airmen To Air And Space Expeditionary Forces, And A Secure Installation And Robust Infrastructure To Support Andrews Air Force Base Organizations

11. Outstanding pollution and Safety (OSHA Deficiencies:

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JOINT BASE ANDREWS-NAVAL AIR FACILITY WASHINGTON ANDREWS SITE # 1 MARYLAND	HELICOPTER OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
91376	141-753	1377/AJXF103010	30,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				20,359
HELICOPTER OPERATIONS FACILITY	SM	6,130	3,256	(19,959)
SUSTAINABILITY AND ENERGY MEASURES	LS			(400)
SUPPORTING FACILITIES				5,725
COMMUNICATION AND SECURITY	LS			(875)
DEMOLITION	LS			(100)
PAVEMENTS	LS			(878)
SITE IMPROVEMENTS	LS			(1,862)
ENVIRONMENTAL REMEDIATION	LS			(400)
UTILITIES/CONNECTION FEE	LS			(1,360)
GENERATOR	LS			(250)
SUBTOTAL				26,084
CONTINGENCY (5.0%)				1,304
TOTAL CONTRACT COST				27,388
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,561
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				1,043
TOTAL REQUEST				29,993
TOTAL REQUEST (ROUNDED)				30,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(2,286

10. Description of Proposed Construction: Construct a helicopter operations facility utilizing economical design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition local materials and construction techniques shall be used where cost effective. Includes site preparations, fire suppression, parking lot, landscaping, storm water management, utilities and connections, relocate Pathfinder fence, and all other supporting facilities. Demolish outdoor pavilion. This project will comply with Anti-Terrorism/Force Protection requirements identified in Department of Defense Unified Facilities Criteria. Facility must comply with ADA Accessibility Guidelines for Buildings and Facilities (ADAAG).

Air Conditioning: 100 Tons

11. Requirement: 6130 SM Adequate: SM Substandard: 372 SM

PROJECT: Construct a Helicopter Operations Facility. (New Mission)

REQUIREMENT: An adequately sized and configured facility adjacent to the flightline is required to consolidate the 1st Helicopter Squadron and 811th Operational Support Squadron. This facility shall accommodate all administrative offices for these two organizations, a large TS-capable auditorium, multiple briefing/debriefing rooms, conference rooms, mission control area, classified

DD FORM 1391, DEC 99 Previous editions are obsolete. Page No.

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION, SITE AND LOCATION JOINT BASE ANDREWS-NAVAL AIR FACILITY WASHINGTON ANDREWS SITE # 1 MARYLAND	4. PROJECT TITLE HELICOPTER OPERATIONS FACILITY	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
91376	141-753	1377/AJXF103010	30,000

material storage, ready area, shower/locker rooms, standardization/evaluation section, technical order library space, rapid deployment slides, general storage area, software preparation room, database generation room and simulator bay.

CURRENT SITUATION: No other existing facility at Joint Base Andrews meets the requirements for the collocation of the 1st Helicopter Squadron and 811th Operational Support Squadron. The majority of personnel from these organizations are occupying a 60 year old hangar that is ill equipped to accommodate current personnel. This space deficit will become unmanageable with the arrival of 75 additional personnel and 8 aircraft between FY11 and FY16. As an interim solution, temporary trailers totaling 4000 square feet have been utilized on the hangar floor to accommodate office space and aircrew flight equipment workshop needs. However, the use of trailers comes at a direct cost to the mission as they occupy precious aircraft and maintenance space.

IMPACT IF NOT PROVIDED: The 1st Helicopter Squadron and 811th Operational Support Squadron will be unable to meet their 100% mission increase to support 3 classified, no-fail, national-level missions. Available space will be completely inadequate to perform the mission. The space deficit will require these organizations to further disperse/dilute with the arrival of additional personnel and aircraft causing mission failure due to the immediate response requirements of their contingency response mission.

ADDITIONAL: This project meets the scope/criteria specified in Air Force Handbook 32-1084 "Facility Requirements", DoDI 5305.5 Space Management Procedures, National Capital Region and the Squadron Operations / Maintenance Squadron (SQ OPS / MXS) Facility Design Guide. Sustainable principles 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. All known alternative options were considered during the development of this project. An economic analysis was prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Baed on the net Present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. Base Civil Engineer: Comm 301-981-7281. Helicopter Operations Facility: 6,130 SM = 65,983 SF

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

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
JOINT BASE ANDREWS-NAVAL AIR FACILITY WASHINGTON ANDREWS SITE # 1 MARYLAND	HELICOPTER OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
91376	141-753	1377/AJXF103010	30,000

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 1,200

(4) Construction Contract Award 14 FEB

(5) Construction Start 14 MAR

(6) Construction Completion 16 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 APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNITURE	3400	2015	862
COMMUNICATIONS	3080	2015	1,424

1. COMPONENT ARMY	**FY 2014 MILITARY CONSTRUCTION PROGRAM**	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST
FORT MEADE	US ARMY INSTALLATION	COST INDEX
MARYLAND	MANAGEMENT COMMAND	1.03

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 12	273	205	794							1,272
End of FY 2017	330	262	851							1,443

7. INVENTORY DATA ($000)

a. Total Acreage:	5,102		
b. Inventory (PRV) Total as of : (30 Sep 12)			2,939,429
c. Authorization Not Yet in Inventory:			0
d. Authorization Requested in this Program:		(FY2014)	85,000
e. Planned in Next Four Years Program			257,000
f. Remaining Deficiency:			0
g. Grand Total:			3,281,429

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2014)

CATEGORY CODE	PROJECT TITLE	SCOPE	UNIT	COST $,000	DESIGN START	STATUS CMPL
141-454	US Cyber Command Joint Operations Center, Inc 1	22,410	SM	85,000	Dec-11	Sep-13
		Total		85,000		

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

CATEGORY CODE	PROJECT TITLE		COST $,000
141-454	US Cyber Command Joint Operations Center, Inc 2		166,000
141-454	US Cyber Command Joint Operations Center, Inc 3		107,000
		Total	273,000

9c. Real Property Maintenance Backlog This Installation $(000) N/A

10. Mission or Major Functions: Provide base operating support for facilities and infrastructure, quality of life and protective services in support of Department of Defense activities and Federal agencies.

11. Outstanding pollution and Safety (OSHA Deficiencies:

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
FORT GEORGE G MEADE FORT GEORGE G MEADE MARYLAND	US CYBERCOM JOINT OPERATIONS CENTER-INC 1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
11830	141-454	5004/PAYZ130011	AUTH: 358,000 APPR: 85,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				274,633
JOINT OPERATIONS CENTER	SM	22,408	7,850	(175,898)
PARKING STRUCTURE	SM	23,488	671	(15,758)
CHILLER PLANT	SM	3,795	14,174	(53,789)
GENERATOR YARD	LS			(25,670)
SUSTAINABLE AND ENERGY MEASURES	LS			(3,518)
SUPPORTING FACILITIES				47,926
SITEWORK, FENCING, ROADS	LS			(5,886)
INFRASTRUCTURE AND CABLING	LS			(37,867)
ROAD IMPROVEMENT AND ACCESS CONTROL	LS			(4,172)
SUBTOTAL				322,558
CONTINGENCY (5.0%)				16,128
TOTAL CONTRACT COST				338,686
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				19,305
TOTAL REQUEST				357,991
TOTAL REQUEST (ROUNDED)				358,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(70,000.0)

10. Description of Proposed Construction: Construct a USCYBERCOM Joint Operations Center (JOC) including parking structure (800 spaces), chiller plant, generator yard, and supporting facilities. The JOC will be built on the National Security Agency (NSA) East Campus at Fort George G. Meade, MD. The primary facility will be comprised of a multi-story structure, operations floor/battle bridge, analyst/planner collaboration areas, and other operations areas. The mission support areas provide joint staff offices, executive offices, machine rooms, storage, laboratories, meeting rooms, and other support functions. Project consists of core and shell structure and foundations; elevator conveyance systems; electrical/mechanical service and distribution components/systems; fire protection alarm/suppression; information technology infrastructure, communications, and security systems support infrastructure. Interior will include raised access floor systems, acoustically-rated interior partitions and ceilings, power, lighting, environmental control and communications. The entire structure will be built to Sensitive Compartmented Information Facility (SCIF) standards. Project includes redundant primary power, Uninterruptable Power Supply (UPS) systems, and full generator backup capacity to ensure continuity of operations 24 hours/day, 365 days/year. UPS and generator backup will be fully MILCON funded for building systems and mission equipment. This project requires comprehensive interior design. Site infrastructure will include primary electrical service to the site, storm water management, water, sewer, chilled water distribution, and telecommunications pathways. Perimeter security construction will extend existing

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
FORT GEORGE G MEADE FORT GEORGE G MEADE MARYLAND	US CYBERCOM JOINT OPERATIONS CENTER-INC 1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
11830	141-454	5004/PAYZ130011	AUTH: 358,000 APPR: 85,000

fence line and surveillance capabilities, with increased vehicle control capacity. Architect-Engineer services will be required during construction. The JOC will be constructed to LEED Silver. Enhanced building commissioning is required. Project will comply with DoD Force Protection UFC.

Air Conditioning: 4,000 Tons

11. Requirement: 22408 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Construct a multi-story Joint Operations Center along with supporting infrastructure and a parking structure. (Current Mission)

REQUIREMENT: This facility is required to provide a critical joint operations environment necessary to support U.S. Cyber Command operations. The goal is to achieve the unity of effort required to prevent malicious, covert attempts to interrupt and compromise the functional capacity of the DoD networks. The process of monitoring, identifying, and countering these attacks will require a collaborative environment within which elements of all cyber activities can be represented, in a collocated manner while executing passive, active, and defensive network operations. This facility will incorporate new technologies and processes that will generate beneficial synergies through integration and collaboration. Through an open work environment that incorporates scalable, reconfigurable work spaces, cyber assets will be able to achieve both actual and virtual collaboration while maintaining their functional discipline. To meet these demands in a wholly independent manner with required levels of capacity/reliability, this facility will be supported by independent utility services for power, cooling and communications. In addition, all critical infrastructure will be constructed to provide redundancy.

CURRENT SITUATION: Currently, cyber activities in support of both the DoD and the nation are conducted individually in an NSA-centric structure. Network operations are prevented from realizing the full potential of the collaborative, cohesive work environments required for this initiative. To meet the immediate need, existing facilities are being reconfigured and supplemented through leased space. However, these efforts are limited by the availability of facilities with suitable locations, adequate AT/FP profiles, and power and cooling infrastructure capable of supporting mission critical activities.

IMPACT IF NOT PROVIDED: If the JOC is not provided, DoD's critical government and military network assets and infrastructure will continue to operate in a dispersed isolated manner with limited levels of functionality and security. Without the proposed collaborative capabilities of the JOC, DoD's network operations will become increasingly vulnerable to our adversaries. This project will provide the facility support necessary to assist in preventing potentially significant disruptions and intrusions to DoD's critical networks.

ADDITIONAL: NSA will serve as the design and construction manager for this project to be sited on NSA's Exclusive Use Area. The project has been coordinated with the installation facilities master plan and physical security plan. It complies with all required physical security and anti-terrorism standards. All required and anticipated physical security and antiterrorism protection measures are included. An Environmental Assessment has been completed that leverages the completed

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
FORT GEORGE G MEADE FORT GEORGE G MEADE MARYLAND	US CYBERCOM JOINT OPERATIONS CENTER-INC 1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
11830	141-454	5004/PAYZ130011	AUTH: 358,000 APPR: 85,000

Environmental Impact Study for the NSA campus. Alternative methods of meeting requirements have been explored during the development of this project. The economic analysis determined this project to be the only viable option to satisfy those requirements. Construction estimates include costs associated with construction on a controlled access site, clearances for personnel, labor inefficiencies associated with escort requirements, and other daily processes at NSA. Escorts are required for positive control of access to primary and secondary utilities, which service other critical NSA facilities. Stormwater management to mitigate environmental impact per environmental requirements are included. Facility will be designed to LEED Silver. This project is to be compliant with the current version of NSA's, Facilities Engineering Design Standards (FEDS).

Full authorization of $358M is requested in FY14 together with an appropriation request of $85M. Future year appropriation requests are planned for FY15 ($166M) and FY16 ($107M). USCYBERCOM POC: Director of Logistics (J4), (443) 654-8124.

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FORT GEORGE G MEADE FORT GEORGE G MEADE MARYLAND	US CYBERCOM JOINT OPERATIONS CENTER-INC 1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
11830	141-454	5004/PAYZ130011	AUTH:358,000 APPR:85,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	22-NOV-11
(b) Parametric Cost Estimates used to develop costs	
(c) Percent Complete as of 01 JAN 2013	35%
(d) Date 35% Designed	17-SEP-12
(e) Date Design Complete	30-AUG-13
(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	11,500
(b) All Other Design Costs	3,500
(c) Total	15,000
(d) Contract	13,000
(e) In-house	2,000
(4) Construction Contract Award	13 DEC
(5) Construction Start	14 FEB
(6) Construction Completion	17 FEB

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
EQUIPMENT/SECURITY/IT	3080	2016	64,000
FURNITURE/FURNISHINGS	3400	2016	6,000

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1. COMPONENT AIR FORCE	**FY 2014 MILITARY CONSTRUCTION PROGRAM**	2. DATE
3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI	4. COMMAND: AIR FORCE GLOBAL STRIKE COMMAND	5. AREA CONST COST INDEX 1.1

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 12	440	4271	1061	0	6	0	36	169	60	6,043
END FY 2017	440	4270	1061	0	6	0	36	169	60	6,042

7. INVENTORY DATA ($000)

a. Total Acreage:	4,993	
b. Inventory Total as of : (30 Sep 12)		3,994,118
c. Authorization Not Yet in Inventory:		15,300
d. Authorization Requested in this Program:	(FY2014)	5,900
e. Planned in Next Four Years Program:		23,500
f. Remaining Deficiency:		76,600
g. Grand Total:		4,115,418

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2014)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
422-264	WSA MOP Igloos and Assembly Fac	296	SM	5,900	Jul-12	Sep-13
		Total		5,900		

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

141-753	Stealth Ops and Nuclear Alert Facility		23,500
		Total	23,500

9b. Real Property Maintenance Backlog This Installation: 81

10. Mission or Major Functions: AFGSC Bomb Wing consisting of B-2 aircraft; Air Force Reserve A-10 aircraft.

11. Outstanding Pollution and Safety (OSHA Deficiencies):

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
WHITEMAN AIR FORCE BASE WHITEMAN SITE # 1 MISSOURI	WSA MOP IGLOOS AND ASSEMBLY FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	422-264	3420/YWHG111010	5,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				2,247
TWO NEW STORAGE IGLOOS	SM	479	4,600	(2,203)
SUSTAINMENT AND ENERGY MEASURES	LS			(44)
SUPPORTING FACILITIES				3,036
SITE IMPROVEMENTS	LS			(1,000)
DEMOLITION	SM	296	1,000	(296)
SITE UTILITIES	LS			(500)
TEMP FENCES AND ROADS	LS			(600)
PAVEMENT	LS			(500)
COMMUNICATION	LS			(140)
SUBTOTAL				5,283
CONTINGENCY (5.0%)				264
TOTAL CONTRACT COST				5,548
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				316
TOTAL REQUEST				5,864
TOTAL REQUEST (ROUNDED)				5,900

10. Description of Proposed Construction: Construct two additional Haymen-type conventional munitions storage Igloos utilizing conventional design and construction methods to accommodate the mission of the facilities. The facilities should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

11. Requirement: 1213 SM Adequate: 618 SM Substandard: 412 SM

PROJECT: Construct Two New MOP Igloos (New Mission)

REQUIREMENT: The B-2A bomber located at Whiteman AFB is the weapon delivery system for the Massive Ordnance Penetrator (MOP). Eight additional bomb bodies will be manufactured and delivered to Whiteman in the next two years. Upon arrival at Whiteman the bomb bodies will be placed on carriage loader adapters (CLA) which are mated to the MHU-204 trailer. The MHU trailer is 30 ft x 13 ft and has four tires; no other method exists to move the MOP into storage facilities or transport assembled munitions to the flightline for loading. The combined weight of the assembly (75,000 lbs) and the small surface area of the trailer tires require all floors, access roads and convoy routes to have at least 10" of concrete to have adequate structural support. Two igloos are needed because only four MOP's and trailers fit in each Haymen igloo (3 existing igloos plus 2, total store 20 MOP's). The trailers require 400Hz power for operation in the igloos. Overhead lightning protection systems are required to meet explosive safety standards. The project

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
WHITEMAN AIR FORCE BASE WHITEMAN SITE # 1 MISSOURI	WSA MOP IGLOOS AND ASSEMBLY FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	422-264	3420/YWHG111010	5,900

must include pavement and aprons necessary to connect facilities to munitions haul routes. Demolish Igloo 4019 and construct earth barricade north of Igloo 4018 with retaining wall to eliminate front exposure between 4018 and 4015. Earth barricade required to eliminate front exposure between 4015 and 4018. Roads capable of supporting the loads of the MOP and hauling equipment will need to be constructed to connect the new igloos to existing roads.

CURRENT SITUATION: With current available facilities, factoring the construction in progress, there is insufficient space to store additional MOP weapons. This project will provide the necessary space and facilities to support this weapon.

IMPACT IF NOT PROVIDED: Whiteman Air Force base will be unable to adequately support the MOP beddown schedule. Therefore, meeting the COCOM urgent operational need for this weapon system is in jeopardy without proper storage facilities. The base will be unable to support the permanent and compliant storage of MOP assets. The size and weight of the MOP make integration into existing munitions storage facilities impossible without risk acceptance; non-standard operating procedures would place personnel and equipment at a much greater physical risk.

ADDITIONAL: This project meets applicable 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) indicated there is only one option that will meet operational requirements: new construction. Therefore, no economic analysis was needed or performed. A waiver will be prepared. Base Civil Engineer: DSN 975-3205. WSA: Construct Two new MOP Igloos; 479 SM = 5,156 SF.

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

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
WHITEMAN AIR FORCE BASE WHITEMAN SITE # 1 MISSOURI	WSA MOP IGLOOS AND ASSEMBLY FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	422-264	3420/YWHG111010	5,900

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	16-JUL-12
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2013	15%
* (d) Date 35% Designed	20-FEB-13
(e) Date Design Complete	26-SEP-13
(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	354
(b) All Other Design Costs	177
(c) Total	531
(d) Contract	443
(e) In-house	89
(4) Construction Contract Award	14 FEB
(5) Construction Start	14 MAR
(6) Construction Completion	15 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 2014 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
OFFUTT AIR FORCE BASE, NEBRASKA	AIR COMBAT COMMAND	0.98

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 12	1838	5627	4038	81	101	68	427	208	453	12,841
END FY 2017	1815	5467	3347	81	101	68	427	208	453	11,967

7. INVENTORY DATA ($000)

a. Total Acreage:	3,644	
b. Inventory Total as of : (30 Sep 12)		4,129,666
c. Authorization Not Yet in Inventory:		574,400
d. Authorization Requested in this Program:	(FY 2014)	136,000
e. Planned in Next Four Years Program:		200,000
f. Remaining Deficiency:		125,200
g. Grand Total:		5,165,266

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2014)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
610-287	USSTRATCOM Replace Fac. - Incr 3	100,866	SM	136,000	Oct-09	Feb-11
		Total		136,000		

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

721-312	Dormitory (144 RM)		20,000
610-287	USSTRATCOM Replacement Facility - Incr 4		180,000
		Total	200,000

9b. Real Property Maintenance Backlog This Installation: 105

10. Mission or Major Functions: Headquarters USSTRATCOM; a strategic aerial reconnaissance wing with 5 flying reconnaissance squadrons flying the OC/RC/TC/WC-135 class aircraft and 1 strategic command and control squadron flying the E-4B, the Air Force Weather Agency, USAF Heartland of America Band and a Strategic Intelligence Squadron

11. Outstanding Pollution and Safety (OSHA Deficiencies):

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
OFFUTT AIR FORCE BASE OFFUTTAIRFORCEBSE SITE # 1 NEBRASKA	USSTRATCOM REPLACEMENT FACILITY - INCR 3

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	610-287	3100/SGBP100904F	AUTH: 0 APPN: 136,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				446,892
USSTRATCOM REPLACEMENT FACILITY	SM	100,866	4,344	(438,130)
SDD & EPACT 05	LS			(8,763)
SUPPORTING FACILITIES				61,172
UTILITIES	LS			(8,703)
PAVEMENTS	LS			(22,838)
SITE IMPROVEMENTS	LS			(13,583)
COMMUNICATIONS	LS			(7,769)
DEMOLITION-BLDGS	SM	16,963	195	(3,314)
BACKUP POWER GENERATION	LS			(4,965)
SUBTOTAL				508,064
CONTINGENCY (5.0%)				25,403
TOTAL CONTRACT COST				533,467
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				30,408
TOTAL REQUEST				563,875
TOTAL REQUEST (ROUNDED)				564,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(542,000.0)

10. Description of Proposed Construction: A multi-story facility with reinforced concrete foundation and floor slab, structural steel frame, masonry walls, single membrane roof, utilities, fire detection/protection, security, pavements, access road, adequate security gate, communications support, site improvements, passive force protection, landscaping, and all other necessary support. Significant portions of the construction will meet Secret Compartmentalized Information Facility (SCIF) criteria for open storage. Facility Command & Control and secure backup must be High Altitude Electro Magnetic Pulse (HEMP) Shielded and must survive an EF-5 tornado. This project will comply with DoD antiterrorism/force protection requirements per Unified Facility Criteria. Project includes demolition of buildings totaling 16,963SM.

Air Conditioning: 4,700 Tons

11. Requirement: 100866 SM Adequate: SM Substandard: 86263 SM

PROJECT: United States Strategic Command (USSTRATCOM) Replacement Facility (Current Mission)

REQUIREMENT: USSTRATCOM is tasked with the vital roles of strategic deterrence, space operations, and cyberspace operations in our nation's defense. Nuclear, space, and network command and control (C2) operations require secure and survivable infrastructure. In support of this mission, a 100,866 SM facility is required to house a 3,921 person work force. The facility must include secure HEMP-Shielded Command & Control Center, mainframe computer data centers, multiple

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1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
OFFUTT AIR FORCE BASE OFFUTTAIRFORCEBSE SITE # 1 NEBRASKA	USSTRATCOM REPLACEMENT FACILITY - INCR 3

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	610-287	3100/SGBP100904F	AUTH: 0 APPN: 136,000

24/7 mission operation centers, administrative space, storage and maintenance areas, labs/workrooms, distinguished visitor area, theater-type conference room with 400-person capacity, video teleconference, conference center, food service space, training area, adequate parking and access roads, back-up generators, and Uninterruptible Power Source (UPS).

CURRENT SITUATION: As USSTRATCOM has taken on more Unified Command Plan tasks, the need for classified working areas has far outstripped the current facility's ability to support. USSTRATCOM needs a new Command and Control facility/headquarters (HQ) to effectively meet its mission requirements. In addition to the current building infrastructure being unable to consistently and safely support the legacy nuclear mission, the facilities are ill suited to the maturing missions of Space and Cyberspace. These mission areas operate at the highest levels of classification in the DoD. However, the current facilities are short of the SCIF spaces required to effectively plan and execute missions in these domains. Currently available SCIF space in the building complex is scattered, forcing work arounds by the staff to accomplish mission taskings. This problem was evident during the Command's planning for the satellite shoot down in 2008. While the end result was a success, the lack of appropriate SCIF spaces hampered the planning and coordination. Furthermore, in the last two years, the key USSTRATCOM command and control facilities at Offutt AFB have suffered from failure in electrical service and cooling water. Finally, there has been flooding and fires in the HQ complex. These infrastructure shortcomings have put the missions and people at risk, and 24,000 man-hours have been lost as a result of these outages.

IMPACT IF NOT PROVIDED: The Command's ability to successfully plan and execute time critical Space and Cyberspace operations will be limited by the lack of adequate and consolidated SCIF space. The aging infrastructure housing the Nation's nuclear deterrent operations will place the mission in jeopardy due to a lack of or failing security and survivability and place personnel at risk of injury.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." Space requirements for operational functions were determined by USSTRATCOM. An economic analysis has been completed. 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. Base Civil Engineer:(402) 294-5501; (USSTRATCOM Replacement Facility: 100,866 SM = 1,085,748 SF).

JOINT USE CERTIFICATION: This facility is for a Combatant Command and as such is programmed for joint use; however, it is fully funded by the Air Force.

Fiscal Year	Auth Requested	Appn Requested	Appropriation
2012	$564.0M	$150.0M	$120.0M
2013		$161.0M	
2014		$136.0M	
2015		$180.0M	

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
OFFUTT AIR FORCE BASE OFFUTTAIRFORCEBSE SITE # 1 NEBRASKA	USSTRATCOM REPLACEMENT FACILITY - INCR 3

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	610-287	3100/SGBP100904F	AUTH: 0 APPN: 136,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	26-OCT-09
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2013	
* (d) Date 35% Designed	16-APR-10
(e) Date Design Complete	28-FEB-11
(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	31,615
(b) All Other Design Costs	3,885
(c) Total	35,500
(d) Contract	33,000
(e) In-house	2,500
(4) Construction Contract Award	12 AUG
(5) Construction Start	12 SEP
(6) Construction Completion	16 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)
C4I SYSTEMS ENGINEERING/INTEGR	3400	2012	8,000
C4I SYSTEMS ENGINEERING/INTEGR	3400	2013	7,000
UPS; SECURITY COMPONENTS	3080	2013	25,000
FURNISHINGS	3400	2014	22,000
FURNISHINGS	3400	2015	77,000
COMM/COMPUTER SYSTEM	3080	2015	99,000
COMM/COMPUTER/UPS SYSTEM	3080	2015	55,000

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1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	610-287	3100/SGBP100904F AUTH: 0	APPN: 136,000

COMM/COMPUTER SYSTEM	3080	2016	197,000
COMM/COMPUTER SYSTEM	3080	2017	44,000
COMM/COMPUTER SYSTEM	3080	2018	8,000

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1. COMPONENT AIR FORCE	**FY 2014 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
NELLIS AIR FORCE BASE, NEVADA	AIR COMBAT COMMAND	1.22

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 12	1053	6415	2709	75	135	2	0	1	263	10,653
END FY 2017	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 12)		2,109,983
c. Authorization Not Yet in Inventory:		108,189
d. Authorization Requested in this Program:	(FY 2014)	78,500
e. Planned in Next Four Years Program:		46,950
f. Remaining Deficiency:		178,000
g. Grand Total:		2,521,622

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2014)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
215-552	F-35 Alter Mission Equipment Storage	2,351	SM	5,000	Design	Build
721-312	Dormitory (240 RM)	8,640	SM	35,000	Design	Build
442-768	F-35 Parts Storage	2,322	SM	9,100	Design	Build
211-179	F-35 Fuel Cell Hangar	1,515	SM	9,400	Design	Build
141-753	Add RPA weapons School Facility	4,465	SM	20,000	Design	Build
		Total		78,500		

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

211-111	F-35 Aircraft MX Unit, 4 Bay Hangar	29,000
171-212	F-22 Flight Simulator Facility	11,000
171-212	HH-60 RECAP Operational Trainer Facility Bldg	2,700
211-152	ADAL HH-60 General Purpose Maintenance Facility	4,250
		46,950

9b. Real Property Maintenance Backlog This Installation: ($M) 56

10. Mission or Major Functions: USAF Warfare Center manages advanced pilot training, operation, testing, and tactics development in air, space, and cyberspace. Its 98th Range Wing oversees a 15,000 sq.-mile Nevada Test and Training Range Complex and two emergency airfields. 57th Wing, A-10A, F-15C/E, F-16, F-22A, HH-60G, MQ-1 Predator, MQ-9 Reaper. 57th Wing missions include Red Flag exercises (414th Combat Training Sq.); graduate level pilot training (USAF Weapons School); support for Army exercises (549th Combat Training Sq.); training for international personnel in joint firepower procedures and techniques (57th Operations Gp.); and USAF Air Demonstration Sq. (Thunderbirds). 53rd Wing, at 17 locations nationwide, serves as focal point for combat air forces in electronic warfare, armament and avionics, chemical defense, reconnaissance, and aircrew training devices, and operational testing and evaluation of proposed new equipment and systems. 505th Command and Control Wing builds the predominant air and space command and control ability for combined joint warfighters through training, testing, exercising, and experimentation.

11. Outstanding Pollution and Safety (OSHA Deficiencies):

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE NELLIS SITE # 1 NEVADA	ADD RPA WEAPONS SCHOOL FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
25219	171-211	3056/RKMF113005	20,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				16,851
WEAPONS SCHOOL FACILITY	SM	4,465	3,700	(16,521)
SUSTAINABILITY AND ENERGY MEASURES	LS			(330)
SUPPORTING FACILITIES				847
UTILITIES	LS			(257)
PAVEMENTS	LS			(240)
SITE IMPROVEMENTS	LS			(300)
COMMUNICATIONS SUPPORT	LS			(50)
SUBTOTAL				17,698
CONTINGENCY (5.0%)				885
TOTAL CONTRACT COST				18,583
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,059
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				708
TOTAL REQUEST				20,350
TOTAL REQUEST (ROUNDED)				20,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(25,530

10. Description of Proposed Construction: Construct an addition to the Remotely Piloted Aircraft (RPA) Weapons School facility using economical design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost cover effective. Work includes security measures, sensitive compartmentalized information facilities (SCIF), utilities, site improvements, landscaping and all other necessary support. This project will comply with DoD antiterrorism/force protection requirements per Unified Facilities Criteria.

Air Conditioning: 60 Tons

11. Requirement: 12413 SM Adequate: 7948 SM Substandard: 0 SM

PROJECT: Add RPA Weapons School Facility (New Mission)

REQUIREMENT: Adequately sized and configured USAF Weapon School operational training facilities are required to support the advanced training of RPA pilots and Sensor operators at Nellis AFB. The primary mission of USAF Weapon School is to provide advanced tactics and weapons training for pilots, aircrews and sensor operators for the CAF (Combat Air Forces) who in turn pass on their skill to pilots, aircrews and sensor operators at their home stations. The Nellis training environment includes ranges that provide aircraft operators critically needed simulated and live fire combat employment scenarios for the RPA weapons system. This facility provides space for instructors, students, classrooms, mission brief/de-brief rooms, weapons tactics trainers, RPA fixed ground control stations

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1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE NELLIS SITE # 1 NEVADA	ADD RPA WEAPONS SCHOOL FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
25219	171-211	3056/RKMF113005	20,000

and other training devices.

CURRENT SITUATION: There are no excess or adequate facilities available that can be converted to accommodate this new requirement and beddown. Current and future needs for classrooms, instructor pilot offices, weapons school squadron command areas, pilot and maintenance brief/debrief rooms, auditoriums and secure work areas exceed the available space within existing USAF Weapon School facilities. The co-location of assets is required to maximize operational synergism and optimize interaction of students and other weapons system squadrons of the USAF Weapons School.

IMPACT IF NOT PROVIDED: Lacking adequate training facilities, RPA pilots and sensor operators will not receive critically needed simulated and live fire combat employment training scenarios for their weapon system. Incremental increases in existing USAF Weapons School Division requirements and additional new missions will not be accommodated, thus, severely jeopardizing the quality of training provided to combat aircrews by the USAF Weapons School.

ADDITIONAL: This project meets applicable 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) indicated there is only one option that will meet operational requirements: new construction. Therefore, no economic analysis was needed or performed. 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 the project in accordance with Executive Order 13423, 10 USC 2802(c) and other applicable laws and Executive Orders. Base Civil Engineer: (702) 652-4833. Weapons School Addition: 4465 SM = 48,060 SF.

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

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE NELLIS SITE # 1 NEVADA	ADD RPA WEAPONS SCHOOL FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
25219	171-211	3056/RKMF113005	20,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Project to be accomplished by design-build procedures

(2) Basis:
(a) Standard or Definitive Design - NO
(b) Where Design Was Most Recently Used -

(3) All Other Design Costs 800

(4) Construction Contract Award 14 FEB

(5) Construction Start 14 MAR

(6) Construction Completion 15 SEP

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNISHINGS	3400	2015	250
COMMUNICATIONS EQUIPMENT	3400	2015	80
PMAT SIMS (4)	3080	2014	12,000
FIXED GCS (8)	3080	2015	13,200

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3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE NELLIS SITE # 1 NEVADA	DORMITORY (240 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	721-312	3056/RKMF083002	35,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				26,962
DORMITORY (240 RM)	SM	8,640	3,060	(26,434)
SUSTAINABILITY AND ENERGY MEASURES	LS			(528)
SUPPORTING FACILITIES				3,639
UTILITIES	LS			(234)
SITE IMPROVEMENTS	LS			(720)
PAVEMENTS	LS			(246)
COMMUNICATIONS SUPPORT	LS			(80)
DEMOLITION	SM	4,966	475	(2,359)
SUBTOTAL				30,601
CONTINGENCY (5.0%)				1,530
TOTAL CONTRACT COST				32,131
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,831
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				1,224
TOTAL REQUEST				35,187
TOTAL REQUEST (ROUNDED)				35,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,275

10. Description of Proposed Construction: Construct a dormitory utilizing economical design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will demo two dormitories for 4,966 SM. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

Air Conditioning: 660 Tons Grade Mix: E1-E4 240

11. Requirement: 1274 RM Adequate: 816 RM Substandard: 162 RM

PROJECT: Dormitory (240 RM). (Current Mission)

REQUIREMENT: A major Air Force objective provides unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complex and important jobs these people perform. The retention of these highly trained airmen is essential to our readiness posture and continuing world-wide presence. This project is in accordance with the 2012 - 2016 Air Force Dormitory Master Plan.

CURRENT SITUATION: Dormitories 727 and 729, constructed in 1976, are three story dormitories with 66 and 96 rooms respectively. These Dormitories have received only minimal renovations over the past 35 years, with the last minor renovation to the bathrooms occurring in 1997. The rooms were rated as "inadequate", and do not

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE NELLIS SITE # 1 NEVADA	DORMITORY (240 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	721-312	3056/RKMF083002	35,000

meet room size and configuration requirements based upon current Air Force grade allowances. Dormitories 727 and 729 do not meet force protection requirements including progressive collapse, blast protection and standoff distances from major base arterials. Per the 2012 to 2016 Air Force Dormitory Master Plan, the cost to renovate these dormitories exceed 92% of the replacement costs for these buildings, and the plan recommends Dormitories 727 and 729 for replacement and demolition following the completion of a new 240 PN permanent party dormitory. This new dormitory will also address an existing dorm room deficit.

IMPACT IF NOT PROVIDED: Adequate living quarters, meeting current Air Force living standards, which provide a level of privacy required for today's airmen will not be available, resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Young airmen will be forced to live off-base in more expensive residences due to the lack of proper on-base quarters.

ADDITIONAL: This project meets applicable 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) indicated there is only one option that will meet operational requirements: new construction. Economic analysis was conducted during Dorm Master Plan development. FY 2012 unaccompanied housing RPM conducted: $150K. FY2013 unaccompanied RPM planned: $150K. Future unaccompanied RPH planned: $50K per year. 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. Base Civil Engineer: (702) 652-4833. Dormitory: 8,640 SM = 93,000 SF.

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

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE NELLIS SITE # 1 NEVADA	DORMITORY (240 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	721-312	3056/RKMF083002	35,000

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	1,400
(4) Construction Contract Award	14 FEB
(5) Construction Start	14 MAR
(6) Construction Completion	16 MAR
(7) Energy Study/Life-Cycle analysis was/will be performed	YES

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

EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNISHINGS	3400	2015	1,200
COMMUNICATIONS-ELECT EQUIPMENT	3400	2015	75

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE NELLIS SITE # 1 NEVADA	F-35 ALT MISSION EQUIP (AME) STORAGE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27142	215-552	3056/RKMF103005	5,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				3,588
F-35 AME STORAGE FACILITY (ADDITION)	SM	2,241	1,506	(3,375)
F-35 AME STORAGE FACILITY (ALTERATION)	SM	110	1,300	(143)
SUSTAINABILITY AND ENERGY MEASURES	SM	2,341	30	(70)
SUPPORTING FACILITIES				759
UTILITIES	LS			(189)
SITE IMPROVEMENTS	LS			(320)
PAVEMENTS	LS			(160)
COMMUNICATIONS SUPPORT	LS			(90)
SUBTOTAL				4,347
CONTINGENCY (5.0%)				217
TOTAL CONTRACT COST				4,564
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				260
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				174
TOTAL REQUEST				4,998
TOTAL REQUEST (ROUNDED)				5,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(70

10. Description of Proposed Construction: Construct an addition and alteration to the existing AME storage facility utilizing economical design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

Air Conditioning: 100 Tons

11. Requirement: 4344 SM Adequate: 2103 SM Substandard: 0 SM

PROJECT: F-35 Alt Mission Equip (AME) Storage. (New Mission)

REQUIREMENT: Additional Alternate Mission Equipment (AME) storage capacity is required to support the permanent beddown of 36 F-35 Primary Development/Test Aircraft and approximately 215 personnel starting in FY13. This facility is required to support the permanent beddown of 12 F-35 Primary Development/Test Aircraft starting in 2nd Quarter FY13 and 24 Primary Training Aircraft beginning 1st Quarter FY15 at Nellis AFB. Operational testing of the F-35 is a critical Combat Air Forces (CAF) requirement that supports fielding and combat employment of all F-35 squadrons around the world. These tests are instrumental for the development of the weapons employment tactics for the CAF. In addition, the initial operators and maintainers train the follow-on forces/personnel associated with the F-35. Successful training of initial cadre is critical for the long term

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1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE NELLIS SITE # 1 NEVADA	F-35 ALT MISSION EQUIP (AME) STORAGE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27142	215-552	3056/RKMF103005	5,000

health of the fleet and personnel. With 24 months normally required for construction and 6 months required for security accreditation, the construction period will have to be compressed and temporary O&M work-arounds will be implemented to meet aircraft delivery timelines. This additional time is required to support facility security accreditation process; maintenance computer tracking/maintenance systems, communication instruments/systems; telephones; furniture and other work necessary for a complete and usable facility for the intended purpose. Nellis AFB has been designated as the beddown location for Force Development and Evaluation and the USAF Weapon School for the F-35 Weapon System.

CURRENT SITUATION: Nellis AFB does not have excess AME storage capacity to support the addition of 36 F-35 aircraft and associated aircraft maintenance and equipment storage functions. This project is an addition to Bldg 422 (1626 SM), an armament/AME storage facility completed in FY08 under "BRAC-Aircraft Maintenance Shop Facilities". Nellis is one of the most congested airfields in the Air Force from an operational and logistical perspective. The installation supports diversified weapons systems ranging from helicopters to F-22 aircraft; including all supporting operational tests, weapons school and flag exercises. In addition, Nellis AFB employs up to 80% of the live munitions in the CONUS.

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

ADDITIONAL: This project meets applicable 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) indicated there is only one option that will meet operational requirements: new construction. Therefore, no economic analysis was needed or performed. 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 the project in accordance with Executive Order 13423, 10 USC 2802(c) and other applicable laws and Executive Orders. Base Civil Engineer: (702) 652-4833. AME Storage Facility (Addition): 2,241 SM = 24,124 SF; AME Storage Facility (Alteration): 110 SM = 1,181 SF.

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

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE NELLIS SITE # 1 NEVADA	F-35 ALT MISSION EQUIP (AME) STORAGE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27142	215-552	3056/RKMF103005	5,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Project to be accomplished by design-build procedures

(2) Basis:
(a) Standard or Definitive Design - NO
(b) Where Design Was Most Recently Used -

(3) All Other Design Costs 200

(4) Construction Contract Award 14 FEB

(5) Construction Start 14 MAR

(6) Construction Completion 15 MAR

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
WAREHOUSE EQUIPMENT	3080	2014	60
COMMUNICATIONS EQUIPMENT	3400	2014	10

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE NELLIS SITE # 1 NEVADA	F-35 FUEL CELL HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27142	211-179	3056/RKMF103009	9,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				5,775
F-35 FUEL CELL HANGAR ADDITION	SM	1,115	4,217	(4,702)
F-35 FUEL CELL HANGAR ALTERATION	SM	400	2,400	(960)
SUSTAINABILITY AND ENERGY MEASURES	LS			(113)
SUPPORTING FACILITIES				2,384
UTILITIES	LS			(370)
PAVEMENTS	LS			(630)
SITE IMPROVEMENTS	LS			(484)
HIGH EXPANSION FIRE PROTECTION SYSTEM	LS			(850)
COMMUNICATIONS SUPPORT	LS			(50)
SUBTOTAL				8,158
CONTINGENCY (5.0%)				408
TOTAL CONTRACT COST				8,566
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				488
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				326
TOTAL REQUEST				9,381
TOTAL REQUEST (ROUNDED)				9,400)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(150

10. Description of Proposed Construction: Construct a 1-bay fuel cell hangar addition and alter an existing fuel cell hangar utilizing economical design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

Air Conditioning: 60 Tons

11. Requirement: 4670 SM Adequate: 3555 SM Substandard: 0 SM

PROJECT: F-35 ADAL Fuel Cell Hangar (New Mission)

REQUIREMENT: A 1-bay fuel cell hangar addition and alteration of an existing fuel cell hanger is required to support F-35 aircraft that will start delivery to Nellis AFB in FY13. The addition will be to the FY07 Base Realignment and Closure (BRAC) funded Fuel Cell Maintenance Hangar completed in FY09. This facility is required to support the permanent beddown of 12 F-35 Primary Development/Test Aircraft that will start in 2nd Quarter FY13 and 24 Primary Training Aircraft beginning in 1st Quarter FY15 at Nellis AFB. Nellis AFB has been designated as the beddown location for Force Development and Evaluation and the USAF Weapon School for the F-35 Weapon System.

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1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE NELLIS SITE # 1 NEVADA	F-35 FUEL CELL HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27142	211-179	3056/RKMF103009	9,400

CURRENT SITUATION: Nellis AFB does not have adequate fuel cell hangar facilities to support an additional 36 F-35 aircraft for Test and Weapons School and associated maintenance functions. Nellis is one of the most congested airfields in the Air Force from an operational and logistics perspective. Nellis AFB proper has had significant growth since 2000 with the F-22 Test and Weapon School Beddown (12 aircraft), the F-15/F-16 Aggressor Beddown (36 aircraft), and expansion of Flag exercises and other force structure actions. Nellis is projected to have over 180 assigned aircraft when all actions are complete. All flightline facilities have been at capacity for the last 5 to 7 years, and additional requirements have been documented through the BRAC 2005 process and previously-approved new weapon system facility projects. The installation is a critical asset for the capabilities and tactics testing of new weapon systems and the training of Combat Forces. The installation supports very diversified weapons systems ranging from HH-60s, A-10s, F-15s, F-16s, F-22, and now F-35, all of which support operational test and weapon school and flag exercises.

IMPACT IF NOT PROVIDED: Nellis AFB's ability to generate the necessary aircraft sorties to support operational test and weapons school mission requirements will be severely impacted. Without facilities, fuel cell maintenance personnel will be unable to support the maintenance of this new weapon system, impacting fleet health. Additionally, the first beddown locations for new weapon systems of all kinds provide the initial pool of qualified operators and maintainers who will in turn train the next group of personnel for follow on locations. If the Air Force is unable to train adequate numbers of personnel in the early stages the impacts will be felt for follow on locations and may impact/delay initial and/or final operational capability. This project provides critical "real world" training for F-35A maintenance crews, who in future assignments will guide others in learning how to maintain the F-35A.

ADDITIONAL: This project meets applicable 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) indicated there is only one option that will meet operational requirements: constructing a new single bay fuel cell hangar and altering an existing one. Therefore, no economic analysis was needed or performed. 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 the project in accordance with Executive Order 13423, 10 USC 2802(c) and other applicable laws and Executive Orders. Base Civil Engineer: (702) 652-4833. Fuel Cell Hangar Addition: 1,115 SM = 11,997 SF.

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

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE NELLIS SITE # 1 NEVADA	F-35 FUEL CELL HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27142	211-179	3056/RKMF103009	9,400

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Project to be accomplished by design-build procedures

(2) Basis:
(a) Standard or Definitive Design - NO
(b) Where Design Was Most Recently Used -

(3) All Other Design Costs 376

(4) Construction Contract Award 14 FEB

(5) Construction Start 14 MAR

(6) Construction Completion 15 SEP

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNISHINGS AND EQUIPMENT	3400	2015	150

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE NELLIS SITE # 1 NEVADA	F-35 PARTS STORE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27142	442-768	3056/RKMF103006	9,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				5,555
F-35 PARTS STORE	SM	2,322	2,346	(5,447)
SUSTAINABILITY AND ENERGY MEASURES	LS			(108)
SUPPORTING FACILITIES				2,368
UTILITIES	LS			(147)
PAVEMENTS	LS			(240)
SITE IMPROVEMENTS	LS			(240)
COMMUNICATION SUPPORT	LS			(50)
DEMOLITION	SM	3,559	475	(1,691)
SUBTOTAL				7,923
CONTINGENCY (5.0%)				396
TOTAL CONTRACT COST				8,319
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				474
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				317
TOTAL REQUEST				9,110
TOTAL REQUEST (ROUNDED)				9,100)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(100

10. Description of Proposed Construction: Construct a warehouse utilizing economical design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project demolishes one facility for 3,559 SM. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

Air Conditioning: 120 Tons

11. Requirement: 3547 SM Adequate: 1225 SM Substandard: 0 SM

PROJECT: F-35 Parts Store (New Mission)

REQUIREMENT: Additional aircraft parts storage capacity is required to support the permanent beddown of 12 F-35 Primary Development/Test Aircraft that will start in 2nd Quarter FY13 and 24 Primary Training Aircraft beginning 1st Quarter FY15 at Nellis AFB. The Aircraft Parts Store will be the central point to receive, store, issue and ship all 18,000 plus line items of peace operating stock (POS) required to support of the new maintenance requirements of the F-35A aircraft. Nellis AFB has been designated as the beddown location for Force Development and Evaluation and the USAF Weapon School for the F-35 Weapon System.

CURRENT SITUATION: Nellis AFB does not have adequate aircraft parts storage capacity to support the maintenance requirements for an additional 36 F-35 aircraft for Test and Weapons School. Nellis is one of the most congested airfields in the

DD FORM 1391, DEC 99 Previous editions are obsolete. Page No.

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION NELLIS AIR FORCE BASE NELLIS SITE # 1 NEVADA	4. PROJECT TITLE F-35 PARTS STORE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27142	442-768	3056/RKMF103006	9,100

Air Force from an operational and logistics perspective. Nellis AFB proper has had significant growth since 2000 with the F-22 Test and Weapon School Beddown (16 aircraft), the F-15/F-16 Aggressor Beddown (48 aircraft), and expansion of Flag exercises and other force structure actions. Nellis is projected to have over 180 assigned aircraft when all actions are complete. All excess parts storage facilities have been at capacity for the last 5 to 7 years, and additional requirements have been documented through the BRAC 2005 process and previously-approved new weapon system facility projects. The installation is a critical asset for the capabilities and tactics testing of new weapon systems and the training of Combat Forces. The installation supports a very diversified weapons systems ranging from HH-60s, A-10s, F-15s, F-16s, F-22, and now F-35, all of which support operational test and weapon school and flag exercises.

IMPACT IF NOT PROVIDED: Nellis AFB's ability to generate the necessary aircraft sorties to support operational test and weapons school mission requirements will be severely impacted. Without an adequate inventory of F-35 aircraft parts, maintenance personnel will be unable to support the maintenance of this new weapon system, impacting fleet health. Additionally, the first beddown locations for new weapon systems of all kinds provide the initial pool of qualified operators and maintainers who will in turn train the next group of personnel for follow on locations. If the AF is unable to train adequate numbers of personnel in the early stages the impacts will be felt for follow on locations and may impact/delay initial and/or final operational capability. This project supports critical "real world" training for F-35 maintenance crews, who in future assignments will guide others in learning how to maintain the F-35.

ADDITIONAL: This project meets applicable 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) indicated there is only one option that will meet operational requirements: new construction. Therefore, no economic analysis was needed or performed. 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 the project in accordance with Executive Order 13423, 10 USC 2802(c) and other applicable laws and Executive Orders. Base Civil Engineer: (702) 652-4833. F-35 Parts Store: 2322 SM = 24,985 SF.

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

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE NELLIS SITE # 1 NEVADA	F-35 PARKS STORE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27142	442-768	3056/RKMF103006	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	364
(4) Construction Contract Award	14 FEB
(5) Construction Start	14 MAR
(6) Construction Completion	15 SEP
(7) Energy Study/Life-Cycle analysis was/will be performed	YES

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

EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNISHINGS	3400	2015	100

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1. COMPONENT AIR FORCE	**FY 2014 MILITARY CONSTRUCTION PROGRAM**	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST
CANNON AFB,	AIR FORCE SPECIAL	COST INDEX
NEW MEXICO	OPERATIONS COMMAND	1.03

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 Sep 12	233	1500	398	0	0	0	0	0	0	2,131
END FY 2017	549	2561	416	0	0	0	0	0	0	3,526

7. INVENTORY DATA ($000)		
a. Total Acreage:		3,789
b. Inventory Total as of : (30 Sep 12)		1,002,731
c. Authorization Not Yet in Inventory:		68,032
d. Authorization Requested in this Program:	(FY 2014)	34,100
e. Planned in Next Four Year Program:		0
f. Remaining Deficiency:		217,997
g. Grand Total:		1,322,860

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2014)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
722-351	Satellite Dining Facility	975	SM	6,600	Design	Build
740-253	Airman and Famillly Readiness Center	1,115	SM	5,500	Design	Build
721-312	Dormitory	144	RM	22,000	Design	Build
		Total		34,100		

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

None

9b. Real Propery Maintenance Backlog This Installation: ($M)	91

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
CANNON AIR FORCE BASE CANNON AFB SITE # 1 NEW MEXICO	AIRMAN AND FAMILY READINESS CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	740-253	1551/CZQZ013004	5,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				3,384
AIRMAN AND FAMILY READINESS CENTER	SM	1,115	2,975	(3,317)
SUSTAINABILITY AND ENERGY MEASURES	LS			(67)
SUPPORTING FACILITIES				1,379
UTILITIES	LS			(248)
SITE IMPROVEMENTS	LS			(264)
PAVEMENTS	LS			(325)
COMMUNICATIONS	LS			(225)
PASSIVE FORCE PROTECTION MEASURES	LS			(25)
GROSS RECIPT TAX (6.1%)	LS			(292)
SUBTOTAL				4,763
CONTINGENCY (5.0%)				238
TOTAL CONTRACT COST				5,001
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				285
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				191
TOTAL REQUEST				5,477
TOTAL REQUEST (ROUNDED)				5,500)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(270

10. Description of Proposed Construction: Construct a facility utilizing economical design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. The project includes all utilities, pavements, site improvements, landscaping and all required facility support. This project will comply with DoD Antiterrorism/Force Protection requirements per the Unified Facility Criteria and UFC 4-730-01, Family Service Center.

Air Conditioning: 25 Tons

11. Requirement: 1115 SM Adequate: 0 SM Substandard: 688 SM

PROJECT: Construct Airman and Family Readiness Center. (Current Mission)

REQUIREMENT: Provide an adequately sized airmen and family readiness center to support the various functions of the Readiness Center. This center provides essential individual and family counseling/education for mobilization/deployment readiness, personal and family life education and advocacy, employment/career/ volunteer support and transition assistance, economic readiness and support, disaster response and crisis intervention, and the Wounded Warrior programs. This ensures airmen and their families are supported when entering the service, when relocating to and from installations, pre- and post-deployment support and assuring a smooth transition into civilian life when separating or retiring from the

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
CANNON AIR FORCE BASE CANNON AFB SITE # 1 NEW MEXICO	AIRMAN AND FAMILY READINESS CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	740-253	1551/CZQZ013004	5,500

service.

CURRENT SITUATION: The existing facility is undersized because it is co-located with several other base functions such as the education center, military personnel and civilian personnel. In addition, existing facility has no dedicated kitchen, classroom or storage space and only four offices for ten personnel. The conference room does not accommodate larger class sizes of 50 personnel currently required for various classes or briefings. The facility does not have a discovery center - a large resource area for customers to check out materials on a wide range of topics covered by the Readiness center. New manpower requirements include 16 staff and a requirement for the Key Spouse program for a total of 17 offices. Additionally, the Casualty Officer requires private seating area for grieving families. Because this is a "remote" location with the closest major city over 100 miles away, there is reduced access to off-base counseling and education resources.

IMPACT IF NOT PROVIDED: Without an adequately sized facility, existing and new programs will lack space for storage, secure areas for sensitive materials, electronic and traditional classrooms, kitchen, and private office spaces for counselors and other staff conducting private consultations, reducing effective outreach to the military community at this remote location. These inadequacies limit the ability of the professional staff to provide unique, direct programs and services to meet the needs of service members and their families. These limitations jeopardize the success of the new and existing programs, weakening the military community's ability to aid and assist each other, further reducing self-sufficiency and adaptation to the Air Force way of life in support of mission readiness and retention.

ADDITIONAL: This project meets the criteria/scope in the AF Handbook 32-1084, Facility Requirements and the Cannon AFB General Plan. An economic analysis was 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, 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. Base Civil Engineer phone: (commercial) (575) 784-2008. Family Support Center: 1,115 SM = 12,000 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 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CANNON AIR FORCE BASE CANNON AFB SITE # 1 NEW MEXICO	AIRMAN AND FAMILY READINESS CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	740-253	1551/CZQZ013004	5,500

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 220

(4) Construction Contract Award 14 FEB

(5) Construction Start 14 APR

(6) Construction Completion 15 OCT

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNITURE AND OTHER EQUIPMENT	3400	2015	200
COMMUNICATIONS EQUIPMENT	3400	2015	70

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
CANNON AIR FORCE BASE CANNON AFB SITE # 1 NEW MEXICO	DORMITORY (144 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	721-312	1551/CZQZ073050	22,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				16,017
DORMITORY (144 RM)	SM	4,752	3,300	(15,682)
SUSTAINABILITY AND ENERGY MEASURES	LS			(335)
SUPPORTING FACILITIES				3,092
UTILITIES	LS			(850)
SITE IMPROVEMENTS	LS			(560)
PAVEMENTS	LS			(650)
COMMUNICATIONS	LS			(250)
DEMOLITION	SM	2,431	260	(632)
PASSIVE FORCE PROTECTION MEASURES	LS			(150)
SUBTOTAL				19,109
CONTINGENCY (5.0%)				955
TOTAL CONTRACT COST				20,064
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,144
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				764
TOTAL REQUEST				21,972
TOTAL REQUEST (ROUNDED)				22,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(889

10. Description of Proposed Construction: Construct a 144 room dormitory utilizing economical design and construction methods as feasible to accommodate the mission of the facility. The facility should be compatible with the applicable DoD, Air Force, and the base design standards. In addition, local materials and construction techniques shall be used where cost effective. The project includes all utilities, pavements, site improvements, landscaping, fire protection and all required facility support. Demolish one existing facility totaling 2,431 SM. This project will comply with DoD antiterrorism/force protection requirements per Unified Facilities Criteria.

Air Conditioning: 220 Tons Grade Mix: E1-E4 144

11. Requirement: 713 RM Adequate: 479 RM Substandard: 77 RM

PROJECT: Construct a 144 room dormitory. (Current Mission)

REQUIREMENT: This quality-of-life project will provide critically needed housing for unaccompanied enlisted personnel (UEP) assigned to Cannon AFB and dormitories that meet the new AF 'Dorms-4-Airmen' Design Standard, the AF Dorm Master Plan (DMP) and the Cannon AFB General Plan. This project will help alleviate the shortage of adequate single-Airmen living quarters. Properly designed and furnished quarters providing individual privacy is conducive to proper rest, relaxation and personal well-being of Airmen and is essential to the successful accomplishment of the Special Operations mission.

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1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
CANNON AIR FORCE BASE CANNON AFB SITE # 1 NEW MEXICO	DORMITORY (144 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	721-312	1551/CZQZ073050	22,000

CURRENT SITUATION: All existing dorms are in need of renovation and infrastructure upgrades or replacement. Cannon's existing seven dormitories do not meet the "Dorm-4-Airmen" four-plex configuration standard and the Dorm Master Plan recommends a final disposition of all dorms at Cannon as "Demolition-Replace." Of greatest concern are the two oldest inadequate but habitable dorms which are 42 and 50 years old and these facilities are approaching the "uninhabitable" rating of Q3/Q4. These dormitories need to be replaced immediately. This project replaces the 42 year old dormitory. The 50 year old dormitory was just renovated to prolong it's useful life until other housing projects can be completed. Additionally, the special operations missions currently bedding down create an overall deficit of dormitory rooms. Due to limited capacity, double occupancy is required in two dorms and 100+ personnel eligible to live in the dorms are currently living off base. A shortage of 157 dormitory rooms is forecasted through FY15 based on projected manning levels (anticipated mission growth versus currently programmed manning). As a result, the end state requirement will be 713 rooms, a 42-person increase from the programmed 671 capacity.

IMPACT IF NOT PROVIDED: Adequate living quarters, meeting current Air Force living standards, which provide a level of privacy required for today's airmen will not be available, resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Highly trained and competent Airmen are essential to the Special Operations readiness posture and continuing world-wide presence. Highly technical demanding jobs, coupled with the high-ops tempo of the unique AF Special Operations mission, carries increased stress for young single Airmen and inadequacies in dwellings will have the potential to negatively impact retention.

ADDITIONAL: This project meets the criteria/scope in the AF Handbook 32-1084, Facility Requirements, the Dorm-4-Airmen Design Guide, the AF Dorm Master Plan and the Cannon AFB General Plan. The requirements for this dorm is based on the AF,"FY2012-2016 Dorm Master Plan". 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. Base Civil Engineer: Phone: (575) 784-2008. Dormitory (144 RM); 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	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CANNON AIR FORCE BASE CANNON AFB SITE # 1 NEW MEXICO	DORMITORY (144 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	721-312	1551/CZQZ073050	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	880
(4) Construction Contract Award	13 DEC
(5) Construction Start	14 MAR
(6) Construction Completion	16 MAR
(7) Energy Study/Life-Cycle analysis was/will be performed	YES

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

EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNITURE AND OTHER EQUIPMENT	3400	2015	864
COMMUNICATIONS EQUIPMENT	3400	2015	25

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
CANNON AIR FORCE BASE CANNON AFB SITE # 1 NEW MEXICO	SATELLITE DINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	722-351	1551/CZQZ073023A	6,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				3,623
SATELLITE DINING FACILITY	SM	975	3,643	(3,552)
SUSTAINABILITY AND ENERGY MEASURES	LS			(71)
SUPPORTING FACILITIES				2,107
UTILITIES	LS			(976)
PAVEMENTS	LS			(336)
SITE IMPROVEMENTS	LS			(212)
PASSIVE FORCE PROTECTION MEASURES	LS			(16)
COMMUNICATIONS	LS			(200)
GROSS RECIPT TAX (6.1%)	LS			(217)
ACCESS ROAD WITH UTILITIES	LS			(150)
SUBTOTAL				5,730
CONTINGENCY (5.0%)				286
TOTAL CONTRACT COST				6,016
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				343
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				229
TOTAL REQUEST				6,589
TOTAL REQUEST (ROUNDED)				6,600)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,100

10. Description of Proposed Construction: Construct a dining facility utilizing economical design and construction methods as feasible to accommodate the mission of the facility. The facility should be compatible with the applicable DoD, Air Force, and the base design standards. In addition, local materials and construction techniques shall be used where cost effective. Dining facility areas include receipt and issue (refrigeration, dry storage, receiving platform, etc.), kitchen (food preparation and support space including the kitchen proper, dedicated flight kitchen area, a dishwashing room, utensil wash, a refrigerated holding area for perishable food during processing, staff toilets and locker area, office, training room, storage room for expendables and a janitor's closet), serving, dining room (patron seating, aisles, patron restrooms, a protected entrance way, office and a storage room) and mechanical room. Project also includes all utilities, parking, communication systems and all other necessary support. Project will comply with DoD antiterrorism/force protection requirements per Unified Facilities Criteria and UFC 4-722-01, Dining Facilities.

Air Conditioning: 55 Tons

11. Requirement: 3199 SM Adequate: 2224 SM Substandard: 0 SM

PROJECT: Satellite dining facility. (New Mission)

REQUIREMENT: Construct a new satellite dining facility on the southeast side of

DD FORM 1391, DEC 99 Previous editions are obsolete. Page No.

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
CANNON AIR FORCE BASE CANNON AFB SITE # 1 NEW MEXICO	SATELLITE DINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	722-351	1551/CZQZ073023A	6,600

Cannon AFB in support of the new mission beddown to serve 900 meals per serving time in support of 1500+ operation and maintenance personnel associated with the C-130 flying mission.

CURRENT SITUATION: The requirement is driven by a large influx of new personnel operating within the C-130 beddown area on the southeast side of the base. The southeast side has no food vendors and no fitness facilities; with the most urgent requirement being the need for a dining facility. Since Cannon is a remote location, 90% of personnel are authorized to be served during the meal period. The current dining facility that supports these additional personnel is located over four miles driving distance from the work areas. This route requires traffic to pass through the munitions storage area and fuels storage area, which slows traffic to 20 miles per hour at two locations. The alternative route is over six miles and passes through the airfield clear zone of the secondary runway. This route may require traffic to stop when aircraft are taking off or landing.

IMPACT IF NOT PROVIDED: Personnel will have to commute eight miles roundtrip for one meal in order to utilize the existing dining facility. The average round trip commute time for one meal will be 30 minutes. Transport by bus of personnel will add time to the commute pushing it to one hour. This adds stress to Airmen already limited by daily flying and maintenance schedules, and increases the risk of Airmen skipping nutritional meals because of these additional time constraints. The personnel who will be commuting to the existing dining facility will also contribute to more traffic congestion through the munitions storage area, fuels storage area and at the main gate intersection; this will interfere with incoming and outgoing traffic to the base at meal times. All of these factors will contribute to increased stress and lower morale of Airmen already working under high-pressure conditions.

ADDITIONAL: This project meets the criteria/scope in Air Force Handbook 32-1084, "Facility Requirements". All known alternative options were considered during the development of this project based on a preliminary economic analysis; no other option could meet the mission requirement. 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 13423, 10 USC 2802 (c), and other applicable laws and Executive orders. Base Civil Engineer: 575-784-2008. Satellite Dining Facility: 975 SM = 10,500 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 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CANNON AIR FORCE BASE CANNON AFB SITE # 1 NEW MEXICO	SATELLITE DINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	722-351	1551/CZQZ073023A	6,600

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Project to be accomplished by design-build procedures

(2) Basis:
(a) Standard or Definitive Design - NO
(b) Where Design Was Most Recently Used -

(3) All Other Design Costs 264

(4) Construction Contract Award 14 FEB

(5) Construction Start 14 MAR

(6) Construction Completion 15 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 APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
KITCHEN EQUIPMENT	3400	2015	950
DINING/OFFICE FURNISHINGS	3400	2015	150

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1. COMPONENT AIR FORCE	**FY 2014 MILITARY CONSTRUCTION PROGRAM**	2. DATE

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

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 12	437	3554	1925	8	4	0	1	10	86	6,025
END FY 2017	455	3615	1950	8	4	0	1	10	86	6,129

7. INVENTORY DATA ($000)

a. Total Acreage:	57,837	
b. Inventory Total as of : (30 Sep 12)		2,524,621
c. Authorization Not Yet in Inventory:		143,995
d. Authorization Requested in this Program:	(FY 2014)	2,250
e. Planned in Next Four Years Program:		0
f. Remaining Deficiency:		44,600
g. Grand Total:		2,715,466

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2014)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
211-159	F-16 Aircraft Covered Washrack and Pad	501	SM	2,250	Design	Build
		Total		2,250		

9a. Future Projects: Typical Planned Next Four Years:
None

9b. Real Property Maintenance Backlog This Installation: ($M) 201

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 bare base support group.

11. Outstanding Pollution and Safety (OSHA Deficiencies):

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
HOLLOMAN AIR FORCE BASE HOLLOMAN SITE # 1 NEW MEXICO	F-16 AIRCRAFT COVERED WASHRACK AND PAD

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27597	211-159	2352/KWRD113008	2,250

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				1,324
WASHRACK PAD	SM	2,206	242	(534)
WASHRACK COVERED SPACE	SM	501	1,468	(735)
WASHRACK STORAGE	SM	22	1,315	(29)
SUSTAINABILTY AND ENERGY MEASURES	LS			(26)
SUPPORTING FACILITIES				635
UTILITIES	LS			(58)
SITE IMPROVEMENTS	LS			(35)
PAVEMENTS	LS			(139)
COMMUNICATIONS	LS			(40)
OIL/WATER SEPARATOR & DEMOLITION	LS			(364)
SUBTOTAL				1,960
CONTINGENCY (5.0%)				98
TOTAL CONTRACT COST				2,058
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				117
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				78
TOTAL REQUEST				2,254
TOTAL REQUEST (ROUNDED)				2,250)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(40

10. Description of Proposed Construction: Construct a concrete pad and washrack shelter with adjacent facility for cleaning equipment and supplies using economical design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost cover effective. This project will comply with DoD antiterrorism/force protection requirements per the unified facility criteria.

Air Conditioning: 0 Tons

11. Requirement: 1002 SM Adequate: 501 SM Substandard: 0 SM

PROJECT: Construct new F-16 Aircraft Covered Washrack and Pad. (New Mission)

REQUIREMENT: A covered washrack facility is required for an efficient corrosion control program and to protect people from excessive exposure to extreme temperatures during summer months. The increased operations from the beddown of the F-16 training mission requires another covered washrack to meet required wash cycles of the aircraft. The first squadron of F-16 aircraft is scheduled to begin arriving in 3rd Quarter FY14 and the second squadron in 3rd Quarter FY15. Aircraft cleaning is the first step in preventing aircraft corrosion by removing corrosive contaminants and fluids. Aircraft and related equipment must be cleaned regularly to prevent corrosion by removing salt deposits, other corrosive soils, and

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
HOLLOMAN AIR FORCE BASE HOLLOMAN SITE # 1 NEW MEXICO	F-16 AIRCRAFT COVERED WASHRACK AND PAD

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27597	211-159	2352/KWRD113008	2,250

electrolytes; maintain visibility through canopies and windows; allow a thorough inspection for corrosion damage (aircraft washing before Isochronal (ISO)/ Phase inspections is strongly recommended to facilitate corrosion inspections); maintain turbine engine efficiency; and reduce fire hazards by the removal of accumulations of leaking fluids. In addition to the above requirements and in accordance with Air Force Occupational and IAW Air Force Occupational Safety and Health (AFOSH) Standard 91-100 this project will require personnel fall protection restraint capability.

CURRENT SITUATION: There is an existing indoor washrack that currently washes the F-22 aircraft. All parking on this portion of the ramp (the West Ramp at Holloman) is covered parking with the hangarettes; therefore, no other area can be used for aircraft washing. With the increased operations from the beddown of the F-16 training mission, a single bay washrack will not be enough to handle the increased sortie and wash cycles.

IMPACT IF NOT PROVIDED: Holloman will lack the proper sized and configured space for washing aircraft. Additionally, water evaporates quickly leaving residue which detracts from corrosion control efforts. The existing Washrack facility will not be able to handle the increased flying training operations with the beddown of the F-16 training mission. This will degrade training capabilities, which will hamper mission capable rates, sorties, and the training mission.

ADDITIONAL: Facility is based on AFH 32-1084, "Facility Requirements" for an Aircraft Corrosion Control Facility. The specific requirements are for the size of the largest aircraft to be washed. A preliminary analysis of alternatives indicates that construction of the Washrack pad and cover is the only feasible option. A Certificate of Exception for Economic Analysis has been completed. Sustainable principles, to include life cycle cost-effective practices, will be integrated into the design, development, and construction of the project in IAW Executive Order 13423, 10 U.S.C 2802 (c), and other applicable laws and executive order. Base Civil Engineer: Comm (575) 572-3071. Washrack Pad: 2,206 SM = 23,736 SF; Washrack Covered Space: 501 SM = 5319 SF; Washrack Storage: 22 SM = 234 SF.

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

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HOLLOMAN AIR FORCE BASE HOLLOMAN SITE # 1 NEW MEXICO	F-16 AIRCRAFT COVERED WASHRACK AND PAD

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27597	211-159	2352/KWRD113008	2,250

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 90

(4) Construction Contract Award 14 FEB

(5) Construction Start 14 MAR

(6) Construction Completion 15 MAR

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
WASHRACK EQUIP	3080	2014	40

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1. COMPONENT AIR FORCE	**FY 2014 MILITARY CONSTRUCTION PROGRAM**	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
KIRTLAND AFB NEW MEXICO	AIR FORCE MATERIAL COMMAND	0.94

6. PERSONNEL	PERMANENT			STUDENTS			SUPPORTED			
STRENGTH	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 12	419	1171	1812				705	2073	515	6,695
END FY 2017	415	1170	1767				674	2079	679	6,784

7. INVENTORY DATA ($000)

a. Total Acreage:		52,678
b. Inventory total as of : (30 Sep 12)		2,960,559
c. Authorization Not Yet in Inventory:		49,353
d. Authorization Requested in this Program ($000):	(FY 2014)	30,500
e. Planned in Next Four Years Program:		7,300
f. Remaining Deficiency:		266,000
g. Grand Total:		3,313,712

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2014)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
610-281	AFNWC Sustainment Center, Ph 2	6,928	SM	30,500	Design Build	
		Total		30,500		

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

171-212	HH-60M RECAP Simulator Facility			7,300		
		Total		7,300		

UFC 4-022-01, Entry Control Facilities 360.0

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
KIRTLAND AIR FORCE BASE KIRTLAND SITE # 1 NEW MEXICO	NUCLEAR SYSTEMS WING & SUSTAINMENT CENTER PH 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
72976	610-281	2445/MHMV103105B	30,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				20,348
NUCLEAR SYSTEMS WING & SUSTAINMENT CENTER	SM	6,928	2,875	(19,918)
SUSTAINABILITY AND ENERGY MEASURES	LS			(430)
SUPPORTING FACILITIES				6,197
UTILITIES	LS			(618)
PAVEMENTS	LS			(1,034)
SITE IMPROVEMENTS	LS			(1,347)
EMERGENCY GENERATOR	LS			(585)
UNINTERRUPTIBLE POWER SUPPLY (UPS)	LS			(967)
GROSS RECIPT TAX (6.1%)	LS			(1,086)
COMMUNICATION	LS			(560)
SUBTOTAL				26,545
CONTINGENCY (5.0%)				1,327
TOTAL CONTRACT COST				27,872
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,589
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				1,062
TOTAL REQUEST				30,523
TOTAL REQUEST (ROUNDED)				30,500)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(8,100

10. Description of Proposed Construction: Construct a facility utilizing conventional design and construction methods to accommodate the administrative requirements. The facility should becompatible with applicable DoD, AF, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. Include electrical, mechanical, plumbing, HVAC, fire protection systems, two elevators, 500 kw emergency generator and 250 kw uninterruptible power supply with separate electrical distribution systems. Include all utility & communications infrastructure to the building and extensive secure communications systems and spaces within the building. Includes site improvements, landscaping, and parking for 200 spaces. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

Air Conditioning: 100 Tons

11. Requirement: 17175 SM Adequate: 10247 SM Substandard: 9000 SM

PROJECT: Nuclear Systems Wing & Sustainment Center Phase 2. (Current Mission)

REQUIREMENT: An adequate, highly flexible, 6,928 SM facility is required to support the 498th Nuclear System Wings (498th NSW) FY14 manpower end-strength of 350 personnel. When complete, this project will allow for the total consolidation of Headquarters Air Force Nuclear Weapons Center (HQ AFNWC) and the 498th Nuclear

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
KIRTLAND AIR FORCE BASE KIRTLAND SITE # 1 NEW MEXICO	NUCLEAR SYSTEMS WING & SUSTAINMENT CENTER PH 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
72976	610-281	2445/MHMV103105B	30,500

Systems Wing (498 NSW) personnel into one location for increased efficiency, effective/timely communication, and optimum coordination. The 498th NSW is responsible for sustainment, modernization, and acquisition support of nuclear weapon system programs. It is the focal point for nuclear and cruise missile program advocacy and management, logistics support, and engineering assessments and analyses. As such, the 498th NSW requires secure facilities and systems to effectively and efficiently handle classified and/or very sensitive material.

CURRENT SITUATION: Currently, the 200+ personnel supporting the 498 NSW are operating from five geographically separated locations that are scattered across the base. 498 NSW personnel are co-located with unaffiliated organizations, occupying whatever space is available throughout the various facilities. The 498 NSW has maximized the limited facility options available at Kirtland; in FY14 the 498 NSW functions at Kirtland AFB will have realized significant mission growth which will drive a staff end-strength increase to approximately 350 personnel. The mission growth includes increased logistics functions and the stand up of three program offices (Weapon Storage and Security Systems, B61 and W78 Life Extension Programs). Support for these critical nuclear stewardship responsibilities requires adequate secure compartmented information facilities (SCIF), secure information technology systems, secure communications devices and their supporting infrastructure to effectively generate, process, discuss and store large volumes of classified and/or very sensitive materials. Temporary facility options cannot satisfy the stringent security requirements without enormous expense. Due to the space deficit that exists at Kirtland, the manpower end-strength required to execute the responsibilities will exceed the capacity of available space on base. As a result, the lack of adequate alternatives will preclude the Wing from reaching final manning requirements of 350 personnel.

IMPACT IF NOT PROVIDED: The deficiencies noted in the 2003 RAND report & the 2005 AFAA Sustainment of Nuclear Assets will not be fully corrected without this project. These findings concluded that the AF did not properly sustain nuclear weapon & support assets. The mission of the 498th NSW specifically targets this nuclear sustainment deficiency. Without this project, the 498th NSW cannot perform its mission, therefore preserving a fragmented AF nuclear sustainment program. 498th NSW organizations will continue to operate in deficient facilities scattered throughout the base without the high security environment & specialized facilities the nuclear mission requires. Geographically separated nuclear sustainment teams will continue to operate inefficiently, thus increasing the expenditure of resources--requiring additional materiel support and equipment costs to compensate for the lack of a consolidated facility. Decreased communication, collaboration, and synergy from non-adjacencies will result in significant productivity loss. Productivity loss hinders the 498th NSW to plan, participate in, and execute critical life extension programs for two nuclear weapon systems instrumental to the Nation's deterrent posture. The inability to collocate separated nuclear service logistics agency functions and their classified data negatively impacts efforts to manage nuclear stockpile life cycle sustainment efforts and readiness. These effects were documented in the FY09 Nuclear Surety Inspection, where deficient

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
KIRTLAND AIR FORCE BASE KIRTLAND SITE # 1 NEW MEXICO	NUCLEAR SYSTEMS WING & SUSTAINMENT CENTER PH 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
72976	610-281	2445/MHMV103105B	30,500

communication negatively impacted AFNWC's ability to provide crucial technical and logistical expertise to preserve the reliability of the Nation's strategic stockpile. Most importantly, the space deficiency on Kirtland and inadequate commercial space off-base due to documented AT/FP deficiencies continues to preclude the 498th NSW from reaching its mandated end-strength by FY14--the manning required to achieve the mission assigned.

ADDITIONAL: This project meets applicable criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." This is phase 2 of a two phased project (phase 1 is MHMV093108 AFNWC Sustainment Center is in the FY12 program). All known alternative options were considered during development of this project. No other option could meet mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been approved. Sustainable principles shall be integrated into the design, development, and construction of this project in accordance with Executive Order 13423, 10 USC 2802(2) and other applicable laws and Executive Orders. Base Civil Engineer: (505) 846-7911. Nuclear Systems Wing & Sustainment Center, phase 2: 6,928 SM = 74,530 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 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
KIRTLAND AIR FORCE BASE KIRTLAND SITE # 1 NEW MEXICO	NUCLEAR SYSTEMS WING & SUSTAINMENT CENTER PH 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72976	610-281	2445/MHMV103105B	30,500

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	1,220
(4) Construction Contract Award	14 FEB
(5) Construction Start	14 MAR
(6) Construction Completion	16 MAR
(7) Energy Study/Life-Cycle analysis was/will be performed	YES

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

EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNITURE AND EQUIPMENT	3400	2015	4,500
COMMUNICATIONS EQUIPMENT	3080	2015	3,600

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1. COMPONENT AIR FORCE	**FY 2014 MILITARY CONSTRUCTION PROGRAM**	2. DATE
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA	4. COMMAND: AIR FORCE GLOBAL STRIKE COMMAND	5. AREA CONST COST INDEX 1.16

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 12	608	4332	960	0	0	0	0	0	61	5,961
END FY 2017	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 12)		1,685,536
c. Authorization Not Yet in Inventory:		88,751
d. Authorization Requested in this Program:	(FY 2014)	23,830
e. Planned in Next Four Years Program:		0
f. Remaining Deficiency:		85,400
g. Grand Total:		1,883,517

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2014)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
211-154	B-52 ADAL Aircraft Maintenance Unit	6,099	SM	15,530	Jun-12	Sep-13
422-264	B-52 Munitions Storage Igloos	1,536	SM	8,300	Feb-12	Sep-13
		Total		23,830		

9a. Future Projects: Typical Planned Next Four Years:		
	Total	0

9b. Real Property Maintenance Backlog This Installation: ($M)	118

10. Mission or Major Functions: A host bomb wing with B-52H aircraft, and an AF Global Strike Command missile wing with Minuteman III missiles.

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
MINOT AIR FORCE BASE MINOT AFB SITE # 1 NORTH DAKOTA	B-52 ADAL AIRCRAFT MAINTENANCE UNIT (AMU)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
11113	211-154	2837/QJVF092009	15,530

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				11,507
NEW AIRCRAFT MAINTENANCE UNIT	SM	3,902	2,690	(10,496)
ALTER AIRCRAFT MAINTENANCE UNIT	SM	2,197	365	(802)
SUSTAINABILITY AND ENERGY MEASURES	LS			(209)
SUPPORTING FACILITIES				2,484
UTILITIES	LS			(740)
PAVEMENTS	LS			(660)
SITE IMPROVEMENTS	LS			(420)
COMMUNICATION SUPPORT	LS			(55)
RELOCATE MEZZANINE	LS			(48)
DEMO	SM	1,854	303	(561)
SUBTOTAL				13,991
CONTINGENCY (5.0%)				700
TOTAL CONTRACT COST				14,691
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				837
TOTAL REQUEST				15,528
TOTAL REQUEST (ROUNDED)				15,530
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(640.0)

10. Description of Proposed Construction: Construct and Alter aircraft maintenance units (AMU) with site improvements, pavements, communications support, and all other necessary support. and alter an existing AMU facility utilizing economical design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria. Space will be conditioned, with heating and cooling. Four substandard facilities totally 1,854 SM will be demolished.

Air Conditioning: 40 Tons

11. Requirement: 6099 SM Adequate: 0 SM Substandard: 3064 SM

PROJECT: Construct a new and alter an existing B-52 Aircraft Maintenance Unit (AMU). (New Mission)

REQUIREMENT: Aircraft Maintenance Units are required to support the expanded mission and personnel associated with the beddown of the second B-52 squadron at Minot AFB. The facilities provide the necessary flight line maintenance activities; designated training classrooms, administrative space, brief/debrief rooms, computer stations, vehicle de-icing, adequate parking for GOVs, equipment storage, tool kit storage and issue, bench stock, storage for non-powered support

DD FORM 1391, DEC 99 Previous editions are obsolete. Page No.

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
MINOT AIR FORCE BASE MINOT AFB SITE # 1 NORTH DAKOTA	B-52 ADAL AIRCRAFT MAINTENANCE UNIT (AMU)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
11113	211-154	2837/QJVF092009	15,530

equipment, and personnel locker space.

CURRENT SITUATION: Current aircraft maintenance unit support and command sections are housed along the flight line in 7 different geographically separated facilities. This separation creates significant obstacles in the training and supervision of personnel and daily maintenance taskings, and would be exasperated by the addition of personnel and mission support. The existing facilities are limited in space and cannot house the additional personnel assigned to support the second B-52 bomber squadron mission requirements. The current facilities are outdated and do not meet today's mission requirements. The ability of the AMU to support the conventional and nuclear deterrence missions of the 5BW is hampered by the conditions of these facilities.

IMPACT IF NOT PROVIDED: The lack of adequate space to perform required daily maintenance tasks to support the B-52 flying mission will severely hinder mission accomplishment. Training may become compromised leading to a decrease in mission support. If equipment is not stored properly in the harsh weather at this location, it may directly impact aircraft readiness and degrade the critical mission at Minot AFB, ND.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An analysis of reasonable options for accomplishing this project (status quo, renovation, addition and/or new construction) was done. It indicates there is only one option that will meet operational requirements; alteration and 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 13423, 10 USC 2802 (c) and other applicable laws and Executive orders. Civil Engineer: Phone; (701) 723-2434; (Squadron Operations/Aircraft Maintenance Unit:6099 SM = 65,650 SF)

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

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MINOT AIR FORCE BASE MINOT AFB SITE # 1 NORTH DAKOTA	B-52 ADAL AIRCRAFT MAINTENANCE UNIT (AMU)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
11113	211-154	2837/QJVF092009	15,530

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	01-JUN-12
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2013	15%
* (d) Date 35% Designed	01-FEB-13
(e) Date Design Complete	27-SEP-13
(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	932
(b) All Other Design Costs	466
(c) Total	1,398
(d) Contract	1,165
(e) In-house	233
(4) Construction Contract Award	14 FEB
(5) Construction Start	14 MAR
(6) Construction Completion	15 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)
FURNISHINGS	3400	2014	325
COMMUNICATION EQUIPMENT	3400	2014	315

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
MINOT AIR FORCE BASE MINOT AFB SITE # 1 NORTH DAKOTA	B-52 MUNITIONS STORAGE IGLOOS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
11113	422-264	2837/QJVF092013	8,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				5,484
MUNITIONS STORAGE IGLOOS (4 EA)	SM	1,536	3,500	(5,376)
SUSTAINABILITY AND ENERGY MEASURES	LS			(108)
SUPPORTING FACILITIES				2,018
UTILITIES	LS			(560)
PAVEMENTS	LS			(931)
SITE IMPROVEMENTS	LS			(527)
COMMUNICATIONS	LS			(0)
SUBTOTAL				7,502
CONTINGENCY (5.0%)				375
TOTAL CONTRACT COST				7,877
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				449
TOTAL REQUEST				8,326
TOTAL REQUEST (ROUNDED)				8,300
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(20.0)

10. Description of Proposed Construction: Four munitions storage igloos constructed with reinforced concrete footings and floor slab, reinforced concrete walls and roof, earth overburden, concrete retaining walls, blast resistant doors, utilities, site improvements, concrete aprons, concrete access lanes, and all other necessary support. This project will comply with antiterrorism/force protection requirements identified in DoD Unified Facilities Criteria.

Air Conditioning: 0 Tons

11. Requirement: 2517 SM Adequate: 981 SM Substandard: 0 SM

PROJECT: Construct Four Munitions Storage Igloos. (New Mission)

REQUIREMENT: The beddown of an additional B-52 squadron at Minot AFB will result in an increase of weaponry. Munitions storage igloos are required to safely house explosives and protect personnel and facilities from a mass detonation. Igloos are typically reinforced concrete with earth cover.

CURRENT SITUATION: Current weapons storage igloos are at maximum storage capacity. The installation does not have enough Net Explosive Weight (NEW) storage capability to accept the wing's yearly allocation of munitions. The stand-up of a second bomb squadron has increased the weapons allocations associated with the wing. Therefore, there is a need for additional munitions storage and handling facilities.

IMPACT IF NOT PROVIDED: Current weapon storage capacity is inadequate and the situation will be exasperated by the addition of a second bomb squadron at Minot AFB. The wing will be unable to meet weapon storage requirements and be incapable of fully supporting the B-52 mission.

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
MINOT AIR FORCE BASE MINOT AFB SITE # 1 NORTH DAKOTA	B-52 MUNITIONS STORAGE IGLOOS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
11113	422-264	2837/QJVF092013	8,300

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, 10 USC 2802 (c) and other applicable laws and Executive orders. Civil Engineer: (701) 723-2434; (Igloos: 1,536 SM = 16,533 SF).

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MINOT AIR FORCE BASE MINOT AFB SITE # 1 NORTH DAKOTA	B-52 MUNITIONS STORAGE IGLOOS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
11113	422-264	2837/QJVF092013	8,300

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	08-FEB-12
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2013	15%
* (d) Date 35% Designed	01-FEB-13
(e) Date Design Complete	30-SEP-13
(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	14 FEB
(5) Construction Start	14 MAR
(6) Construction Completion	15 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)
COMM	3400	2014	20

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1. COMPONENT AIR FORCE	**FY 2014 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST
TINKER AIR FORCE BASE	AIR FORCE MATERIEL	COST INDEX
OKLAHOMA	COMMAND:	0.93

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 Sep 12	313	848	12,387				1049	4876	1,010	
END FY 2017	313	869	12,127				1026	4194	1068	

7. INVENTORY DATA ($000)

Total Acreage:		5479
Inventory Total as of : 30 Sep 12		4,455,515,618
Authorization Not Yet in Inventory:		30,292
Authorization Requested in this Program:	(FY2014)	8,600
Planned in Next Four Years Program:		36,300
Remaining Deficiency:		120,500,000
Grand Total:		4,576,090,810

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2014)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
911-146	KC-46A Land Acquisition	64	HA	8,600	Design Build	
		Total		8,600		

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

851-147	KC-46A Site Work		27,000
149-962	Construct Air Traffic Control Tower		9,300
		Total	36,300

9c. Restoration and Modernization (R&M) Unfunded Requirement ($M)	386.0

10. Mission or Major Functions: Tinker AFB is Headquarters for the Air Force Sustainment Center, the Oklahoma City Air Logistics Complex, the 72nd Air Base Wing, 552nd Air Control Wing (AWACS), 507th Air Refueling Wing, the 38th Cyberspace Engineering Group and the Navy TACAMO headquarters.

11. Outstanding pollution and Safety (OSHA) Deficiencies:

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
TINKER AIR FORCE BASE TINKER AFB SITE # 1 OKLAHOMA	KC46A LAND ACQUISITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41221	911-146	3342/WWYK143004A	8,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				6,744
LAND PURCHASE	HA	64	105,375	(6,744)
SUPPORTING FACILITIES				1,220
SECURITY FENCE	LS			(350)
PERIMETER ROAD	LS			(750)
SITE WORK	LS			(120)
SUBTOTAL				7,964
CONTINGENCY (2.0%)				159
TOTAL CONTRACT COST				8,123
SUPERVISION, INSPECTION AND OVERHEAD (2.0%)				162
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				319
TOTAL REQUEST				8,604
TOTAL REQUEST (ROUNDED)				8,600

10. Description of Proposed Construction: Purchase a 64 hectare land parcel adjacent to the southern boundary of Tinker AFB and adjacent to the northern boundary of the Tinker Aerospace Complex leased property. Erect chain-link perimeter fence to new property line. Construct asphalt perimeter road, clear site and remove existing trees, and shrubs as necessary.

11. Requirement: 5097 HA Adequate: 5033 HA Substandard: 0 HA

PROJECT: KC46A Land Acquisition, 64 hectares. (NEW MISSION)

REQUIREMENT: Tinker AFB currently supports depot maintenance for multiple USAF aircraft. In keeping with this mission, the base will host the depot maintenance for the new KC-46A aircraft. The depot maintenance complex is required to provide a reliable and responsive source for repair and maintenance for this first line weapons systems. This project supports the phased depot maintenance of the new KC-46A Mission.

CURRENT SITUATION: There is insufficient space on Tinker AFB to construct the depot maintenance docks to support the new KC-46A aircraft programmed depot maintenance. The new regulations governing standoff distance for new buildings and to meet Anti-Terrorism/Force Protection (AT/FP) have severely hampered the possibilities for development, forcing the requirement for additional land.

IMPACT IF NOT PROVIDED: Failure to construct this project would critically impact the Air Force's ability to quickly, safely, and efficiently repair and maintain this new weapons system. Phased depot maintenance is critical to the KC-46A mission.

HISTORY OF BASE BOUNDARY: The main portion of Tinker AFB is located within the incorporated city limits of Oklahoma City, Oklahoma. Centered ten miles southeast of downtown, Tinker AFB is bordered to the north by Interstate 40 and 29th Street,

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
TINKER AIR FORCE BASE TINKER AFB SITE # 1 OKLAHOMA	KC46A LAND ACQUISITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41221	911-146	3342/WWYK143004A	8,600

to the east by Douglas Boulevard, to the south along 74th Street, and to the west by Sooner Road. In March 1941, President Roosevelt signed the appropriations bill including acquisition of 1,440 acres for the new Midwest Air Depot. From 1941 through 1954 an additional 1,282 acres were acquired. On August 11, 1955, the Oklahoma City Chamber of Commerce donated 638 acres of land adjacent to the west of Tinker. Incorporated areas immediately surrounding the Base include Midwest City to the north and Del City to the northwest. 1958 saw acquisition of 103 acres to support beddown of a large communication unit called the Oklahoma Ground Electronics Engineering and Installation Region, now known as the 38th Cyberspace Engineering Group. In 1968, 78 acres was purchased to accommodate construction of 100 units of family housing. In 1992 two parcels totaling 23 acres were purchased to construct new Logistical Systems Operations Center (LSOC) and a Consolidated Fuel system facility.. In 1993 an additional 5 acres adjacent to the LSOC on the northeast corner of the base was added to support construction of a new Child Development Center (CDC). In 1996 two parcels totaling 50 acres, south of the base and adjacent to the Navy area, was acquired to allow construction of a new Hazardous Waste Conforming Storage Facility (CSF) and Aircraft Battle Damage Repair (ABDR) area. Lastly, in 2008, the Tinker Aerospace Complex (former General Motors Assembly Plant), consisting of 12 buildings, nearly 4 million square feet of facilities, 407 acres of land, nearly 330,000 square yards of pavements and miles of utility lines was leased from Oklahoma County for a period of 50 years for nominal lease consideration ($1 per year).

LONG TERM REAL ESTATE: This land purchase of 64 Hectares is required for the construction of the Maintenance Docks necessary for the support of the KC-46A Depot Maintenance Program. Base Civil Engineer: Commercial (405) 734- 345. Land Acquisition: 64 hectare = 158 acre.

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

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TINKER AIR FORCE BASE TINKER AFB SITE # 1 OKLAHOMA	KC46A LAND ACQUISITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41221	911-146	3342/WWYK143004A	8,600

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 344

(4) Construction Contract Award 14 FEB

(5) Construction Start 14 MAR

(6) Construction Completion 15 AUG

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

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

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1. COMPONENT AIR FORCE	**FY 2014 MILITARY CONSTRUCTION PROGRAM**	2. DATE
3. INSTALLATION AND LOCATION FORT BLISS, TEXAS	4. COMMAND: AIR COMBAT COMMAND	5. AREA CONST COST INDEX 0.96

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 12	7	118	0	0	0	0	0	0	0	125
END FY 2017	7	118	0	0	0	0	0	0	0	125

7. INVENTORY DATA ($000)	
a. Total Acreage:	
b. Inventory Total as of : (30 Sep 12)	
c. Authorization Not Yet in Inventory:	0
d. Authorization Requested in this Program:	3,350
e. Planned in Next Four Years Program:	7,600
f. Remaining Deficiency:	
g. Grand Total:	10,950

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2014)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
116-992	F-16 BAK 12/14 Aircraft Arresting Sys	3,157	SM	3,350	May-12	Sep-13
		Total		3,350		

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

141-753	Air Support Operations Center	7,600
		7,600

9b. Real Property Maintenance Backlog This Installation: ($M)	25

10. Mission or Major Functions: Fort Bliss is the home of the Air Defense Artillery Center of Excellence and is responsible for air defense artillery training of U.S. soldiers and various allied nation soldiers. It is also the home of seven Forces Command warfighting units - the 32d Army Air and Missile Defense Command, 11th Air Defense Artillery Brigade, 31st Air Defense Artillery Brigade, the 108th Air Defense Artillery Brigade, 35th Air Defense Artillery Brigade, the 204th MI Battalion, and the 978th Military Police Company.

11. Outstanding Pollution and Safety (OSHA Deficiencies):

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
FT BLISS TEXAS	F-16 BAK 12/14 AIRCRAFT ARRESTING SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27597	116-922	/AETC176870	3,350

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				2,232
BAK 12/14 ACFT ARRESTING SYSTEM	EA	2	550,000	(1,100)
REPLACE RUNWAY SHOULDER/PAVEMENT, RWY 3/21	SM	3,157	345	(1,088)
SUSTAINABILITY AND ENERGY MEASURES	LS			(44)
SUPPORTING FACILITIES				786
UTILITIES INSTALLATION/CONNECTION	LS			(300)
SITE PREP/IMPROVEMENTS	LS			(240)
AIRFIELD LIGHTING	LS			(12)
NEW ACCESS ROAD	LS			(175)
COMMUNICATIONS SUPPORT	LS			(59)
SUBTOTAL				3,018
CONTINGENCY (5.0%)				151
TOTAL CONTRACT COST				3,169
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				181
TOTAL REQUEST				3,349
TOTAL REQUEST (ROUNDED)				3,350
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,163.0)

10. Description of Proposed Construction: Construct two reinforced concrete BAK-12 equipment enclosures with fairlead beam foundations and BAK-14 cable trough foundation at Runway 3-21, 1,500 feet from each end of runway. Provide site preparation, storm drainage, electrical service, and runway signage. Provide vehicular paved access drives with turnabouts for the BAK-12 equipment pits. Replace runway shoulder/pavement. Project will comply with antiterrorism/force protection measures per the Unified Facilities Criteria.

11. Requirement: 2 EA Adequate: 0 EA Substandard: 0 EA

PROJECT: Construct new F-16 BAK 12/14 Aircraft Arresting System (AAS) on each end of Runway 3-21 (New Mission)

REQUIREMENT: An AAS for both ends of Runway 3-21 is required for the F-16 aircraft assigned to the Holloman AFB Training mission that will use Biggs Army Airfield as a divert field. Due to the primary heavy aircraft traffic mission and configuration of the runway, a BAK-14 Aircraft Arresting System is required. The configuration and location of the AAS will be determined in accordance with AFI 32-1043. Runway 3-21 AAS requires paved access drives to prevent FOD and require steel pipe tape tubes capable of handling aircraft landing loads for airfield safety criteria.

CURRENT SITUATION: At present, Biggs AAF lacks an aircraft arresting system. AFI 32-1043 states that alternate airfields used by tailhook equipped aircraft should have emergency arrestment systems. Biggs AAF is planned to be the primary

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1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION, SITE AND LOCATION FT BLISS TEXAS	4. PROJECT TITLE F-16 BAK 12/14 AIRCRAFT ARRESTING SYSTEM	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27597	116-922	/AETC176870	3,350

emergency divert airfield when the F-16 FTU mission migrates to Holloman AFB in 2012.

IMPACT IF NOT PROVIDED: Potential for a major aircraft accident exists without the presence of a divert field containing an AAS, creating a high risk for damage and or loss of fighter aircraft, needless endangerment of pilots and crew. In addition, increased risk of F-16 runway overrun, especially if recovering during inclement weather or when certain aircraft malfunctions exists, and a runway overrun could result in the total loss of a $20M aircraft. For F-16 FTU operations out of Holloman and with the decommissioning of the barriers at Kirtland AFB, the primary divert for Holloman will not have barriers for at least 2 years. This situation greatly increases the risk when dealing with Basic course students and their limited experience in the aircraft.

ADDITIONAL: The scope of this project was based on AF Handbook 32-1084 and input from AFCESA and AETC functional BAK12/14 requirements. A preliminary economic analysis of reasonable options was conducted comparing alternatives of status quo and new construction. New construction is the only alternative that will meet operational requirements. A certificate of exception was completed. 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: (210) 652-8214. BAK 12/14 Aircraft Arresting System, 2 EA; runway shoulder/pavement: 3157 SM = 33,975 SF.

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

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FT BLISS TEXAS	F-16 BAK 12/14 AIRCRAFT ARRESTING SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27597	116-922	/AETC176870	3,350

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	07-MAY-12
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2013	15%
* (d) Date 35% Designed	21-FEB-13
(e) Date Design Complete	30-SEP-13
(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	201
(b) All Other Design Costs	101
(c) Total	302
(d) Contract	251
(e) In-house	50
(4) Construction Contract Award	14 FEB
(5) Construction Start	14 MAR
(6) Construction Completion	15 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)
BAK-14 (NSN: 1710-01-419-4561)	3080	2014	501
BAK-12 (NSN: 1710-01-545-2482)	3080	2014	662

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1. COMPONENT AIR FORCE	**FY 2014 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 1.06

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 12	372	1,216	10,250				267	2773	621	15,499
END FY 2017	361	1,211	9,940				255	2774	615	15,156

7. INVENTORY DATA ($000)		
a. Total Acreage:	6,797	
b. Inventory Total as of : (30 Sep 12)		4,322,858
c. Authorization Not Yet in Inventory:		51,083
d. Authorization Requested in this Program:	(FY 2014)	32,000
e. Planned in Next Four Years Program:		21,000
f. Remaining Deficiency:		361,500
g. Grand Total:		4,788,441

8. PROJECTS REQUESTED IN THIS PROGRAM: (2014)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
130-142	Fire Crash Rescue Station	3,553	SM	18,500	Design Build	
211-111	F35 Aircraft MX Unit Hangar 45E Ops #1	4,057	SM	13,500	Design Build	
		Total		32,000		

9a. Future Projects: Typical Planned In Next Four Years:

317-315	388 RANS Mission Control Center		21,000
		Total	21,000

9b. Real Property Maintenance Backlog This Installation: ($M) 349.0

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 worldwide engineering and logistics management for the F-16 Fighting Falcon, A-10 Thunderbolt II and 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	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
HILL AIR FORCE BASE HILL AFB SITE # 1 UTAH	F-35 AIRCRAFT MX UNIT HANGAR 45E OPS #1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27142	211-111	2349/KRSM103011	13,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				9,646
MAINTENANCE HANGAR ADDITION	SM	543	4,462	(2,423)
MAINTENANCE HANGAR ALTERATION	SM	1,035	2,873	(2,974)
AMU ADDITION	SM	1,054	2,167	(2,284)
AMU ALTERATION	SM	1,425	1,247	(1,777)
SUSTAINABILITY AND ENERGY MEASURES	LS			(189)
SUPPORTING FACILITIES				2,077
UTILITIES	LS			(158)
PAVEMENTS	LS			(1,227)
SITE IMPROVEMENTS	LS			(106)
COMMUNICATIONS SUPPORT	LS			(300)
ASBESTOS / LBP ABATEMENT	LS			(286)
SUBTOTAL				11,723
CONTINGENCY (5.0%)				586
TOTAL CONTRACT COST				12,310
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				702
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				469
TOTAL REQUEST				13,480
TOTAL REQUEST (ROUNDED)				13,500)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,515

10. Description of Proposed Construction: Construct a combined hangar addition and alteration utilizing economical design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

Air Conditioning: 75 Tons

11. Requirement: 4057 SM Adequate: 800 SM Substandard: 1660 SM

PROJECT: F-35 Aircraft MX Unit Hangar 45E Ops #1 (New Mission)

REQUIREMENT: Provide sufficiently sized Aircraft Maintenance Unit (AMU) and fighter aircraft repair hangar for a squadron of twenty-four F-35 fighter aircraft by adding to and altering the east side of bldg 45. Extend existing east hangar portion of bldg 45 thirty feet to the north and install new hangar doors to meet maintenance requirements unique to the F-35 Joint Strike Fighter. Add a 1,054 SM AMU addition to the north side of bldg 45 in between the west and east hangar portions of bldg 45. Alter the AMU portion of the east side of bldg 45 to support

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1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
HILL AIR FORCE BASE HILL AFB SITE # 1 UTAH	F-35 AIRCRAFT MX UNIT HANGAR 45E OPS #1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27142	211-111	2349/KRSM103011	13,500

the Autonomic Logistics Information System (ALIS) and to ensure necessary security upgrades are in place. Ensure also that all required maintenance brief/de-brief areas are provided.

CURRENT SITUATION: The AF has announced Hill AFB as the preferred site alternative for the first and second squadrons of F-35 fighter aircraft. This requirement supports the second squadron's requirement for an AMU and hangar. The second squadron's aircraft are expected to begin arriving in FY17, but due to facility construction phasing timelines, the project must be in the FY14 program. The final force structure is three 24-aircraft fighter squadrons. There are currently insufficient facilities at Hill AFB to accommodate this new mission bed-down. The east maintenance hangar portion of bldg 45 does not have adequate depth to accomplish the various maintenance requirements on the F-35, specifically engine removal/replacement and overall maintenance functions. This problem already exists for the F-16 squadrons currently using bldg 45. The existing east AMU portion of bldg 45 in not suitable in terms of size, condition, and layout. The floor plan must be reconfigured and expanded to support the required operational efficiencies.

IMPACT IF NOT PROVIDED: Without this project, the 388th FW will not be able to receive delivery of the F-35 in any significant numbers. Without the hangar addition, effective engine maintenance for the F-35 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 expanded and renovated so that functions can be performed adequately and efficiently.

ADDITIONAL: This project meets applicable 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) indicated that adding to and altering bldg 45 was the most cost effective option in order to accomplish the mission. 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 the project in accordance with Executive Order 13423, 10 USC 2802(c) and other applicable laws and Executive Orders. Base Civil Engineer: (801) 777-7505. Hangar Addition : 543 SM = 5,842 SF; Hangar Alteration 1,035 SM = 11,136 SF; AMU Addition: 1,054 SM = 11,345 SF; AMU Alteration: 1,425 SM = 15,338 SF.

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

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HILL AIR FORCE BASE HILL AFB SITE # 1 UTAH	F-35 AIRCRAFT MX UNIT HANGAR 45E OPS #1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27142	211-111	2349/KRSM103011	13,500

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Project to be accomplished by design-build procedures

(2) Basis:

(a) Standard or Definitive Design - NO

(b) Where Design Was Most Recently Used -

(3) All Other Design Costs 540

(4) Construction Contract Award 14 FEB

(5) Construction Start 14 MAR

(6) Construction Completion 15 SEP

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
COMMUNICATIONS EQUIPMENT	3080	2015	320
FURNISHINGS	3400	2015	215
SECURITY SYSTEMS	3080	2015	160
5-TON BRIDGE CRANE	3080	2015	500
FOUR POWER PANELS	3080	2015	320

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
HILL AIR FORCE BASE HILL AFB SITE # 1 UTAH	FIRE CRASH RESCUE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
72976	130-142	2349/KRSM003009	18,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITY				12,886
FIRE STATION	SM	3,553	3,556	(12,634)
SUSTAINABILITY AND ENERGY MEASURES	LS			(252)
SUPPORTING FACILITIES				3,177
UTILITIES	LS			(625)
PAVEMENTS	LS			(746)
SITE IMPROVEMENTS	LS			(250)
COMMUNICATIONS	LS			(255)
DEMOLITION	SM	2,578	458	(1,181)
BACKUP GENERATOR	LS			(120)
SUBTOTAL				16,063
CONTINGENCY (5.0%)				803
TOTAL CONTRACT COST				16,866
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				961
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				643
TOTAL REQUEST				18,470
TOTAL REQUEST (ROUNDED)				18,500)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(700

10. Description of Proposed Construction: Construct a facility utilizing economical design and construction methods to accommodate the fire station requirements. The facility should be compatible with applicable DoD, AF, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. Includes site preparation, mechanical, electrical, lighting, plumbing fixtures, interior finishes, and all other supporting facilities. Demolish 2,578 SM. Comply with DOD anti-terrorism/force protection requirements per Unified Facilities Criteria.

Air Conditioning: 100 Tons

11. Requirement: 4570 SM Adequate: 1017 SM Substandard: 2578 SM

PROJECT: Fire Crash Rescue Station. (Current Mission).

REQUIREMENT: A properly sized and configured consolidated fire crash rescue station is required to replace the existing facility resulting in improved working/living environment and improved emergency response time. Station bays must accommodate new, wider fire fighting vehicles (T-1500) and provide adequate ventilation of the exhaust. The station will house all of the assigned firefighting equipment and crews, quality of life functions and 24-hour crew quarters with drive through stalls for the modern fire/crash vehicles. Project developed through analysis of current and projected workloads and in compliance with Air Force Fire Station Guide and National Fire Protection Association

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1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
HILL AIR FORCE BASE HILL AFB SITE # 1 UTAH	FIRE CRASH RESCUE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
72976	130-142	2349/KRSM003009	18,500

Standards.

CURRENT SITUATION: The current fire station was constructed in 1941 and is badly deteriorated due to age and harsh weather conditions. One of the apparatus stalls (Stall #1), which accesses the flightline has recently been assessed a Risk Assessment Code 1 (RAC 1) because of structural instability and has been placed off limits until repairs can be made. The facility is lacking in space for living quarters, training areas, dispatch center, and vehicle bays. The vehicle bay areas and doors are too small to accommodate the latest generation of wider and heavier T-1500 fire fighting vehicles. This delays response time due to the care required when the vehicles exit the facility. Other deficiencies include: no fire separation between dormitory and apparatus bays causing emissions contamination from fire apparatus exhaust, no fire sprinkler coverage throughout, and no Fire Department Infection Control area. Inadequate interior square footage prevents compliance with isolation requirements for disinfecting Personal Protection Equipment (PPE) from blood borne pathogens. Undersized living quarters for 24 hour shift personnel, substandard electrical, plumbing and heating are also out of compliance with current AF Standards.

IMPACT IF NOT PROVIDED: Egress from the facility will remain difficult resulting in slow response times. This puts $4.9 billion in aircraft assets at risk, in addition to, $4.3 billion in real property assets. Fire Department personnel will continue to be exposed to toxins, quality of life issues will remain substandard, morale and welfare of 24 hour shift personnel will worsen, mission critical support equipment will continue to be parked outdoors, subject to weather related deterioration and which has resulted in $4,000 of average annual freeze related repairs. Without this project, education and training requirements will not be fully realized and the fire and emergency service delivery program will continue to be about 75% of its maximum potential based on test scores and performance reports.

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, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternative, new construction was found to be 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, 10 USC 2802 (c), and other applicable laws and Executive orders. Base Civil Engineer: (801) 777-7505. Fire Crash Rescue Station: 3,553 SM = 38,230 SF

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

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HILL AIR FORCE BASE HILL AFB SITE # 1 UTAH	FIRE CRASH RESCUE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72976	130-142	2349/KRSM003009	18,500

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 740

(4) Construction Contract Award 14 FEB

(5) Construction Start 14 MAR

(6) Construction Completion 16 MAR

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FIRE STATION SUPPORT EQUIPMENT	3080	2014	700

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1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROGRAM	2. DATE 26-Jul-12

3. INSTALLATION AND LOCATION JB LANGLEY - EUSTIS VIRGINIA	4. COMMAND: AIR COMBAT COMMAND	5. AREA CONST COST INDEX 0.94

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 26 JUL 12	1392	6170	3187	0	0	0	0	0	700	11,449
END FY 2017	1356	5921	2961	0	0	0	0	0	700	10,938

7. INVENTORY DATA ($000)		
a. Total Acreage: 3,674		
b. Inventory Total as of : (30 Sep 12)		1,900,000
c. Authorization Not Yet in Inventory:		67,592
d. Authorization Requested in this Program:	(2014)	4,800
e. Planned in Next Four Years Program:		0
f. Remaining Deficiency:		0
g. Grand Total:		1,972,392

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2014)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
422-265	4-Bay Conventional Munitions Inspection Facility	820	SM	4,800	Design Build	
		Total		4,800		

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

None

9b. Real Property Maintenance Backlog This Installation: 205

10. Mission or Major Functions: Headquarters Air Combat Command; a fighter wing with F-22A fighters; an airlift wing; an intelligence group; Aerospace Command and Control Intelligence; Surveillance and Reconnaissance Center (AC2ISRC), Detachment of the USAF Doctrine Center; and the Air Force Rescue Coordination Center.

11. Outstanding Pollution and Safety (OSHA Deficiencies):

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
LANGLEY AIR FORCE BASE LANGLEY AFB SITE # 1 VIRGINIA	4-BAY CONVENTIONAL MUNITIONS INSPECTION FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27138	422-265	2479/MUHJ073003B	4,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
MUNITIONS INSPECTION FACILITY				1,726
4 BAY CONV MUNITIONS INSPECTIONS FACILITY	SM	820	2,071	(1,698)
SUSTAINABILITY AND ENERGY MEASURES	LS			(28)
SUPPORTING FACILITIES				2,431
UTILITIES	LS			(185)
PAVEMENTS	LS			(930)
SITE IMPROVEMENT	LS			(350)
DEMOLITION	SM	358	275	(98)
COMMUNICATION	LS			(108)
FIRE PROTECTION	LS			(225)
SPECIAL FOUNDATION	LS			(450)
ASBESTOS ABATEMENT	LS			(85)
SUBTOTAL				4,158
CONTINGENCY (5.0%)				208
TOTAL CONTRACT COST				4,365
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				249
TOTAL REQUEST				4,614
TOTAL REQUEST (ROUNDED)				4,600
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(45.0)

10. Description of Proposed Construction: Construct a conventional munitions inspection facility utilizing economical design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project demolishes one 358 SM facility. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

Air Conditioning: 10 Tons

11. Requirement: 820 SM Adequate: 0 SM Substandard: 358 SM

PROJECT: F-22 4 Bay Conventional Munitions Inspection (New Mission)

REQUIREMENT: Adequately sized and configured conventional munitions maintenance, to include security alarms, is required to support the operational capability of the F-22 aircraft. The AF expanded the role of the F-22 to a multi-roled fighter/attack weapon system (air-to-ground added) so additional munitions facilities are required to support the mission. This drives the need for a four - bay conventional munitions maintenance facility. This facility it required to provide capability to build 20 mm ammunitions, aircraft countermeasures, and base support munitions concurrently during contingency and training situations. The additional air-to-ground munitions significantly alter the explosive quantity

DD FORM 1391, DEC 99 Previous editions are obsolete. Page No.

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION, SITE AND LOCATION LANGLEY AIR FORCE BASE LANGLEY AFB SITE # 1 VIRGINIA	4. PROJECT TITLE 4-BAY CONVENTIONAL MUNITIONS INSPECTION FACILITY	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27138	422-265	2479/MUHJ073003B	4,600

distance setbacks, so adjustments must be made. Also, major utility infrastructure upgrades are necessary to accommodate redevelopment of the area. Force protection complies with minimum DoD standards.

CURRENT SITUATION: The base does not have adequate facilities to conduct safe and efficient handling of munitions in support of F-22 operations. The existing condition in the Munitions Storage Area (MSA) creates a situation that affects personnel safety, security, and greatly reduces operational efficiency. The current maintenance facility is too small to support the mission requirements. The existing electrical system is overhead, the area step-down transformer requires continued maintenance, and there is no emergency power generator to support the MSA. The MSA is located in a flood-prone area and the site drains predominantly by sheet flow to open ditches and a few drop inlets that discharge through pipe culverts. The inlet piping system is undersized to adequately serve the area.

IMPACT IF NOT PROVIDED: Without this facility the base will be unable to meet critical aircraft generation timelines in support of the F-22 operation mission. The lack of this facility could result in significant degradation in operational capability and increase the potential for a serious mishap.

ADDITIONAL: This project meets applicable 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) indicated there is only one option that will meet operational requirements: new construction. Therefore, no economic analysis was needed or performed. 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 the project in accordance with Executive Order 13423, 10 USC 2802(c) and other applicable laws and Executive Orders. Base Civil Engineer: (757) 764-2025. 4 Bay Conventional Munitions Inspection: 820 SM = 8,823 SF.

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

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LANGLEY AIR FORCE BASE LANGLEY AFB SITE # 1 VIRGINIA	4-BAY CONVENTIONAL MUNITIONS INSPECTION FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	422-265	2479/MUHJ073003B	4,600

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	08-FEB-12
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2013	15%
* (d) Date 35% Designed	01-FEB-13
(e) Date Design Complete	30-SEP-13
(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	0
(b) All Other Design Costs	192
(c) Total	192
(d) Contract	0
(e) In-house	0
(4) Construction Contract Award	14 FEB
(5) Construction Start	14 MAR
(6) Construction Completion	15 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	2015	35
FURNISHINGS	3400	2015	10

1. COMPONENT AIR FORCE	**FY 2014 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
SAIPAN, COMMONWEALTH OF NORTHERN MARIANA ISLANDS	PACIFIC AIR FORCES	2.11

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	EN	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 12	N/A									Note 1
END OF FY 2017	N/A									

7. INVENTORY DATA ($000)

a. Total Acreage:	Not DoD Owned Installation	Note 2
b. Inventory Total as of : (30 Sep 12)		n/a
c. Authorization Not Yet in Inventory:		0
d. Authorization Requested in this Program:	(FY 2014)	29,300
f. Planned in Next Four Years Program:		86,000
g. Remaining Deficiency:		TBD
h. Grand Total:		115,300

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2014)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
116-662	PAR - Hazardous Cargo Pad	17,659	SM	8,000	DESIGN	BUILD
124-135	PAR - Apt POL, Bulk Stor AST	15,899	CM	18,500	DESIGN	BUILD
218-123	PAR - Maintenance Facility	2,361	SM	2,800	DESIGN	BUILD
		Total		29,300		

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

121-122	PAR - Parking Apron w/ Type III Hydrants	50,000
124-135	PAR - Port POL System (50K BBL ASTs), Ph 1	18,000
124-135	PAR - Port POL System (50K BBL ASTs), Ph 2	18,000
	Total	86,000

9b. Real Property Maintenance Backlog This Installation: n/a

10. Mission or Major Functions: Saipan will serve as an exercise and weather divert location for air forces in the Pacific

NOTE 1: No personnel will be permanently assigned to this location
NOTE 2: Not a DoD owned installation; therefore we do not own any real property.

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
SAIPAN COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS	PAR - AIRPORT POL, BULK STORAGE AST

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	124-135	/PAF140200	18,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				12,321
ABOVEGROUND BULK STORAGE	CM	15,899	524	(8,338)
PUMP/FILTER HOUSE	SM	242	12,529	(3,032)
TRUCK FILL STAND	EA	1	424,270	(424)
TRANSFER PIPE	LS			(286)
SUSTAINABILITY AND ENERGY MEASURES	LS			(242)
SUPPORTING FACILITIES				3,681
UTILITIES	LS			(1,664)
PAVEMENTS	LS			(701)
SITE IMPROVEMENTS	LS			(44)
ARCHEOLOGICAL MONITORING	LS			(75)
HABITAT MITIGATION COSTS	LS			(285)
ENVIRONMENTAL REMEDIATION & UXO REMOVAL	LS			(912)
SUBTOTAL				16,002
CONTINGENCY (5.0%)				800
TOTAL CONTRACT COST				16,802
SUPERVISION, INSPECTION AND OVERHEAD (6.2%)				1,042
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				640
TOTAL REQUEST				18,484
TOTAL REQUEST (ROUNDED)				18,500)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(38

10. Description of Proposed Construction: Construct an airport POL, bulk above ground storage tank facility using economical design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD and Air Force design standards. In addition, local materials and construction techniques shall be used where cost effective. The facility must be able to withstand wind loads and seismic effects as prescribed in applicable codes and design guides. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

11. Requirement: 15899 CM Adequate: CM Substandard: CM

PROJECT: Pacific Airpower Resiliency (PAR) Airport POL, bulk above ground storage tank. (New Mission)

REQUIREMENT: An adequately sized and configured maintenance facility is required in the Commonwealth of the Northern Mariana Islands (CNMI) to effectively support exercise capabilities for aircraft from this airport. Pending completion of the Record of Decision in April 2013, Saipan is the preferred alternative for this project. To meet mission capability, the airport is required to have 15,899 CM (100,000 barrels) of jet fuel storage, available to aircraft through a hydrant

DD FORM 1391, DEC 99 Previous editions are obsolete. Page No.

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION, SITE AND LOCATION SAIPAN COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS	4. PROJECT TITLE PAR - AIRPORT POL, BULK STORAGE AST	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	124-135	/PAF140200	18,500

system. This location does not have a fuel tank to meet the requirement, but has a hydrant system which is primarily for commercial aircraft. The pump house and transfer pipe will enable use of the existing hydrant system. The truck fill stand allows for limited aircraft fueling operations in case the hydrant system is not available. This project is part of a proposed action - to achieve and maintain U.S. Air Force readiness by establishing additional exercises, while ensuring the capability to meet mission requirements in the event that access to western Pacific locations is limited or denied.

CURRENT SITUATION: There are no facilities at this location to store fuel for the proposed exercise mission requirements. The aircraft fuel storage and distribution currently at the airport is significantly undersized for the Air Force mission and is for commercial use and not available to the DoD under normal circumstances.

IMPACT IF NOT PROVIDED: Without this facility, there is not an adequate supply of fuel to conduct exercises from this airport. This precludes use of the airport for the emerging and future exercise missions.

ADDITIONAL: This project meets applicable criteria/scope specified in Air Force Manual 32-1084, Facility Requirements and UFC 3-460-01 Design: Petroleum Facilities. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) indicated there is only one option that will meet operational requirements: new construction. Therefore, an economic analysis was not performed. A waiver request has been completed. Habitat mitigation costs are included due to the potential impact on endangered species. Unexploded ordinance (UXO) costs are included due to the potential need for recovery, handling, and removal of any unexploded ordinance. Based on analysis of the current real estate market on CNMI, the annual lease cost for 6.78 acres (the amount of land needed for the Airport POL Bulk Storage AST project) is estimated to be $38,400. 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. While funding for land lease costs will be sought from other appropriations, the Air Force is requesting the authority to acquire the land through lease. Pursuant to Section 806(b) of the 1976 Covenant to Establish a Commonwealth of the Northern Mariana Islands in Political Union with the United States of America, Congressional authorization is required to acquire any interest in real property in the Marianas Islands (and fee purchase is prohibited). The land to be leased is the minimum area necessary to accomplish the purpose of this project. Base Civil Engineer: (671) 366-7101. Airport POL, Bulk Aboveground Storage Tanks: 15,899 CM = 100,000 BBL = 4,200,000 gallons; pump house 242 SM = 2,605 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 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SAIPAN COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS	PAR - AIRPORT POL, BULK STORAGE AST

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	124-135	/PAF140200	18,500

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 740

(4) Construction Contract Award 14 FEB

(5) Construction Start 14 MAR

(6) Construction Completion 15 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 APPRC	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
LAND LEASE (ANNUAL ESTIMATE)	3400	2014	38

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
SAIPAN COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS	PAR - HAZARDOUS CARGO PAD

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	116-662	/PAF140300	8,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITY				5,833
HAZARDOUS CARGO PAD	SM	17,659	324	(5,719)
SUSTAINABILITY AND ENERGY MEASURES	LS			(114)
SUPPORTING FACILITIES				1,146
UTILITIES	LS			(106)
SITE IMPROVEMENTS	LS			(198)
ENVIRONMENTAL REMEDIATION	LS			(150)
ARCHEOLOGICAL MONITORING	LS			(75)
HABITAT MITIGATION COSTS	LS			(285)
UNEXPLODED ORDINANCE REMOVAL	LS			(332)
SUBTOTAL				6,979
CONTINGENCY (5.0%)				349
TOTAL CONTRACT COST				7,328
SUPERVISION, INSPECTION AND OVERHEAD (6.2%)				454
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				279
TOTAL REQUEST				8,061
TOTAL REQUEST (ROUNDED)				8,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(25

10. Description of Proposed Construction: Construct a Hazardous Cargo Pad using economical design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD and Air Force design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

11. Requirement: 17659 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Pacific Airpower Resiliency (PAR) Hazardous cargo pad. (New Mission)

REQUIREMENT: An adequately sized and configured hazardous cargo pad is required in the Commonwealth of the Northern Mariana Islands (CNMI) to safely support divert capabilities for aircraft in the Pacific theater. Pending completion of the Record of Decision in April 2013, Saipan is the preferred alternative for this project. Hazardous cargo pads enable aircraft loaded with hazardous materials or explosives to be parked at safe distances from buildings and airfield operations. The hazardous cargo pad is sized for operations and parking of a single cargo aircraft up to and including a C-5 or four F-22 fighters to park with room to maneuver under their own power. This project is part of a proposed action - to achieve and maintain U.S. Air Force readiness by establishing additional divert capabilities to support current and future exercises, while ensuring the capability to meet mission requirements in the event that access to western Pacific locations is limited or

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION, SITE AND LOCATION SAIPAN COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS	4. PROJECT TITLE PAR - HAZARDOUS CARGO PAD	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	116-662	/PAF140300	8,000

denied.

CURRENT SITUATION: There are no airfields in the CNMI that have a hazardous cargo pad. While military aircraft in an emergency situation were forced to use this airport as a divert location, existing facilities do not meet the safety distance requirements for hazardous material or explosives. The airport mitigates the risk of the hazardous material by moving the aircraft onto the taxiway. In some cases this does not move the hazardous material to the regulation distance for safety, but it is the best alternative. In all cases it blocks a portion of the only taxiway which adversely impacts commercial traffic at the airport.

IMPACT IF NOT PROVIDED: In the event of an aircraft divert, the airport will continue to be limited to its current response capability which limits commercial operations and incurs safety risk. With emerging and future exercises, there will be more flights in the region and a greater likelihood of a divert scenario.

ADDITIONAL: This project meets applicable criteria/scope specified in Air Force Manual 32-1084, Facility Requirements and Air Force Manual 91-201, Explosives Safety Standards. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) indicated there is only one option that will meet operational requirements: new construction. Therefore, an economic analysis was not performed. A waiver request has been completed. Habitat mitigation costs are included due to the potential impact on endangered species. Unexploded ordinance (UXO) costs are included due to the potential need for recovery, handling, and removal of any unexploded ordinance. Based on analysis of the current real estate market on CNMI, the annual lease cost for 4.5 acres (the amount of land needed for the hazardous cargo pad project) is estimated to be $25,300. 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.While funding for land lease costs will be sought from other appropriations, the Air Force is requiesting the authority to acquire the land through lease. Pursuant to Section 806 (b) of the 1976 Covenant to Establish a Commonwealth of the Northern Mariana Islands in political union with the United States of America, Congressional authorization is required to acquire any interest in real property in the Marianas Islands (and fee purchase is prohibited). The land to be leased is the minimum area necessary to accomplish the purpose of theis project. MAJCOM POC:: (671) 366-7101. Hazardous Cargo Pad: 17,659 SM = 190,080 SF.

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

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SAIPAN COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS	PAR - HAZARDOUS CARGO PAD

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	116-662	/PAF140300	8,000

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 320

(4) Construction Contract Award 14 FEB

(5) Construction Start 14 MAR

(6) Construction Completion 15 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 APPRC	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
LEASE (ESTIMATED ANNUAL COST)	3400	2014	25

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
SAIPAN COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS	PAR - MAINTENANCE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	218-123	/PAF140100	2,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITY				1,344
MAINTENANCE FACILITY	SF	558	2,361	(1,318)
SUSTAINABILITY AND ENERGY MEASURES	LS			(26)
SUPPORTING FACILITIES				1,060
UTILITIES	LS			(160)
PAVEMENTS	LS			(131)
SITE IMPROVEMENTS	LS			(152)
ENVIRONMENTAL REMEDIATION	LS			(155)
ARCHEOLOGICAL MONITORING	LS			(78)
HABITAT MITIGATION COSTS	LS			(285)
UNEXPLODED ORDINANCE REMOVAL	LS			(99)
SUBTOTAL				2,404
CONTINGENCY (5.0%)				120
TOTAL CONTRACT COST				2,524
SUPERVISION, INSPECTION AND OVERHEAD (6.2%)				156
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				96
TOTAL REQUEST				2,776
TOTAL REQUEST (ROUNDED)				2,800)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(5

10. Description of Proposed Construction: Construct a maintenance facility using economical design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD and Air Force design standards. In addition, local materials and construction techniques shall be used where cost effective. The facility must be able to withstand wind loads and seismic effects as prescribed in applicable codes and design guides. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

11. Requirement: 558 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Pacific Airpower Resiliency (PAR) Maintenance Facility. (New Mission)

REQUIREMENT: An adequately sized and configured maintenance facility is required in the Commonwealth of the Northern Mariana Islands (CNMI) to effectively support divert and exercise capabilities for aircraft in the Pacific theater. Pending completion of the Record of Decision in April 2013, Saipan is the preferred alternative for this project. This facility provides covered space for maintenance as well as warehousing. Covered space is needed to protect equipment and material from extreme weather of the region; therefore the alternative to store equipment in the open was unacceptable. The maintenance capability is critical for exercise from this airport. This project is part of a proposed action - to achieve and

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION, SITE AND LOCATION SAIPAN COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS	4. PROJECT TITLE PAR - MAINTENANCE FACILITY	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	218-123	/PAF140100	2,800

maintain U.S. Air Force readiness by establishing additional divert capabilities to support current and future exercises, while ensuring the capability to meet mission requirements in the event that access to Andersen AFB or other western Pacific locations is limited or denied.

CURRENT SITUATION: There are no facilities at this location that meet the requirements associated with maintenance and storage in support of divert or exercises. While military aircraft in an emergency situation were forced to use this airport as a divert location, there is a long delay in response as equipment and material are arranged for transport to it.

IMPACT IF NOT PROVIDED: Without this facility, there is no adequate space for personnel or prepositioned support for the exercise missions. Not having required maintenance operations in place to support safe flight operations precludes use of the airport for the emerging and future exercise missions. Additionally, divert response from other bases will continue to be delayed without the response equipment and material prepositioned at the airport. With emerging and future exercises, there will be more flights in the region and a greater likelihood of a divert scenario.

ADDITIONAL: This project meets applicable criteria/scope specified in Air Force Manual 32-1084, Facility Requirements. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) indicated there is only one option that will meet operational requirements: new construction. Therefore, an economic analysis was not performed. A certificate of exception was completed. Habitat mitigation costs are included due to the potential impact on endangered species. Unexploded ordinance (UXO) costs are included due to the potential need for recovery, handling, and removal of any unexploded ordinance. Based on analysis of the current real estate market on CNMI, the annual lease cost for 0.8 acres (the amount of land needed for the maintenance facility project) is estimated to be $5,000. 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. While funding for land lease costs will be sought from other appropriations, the Air Force is requesting the authority to acquire the land through lease. Pursuant to Section 806(b) of the 1976 Covenant to Establish a Commonwealth of the Northern Mariana Islands in Political Union with the United States of America, Congressional authorization is required to acquire any interest in real property in the Marianas Islands (and fee purchase is prohibited). The land to be leased is the minimum area necessary to accomplish the purpose of this project. Base Civil Engineer: (671) 366-7101. MAINTENANCE FACILITY: 558 SM = 6,000 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 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SAIPAN COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS	PAR - MAINTENANCE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	218-123	/PAF140100	2,800

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Project to be accomplished by design-build procedures

(2) Basis:
(a) Standard or Definitive Design - NO
(b) Where Design Was Most Recently Used -

(3) All Other Design Costs 112

(4) Construction Contract Award 14 FEB

(5) Construction Start 14 MAR

(6) Construction Completion 15 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 APPRC	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
LAND LEASE (ANNUAL ESTIMATE)	3400	2014	5

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1. COMPONENT AIR FORCE	**FY 2014 MILITARY CONSTRUCTION PROGRAM**	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST
THULE AIR BASE	AIR FORCE SPACE	COST INDEX
GREENLAND	COMMAND	2.77

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 12	21	114	2	0	0	0	0	0	499	636
END FY 2017	21	114	2	0	0	0	0	0	499	636

7. INVENTORY DATA ($000)

Total Acreage: 233,034

Inventory Total as of : (30 Sep 12)		4,149,542
Authorization Not Yet in Inventory:		91,500
Authorization Requested in this Program:	(FY 2014)	43,904
Planned in Next Four Years Program:		0
Remaining Deficiency:		81,700
Grand Total:		4,366,646

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2014)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
442-758	Thule Consolidation 2	4,959	SM	43,904	Mar 12	Sep 13
		Total		43,904		

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

None

9b. Real Property Maintenance Backlog This Installation ($M) 12

10. Mission or Major Functions: The base hosts a Space Warning Squadron that is designed to detect and track Intercontinental Ballistic Missiles (ICBMs) launched against North America; hosts a Space Operations Squadron--part of the global satellite control network; operates a 10,000 foot runway supporting 2,600 U.S. and international flights per year; and is home to the northernmost deep water port in the world.

11. Outstanding pollution and Safety (OSHA) Deficiencies:

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
THULE AIR BASE THULE AIR BASE SITE # 1 GREENLAND	THULE CONSOLIDATION PHASE 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
31476	442-758	3339/WWCX103028	43,904

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				28,235
VEHICLE MAINT AND /PAVEMENTS & GROUND FAC	SM	4,959	5,582	(27,681)
SUSTAINABILITY AND ENERGY MEASURES	LS			(554)
SUPPORTING FACILITIES				11,037
UTILITIES	LS			(1,526)
SITE IMPROVEMENTS	LS			(800)
COMMUNICATIONS	LS			(350)
DEMOLITION	SM	22,384	299	(6,693)
PAVEMENTS	LS			(886)
ARCTIC FOUNDATION	LS			(400)
STORM DRAINAGE	LS			(382)
SUBTOTAL				39,272
CONTINGENCY (5.0%)				1,964
TOTAL CONTRACT COST				41,236
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				2,680
TOTAL REQUEST				43,916
TOTAL REQUEST (ROUNDED)				43,904

10. Description of Proposed Construction: Construct a facility utilizing Arctic and Subarctic design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. Includes all utilities, site improvements, communications, and all other supporting facilities. Project demolishes five buildings: 563, 580, 630, 836, and 1090 totaling 22,384 SM. This project will comply with DoD antiterrorism/force protection requirements per Unified Facilities Criteria.

Air Conditioning: 0 Tons

11. Requirement: 4959 SM Adequate: 0 SM Substandard: 22384 SM

PROJECT: Construct a Consolidated Vehicle Maintenance and Pavements & Grounds Facility. (Current Mission)

REQUIREMENT: Consolidation of base functions are required to support the SECDEF-directed efficiencies initiative. IAW the Thule Base Consolidation Plan, this is one of two consolidation/demolition MILCON projects required to reduce the overall base footprint, thus reducing energy costs and manpower requirements by a significant amount. Project consolidates mission functions from and demolishes five existing buildings.

CURRENT SITUATION: At present, the Vehicle Maintenance and Pavements & Grounds facilities are scattered all over the Main Base Area and require a large utility

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
THULE AIR BASE THULE AIR BASE SITE # 1 GREENLAND	THULE CONSOLIDATION PHASE 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
31476	442-758	3339/WWCX103028	43,904

distribution system and infrastructure. Most buildings lack fire suppression and contain asbestos. Associated operations, maintenance, and energy costs for these facilities and infrastructure are very high. Fuel and Base Operations Support (BOS) contract costs are on track to exceed $400 million/year by 2020. Existing buildings are located outside of the future Base Consolidation "Thule Triangle" Area.

IMPACT IF NOT PROVIDED: Thule Air Base, an installation uniquely suited geographically to support AFSPC missions of satellite command and control and the Ballistic Missile Early Warning System, will continue to consume Air Force funding and resources at an increasing rate to pay for fuel and BOS while maintaining status quo of inadequate, inefficient facilities and failing to comply with governing rules and regulations for fire safety, energy conservation and standards for working environment. The costs of operation, maintenance and repairs will continue to increase just to keep the 1950s-vintage inefficient facilities.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements. "An economic analysis of reasonable options for accomplishing this project (status quo, revitalization, renovation, upgrade/removal, new construction) was done. Based on the present value and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. Sustainable principles will be integrated into the design, development, and construction of the project IAW Executive Order 13423, 10 USC 2802 (c), and other applicable laws and executive orders. 21 SW Base Civil Engineer: (719) 556-7631. Consolidated Vehicle Maintenance and Pavements & Grounds facility of 4,959 SM = 53,359 SF.

FOREIGN CURRENCY: FCF Budget Rate Used: DANISH KRONER 5.4074

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 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
THULE AIR BASE THULE AIR BASE SITE # 1 GREENLAND	THULE CONSOLIDATION PHASE 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
31476	442-758	3339/WWCX103028	43,904

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	20-MAR-12
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2013	15%
* (d) Date 35% Designed	18-JAN-13
(e) Date Design Complete	30-SEP-13
(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	2,640
(b) All Other Design Costs	1,320
(c) Total	3,960
(d) Contract	3,300
(e) In-house	660

(4) Construction Contract Award	14 FEB
(5) Construction Start	14 MAR
(6) Construction Completion	16 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 2014 MILITARY CONSTRUCTION PROGRAM**	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST
JOINT REGION MARIANAS, ANDERSEN GUAM	PACIFIC AIR FORCES	COST INDEX 2.12

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 12	158	1,595	376	0	0	0	0	0	0	2,129
END FY 2017	158	1,643	383	0	0	0	0	0	0	2,184

7. INVENTORY DATA ($000)

a. Total Acreage:	20,270	
b. Inventory Total as of : (30 Sep 12)		6,145,097
c. Authorization Not Yet in Inventory:		184,719
d. Authorization Requested in this Program:	(FY 2014)	176,230
e. Planned in Next Four Years Program:		288,650
f. Remaining Deficiency:		775,459
g. Grand Total:		7,570,155

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2014)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
141-453	PRTC Red Horse Airfield Ops Facility	1,205		8,500	Design-Build	
145-453	PAR - Fuel Systems Hardened Buildings	776		20,000	Jul-12	Sep-13
179-511	PRTC SF Fire Res & Emrncy Mgt	631		4,600	Design-Build	
211-111	PAR - MX Hgr/AMU/Sq Ops	7,005		132,600	Jun-12	Sep-13
212-213	PAR -Tactical Missile Facility	882		10,530	May-12	Sep-13
			Total	176,230		

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

121-115	PAR -Truck Offload Header	5,000
131-111	PRTC Combat Comm Infrastructure Facility	3,750
141-181	PAR - GP Aircraft Shelter - Arc 1 Incr 1	139,700
211-159	PAR - LO/Corrosion Control/Comp Rpr Facility	35,700
211-179	PAR - Fuel Systems Maint Hangar, Incr 2	64,000
442-758	PAR - Equipment Storage	19,000
610-127	PRTC Silver Flag Operations/Command & Control	8,500
832-266	PAR- South Ramp Utilities Phase 2	13,000
	Total	288,650

9b. Real Propery Maintenance Backlog This Installation ($M) 129

10. Mission or Major Functions: Andersen AFB is home to the 36th Wing (36 WG) with the primary mission to employ, deploy, integrate, and enable air and space forces from the most forward US sovereign air force base in the Pacific. Provides continuous bomber presence 365 days per year to support US Pacific Command. Provides a Contingency Response Group with a "911 force" capability to quickly deploy to any hot spot in the region to quickly open and operate an air base for both combat and humanitarian assistance missions. Hosts AMC air mobility squadron and Navy helicopter sea combat squadron.

11. Outstanding pollution and Safety (OSHA Deficiencies):

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JRM ANDERSEN ANDERSEN AF BASE SITE # 1 GUAM	PAR - FUEL SYSTEMS HARDENED BUILDINGS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	145-921	1366/AJJY143760	20,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				13,681
HARDENED STRUCTURES FOR POL	SM	776	11,569	(8,978)
FUEL DISTRIBUTION SYSTEM	EA	1	2,741,067	(2,741)
HYDRANT LOOP EXPANSION	LM	640	2,647	(1,694)
SUSTAINABILITY AND ENERGY MEASURES	LS			(268)
SUPPORTING FACILITIES				4,219
UTILITIES	LS			(897)
SITE IMPROVEMENTS	LS			(956)
PAVEMENTS	LS			(835)
COMMUNICATIONS	LS			(245)
ARCHEOLOGICAL MONITORING	LS			(100)
EXPLOSIVE SAFETY COMPLIANCE	LS			(597)
ENVIRONMENTAL REMEDIATION	LS			(589)
SUBTOTAL				17,900
CONTINGENCY (5.0%)				895
TOTAL CONTRACT COST				18,795
SUPERVISION, INSPECTION AND OVERHEAD (6.2%)				1,165
TOTAL REQUEST				19,960
TOTAL REQUEST (ROUNDED)				20,000

10. Description of Proposed Construction: Construct hardened structures around existing and new POL structures, expand hydrant loop system and additional system redundancy using economical design and construction methods. The facility should be compatible with applicable DoD, Air Force and base design standards as applicable. In addition, local materials and construction techniques shall be used when cost effective. The facility must be able to withstand wind loads and seismic effects as prescribed in applicable codes and design guides. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

11. Requirement: 776 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Pacific Airpower Resiliency (PAR) Fuel Systems Hardened Buildings (New Mission)

REQUIREMENT: A resilient fuel system is crucial to sustain operations at Joint Region Marianas - Andersen Air Force Base. Tropical cyclones regularly impact Guam and pose a risk to the system. Due to Guam's remote location and its criticality to regional security, an Air Force/Navy Joint Warfighter group determined that hardened structures to protect the manifold and pump house were necessary for resiliency of the fuel systems. In addition, additional infrastructure capabilities are required to ensure critical operations continue.

CURRENT SITUATION: The manifold has limited side protection with a concrete

DD FORM 1391, DEC 99 Previous editions are obsolete. Page No.

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JRM ANDERSEN ANDERSEN AF BASE SITE # 1 GUAM	PAR - FUEL SYSTEMS HARDENED BUILDINGS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	145-921	1366/AJJY143760	20,000

masonry unit retaining wall and soil bermed against its sides. The pump house has floors, ceilings and walls of rudimentary concrete construction. The current hydrant loop systems are not connected in adequate locations.

IMPACT IF NOT PROVIDED: Without hardened structures for these components and hydrant connection, the fuel systems are more vulnerable to temporary loss and potential mission failure. This project will allow for the required protection and redunantcy in the system in case of natural or man made contingency operations.

ADDITIONAL: This project meets applicable criteria/scope specified in Air Force Manual 32-1084, Facility Requirements and UFC 3-460-01 Design: Petroleum Facilities as applicable. As constructing hardened structures and fuel hydrant system expansion to protect the existing POL systems is the only feasible way to meet this requirement, an economic analysis was not performed. A certifcate of exception has been completed. 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. Base Civil Engineer: (671) 366-7101. Hardened Structures for POL Systems: 706 SM = 7,600 SF, Hydrant loop expansion: 640 LM = 2,100 LF.

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

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
JRM ANDERSEN ANDERSEN AF BASE SITE # 1 GUAM	PAR - FUEL SYSTEMS HARDENED BUILDINGS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	145-921	1366/AJJY143760	20,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	24-JUL-12
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2013	15%
* (d) Date 35% Designed	29-MAR-13
(e) Date Design Complete	30-SEP-13
(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	14 FEB
(5) Construction Start	14 MAR
(6) Construction Completion	16 JUN

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

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JRM ANDERSEN ANDERSEN AF BASE SITE # 1 GUAM	PAR - TANKER GP MAINT HANGAR/AMU/SQD OPS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	211-111	1366/AJJY133027	132,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				107,305
MAINTENANCE HANGER	SM	3,902	24,526	(95,700)
TANKER SQUADRON OPERATIONS	SM	1,960	3,179	(6,231)
AIRCRAFT MAINTENANCE UNIT	SM	1,143	2,797	(3,197)
SUSTAINABLITY AND ENERGY MEASURES	LS			(2,177)
SUPPORTING FACILITIES				11,641
UTILITIES	LS			(1,743)
SITE IMPROVEMENTS	LS			(4,253)
PAVEMENTS	LS			(1,679)
COMMUNICATIONS	LS			(174)
ENV REMEDIATION/EXPLOSIVE SAFETY COMPLIANCE	LS			(1,795)
ARCHEOLOGICAL MONITORING	LS			(100)
BUILDING DEMOLITION	SM	4,593	413	(1,897)
SUBTOTAL				118,946
CONTINGENCY (5.0%)				5,947
TOTAL CONTRACT COST				124,893
SUPERVISION, INSPECTION AND OVERHEAD (6.2%)				7,743
TOTAL REQUEST				132,637
TOTAL REQUEST (ROUNDED)				132,600
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,700.0)

10. Description of Proposed Construction: The hangar is to be constructed of reinforced concrete consisting of an arched roof with a height at the center of the arch of approximately 75 feet. The facility is hardened with roof and side walls approximately 42 inches thick and ribs approximately 42 inches wide and 8 feet deep. The front of the shelter will have a system of hardened doors for aircraft access. The facility will be able to withstand 170 mile-per-hour (mph) typhoon winds (190 mph winds for doors, windows, and roofs). The facility will also meet all Seismic Zone 4 earthquake criteria. The project includes all utilities, site work, HVAC, communications, fire suppression system, pavements, parking and demolition. This facility will be compatible with all applicable Department of Defense (DoD),U.S. Air Force and installation design standards. Local materials and construction techniques shall be used for this construction where appropriate and cost-effective. This project will comply with DoD Anti-Terrorism/Force Protection (AT/FP) requirements per applicable Unified Facilities Criteria.

Air Conditioning: 70 Tons

11. Requirement: 16723 SM Adequate: 9718 SM Substandard: 4593 SM

PROJECT: Pacific Airpower Resiliency (PAR) Tanker Maintenance Hangar/AMU/SQD OPS (New Mission)

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1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JRM ANDERSEN ANDERSEN AF BASE SITE # 1 GUAM	PAR - TANKER GP MAINT HANGAR/AMU/SQD OPS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	211-111	1366/AJJY133027	132,600

REQUIREMENT: A hardened facility adequately sized and configured is required to sustain critical missions such as Continuous Bomber Presence (CBP), Tanker Task Force (TTF), and Theater Security Packages (TSP). The design aircraft for this Hangar is the C-17 and B-52, the hangar will also support the KC-46A. The hangar bay will support aircraft maintenance, repair, and regularly scheduled inspections that require complete protection from the elements, to include landing gear retraction tests, aircraft weighing, airframe repairs, and TCTOs. The AMU supports flightline maintenance activities, including bench stock, test equipment, special tools, Dash 21 equipment, alternate mission equipment, vehicles, mobility equipment, and dedicated supply support production efforts. The hardened Squadron Operations area is required to protect command and administration functions including flight planning, air crew briefing and debriefing, training, and the numerous activities necessary to keep the squadron mission capable during a contingency. Space must also be provided for the storage, care and issue of flight crew life support system equipment.

CURRENT SITUATION: The existing facility does not provide protection from the currently identified threat. Additionally, the existing maintenance facilities have insufficient tanker maintenance capacity; they are required to support low observable repair and other critical repairs to higher priority assets. None of the facilities capable of supporting tanker maintenance can support this requirement.

IMPACT IF NOT PROVIDED: Without this facility, JRM-Andersen is unable to provide timely maintenance to aircraft significantly reducing readiness and degrading operational capability to support the Continuous Bomber Presence (CBP), Tanker Task Force (TTF), and Theater Security Packages (TSP). The lack of this facility also leaves aircrews without required protection in the event of a contingency.

ADDITIONAL: This project meets the criteria/ scope specified in Air Force Manual 32-1084, Facility Requirements and PACAF Logistics Facilities Planning Guide. A preliminary analysis has been performed and determined that the only viable option is to construct a new Fuel Systems Maintenance Hangar. Therefore, a complete economic analysis was not performed. A certificate of exception has been completed. 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. Base Civil Engineer: (671) 366-7101. Tanker Maintenance Hangar Bay: 3,902 SM = 42,005 SF; Aircraft Maintenance Unit: 1,143 SM = 12,304 SF; Squadron Operations: 1,960 SM = 21,098 SF.

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

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
JRM ANDERSEN ANDERSEN AF BASE SITE # 1 GUAM	PAR - TANKER GP MAINT HANGAR/AMU/SQD OPS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	211-111	1366/AJJY133027	132,600

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	05-JUN-12
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2013	15%
* (d) Date 35% Designed	28-MAR-13
(e) Date Design Complete	30-SEP-13
(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	8,016
(b) All Other Design Costs	4,008
(c) Total	12,024
(d) Contract	10,020
(e) In-house	2,004
(4) Construction Contract Award	14 FEB
(5) Construction Start	14 MAR
(6) Construction Completion	17 JUN

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNISHINGS	3400	2016	650
COMM EQUIPMENT	3080	2016	300
OTHER EQUIPMENT (NON-COMM)	3400	2016	750

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JRM ANDERSEN ANDERSEN AF BASE SITE # 1 GUAM	PAR - TACTICAL MISSILE MAINTENANCE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	212-213	1366/AJJY153011	10,530

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITY				5,664
TACTICAL MISSILE MAINTENANCE FACILITY	SM	882	6,296	(5,553)
SUSTAINABILITY AND ENERGY MEASURES	LS			(111)
SUPPORTING FACILITIES				3,779
UTILITIES	LS			(803)
SITE IMPROVEMENTS	LS			(1,037)
PAVEMENTS	LS			(561)
LIGHTNING PROTECTION	LS			(391)
ENV REMEDIATION/EXPLOSIVE SAFETY COMPLIANCE	LS			(911)
ARCHEOLOGICAL MONITORING	LS			(75)
SUBTOTAL				9,443
CONTINGENCY (5.0%)				472
TOTAL CONTRACT COST				9,915
SUPERVISION, INSPECTION AND OVERHEAD (6.2%)				615
TOTAL REQUEST				10,530
TOTAL REQUEST (ROUNDED)				10,530
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(150.0)

10. Description of Proposed Construction: Construct a Tactical Missile Maintenance Facility using econmical design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

Air Conditioning: 52 Tons

11. Requirement: 882 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Pacific Airpower Resiliency (PAR) Tactical Missile Maintenance Facility (TMMF) (New Mission)

REQUIREMENT: An adequately sized and configured TMMF is required to conduct maintenance operations, including assembly, disassembly, inspection, testing, and repair of precision guided munitions. The TMMF facility is required to support a Continuous Bomber Presence (CBP) and Theater Security Packages (TSP). The maintenance facility consists of drive-through work bays, test cell room, office space, tool and test equipment room, a training ready room, latrines, and supporting functions, to include electrical, mechanical, and janitor's closet.

CURRENT SITUATION: Existing facilities at Andersen AFB cannot meet nor support the specialized maintenance and repair requirements of the missile systems for bomber and fighter aircraft.

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JRM ANDERSEN ANDERSEN AF BASE SITE # 1 GUAM	PAR - TACTICAL MISSILE MAINTENANCE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	212-213	1366/AJJY153011	10,530

IMPACT IF NOT PROVIDED: Without this facility, Andersen AFB will be unable to provide TMMF capabilities to support a Continuous Bomber Presence (CBP) and Theater Security Packages (TSP). Lack of this facility would significantly impact readiness and proficiency, and could result in significant degradation of operational capability, and may increase the potential for a serious mishap.

ADDITIONAL: This project meets applicable criteria/scope specified in Air Force Handbook 32-1084, Facility Requirements and PACAF Logistics Facilities Planning Guide. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) indicated there is only one option that will meet operational requirements: new construction. Therefore, no economic analysis was needed or performed. A certificate of exception has been completed. 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. Base Civil Engineer: (671) 366-7101. Tactical Missile Maintenance Facility: 882 SM = 9,497 SF.

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

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
JRM ANDERSEN ANDERSEN AF BASE SITE # 1 GUAM	PAR - TACTICAL MISSILE MAINTENANCE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	212-213	1366/AJJY153011	10,530

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	01-MAY-12
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2013	15%
* (d) Date 35% Designed	13-FEB-13
(e) Date Design Complete	30-SEP-13
(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	632
(b) All Other Design Costs	316
(c) Total	948
(d) Contract	790
(e) In-house	158
(4) Construction Contract Award	14 FEB
(5) Construction Start	14 MAR
(6) Construction Completion	15 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)
COMMUNICATIONS EQUIPMENT	3400	15	106
FURNISHING	3400	15	44

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JRM ANDERSEN NORTHWEST GUAM AIR FORCE BASE SITE # 1 GUAM	PRTC - RED HORSE AIRFIELD OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	141-453	3085/SAKW113003	8,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITY				5,518
AIRFIELD OPERATIONS FACILITY	SM	1,205	4,506	(5,430)
SUSTAINABILITY AND ENERGY MEASURES	LS			(88)
SUPPORTING FACILITIES				1,797
UTILITIES	LS			(727)
SITE PREPARATION	LS			(476)
ARCHEOLOGICAL/EXPLOSIVE SAFETY COMPLIANCE	LS			(411)
PAVEMENTS	LS			(183)
SUBTOTAL				7,315
CONTINGENCY (5.0%)				366
TOTAL CONTRACT COST				7,681
SUPERVISION, INSPECTION AND OVERHEAD (6.2%)				476
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				293
TOTAL REQUEST				8,450
TOTAL REQUEST (ROUNDED)				8,500)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(286

10. Description of Proposed Construction: Construct a RED HORSE airfield operations facility using economical design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. The facility must be able to withstand wind loads and seismic effects as prescribed in applicable codes and design guides. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

Air Conditioning: 49 Tons

11. Requirement: 1205 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: RED HORSE Airfield Operations Facility. (New Mission)

REQUIREMENT: Project is required to support beddown of the 554 RED HORSE Squadron at the PACAF Regional Training Center (PRTC) at Guam Northwest Field. This is a beddown of a mission to a location where no unit of this type exists. The mission of the 554 RED HORSE Squadron is to provide the Air Force with a highly mobile civil engineer response force to support contingency and special operations worldwide. The 554 RED HORSE is a self-sufficient organization that provides its own power and shelters, and can deploy to a bare-base location and set up within 24 hours. This facility directly supports the mission by providing space for operational, maintenance and training for Airmen.

CURRENT SITUATION: There are no facilities at Northwest Field that can meet this mission requirement. The 554 RED HORSE currently has all 158 personnel in place on

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1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JRM - ANDERSEN NORTHWEST GUAM AIR FORCE BASE SITE # 1 GUAM	PRTC - RED HORSE AIRFIELD OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	141-453	3085/SAKW113003	8,500

Guam. Personnel currently use sea/land containers as shop space in Northwest Field.

IMPACT IF NOT PROVIDED: This project is critical to maintaining on-time phasing plans for units relocating to Northwest Field of Andersen AFB. Without this facility, the RED HORSE mission to rapidly establish and sustain engineering support to the Air Force and other forces operating within the Pacific theater will be severely limited. This facility will provide the only available on-site airfield operations (pavement and grounds) work center required to support the 554 RED HORSE squadron being beddown at Northwest Field. The Squadron will not be able to prepare equipment/pax UTCs to meet required 12 hour minimum enabler response time. Therefore, 13 AF, PACAF and PACOM will lose capability to employ RED HORSE horizontal construction assets. RED HORSE will lack primary training/ops center for pavement and equipment specialties in addition to RED HORSE specific special capabilities.

ADDITIONAL: This project meets applicable criteria/scope specified in Air Force Manual 32-1084, Facility Requirements. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) indicated there is only one option that will meet operational requirements: new construction. Therefore, no economic analysis was not performed. A certificate of exception has been completed. 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. Base Civil Engineer: (671) 366-7101. RED HORSE Airfield Operations Facility: 1,205 SM = 12,972 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. This project supports Total Force Integration initiatives.

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
JRM - ANDERSEN NORTHWEST GUAM AIR FORCE BASE SITE # 1 GUAM	PRTC - RED HORSE AIRFIELD OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	141-453	3085/SAKW113003	8,500

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 340

(4) Construction Contract Award 14 FEB

(5) Construction Start 14 MAR

(6) Construction Completion 15 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 APPRC	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNISHINGS	3080	2015	150
EQUIPMENT	3080	2015	86
COMM EQUIPMENT	3400	2015	50

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JRM ANDERSEN NORTHWEST GUAM AIR FORCE BASE SITE # 1 GUAM	PRTC SILVER FLAG FIRE RESCUE & EMERGENCY MANAGEMENT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	179-511	3085/SAKW133005	4,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITY				2,880
FIRE RESCUE & EMERGENCY MANAGEMENT TRAIN. FAC	SM	631	4,476	(2,824)
SUSTAINABILITY AND ENERGY MEASURES	LS			(56)
SUPPORTING FACILITIES				1,083
UTILITIES	LS			(172)
PAVEMENTS	LS			(110)
SITE IMPROVEMENTS	LS			(112)
COMMUNICATIONS	LS			(275)
ENV REMEDIATION/EXPLOSIVE SAFETY COMPLIANCE	LS			(339)
ARCHEOLOGICAL MONITORING	LS			(75)
SUBTOTAL				3,963
CONTINGENCY (5.0%)				198
TOTAL CONTRACT COST				4,162
SUPERVISION, INSPECTION AND OVERHEAD (6.2%)				258
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				159
TOTAL REQUEST				4,578
TOTAL REQUEST (ROUNDED)				4,600)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(123

10. Description of Proposed Construction: Construct a Silver Flag fire rescue and emergency management training facility using conventional design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. The facility must be able to withstand wind loads and seismic effects as prescribed in applicable codes and design guides. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

Air Conditioning: 8 Tons

11. Requirement: 631 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Fire rescue and emergency management training facility. (New Mission)

REQUIREMENT: This facility is required to move the Silver Flag (SF) mission from Kadena Air Base, Japan to the Pacific Air Forces (PACAF) Regional Training Center (PRTC), which supports training as well as objectives regarding partnering with other services and nations in the Pacific. The PRTC beddown consolidates expeditionary combat support units across the Pacific to Northwest Field, Andersen AFB, Guam [units to relocate: Rapid Engineer Deployable Heavy Operational Repair Squadron Engineers (554 RHS), Combat Communication (644 CBCS), Commando Warrior (736 SFS), and Silver Flag (554 RHS, Det 1)]. This project will consolidate the Silver Flag unit with its parent squadron (554 RHS) to improve training and

DD FORM 1391, DEC 99 Previous editions are obsolete. Page No.

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JRM ANDERSEN NORTHWEST GUAM AIR FORCE BASE SITE # 1 GUAM	PRTC SILVER FLAG FIRE RESCUE & EMERGENCY MANAGEMENT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	179-511	3085/SAKW133005	4,600

operations. This particular facility supports training of fire rescue and emergency management specialists. Fire rescue functions include structural fire fighting and crash rescue and recovery. Emergency management specialists have a wide-breadth of functions: managing the base-wide chemical, biological, radiological, nuclear, or high yield explosive detection and response systems; managing response to enemy and natural disaster scenarios; and improving the readiness of all personnel on base.

CURRENT SITUATION: Ten Silver Flag training classes are held each year, with 100 to 120 students per class. Each course runs for eight days and provides hands-on training to students from Air Force commands, other components, and partner nations across the Pacific as if deployed in a wartime scenario. The course trains civil engineers, personnel specialists, services experts, and contracting personnel to build, maintain, and operate a bare base at a forward-deployed location. The class culminates with a 12-hour exercise where the deployed team performs command and control, and emergency management execution. There are no facilities at the PRTC to support fire rescue and emergency management training. The PACAF Silver Flag mission is currently located at Kadena AB, Japan. Japanese law precludes entry of units from other nations, so training with units from other nations is currently limited to those from Japan. While Silver Flag is located in Japan, there are no facilities to enable proper training of U.S. civil engineering units with units from other partner nations.

IMPACT IF NOT PROVIDED: The Silver Flag program will lack facilities for training fire rescue and emergency management in parallel with the rest of their unit at the PRTC location. If this project is not approved, Air Force will have fewer resources to enable partnering with other nations. Due to the complexities of structural firefighting, aircraft crash, and emergency management response, it is invaluable to develop relationships with host nations throughout the Pacific in a training environment. Basic skills for fire rescue, emergency management, and disaster response include coordination of responders from different organizations in addressing an incident, detecting and stopping spread of hazardous materials (nuclear, biological, chemical, and radioactive), and communication of information essential to the safety of military personnel and the public.

ADDITIONAL: This project meets applicable criteria/scope specified in Air Force Manual 32-1084, Facility Requirements. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) indicated there is only one option that will meet operational requirements: new construction. Therefore, an economic analysis was not performed. A waiver request has been completed. 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. Base Civil Engineer phone number: (671) 366-7101. Fire Rescue and Emergency Management Training Facility: 631 SM =6,794 SF.

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

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
JRM ANDERSEN NORTHWEST GUAM AIR FORCE BASE SITE # 1 GUAM	PRTC SILVER FLAG FIRE RESCUE & EMERGENCY MANAGEMENT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	179-511	3085/SAKW133005	4,600

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Project to be accomplished by design-build procedures

(2) Basis:
(a) Standard or Definitive Design - NO
(b) Where Design Was Most Recently Used -

(3) All Other Design Costs 184

(4) Construction Contract Award 14 FEB

(5) Construction Start 14 MAR

(6) Construction Completion 15 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 APPRC	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
COMMUNICATIONS EQUIPMENT	3400	2015	98
FURNISHINGS	3400	2015	25

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1. COMPONENT AIR FORCE	**FY 2014 MILITARY CONSTRUCTION PROGRAM**	2. DATE
3. INSTALLATION AND LOCATION RAF CROUGHTON, UNITED KINGDOM	4. COMMAND: UNITED STATES AIR FORCES IN EUROPE	5. AREA CONST COST INDEX 1.07

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
As of 30 Sep 12	23	338	174	0	0	0	0	4	182	721
END OF FY17	23	338	172	0	0	0	0	4	182	719

7. INVENTORY DATA ($000)

a. Total Acreage:	692	
b. Inventory Total as of : (30 Sep 12)		$583,734
c. Authorization Not Yet in Inventory:		$0
d. Authorization Requested in this Program:	(FY 2014)	$12,000
e. Planned in Next Four Years Program:		$272,597
f. Remaining Deficiency:		$13,550
g. Grand Total:		$881,881

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2014)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
141-832	Main Gate Complex	818	SM	12,000	Design Build	

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

CATEGORY CODE	PROJECT TITLE	COST $,000
131-134	Consolidated SATCOM/Tech Control Fac	29,902
141-453	JIAC Consolidation, Ph 1	95,000
141-454	JIAC Consolidation, Ph 2	93,695
141-454	JIAC Relocation, Ph 3	54,000
	Total:	272,597

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

10. Mission or Major Functions: Provide outstanding installation support, services, force protection, and worldwide communications to the warfighter across the entire spectrum of operations. Supports NATO, EUCOM, CENTCOM, AFSPC, DoS & MoD operations. Sustain over 420 command and control circuits supporting 25% of all European Theatre to CONUS communications.

11. Outstanding pollution and Safety (OSHA Deficiencies):

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
RAF CROUGHTON RAF CROUGHTON SITE # 1 UNITED KINGDOM	MAIN GATE COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	141-454	1638/EXSW143011	12,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				4,249
VISITOR CONTROL CENTER	SM	200	3,182	(636)
LARGE VEHICLE AND POV INSPECTION	SM	650	3,091	(2,009)
GATE HOUSE/ID CHECK	SM	30	3,182	(95)
OVERWATCH	SM	6	3,182	(19)
CANOPY	SM	500	1,078	(539)
DENIAL BARRIER SYSTEMS	LS			(860)
SUSTAINABILITY AND ENERGY MEASURES	LS			(90)
SUPPORTING FACILITIES				6,575
UTILITIES	LS			(970)
SITE IMPROVEMENTS	LS			(550)
PAVEMENTS, WALKWAYS, CURB AND GUTTER	LS			(3,913)
VEHICLE PARKING AND LIGHTING	LS			(657)
EXTERIOR COMMUNICATIONS	LS			(350)
LANDSCAPING	LS			(135)
SUBTOTAL				10,824
CONTINGENCY (5.0%)				541
TOTAL CONTRACT COST				11,365
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				284
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				433
TOTAL REQUEST				12,082
TOTAL REQUEST (ROUNDED)				12,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(333

10. Description of Proposed Construction: Construct a compliant main gate complex with large vehicle inspection station (LVIS) utilizing economical design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria and the stricter of US, United Kingdom or European Union laws and norms.

Air Conditioning: 5 Tons

11. Requirement: 1386 SM Adequate: 0 SM Substandard: 9 SM

PROJECT: Main Gate Complex. (Current Mission)

REQUIREMENT: This project is required to provide a purpose-built, UFC compliant Main Gate Complex and LVIS to support current mission operations. Constructs new installation entrance in accordance with required standards providing the required

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1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
RAF CROUGHTON RAF CROUGHTON SITE # 1 UNITED KINGDOM	MAIN GATE COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	141-454	1638/EXSW143011	12,000

stand-off distances prescribed that are not achievable at existing entrances. Facilitate 422d Security Forces with ability to inspect and search all vehicles and personnel requiring entry and to validate and issue identification documents to visiting personnel.

CURRENT SITUATION: RAF Croughton's existing entry control point is not UFC 4-022-01, Entry Control Facilities compliant. Current entry control has no traffic speed reduction capability and no queuing capacity (less than 50 meters to public roadway), which creates dangerous traffic congestion on public roadway. Additionally, a lack of a large vehicle inspection station means that security forces personnel must close an entry lane to inspect vehicles at the guard shack. If a suspicious vehicle exists, the public road to freeway must be closed and all entry into the installation stops. Lack of a visitor processing center creates distractions for security personnel working entry control since all visitors must be processed at the guard shack.

IMPACT IF NOT PROVIDED: Current entry control operations are neither efficient nor sufficient for sustaining required physical security control. Currently, there is only one entrance gate servicing the installation for large commercial trucks and contractor vehicles. If suspicious items are identified at the gate, the entire gate must be shut down. This effectively seals off access to the installation, and impacts the installation's ability to conduct its mission. In addition, traffic flows remain unsafe, and accidents will continue to plague our entrance. Current operations will continue to impact the off-base Host Nation population, thus impacting our relationship. This could also impact current and future operations by slowing approval of projects, which require local planning approval, to sustain, restore or modernize mission or mission support operations until off-base impacts are reduced. A new compliant gate will significantly reduce off-base impacts and allow for more complete physical security inspections, thus safeguarding critical mission operations.

ADDITIONAL: This project is not eligible for NATO funding, and we do not anticipate this becoming eligible in the future. This project meets applicable criteria/scope specified in DoD 2000.16, Unified Facilities Criteria (UFC) 4-022-01 and Air Force Handbook 32-1084, Facility Requirements. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) indicated there is only one option that will meet operational requirements: new construction. Therefore, no economic analysis was needed or performed. A waiver has been prepared. 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.
Base Civil Engineer: COMM +44-1280-708169. Main Gate Complex: Visitor Control Center 200 SM = 2,152 SF; Large Vehicle and POV Inspection: 650 SM = 7,000 SF; Gate House/ID Check/Overwatch 36 SM = 390 SF; Canopy: 500 SM = 5,380 SF.

BASE CIVIL ENGINEER: Webb

FOREIGN CURRENCY: FCF Budget Rate Used: POUND .6177

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
RAF CROUGHTON RAF CROUGHTON SITE # 1 UNITED KINGDOM	MAIN GATE COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	141-454	1638/EXSW143011	12,000

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAF CROUGHTON RAF CROUGHTON SITE # 1 UNITED KINGDOM	MAIN GATE COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	141-454	1638/EXSW143011	12,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Project to be accomplished by design-build procedures

(2) Basis:

(a) Standard or Definitive Design - YES

(b) Where Design Was Most Recently Used - RAF Mildenhall

(3) All Other Design Costs 480

(4) Construction Contract Award 14 FEB

(5) Construction Start 14 MAR

(6) Construction Completion 15 DEC

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
TELEPHONES, OTHER EQUIP	3400	2015	33
INTRUSION DETECTION EQUIP	3080	2015	50
FURNISHINGS/STORAGE LOCKERS	3400	2015	250

1. COMPONENT AIR FORCE	**FY 2014 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
RAF LAKENHEATH, UNITED KINGDOM	UNITED STATES AIR FORCES IN EUROPE	0.99

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
As of 30 Sep 12	510	4078	760				6	58	15	5,427
END OF FY17	506	4099	753				6	58	15	5,437

7. INVENTORY DATA ($000)

a. Total Acreage:	2,340	
b. Inventory Total as of : (30 Sep 12)		$3,143,568
c. Authorization Not Yet in Inventory:		$7,400
d. Authorization Requested in this Program:	(FY2014)	$22,047
e. Planned in Next Four Years Program:		$0
f. Remaining Deficiency:		$117,500
g. Grand Total:		$3,290,515

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2014)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
141-753	Guardian Angel Operations Facility	6450	SM	22,047	Design Build	
		Total		22,047		

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

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000
None			

9c. Real Property Maintenance Backlog This Installation ($M) 24

10. Mission Functions: Training, Supporting, and Employing a Combat Fighter Wing including one F-15C (493rd FS) and two F-15E squadrons (492nd and 494th FS) together with a squadron of HH-60 helicopters (56 RQS).

11. Outstanding pollution and Safety (OSHA Deficiencies):

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

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
RAF LAKENHEATH RAF LAKENHEATH SITE # 1 UNITED KINGDOM	GUARDIAN ANGEL OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27224	141-753	2470/MSET123005	22,047

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				16,616
SQUADRON OPERATIONS FACILITY	SM	1,950	3,782	(7,375)
GENERAL PURPOSE WAREHOUSE	SM	4,000	1,654	(6,616)
AQUATIC TRAINING CENTER	SM	500	4,283	(2,142)
SUSTAINABILITY AND ENERGY MEASURES	LS			(484)
SUPPORTING FACILITIES				3,133
UTILITIES	LS			(750)
PAVEMENTS	LS			(883)
SITE IMPROVEMENTS	LS			(750)
EXTERIOR COMMUNICATION SUPPORT	LS			(200)
LANDSCAPING/PASSIVE ATFP	LS			(150)
TEMPORARY FACILITIES	LS			(400)
SUBTOTAL				19,749
CONTINGENCY (5.0%)				987
TOTAL CONTRACT COST				20,737
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				518
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				790
TOTAL REQUEST				22,045
TOTAL REQUEST (ROUNDED)				22,047)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,310

10. Description of Proposed Construction: Construct Guardian Angel operations, warehouse, and aquatic training facilities utilizing conventional design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

Air Conditioning: 0 Tons

11. Requirement: 6450 M2 Adequate: 0 M2 Substandard: 0 M2

PROJECT: Construct Guardian Angel Squadron Operations / Warehouse / Aquatic Training Facility (New Mission)

REQUIREMENT: Construct adequately sized, purpose built Guardian Angel (GA) facilities to provide Operations, Administration, Aquatic Training, Warehouse and equipment storage areas for the assigned Personnel Recovery personnel at RAF Lakenheath, United Kingdom. The Air Force is positioning an additional 38 GA personnel and equipment to support three UTCs and one support UTC starting in FY14. Temporary facilities are required as an interim to this MILCON project. Assets

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1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION, SITE AND LOCATION RAF LAKENHEATH RAF LAKENHEATH SITE # 1 UNITED KINGDOM	4. PROJECT TITLE GUARDIAN ANGEL OPERATIONS FACILITY	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27224	141-753	2470/MSET123005	22,047

will support both EUCOM and AFRICOM AORs requirements.

CURRENT SITUATION: There are currently no facilities on the installation large enough or available that can be modernized or renovated to accept the Guardian Angel mission as part of the personnel recovery effort. The current GA's are co-located with the 56 RQS housing 748 maintenance personnel. Their current Cold War era buildings were constructed in 1953 and 1983 for a different function and were temporarily occupied by the 56 RQS on their arrival in 2006. Currently 25% of their critical mission assets are stored in an inadequate, unheated Protective Aircraft Shelter and the remaining 75% remain stored outside exposed to the elements, shortening their life span. The buildings and storage facilities are undersized for their current occupancy making an increase of 38 GA personnel and equipment to 3 Personnel Recovery Teams and one support UTC starting in FY14 inadequate.

IMPACT IF NOT PROVIDED: Adequate facilities will not exist to perform essential Guardian Angels operations, thus forcing operation from temporary facilities. The specialist equipment and multimillion dollar assets will be required to be stored outside resulting in increased replacement costs and the potential for significant degradation of mission performance and capabilities due to equipment non-availability. The potential for significant degradation of mission performance and capabilities will be continually increased.

ADDITIONAL: This project is not eligible for NATO funding. This project meets applicable 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) indicated there is only one option that will meet operational requirements: new construction. Therefore, no economic analysis was needed or performed. A waiver will be 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. Base Civil Engineer: DSN (314) 226-2100. Guardian Angel Facility: 6,045 SM = 65,035 SF.

FOREIGN CURRENCY: FCF Budget Rate Used: POUND .6177

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

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAF LAKENHEATH RAF LAKENHEATH SITE # 1 UNITED KINGDOM	GUARDIAN ANGEL OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27224	141-753	2470/MSET123005	22,047

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 890

(4) Construction Contract Award 14 FEB

(5) Construction Start 14 MAR

(6) Construction Completion 16 JUN

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
SQD OPS FURNISHINGS	3400	2015	110
WAREHOUSE EQUIPMENT/SHELVING	3400	2015	450
ATC FURNISHINGS/EQUIPMENT	3400	2015	350
ROCK CLIMBING TOWER	3080	2015	400

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
UNSPECIFIED LOCATION UNKNOWN	KC-46A FTU FACILITY PROJECTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41221	171-211	/AMC140002	63,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
KC-46A FLIGHT TRAINING UNIT FACILITIES				46,026
KC-46A AIRCRAFT MAINTENANCE UNIT	EA	1		
KC-46A FLIGHT TRAINING FACILITY	EA	1		
KC-46A FUSELAGE TRAINER	EA	1		
KC-46A FUEL CELL HANGAR	EA	1		
KC-46A SQUADRON OPERATIONS FACILITY	EA	1		
SUPPORTING FACILITIES				10,336
SUPPORTING COSTS	LS			(10,336)
SUBTOTAL				56,362
CONTINGENCY (5.0%)				2,818
TOTAL CONTRACT COST				59,180
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				3,373
TOTAL REQUEST				62,553
TOTAL REQUEST (ROUNDED)				63,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(84,000)

10. Description of Proposed Construction: Reinforced concrete foundations and floor slabs, masonary walls, metal roof systems, fire detection/suppression, utilities, pavements, site improvements, communication support, and all other necessary support. These projects will comply with DoD antiterrorism/force protection requirements per Unified Facilities Criteria.

11. Requirement: SM Adequate: SM Substandard: SM

PROJECT: Constructs various Operations and Maintenance facilites at the Flight Training Unit (FTU) to support the beddown of eight KC-46A PAA. (New Mission)

REQUIREMENT: The Air Force has not designated a location for the first FTU for the new KC-46A Tanker Aircraft. This DD Form 1391 will be replaced with location specific DD Forms 1391 prior to the Congressional MILCON committee marks. The first aircraft is scheduled for delivery during the second quarter of FY16. The basing selection for the FTU is underway with Candidate Basing announcement in Jan 2013, Preferred and Reasonable Alternatives projected to be announced in Apr/May 2013, and the final FTU basing decision announcement in May 2014. Facility construction required to support the beddown of 8 PAA KC-46A includes Flight Training Center (with weapon system trainers (WST), boom operator WST, and part-task trainers), fuselage trainer, Squadron Operations, aircraft maintenance unit, and hangar space. WSTs are scheduled for delivery in Fall 2015 and must be ready for aircrew training two months prior to aircraft arrivals. Squadron operations and aircraft maintenance unit and hangar facilities are required prior to aircraft arrivals for equipment installation and initial cadre training.

CURRENT SITUATION: The KC-46A is a new aircraft and there are no facilities

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
UNSPECIFIED LOCATION UNKNOWN	KC-46A FTU FACILITY PROJECTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41221	141-753	/AMC140002	63,000

capable of providing flight simulation, boom operation training, and fuselage training for this weapon system. All facilities that currently accommodate flight simulators and training devices are at capacity supporting existing aircraft. KC-46A aircraft deliveries are scheduled to begin at the FTU in the second quarter of FY2016. WSTs are scheduled for delivery in Fall 2015 and must be ready for aircrew training two months prior to aircraft arrivals.

IMPACT IF NOT PROVIDED: The AF will be unable to provide timely aircrew training necessary to begin operation of the new KC-46A aircraft. The lack of these facilities and equipment greatly increases training costs by requiring the use of aircraft for aircrew training missions for on-the-job training. This would place active KC-46A assets at higher risk of damage due to training accidents. On-the-job training would also result in higher fuel costs to the AF. Aircraft maintenance would need to be perfomed on the ramp subject to the weather elements.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Manual 32-1084 "Facility Requirements". An analysis of reasonable alternatives to meet this requirement (status quo, renovation, new construction) for each project will be accomplished after the basing decision is final or 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, 10 USC 2802 (c), and other applicable laws and Executive orders. MAJCOM POC: 618-229-0765.

JOINT USE CERTIFICATION: This space can be used by other airframes on an as "available basis"; however the scope of the project is based on Air Force Requirements.

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
UNSPECIFIED LOCATION UNKNOWN	KC-46A FTU FACILITY PROJECTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41221	141-753	/AMC140002	63,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	03-MAY-13
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2013	0%
* (d) Date 35% Designed	15-JUL-13
(e) Date Design Complete	28-MAR-14
(f) Energy Study/Life-Cycle analysis was/will be performed	YES
(2) Basis:	
(a) Standard or Definitive Design -	YES
(b) Where Design Was Most Recently Used -	Developed for KC-46A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	3,780
(b) All Other Design Costs	1,890
(c) Total	5,670
(d) Contract	4,725
(e) In-house	945
(4) Construction Contract Award	14 APR
(5) Construction Start	14 MAY
(6) Construction Completion	15 NOV

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
SIMULATORS (WSTS, BOT, PTTS)	3080	14	81,000
COMMUNICATION	3080	15	1,500
FURNISHINGS	3400	15	1,500

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
UNSPECIFIED LOCATION UNKNOWN	KC-46A MOB#1 FACILITY PROJECTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41221	141-753	/AMC140001	192,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
KC-46A MAIN OPERATING BASE (MOB#1)				140,944
KC-46A SIMULATOR FACILITY	EA	1		
KC-46A FUEL CELL & CORROSION CONTROL HANGAR	EA	1		
KC-46A PARKING APRON AND HYDRANT FUEL SYSTEM	EA	1		
KC-46A 2 BAY GENERAL PURPOSE HANGAR	EA	1		
KC-46A SQUADRON OPS/AIRCRAFT MAINTENANCE UNIT	EA	1		
SUPPORTING FACILITIES				32,690
SUPPORTING COSTS	LS			(32,690)
SUBTOTAL				173,634
CONTINGENCY (5.0%)				8,682
TOTAL CONTRACT COST				182,316
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				10,392
TOTAL REQUEST				192,708
TOTAL REQUEST (ROUNDED)				192,700
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(43,700)

10. Description of Proposed Construction: Reinforced concrete foundations and floor slabs, masonry walls, metal roof systems, fire detection/suppression, utilities, pavements, site improvements, communication support, and all other necessary support. The construction of concrete parking apron will include all necessary drainage systems to support the new pavement, repairs to adjacent existing apron pavement to restore life cycle commensurate with new pavement, provide new fuel outlets, install apron lighting to meet standards, and upgrade and remove/replace all utility infrastructure as necessary. These projects will comply with DoD antiterrorism/force protection requirements per Unified Facility Criteria.

11. Requirement: SM Adequate: SM Substandard: SM

PROJECT: Constructs various Operations and Maintenance facilites to support the beddown of 36 KC-46A PAA at Main Operating Base (MOB) #1 (New Mission)

REQUIREMENT: The Air Force has not designated a location for the first MOB#1 for the new KC-46A Tanker Aircraft. This DD Form 1391 will be replaced with location specific DD Forms 1391 prior to the Congressional MILCON committee marks. The first aircraft is scheduled for delivery during the second quarter of FY16. The basing selection for MOB#1 is underway with the Candidate Basing Announcement in Jan 2013, Preferred and Reasonable Alternatives projected to be announced in Apr/May 2013, and the final MOB#1 basing decision announcement in May 2014. Facility construction required to support the beddown of 36 PAA KC-46A includes hangar spaces (Fuel Cell, Corrosion Control with wash capability) and two general purpose maintenance bays with traditional backshops (wheel and tire, avionics, engine parts and storage, etc.), weapon system trainers including Boom Operator Weapon System Trainer and part-task trainers, construct new/alter aircraft parking ramp to

1. COMPONENT AIR FORCE	FY 2014 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION, SITE AND LOCATION UNSPECIFIED LOCATION UNKNOWN	4. PROJECT TITLE KC-46A MOB#1 FACILITY PROJECTS	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41221	141-753	/AMC140001	192,700

include hydrant fueling at aircraft parking spots and all necessary drainage and apron lighting systems as required. Repair adjacent existing apron pavement to restore life cycle commensurate with new pavement. Demolish buildings with associated utilities and pavements. Install, upgrade, and remove/replace all utility infrastructure as necessary.

CURRENT SITUATION: KC-46A aircraft deliveries are scheduled to begin at MOB #1 in second quarter FY16. Weapons System Trainer (WST) scheduled for Benneficial Occupancy in the fall 2015 to allow installation of the simulator to be ready for the aircraft arrivals in 2016.

IMPACT IF NOT PROVIDED: The AF will be unable to provide timely aircrew training necessary to begin operation of the new KC-46A aircraft. The lack of this facility and its equipment greatly increases training costs by requiring the use of aircraft, which would otherwise be assigned to operational missions, for on-the-job training. This would place active KC-46A assets at higher risk of damage due to training accidents. On-the-job training would also result in higher fuel costs to the AF. Aircraft maintenance would need to be perfomed on the ramp subject to the weather elements.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Manual 32-1084 "Facility Requirements". An analysis of reasonable alternatives to meet this requirement (status quo, renovation, new construction) for each project will be accomplished after the basing decision is final. 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, 10 USC 2802 (c), and other applicable laws and Executive orders. MAJCOM POC: 618-229-0765.

JOINT USE CERTIFICATION: This space can be used by other airframes on an as "available basis"; however the scope of the project is based on Air Force Requirements.

1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
UNSPECIFIED LOCATION UNKNOWN	KC-46A MOB#1 FACILITY PROJECTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41221	141-753	/AMC140001	192,700

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	03-MAY-13
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2013	0%
* (d) Date 35% Designed	15-JUL-13
(e) Date Design Complete	28-MAR-14
(f) Energy Study/Life-Cycle analysis was/will be performed	YES
(2) Basis:	
(a) Standard or Definitive Design -	YES
(b) Where Design Was Most Recently Used -	Developed for KC-46A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	11,562
(b) All Other Design Costs	5,781
(c) Total	17,343
(d) Contract	14,453
(e) In-house	2,891
(4) Construction Contract Award	14 APR
(5) Construction Start	14 MAY
(6) Construction Completion	16 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)
SIMULATORS (WST, BOT, PTT)	3080	14	40,500
COMMUNICATION	3080	15	1,200
FURNISHINGS	3400	15	2,000

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
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3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
WORLDWIDE UNSPECIFIED UNKNOWN	UNSPECIFIED MINOR MILITARY CONSTRUCTION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
91211	962-000	/PAYZ140003	20,448

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				20,448
UNSPECIFIED MINOR MILITARY CONSTRUCTION	LS			(20,448)
SUPPORTING FACILITIES				0
SUBTOTAL				20,448
TOTAL CONTRACT COST				20,448
TOTAL REQUEST				20,448
TOTAL REQUEST (ROUNDED)				20,448

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 more than $750,000 and equal to or less than $2,000,000. This authority provides a means of accomplishing projects that are not identified but which are anticipated to arise during FY14. Included would be projects to support new mission requirements, new equipment, and other essential support to Air Force missions and functions.

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1. COMPONENT	FY 2014 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
WORLDWIDE UNSPECIFIED UNKNOWN	PLANNING AND DESIGN

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
91211	961-000	/PAYZ140002	11,314

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				11,314
PLANNING AND DESIGN	LS			(11,314)
SUPPORTING FACILITIES				0
SUBTOTAL				11,314
TOTAL CONTRACT COST				11,314
TOTAL REQUEST				11,314
TOTAL REQUEST (ROUNDED)				11,314

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 FY15 Military Construction Program, initiate design of facilities in the FY16 Military Construction Program, and accomplish planning and design for major and complex technical projects with long lead-times to be included in subsequent Military Construction programs. These funds may be used 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. These funds may also be used for developing the Tri-Services Cost Estimating Guide and Unified Facilities Criteria.

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