Department of the Air Force

Military Construction Program

Fiscal Year (FY) 2015
Budget Estimates

Justification Data Submitted to Congress
March 2014

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2015
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MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2015

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FAMILY HOUSING **PAGE NUMBER**

Department of the Air Force
Military Construction and Military Family Housing
Program Summary
Fiscal Year 2015

	Authorization Request ($000s)	Appropriation Request ($000s)
Military Construction		
Inside the United States	**262,800**	**608,800**
Outside the United States	**105,623**	**169,623**
Planning and Design (10 USC 2807)		**10,738**
Unspecified Minor Construction (10 USC 2805)		**22,613**
Total Military Construction	**368,423**	**811,774**
Military Family Housing		
New Construction	**0**	**0**
Improvements	**0**	**0**
Planning and Design	**0**	**0**
Subtotal	**0**	**0**
Operations, Utilities and Maintenance	**243,335**	**243,335**
Operations	**101,079**	**101,079**
Utilities	**42,322**	**42,322**
Maintenance	**99,934**	**99,934**
Privatization	**40,761**	**40,761**
Leasing	**43,651**	**43,651**
Subtotal	**327,747**	**327,747**
Total Military Family Housing		
Grand Total Air Force	**696,170**	**1,139,521**

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MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2015
(DOLLARS IN THOUSANDS)
INSIDE THE US

STATE/COUNTRY	INSTALLATION	PROJECT	AUTHORIZATION REQUEST	APPROPRIATION REQUEST
ALASKA	Clear	Emergency Power Plant Fuel Storage	11,500	11,500
		Clear TOTAL:	11,500	11,500
		ALASKA TOTAL:	11,500	11,500
ARIZONA	Luke	F-35 Flightline Fillstands	15,600	15,600
		F-35 Aircraft Maintenance Hangar, Squadron #2	11,200	11,200
		Luke TOTAL:	26,800	26,800
		ARIZONA TOTAL:	26,800	26,800
KANSAS	McConnell	KC-46A Fuselage Trainer	6,400	6,400
		KC-46A ADAL Mobility Bag Storage Expansion	2,300	2,300
		KC-46A ADAL Regional Maintenance Training Facility	16,100	16,100
		KC-46A Alter Composite Maintenance Shop	4,100	4,100
		KC-46A Alter Taxiway Foxtrot	5,500	5,500
		McConnell TOTAL:	34,400	34,400
		KANSAS TOTAL:	34,400	34,400
MARYLAND	Fort Meade	CYBERCOM Joint Operations Center - Increment 2	0	166,000
		Fort Meade TOTAL:	0	166,000
		MARYLAND TOTAL:	0	166,000
MASSACHUSETTS	Hanscom	Dormitory (72 Rooms)	13,500	13,500
		Hanscom TOTAL:	13,500	13,500
		MASSACHUSETTS TOTAL:	13,500	13,500
NEBRASKA	Offutt	USSTRATCOM Replacement Facility - Increment 4	0	180,000
		Offutt TOTAL:	0	180,000
		NEBRASKA TOTAL:	0	180,000
NEVADA	Nellis	F-35 Aircraft Maintenance Unit, 4 Bay Hangar	31,000	31,000
		F-22 Flight Simulator Facility	14,000	14,000
		F-35 Weapons School Facility	8,900	8,900
		Nellis TOTAL:	53,900	53,900
		NEVADA TOTAL:	53,900	53,900
NEW JERSEY	JB McGuire-Dix-Lakehurst	Fire Station	5,900	5,900
		JB McGuire-Dix-Lakehurst TOTAL:	5,900	5,900
		NEW JERSEY TOTAL:	5,900	5,900
OKLAHOMA	Tinker	KC-46A Depot Maintenance Complex Support Infrastructure	48,000	48,000
		KC-46A Two-Bay Maintenance Hangar	63,000	63,000
		Tinker TOTAL:	111,000	111,000
		OKLAHOMA TOTAL:	111,000	111,000
TEXAS	JB San Antonio	Fire Station	5,800	5,800
		JB San Antonio TOTAL:	5,800	5,800
		TEXAS TOTAL:	5,800	5,800
		INSIDE THE US TOTAL:	262,800	608,800

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MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2015
(DOLLARS IN THOUSANDS)
OUTSIDE THE U.S.

STATE/COUNTRY	INSTALLATION	PROJECT	AUTHORIZATION REQUEST	APPROPRIATION REQUEST
GUAM	Joint Region Marianas	PRTC - Combat Communications Infrastructure Facility	3,750	3,750
		PRTC - Red Horse Logistics Facility	3,150	3,150
		PRTC - Satellite Fire Station	6,500	6,500
		Guam Strike Fuel Systems Maint Hangar - Increment 2	0	64,000
		Andersen TOTAL:	13,400	77,400
		GUAM TOTAL:	13,400	77,400
UNITED KINGDOM	RAF Croughton	Joint Intelligence Analysis Complex (JIAC) Consolidation - Phase 1	92,223	92,223
		RAF Croughton TOTAL:	92,223	92,223
		UNITED KINGDOM TOTAL:	92,223	92,223
		OUTSIDE THE US TOTAL:	105,623	169,623
WORLDWIDE UNSPECIFIED				
	Various	Planning and Design		10,738
	Various	Unspecified Minor Military Construction		22,613
		WORLDWIDE UNSPECIFIED TOTAL:		33,351
		INSIDE THE US TOTAL:	262,800	608,800
		OUTSIDE THE US TOTAL:	105,623	169,623
		WORLDWIDE UNSPECIFIED TOTAL:	0	33,351
		FY 2015 TOTAL:	368,423	811,774

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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.

FY15	Authorization Request ($000)	Appropriation Request ($000)
NEW MISSION	331,723	561,723
CURRENT MISSION	36,700	216,700
PLANNING & DESIGN		10,738
MINOR CONSTRUCTION		22,613
TOTAL:	368,423	811,774

DEPARTMENT OF THE AIR FORCE
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MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2015
(DOLLARS IN THOUSANDS)
CURRENT MISSION/NEW MISSION BREAKOUT

STATE/COUNTRY	INSTALLATION	PROJECT	AUTH FOR APPROPRIATION	APPROPRIATION REQUEST	TYPE
ALASKA	CLEAR	Emergency Power Plant Fuel Storage	$11,500	$11,500	CM
MASSACHUSETTS	HANSCOM	Dormitory (72 Rooms)	$13,500	$13,500	CM
NEBRASKA	OFFUTT	USSTRATCOM Replacement Facility - Increment 4	$0	$180,000	CM
NEW JERSEY	JB MDL	Fire Station	$5,900	$5,900	CM
TEXAS	JB SAN ANTONIO	Fire Station	$ 5,800	$5,800	CM
		Current Mission TOTAL:	$36,700	$216,700	
ARIZONA	LUKE	F-35 Flightline Fillstands	$15,600	$15,600	NM
ARIZONA	LUKE	F-35 Aircraft Maintenance Hangar, Squadron #2	$11,200	$11,200	NM
GUAM	JRM-ANDERSEN	PRTC - Combat Communications Infrastructure Facility	$3,750	$3,750	NM
GUAM	JRM-ANDERSEN	PRTC - Red Horse Logistics Facility	$3,150	$3,150	NM
GUAM	JRM-ANDERSEN	PRTC - Satellite Fire Station	$6,500	$6,500	NM
GUAM	JRM-ANDERSEN	Guam Strike Fuel Systems Maint Hangar - Increment 2	$0	$64,000	NM
KANSAS	MCCONNELL	KC-46A Fuselage Trainer	$6,400	$6,400	NM
KANSAS	MCCONNELL	KC-46A ADAL Mobility Bag Storage Expansion	$2,300	$2,300	NM
KANSAS	MCCONNELL	KC-46A ADAL Regional Maintenance Training Facility	$16,100	$16,100	NM
KANSAS	MCCONNELL	KC-46A Alter Composite Maintenance Shop	$4,100	$4,100	NM
KANSAS	MCCONNELL	KC-46A Alter Taxiway Foxtrot	$5,500	$5,500	NM
MARYLAND	FORT MEADE	CYBERCOM Joint Operations Center - Increment 2	$0	$166,000	NM
NEVADA	NELLIS	F-35 Aircraft Maintenance Unit, 4 Bay Hangar	$31,000	$31,000	NM
NEVADA	NELLIS	F-22 Flight Simulator Facility	$14,000	$14,000	NM
NEVADA	NELLIS	F-35 Weapons School Facility	$8,900	$8,900	NM
OKLAHOMA	TINKER	KC-46A Depot Maintenance Complex Support Infrastructure	$48,000	$48,000	NM
OKLAHOMA	TINKER	KC-46A Two-Bay Maintenance Hangar	$63,000	$63,000	NM
UNITED KINGDOM	RAF-CROUGHTON	Joint Intelligence Analysis Complex (JIAC) Consolidation - Phase 1	$92,223	$92,223	NM
		New Mission TOTAL:	$331,723	$561,723	
WORLDWIDE	UNSPECIFIED	Planning and Design		$10,738	P&D
WORLDWIDE	UNSPECIFIED	Unspecified Minor Military Construction		$22,613	UMMC
		Central Program TOTAL:	$0	$33,351	
		Active AF Program TOTAL:	$368,423	$811,774	

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2015
INSTALLATION INDEX

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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 2015 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 2015

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 2015

NON-MILCON FUNDING

Research and Development (RDT&E) NONE

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APPROPRIATIONS LANGUAGE

FY2015 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 $811,774,000 to remain available until September 30, 2019: Provided that, of this amount, not to exceed $10,738,000 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 2015 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONST COST INDEX
CLEAR AIR FORCE STATION ALASKA	AIR FORCE SPACE COMMAND	2.31

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 13	4	5	59	0	0	0	15	92	120	295
END FY 2018	4	4	59	0	0	0	15	92	120	294

7. INVENTORY DATA ($000)

Total Acreage: 11,438

Inventory Total as of : (30 Sep 13)		213,882
Authorization Not Yet in Inventory:		0
Authorization Requested in this Program:	(FY 2015)	11,500
Planned in Next Four Years Program		13,200
Remaining Deficiency:		33,200
Grand Total:		271,782

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2015)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
124-134	Emergency Power Plant Fuel Storage		1 LS	11,500	Jan-13	Jun-14
		Total		11,500		

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

730-142	Fire Station		13,200
		Total	13,200

9b. Real Property Maintenance Backlog This Installation ($M) 2.5

10. Mission or Major Functions: Clear AFS supports Active Air Force and Air National Guard space warning missions. The 13th and 213th Space Warning Squadrons provide early warning of sea-launched and intercontinental ballistic missiles to the North American Aerospace Defense Command's Missile Correlation Center located at Cheyenne Mountain Air Force Station, CO. Space situational awareness and tactical warning of ballistic missile attacks against the United States and Canada is part of the Ballistic Missile Early Warning System. Also provides space surveillance data on orbiting objects to the United States Strategic Command's Joint Space Operations Center at Vandenberg Air Force Base, CA.

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 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
CLEAR AIR FORCE STATION CLEAR AIR FORCE STATION SITE # 1 ALASKA	EMERGENCY POWER PLANT FUEL STORAGE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
31476	124-134	1596/DXEB133001	11,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				7,854
ENTRY CONTROL FACILITY (730837)	LS			(904)
VAULTED DIESEL TANKS/BELOW-GRADE (124134)	EA	4	1,375,000	(5,500)
SECURITY FENCES (872247)	LM	1,200	863	(1,036)
DRAINAGE POND RELOCATION	LS			(275)
SUSTAINABILITY AND ENERGY MEASURES	LS			(139)
SUPPORTING FACILITIES				2,439
PAVEMENTS & FUEL FILL ROAD	LS			(650)
UTILITIES	LS			(450)
SITE PREPARATION	LS			(360)
EXTERIOR COMMUNICATIONS	LS			(230)
LIGHTING/HEADBOLT OUTLETS	LS			(373)
GRAVEL PERIMETER ROAD	LS			(376)
SUBTOTAL				10,293
CONTINGENCY (5.0%)				515
TOTAL CONTRACT COST				10,807
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				702
TOTAL REQUEST				11,510
TOTAL REQUEST (ROUNDED)				11,500
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,200.0)

10. Description of Proposed Construction: Construct 4 each 60,000 gallon diesel fuel tanks in below-grade, concrete vaults with piping and pumps to connect to emergency diesel-generators. Vaults shall be sized to permit personnel access to the exterior of each tank for inspection and shall provide secondary containment for fuel leaks from the tank and piping. Install interior and exterior security fencing and perimeter road to meet security requirements and include all necessary lighting, trenching, and related infrastructure. Construct access roads to provide fuel loading access, Entry Control, and parking. The fuel delivery/offloading point will include receipt hose connections and piping. Relocate drainage pond out of construction area. The facility will be designed as permanent construction in accordance with DoD Unified Facilities Criteria - UFC 1-200-01. This project will comply with DoD antiterrorism/force protection requirements per UFC 4-010-01.

11. Requirement: 240000 GA Adequate: 0 GA Substandard: 30000 GA

PROJECT: Emergency power plant fuel storage. (Current Mission)

REQUIREMENT: Operational requirements for the back-up power plant will neccesitate expanding available diesel fuel storage and infrastructure at the Solid State Phased Array Radar (SSPARS) facility to support 30 day emergency operations. In addition to the fuel storage, new security fences and entry control facility will

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

1. COMPONENT AIR FORCE	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
CLEAR AIR FORCE STATION CLEAR AIR FORCE STATION SITE # 1 ALASKA	EMERGENCY POWER PLANT FUEL STORAGE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
31476	124-134	1596/DXEB133001	11,500

be constructed to surround the tanks and meet current Protection Level requirements. The expanded area will require moving and adding to existing parking and a road will be needed for fuel trucks to access the new tank farm. The new perimeter also requires relocating a drainage pond to facilitate the new fence line.

CURRENT SITUATION: Existing fuel farm can not support mission requirement for 30 days of operation. Fencing does not meet current security requirements and constrains the solid State Phased Array Radar (SSPARS) site too much to construct the required fuel tanks and expanded Missile Defense Agency and Enhanced Polar Systems activities.

IMPACT IF NOT PROVIDED: Operational mission requirements will not be met without adequate back-up power availability. The expanded fencing is required to provide necessary security and allow room for the fuel tanks. The drainage pond also needs to be relocated to make room for the fuel tanks.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for satisfying this requirement indicates that only one option will meet mission needs. Therefore, a complete economic analysis was not performed. A certificate of exemption 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 UFC 1-200-02, dated 1 March 2013. Base Civil Engineer: (719) 556-7631.

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 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CLEAR AIR FORCE STATION CLEAR AIR FORCE STATION SITE # 1 ALASKA	EMERGENCY POWER PLANT FUEL STORAGE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
31476	124-134	1596/DXEB133001	11,500

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	28-MAR-13
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2014	15%
* (d) Date 35% Designed	30-OCT-13
(e) Date Design Complete	24-JUN-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 -	
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	690
(b) All Other Design Costs	345
(c) Total	1,035
(d) Contract	920
(e) In-house	115
(4) Construction Contract Award	15 FEB
(5) Construction Start	15 MAY
(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)
SECURITY FENCE SENSORS	3080	15	1,200

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

1. COMPONENT AIR FORCE	**FY 2015 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 0.99

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 13	502	3966	899	119	627		934	6232	907	14,186
END FY 2018	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 13)		1,877,776
c. Authorization Not Yet in Inventory:		87,720
d. Authorization Requested in this Program:	(FY 2015)	26,800
e. Planned in Next Four Years Program:		109,600
f. Remaining Deficiency:		30,000
g. Grand Total:		2,131,896

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2015)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
121-115	F-35 Flightline Fillstands	4	EA	15,600	Design	Build
211-177	F-35 Aircraft Mx Hangar, Sqdn #2	1,741	SM	11,200	Design	Build
		Total		26,800		

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

211-177	F-35 Sq Ops/AMU/Hngr, Sqdn #4 (PTC, Ph 2)	35,500
131-111	Communications Facility	23,000
211-177	F-35 Aircraft Mx Hangar, Sqdn #3	11,400
411-135	F-35 Bulk Fuel Storage (PTC, Phase 2)	6,700
422-275	F-35 Bomb Build-Up Facility	4,800
141-753	F-35 Sqdn Ops/AMU, Sqdn #5 (PTC, Ph 2)	20,800
211-154	F-35 ADAL AMU, Sqdn #6 (PTC, Phase 2)	7,400
	Total	109,600

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

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2015 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 AIRCRAFT MAINTENANCE HANGAR (SQUADRON 2)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27597	211-177	2517/NUEX123001	11,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				6,448
MAINTENANCE HANGAR	SM	1,741	3,631	(6,322)
SUSTAINABILITY AND ENERGY MEASURES	LS			(126)
SUPPORTING FACILITIES				3,375
UTILITIES	LS			(320)
SITE IMPROVEMENTS	LS			(336)
PAVEMENTS	LS			(1,340)
ELECTRICAL FEEDER, SWITCH & BREAKER	LS			(687)
COMMUNICATIONS REQUIREMENTS	LS			(190)
DEMOLITION, VERTICAL	SM	938	109	(102)
ENVIRONMENTAL REMEDIATION	LS			(400)
SUBTOTAL				9,823
CONTINGENCY (5.0%)				491
TOTAL CONTRACT COST				10,314
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				588
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				393
TOTAL REQUEST				11,295
TOTAL REQUEST (ROUNDED)				11,200
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,322)

10. Description of Proposed Construction: Construct a 4 bay Aircraft Maintenance 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. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC 1-200-01). Work will include a new electrical feeder with switch and breaker at substation, High Expansive Foam (HEF) fire suppression system in a facility using a steel-framed structure, concrete slab and foundation system, masonry block exterior walls, and standing seam metal roof. Work will include F-35-unique electrical receptacles at each aircraft position with associated power distribution system, install aircraft cooling units (ACUs) and associated pop-up power and cooling infrastructure at each aircraft position, fall arrest system, and hangar lighting. Demolish three buildings totalling 938 SM. This project will comply with DoD antiterrorism/force protection requirements per UFC 4-010-01.

Air Conditioning: 10 Tons

11. Requirement: 1741 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Construct an F-35 Aircraft Maintenance Hangar. (New Mission)

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

1. COMPONENT AIR FORCE	FY 2015 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 AIRCRAFT MAINTENANCE HANGAR (SQUADRON 2)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27597	211-177	2517/NUEX123001	11,200

REQUIREMENT: An Aircraft Maintenance Hangar is required to support the beddown of the Joint Strike Fighter (JSF) F-35A aircraft. 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 maintenance area for unscheduled aircraft maintenance, latrines and mechanical equipment room required to support the aircraft and mission of the particular squadron. The F-35A requires aircraft cooling provided by ACUs at each aircraft position with special electrical receptacles. These ACU's provide cooled air to heat-sensitive components on the aircraft during maintenance procedures. The hangar will provide 4 spaces for unscheduled maintenance. The facility is required to be operational no later than July 2016, and is thus late to need.

CURRENT SITUATION: The base lacks adequate facilities to conduct squadron level maintenance for the second F-35A squadron mission. The operational squadrons are required to work, train, deploy, and fight as independent squadrons, so the training squadrons at Luke are organized the same way. The current squadron operations and AMU are geographically separated from their hangar maintenance facilities and prevents the squadron from training as a unit. Currently maintainers need to roll their tool carts up to half mile from their AMU to their maintenance hangar.

IMPACT IF NOT PROVIDED: Required maintenance hangar space will not be available for F-35A aircraft maintenance causing delays in sortie generation. Work-arounds do not allow the squadron to train together and significantly impacts the training mission required to support the F-35A program at the Pilot Training Center.

ADDITIONAL: The scope and criteria for this project are contained in the Joint Strike Fighter Facility Requirements Document (FRD) developed by the Lockheed-Martin Aeronautics Company, the design analysis and drawings for the JSF Squad Operations/AMU/Hangar facility developed for Eglin AFB, and Air Force Manual 32-1084, "Facility Requirements". An economic analysis of reasonable options for satisfying this requirement indicates that only one option will meet mission needs, new construction. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development, and construction of the project in accordance with UFC 1-200-02, dated 1 March 2013. Base Civil Engineer: (623)856-6135. Hangar: 1,692 SM=18,216 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 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LUKE AIR FORCE BASE LUKE A F BASE SITE # 1 ARIZONA	F-35 AIRCRAFT MAINTENANCE HANGAR (SQUADRON 2)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27597	211-177	2517/NUEX123001	11,200

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

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

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

(3) All Other Design Costs 448

(4) Construction Contract Award 15 FEB

(5) Construction Start 15 MAR

(6) Construction Completion 16 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 APPRC	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FF&E	3400	16	622
AIRCRAFT COOLING UNITS (4 EA)	3400	16	700

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1. COMPONENT	FY 2015 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 FLIGHTLINE FILLSTANDS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27142	121-115	2517/NUEX103005	15,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				9,447
POL PUMPHOUSE (CAT CODE 125-977)	SM	248	14,112	(3,500)
FUEL TRANSFER LINE (CAT CODE 121-115)	LM	1,829	2,401	(4,391)
FILLSTAND PUMPHOUSE SHELTER (CAT CODE 126-925	SM	515	790	(407)
FILLSTANDS (CAT CODE 126-925)	EA	4	241,000	(964)
SUSTAINABILITY AND ENERGY MEASURES	LS			(185)
SUPPORTING FACILITIES				4,156
PUMPHOUSE SUPPORT	LS			(375)
TAXIWAY CUT/PAVEMENTS	LS			(2,003)
UTILITIES	LS			(986)
GENERATOR	LS			(325)
DEMOLITION, VERTICAL	SM	75	533	(40)
DEMOLITION, HORIZONTAL/ENVIRONMENTAL	LS			(427)
SUBTOTAL				13,603
CONTINGENCY (5.0%)				680
TOTAL CONTRACT COST				14,283
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				814
TOTAL REQUEST				15,097
TOTAL REQUEST (ROUNDED)				15,600
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(245.0)

10. Description of Proposed Construction: Construct four (4) JP-8 truck fillstands adjacent to the aircraft parking ramp using economical design and construction methods to accommodate the mission of the facility. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC 1-200-02). Each truck fillstand shall deliver 600 gallons per minute (GPM) of JP-8 fuel. Work shall include a 2,400 GPM Pump House with a spare pump, a filtration system, fuel supply line piping from the Petroleum, Oil, and Lubricants (POL) pumphouse to flightline fillstands with a hydrostatic leak detection system, a grounding system, concrete ramp with containment and site work, a thermo-management system weather protection shelter, +100 additive tank, additive injection system provided by others, and utilities. All POL facilities must be designed using applicable Service specifications, American Petroleum Institute (API), and National Fire Protection Association (NFPA) Standards, and conform to Occupational Safety and Health Administration (OSHA) requirements, applicable Codes of Federal Regulations (CFR), and EPA, State, and local environmental regulations. This project will comply with DoD antiterrorism/force protection requirements per UFC 4-010-01.

Air Conditioning: 0 Tons

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1. COMPONENT AIR FORCE	FY 2015 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 FLIGHTLINE FILLSTANDS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27142	121-115	2517/NUEX103005	15,600

11. Requirement: 4 EA Adequate: 0 EA Substandard: 0 EA

PROJECT: Construct four (4) JP-8 truck fillstands with 600 GPM fill capability (New Mission)

REQUIREMENT: Four (4) JP-8 truck fill stands are required to beddown the Joint Strike Fighter (JSF) F-35 aircraft based on a fuel load capacity of approximately 2,100 gallons each for the JSF aircraft. Worst case daily flying operations for the JSF are 222 sorties for a total daily JP-8 consumption of approximately 466,000 gallons or 112 million gallons per year. Fill stands are needed in close proximity to the flight line in order to meet the increase in mission requirements.

CURRENT SITUATION: Currently there is no JP-8 fill stand capability in close proximity to the aircraft parking/servicing ramp. Fill stands are located approximately 1.4 miles distance from the aircraft parking/servicing ramp and fuel trucks have to travel base installation roadways to access the flight line area.

IMPACT IF NOT PROVIDED: Constructing a four (4) truck fill-stands near the aircraft parking apron is crucial for fuel availability based on the large number of potential F-35A sorties. Timely fuel support from a truck-only operation is based on availability of refueling vehicles and personnel. One truck transporting 6,000 gallons would be able to service a maximum of two (2) F-35A aircraft (versus four (4) F-16s). The F-35 essentially doubles the number of truck replenishments and times that are currently needed in support of the F-16s based at Luke AFB. The "as is" scenario requires each truck to travel back to the fuel storage area to replenish its tank. The most distant (southernmost) parking spot from/to the fuel storage area (north side of the base) is 1.4 miles or 26 minutes round trip and does not include vehicle movement delays due to taxing aircraft which could significantly impact refueling vehicle turn times. The time it takes to accomplish this travel can reduce the availability and timeliness of fuel to the aircraft which could potentially lead to sortie generation degradation. With fill-stands constructed on the flight-line, driving time to/from the fuel storage area would be reduced to 0.3 miles or 6 minutes round trip keeping refueling vehicles much closer to the aircraft thus increasing availability and drastically decrease refueling vehicle turn-around times. The Economic Analysis examined supporting estimated sorties with and without flightline fillstands and constructing fillstands had the better cost/benefit ratio of $4.3M versus $12.6M and was the least expensive alternative having a net present value of $98M largely due to requiring 35 less manpower positions without fillstands. During construction an interruption of fuels operations will occur when connecting to existing pipeline, bulk fuel tank infrastructure and taxiing aircraft. Delaying construction beyond FY15 will adversely impact F-35 flight operations as sortie ops tempo increases.

ADDITIONAL: The scope of this project was based on the AETC Notional Program Plan (PPlan) for the Potential Beddown of the F-35A Pilot Training Center. 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 best solution. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development, and construction of the project in accordance with UFC 1-200-02, dated 1 March 2013.

1. COMPONENT AIR FORCE	FY 2015 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 FLIGHTLINE FILLSTANDS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27142	121-115	2517/NUEX103005	15,600

Base Civil Engineer: 623-856-6135. POL Pumphouse: 284 SM = 2,646 SF; Fuel Transfer Line: 1,829 LM = 6,000 LF; Fillstand Pumphouse Shelter: 515 SM = 5,500 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 will benefit by this project.

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1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

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

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27142	121-115	2517/NUEX103005	15,600

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	22-MAY-13
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2014	15%
* (d) Date 35% Designed	31-MAR-14
(e) Date Design Complete	30-SEP-14
(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	620
(c) Total	620
(d) Contract	0
(e) In-house	0
(4) Construction Contract Award	15 FEB
(5) Construction Start	15 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:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
+100 INJECTION SYSTEM	3400	2015	245

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1. COMPONENT AIR FORCE	**FY 2015 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
MCCONNELL AFB KANSAS	AIR MOBILITY COMMAND	0.88

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 13	367	2498	420	0	0	0	269	1675	474	5,703
END FY 2018	367	2415	414	0	0	0	269	1673	451	5,589

7. INVENTORY DATA ($000)

Total Acreage: 3,615

Inventory Total as of : (30 Sep 13)	1,525,284
Authorization Not Yet in Inventory:	219,080
Authorization Requested in this Program: FY2015	34,400
Planned in Next Four Years Program	19,650
Remaining Deficiency:	36,100
Grand Total:	1,834,514

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2015)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
171-625	KC-46A FUSELAGE TRAINER	1,212	SM	6,400	Aug-13	Sep-14
141-783	KC-46A ADAL MOB BAG STRG EXPANSION	984	SM	2,300	Aug-13	Sep-14
171-618	KC-46A ADAL REGIONAL MAINT TRNG FAC	5,202	SM	16,100	Design Build	
211-152	KC-46A ALTER COMPOSITE MAINT SHOP	795	SM	4,100	Aug-13	Sep-14
112-211	KC-46A ALTER TAXIWAY FOXTROT	100,255	SM	5,500	Aug-13	Sep-14
			TOTAL	34,400		

9a. Future Projects: Typical Planned Next Four Years

149-962	AIR TRAFFIC CONTROL TOWER		11,200
851-147	KC-46A ALT RDS, PRKG LOTS, UTILITIES		2,650
171-212	KC-46A ALTER FLIGHT SIMULATORS BLDGS		1,050
112-211	KC-46A ALTER TAXIWAY DELTA		4,750
		TOTAL	19,650

9b. Real Property Maintenance Backlog This Installation ($M) 180

10. MISSION OR MAJOR FUNCTIONS: The 22nd Air Refueling Wing (ARW) is the host unit at McConnell AFB, which is also home to the 184 ARW and 931 ARG. The wing's primary mission is to provide Global Reach by conducting air refueling and airlift when and wherever needed. To do this, the wing is charged to develop and maintain the capability to conduct air-refueling operations supporting command objectives in any part of the world, in any condition or climate.

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 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
MCCONNELL AIR FORCE BASE MCCONNELL SITE # 1 KANSAS	KC-46A ADAL MOBILITY BAG STORAGE EXPANSION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41221	141-786	2786/PRQE155118	2,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				1,511
HEATED STORAGE ADDITION	SM	743	1,804	(1,340)
ALTER EXISTING STORAGE BLDG	SM	241	596	(144)
SUSTAINABILITY AND ENERGY MEASURES	LS			(27)
SUPPORTING FACILITIES				582
COMMUNICATIONS	LS			(236)
UTILITIES	LS			(75)
PAVEMENT	LS			(119)
SITE IMPROVEMENTS	LS			(152)
SUBTOTAL				2,093
CONTINGENCY (5.0%)				105
TOTAL CONTRACT COST				2,197
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				125
TOTAL REQUEST				2,323
TOTAL REQUEST (ROUNDED)				2,300
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(390.0)

10. Description of Proposed Construction: This project will provide KC-46A ADAL Mobility Bag Storage Expansion. Primary facility includes an insulated fascia, roof addition to open high bay storage warehouse to match existing building, concrete foundations, utilities, heating, ventilation, lighting, wet-pipe fire suppression, and fire detection using existing reporting system. Site work includes site drainage, pavements demolition, pavement repairs, and communications support. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC 1-200-01). This project will comply with DoD antiterrorism/force protection requirements per UFC 4-010-01.

Air Conditioning: 10 Tons

11. Requirement: 3007 SM Adequate: 2023 SM Substandard: 241 SM

PROJECT: KC-46A ADAL Mobility Bag Storage Expansion

REQUIREMENT: A properly sized and configured high bay storage space to house mobility storage in support of the deployability of KC-46A crews, cargo and personnel. Warehouse space will be added to an existing, insufficiently sized mobility storage warehouse that is connected to an existing mobility processing facility. It will contain storage handling equipment designed to support equipment accountability, rapid inspection of bags, and quick processing of mobility equipment distribution to deploying airmen.

CURRENT SITUATION: The base's main warehouse facility is being demolished and all equipment, assets, goods, material, personnel, and functions including a secondary mobility bag storage space, moved to a different facility. With selection of the

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1. COMPONENT AIR FORCE	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
MCCONNELL AIR FORCE BASE MCCONNELL SITE # 1 KANSAS	KC-46A ADAL MOBILITY BAG STORAGE EXPANSION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41221	141-786	2786/PRQE155118	2,300

base as candidate location to beddown the KC-46, a requirement for a physically segregated warehouse area for the management of contractor-owned spares to support the Interim Contractor Support (ICS) period at the Main Operating Base (MOB) was generated. The contractor also requires access to computer systems, data processing room, and office and storage space for their cadre of contractors that will support the operations and maintenance of the new aircraft. This contractor-controlled area with their personnel and functions need to be collocated with the active duty supply and maintenance operation. To allocate this space, the mobility bags storage function will relocate to the base main processing facility where other mobility bags assets are being stored. There are no other available facilities that meet the space and security requirements for this function. This move will facilitate providing the space requirement for the contractor, and will enable consolidating mobility bags storage/operation in one state-of-the-art processing facility to support the efficient deployment of the entire Wing. An addition to the main processing facility is required.

IMPACT IF NOT PROVIDED: Due to lack of available high-bay warehouse space on base, the MOBAG storage will be scattered in multiple facilities away from the main mobility processing facility. These locations will require alterations/additions to make them secure for accountability purposes at a possible higher cost and will result in a more cumbersome and inefficient processing of mobility personnel and their equipment.

ADDITIONAL: This project meets applicable criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements." 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 best solution. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development, and construction of the project in accordance with UFC 1-200-02 dated 1 March 2013. Base Civil Engineer: Commercial (316) 759-5750. (KC-46A Mobility Bag Storage: 743 SM = 8000 SF)

JOINT USE CERTIFICATION: This space 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 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MCCONNELL AIR FORCE BASE MCCONNELL SITE # 1 KANSAS	KC-46A ADAL MOBILITY BAG STORAGE EXPANSION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41221	141-786	2786/PRQE155118	2,300

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	02-AUG-13
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2014	35%
* (d) Date 35% Designed	01-JAN-14
(e) Date Design Complete	05-SEP-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	129
(b) All Other Design Costs	65
(c) Total	194
(d) Contract	161
(e) In-house	32
(4) Construction Contract Award	15 MAR
(5) Construction Start	15 MAR
(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)
A6 COMM (E-SWITCH)	3400	2016	20
USER COMM (PHONES)	3400	2016	120
EQUIPMENT SHELVING	3400	2016	250

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1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
MCCONNELL AIR FORCE BASE MCCONNELL SITE # 1 KANSAS	KC-46A ADAL REGIONAL MAINTENANCE TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41221	171-618	2786/PRQE155120	16,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				12,151
ADD TO REGIONAL MAINTENANCE TRAINING FACILITY	SM	3,466	3,121	(10,817)
ALTER REGIONAL MAINTENANCE TRAINING FACILITY	SM	1,756	624	(1,096)
SUSTAINABILITY AND ENERGY MEASURES	LS			(238)
SUPPORTING FACILITIES				1,871
COMMUNICATIONS	LS			(363)
PAVEMENTS	LS			(949)
SITE IMPROVEMENTS	LS			(249)
UTILITIES	LS			(310)
SUBTOTAL				14,022
CONTINGENCY (5.0%)				701
TOTAL CONTRACT COST				14,723
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				839
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				561
TOTAL REQUEST				16,123
TOTAL REQUEST (ROUNDED)				16,100)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(145,900

10. Description of Proposed Construction: The project will construct a multi-story facility addition and renovate an existing building to provide five high bay areas for airframe maintenance training devices, parts storage, briefing rooms, classrooms, mechanical room, computer room, restrooms, administrative areas, electrical/mechanical, and fire protection detection/suppression systems. The existing buildings' fire detection and suppression, electrical, mechanical, and HVAC systems will be upgraded and where necessary existing walls, doors and partitions will be relocated to provide properly sized and configured classrooms, offices, and restrooms. Also included are all associated utility site work, communications support, environmental controls, pavements, parking area, exterior lighting, and landscaping. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC 1-200-01). This project will comply with DoD antiterrorism/force protection requirements per UFC 4-010-01.

Air Conditioning: 100 Tons

11. Requirement: 5222 SM Adequate: 0 SM Substandard: 1756 SM

PROJECT: KC-46A ADAL Regional Maintenance Training Facility (New Mission)

REQUIREMENT: The first aircraft deliveries are expected during the second quarter of FY16 and an adequate facility properly sized and configured to house KC-46A Maintenance Training Devices (MTD) and associated equipment is required. This facility will house large scale mock-ups, classrooms and training devices (hardware or computer based) to provide specialized hands-on training to enhance learning,

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1. COMPONENT AIR FORCE	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
MCCONNELL AIR FORCE BASE MCCONNELL SITE # 1 KANSAS	KC-46A ADAL REGIONAL MAINTENANCE TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41221	171-618	2786/PRQE155120	16,100

facilitate the development of skills, and permit the practice of proper procedures necessary for the maintenance of integrated systems of the KC-46A aircraft. This on-site training facility is essential to provide initial and on-going training methods that will otherwise not be available through other training avenues.

CURRENT SITUATION: The KC-46A is a new aircraft and there are no facilities in the Air Force capable of providing this type of training operations for this weapon system. Existing facilities do not meet the required size and cannot be modified to accept all the new aircraft training equipment. The new facility will provide a controlled training environment to receive formal instruction, avoiding the use of mission-ready aircraft for on-the-job training which reduce operational assets available for the warfighter and incurs higher fuel costs.

IMPACT IF NOT PROVIDED: Without this facility AMC will not be able to provide the required maintenance training for the new KC-46A aircraft. The lack of this addition and alteration to an existing facility will greatly increase training costs and require the use of operational aircraft for maintenance training, which would otherwise be assigned to operational missions. This places active KC-46A assets at risk of damage due to training accidents and higher fuel costs. There are no other facilities available to accommodate this requirement to support the new mission and no workarounds.

ADDITIONAL: This project meets applicable criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements." 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 best solution. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development, and construction of the project in accordance with UFC 1-200-02, dated 1 March 2013. Base Civil Engineer: Commercial (316) 759-5750. KC-46A Regional Maintenance Training Facility: New Construction: 3,466 SM = 37,308 SF and Alter 1756 SM = 18,912 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 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MCCONNELL AIR FORCE BASE MCCONNELL SITE # 1 KANSAS	KC-46A ADAL REGIONAL MAINTENANCE TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41221	171-618	2786/PRQE155120	16,100

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 - Developed for KC-46A

(3) All Other Design Costs 561

(4) Construction Contract Award 15 MAR

(5) Construction Start 15 MAR

(6) Construction Completion 16 AUG

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPRC	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
KC-46A MX TRAINING DEVICES	3010	2016	53,900
KC-46A MX TRAINING DEVICES	3010	2017	86,800
CLASSROOM & OFFICE FURNITURE	3400	2016	3,400
COMM (SWITCHES AND EQUIPMENT)	3080	2016	1,800

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1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
MCCONNELL AIR FORCE BASE MCCONNELL SITE # 1 KANSAS	KC-46A ALTER COMPOSITE MAINTENANCE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41221	211-152	2786/PRQE155121	4,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				3,414
ALTER BUILDING	SM	1,263	2,650	(3,347)
SUSTAINABILITY AND ENERGY MEASURES	LS			(67)
SUPPORTING FACILITIES				281
DRAINAGE UPGRADE	LS			(71)
COMMUNICATIONS	LS			(120)
UTILITIES	LS			(40)
PAVEMENTS	LS			(30)
SITE PREP	LS			(20)
SUBTOTAL				3,695
CONTINGENCY (5.0%)				185
TOTAL CONTRACT COST				3,880
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				221
TOTAL REQUEST				4,101
TOTAL REQUEST (ROUNDED)				4,100
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(200.0)

10. Description of Proposed Construction: Insulated metal wall panels, utilities upgrades. Includes shop administration area, preparation and repair area, lay-up/curing room, walk-in freezer, spray booth, storage areas for tools, supplies and equipment, storage for hazardous materials. Also includes wet-pipe fire suppression, site drainage work, pavement repairs and communications support. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC 1-200-01).This project complies with DoD antiterrorism/force protection requirements per unified facilities criteria.

Air Conditioning: 50 Tons

11. Requirement: 3596 SM Adequate: 2801 SM Substandard: 6049 SM

PROJECT: KC-46A Alter Composite Maintenance Shop (New Mission)

REQUIREMENT: A properly sized and configured space to house the composite maintenance component of the aircraft maintenance shops (AMS) in support of the KC-46A. The shop will support the repair and maintenance of composite and fiberglass components of the KC-46A aircraft. The minimum facility requirements for a KC-46A composite maintenance shop include a shop administration area with restroom/locker room, space large enough to accommodate large aircraft parts and support preparation and repair operations. The facility must also accommodate the lay-up and curing of volatile liquid adhesive/fabric repairs. The shop will contain storage space, special hazardous material storage, a walk-in freezer and curing ovens. A monorail system with 1/2 ton hoist is required to move heavy parts. Special ventilation to exhaust fumes and a filtration system to allow re-

1. COMPONENT AIR FORCE	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
MCCONNELL AIR FORCE BASE MCCONNELL SITE # 1 KANSAS	KC-46A ALTER COMPOSITE MAINTENANCE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41221	211-152	2786/PRQE155121	4,100

circulation of process fumes is required for personnel safety and energy efficiency. Special electrical wiring is required due to highly volatile off-gasses involved in the composite repair and fiberglass repair processes.

CURRENT SITUATION: A KC-135 aircraft maintenance shop already exists and is of sufficient size to support KC-46A component repairs with the exception of the composite maintenance operation which requires a larger space due to the larger composite components of the new aircraft.

IMPACT IF NOT PROVIDED: Without a composite maintenance shop, AMC will not be able to provide safe and timely repairs to composite aircraft components. Any work-arounds would jeopardize safety of airman engaged in repair and compromise the quality of repairs, thus placing the aircrews and aircraft at risk. It will also negatively impact availability of aircraft for flying operations.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Manual 32-1084 "Facility Requirements". 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 best solution. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development, and construction of the project in accordance with UFC 1-200-02, dated 1 March 2013. Base Civil Engineer: Commercial (316) 759-5750. KC-46A Composite Maintenance Shop: 795 SM = 8,557 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 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MCCONNELL AIR FORCE BASE MCCONNELL SITE # 1 KANSAS	KC-46A ALTER COMPOSITE MAINTENANCE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41221	211-152	2786/PRQE155121	4,100

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	02-AUG-13
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2014	35%
* (d) Date 35% Designed	02-JAN-14
(e) Date Design Complete	05-SEP-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	129
(b) All Other Design Costs	65
(c) Total	194
(d) Contract	161
(e) In-house	32
(4) Construction Contract Award	15 MAR
(5) Construction Start	15 MAR
(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)
MONO RAIL HOIST SYSTEM	3400	2016	25
FURNITURE	3400	2016	75
A6 COMM (SWITCHES)	3400	2016	20
USER COMM (PHONE)	3400	2016	80

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1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
MCCONNELL AIR FORCE BASE MCCONNELL SITE # 1 KANSAS	KC-46A ALTER TAXIWAY FOXTROT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41221	112-211	2786/PRQE155124	5,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
ALTER TAXIWAY FOXTROT				4,169
REPAIR TAXIWAY (112211)	SM	63,070	30	(1,892)
ASPHALT SHOULDER (116642)	SM	37,185	32	(1,190)
TAXIWAY LIGHTING AND CABLING (136667)	M	9,760	103	(1,005)
SUSTAINABILITY AND ENERGY MEASURES	LS			(82)
SUPPORTING FACILITIES				791
UTILITIES	LS			(100)
SITE PREPARATION	LS			(300)
AIRFIELD MARKING AND SIGNAGE	LS			(391)
SUBTOTAL				4,960
CONTINGENCY (5.0%)				248
TOTAL CONTRACT COST				5,208
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				297
TOTAL REQUEST				5,505
TOTAL REQUEST (ROUNDED)				5,500

10. Description of Proposed Construction: Alter existing taxiway pavement, repair existing and install new taxiway shoulders and repair and install new taxiway edge lighting. Repair frangibility violations and install new directional signage. Project will comply with DoD antiterrorism/force protection requirements identified in the DoD Unified Facilities Criteria.

11. Requirement: 65935 SM Adequate: 2865 SM Substandard: 68974 SM

PROJECT: KC-46A Alter Taxiway Foxtrot (New Mission)

REQUIREMENT: The first KC-46A tanker aircraft are expected to arrive the second quarter of FY16, with a total beddown of 36 Primary Assigned Aircraft (PAA). An airfield compliant with UFC 3-260-1, Airfield and Heliport Planning and Design Criteria and UFC 3-535-01, Design Standards for Visual Air Navigation is a necessity. This project will provide a safe, maintainable and functional taxiway with paved shoulders meeting current UFC requirements.

CURRENT SITUATION: Taxiway Foxtrot does not comply with UFC criteria for shoulders (25 feet) and edge lighting. No shoulders exist for 40 percent (3,000 feet) of the taxiway length and the remaining existing shoulders are either too narrow (12 feet) or too wide (50 feet). No taxiway edge lighting exists for 67 percent (5,100 feet) of the taxiway length and the remaining existing lights are incorrectly spaced and offset from the taxiway edge. These UFC violations limit the use of Taxiway Foxtrot to daylight or towed aircraft movements. The existing taxiway concrete slabs have reflective and distress cracking with Pavement Condition Index (PCI) ratings of Fair to Good. Existing signage is not sufficiently lighted, frangible nor optimally located.

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1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
MCCONNELL AIR FORCE BASE MCCONNELL SITE # 1 KANSAS	KC-46A ALTER TAXIWAY FOXTROT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41221	112-211	2786/PRQE155124	5,500

IMPACT IF NOT PROVIDED: Taxiway Foxtrot will rapidly deteriorate under intensive KC-46A wheel loading and Kansas freeze/thaw weather conditions. Foreign object damage will become probable as maintenance crews provide temporary repairs. Lack of consistent edge lighting clearance and unreliable lighting that is in poor condition will continue to add to the risk of flying operations, especially under adverse weather conditions. Large scale maintenance of pavement surfaces will be continuously required. Taxiway configuration that is not compliant with UFC requirements will continue to add confusion to pilots and increase the operational risk of flying operations under adverse weather conditions.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Manual 32-1084, Facility Requirements. An economic analysis of reasonable options was prepared for comparing alternatives of status quo, renovation, addition/alteration, and new construction. New construction was found to be the best solution. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development, and construction of the project in accordance with UFC 1-200-02, dated 1 March 2013. Base Civil Engineer: Commercial (316) 759-5750. (Taxiway: 63,070 SM = 75,431 SY)

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 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MCCONNELL AIR FORCE BASE MCCONNELL SITE # 1 KANSAS	KC-46A ALTER TAXIWAY FOXTROT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41221	112-211	2786/PRQE155124	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 - YES
(b) Where Design Was Most Recently Used - Developed for KC-46A

(3) All Other Design Costs 312

(4) Construction Contract Award 15 MAR

(5) Construction Start 15 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:
N/A

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1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
MCCONNELL AIR FORCE BASE MCCONNELL SITE # 1 KANSAS	KC-46A FUSELAGE TRAINER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41221	171-625	2786/PRQE145118	6,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				3,742
FUSELAGE TRAINER FACILITY (171625)	SM	970	3,142	(3,048)
COVERED TRAINING STORAGE (171627)	SM	242	2,567	(621)
SUSTAINABILITY AND ENERGY MEASURES	LS			(73)
SUPPORTING FACILITIES				2,056
ENVIRONMENTAL REMEDIATION	LS			(500)
UTILITIES	LS			(260)
COMMUNICATIONS	LS			(666)
PAVEMENTS	LS			(343)
SITE IMPROVEMENTS	LS			(277)
DEMOLITION	SM	16	706	(11)
SUBTOTAL				5,798
CONTINGENCY (5.0%)				290
TOTAL CONTRACT COST				6,088
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				347
TOTAL REQUEST				6,435
TOTAL REQUEST (ROUNDED)				6,400
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(21,190.0)

10. Description of Proposed Construction: Construct a high-bay training facility. Primary facilities consist of a cargo load building, training rooms, break room, and storage including foundation, floor slab, framing, walls, roof, utilities, detection/protection features, and security enhancements. Supporting facilities includes all associated utilities, site work, communications support, pavements, parking area, cargo yard, landscaping, and environmental remediation. This project demolishes one building totaling 16 square meters that is in the construction footprint. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC 1-200-01). This project will comply with DoD antiterrorism/force protection requirements per UFC 4-010-01.

Air Conditioning: 40 Tons

11. Requirement: 1212 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: KC-46A Fuselage Trainer (New Mission)

REQUIREMENT: A fuselage trainer (high bay cargo load) facility adequately sized, and configured with KC-46A fuselage assemblies for cargo load operations training. Facility will enable enterprise training and beddown of three KC-46A flying squadrons scheduled with aircraft delivery beginning in FY16. Requires space for aircraft fuselage with egress slide, sprinkler system inside and under the devise, cargo yard, parts storage, training equipment, classrooms, mechanical room, computer room, and offices. Facility includes two separate training rooms each

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1. COMPONENT AIR FORCE	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
MCCONNELL AIR FORCE BASE MCCONNELL SITE # 1 KANSAS	KC-46A FUSELAGE TRAINER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41221	171-625	2786/PRQE145118	6,400

with direct access to the training bay, showers in both male and female restrooms, a break room, roll-up doors, and access to airfield.

CURRENT SITUATION: The KC-46A is a new aircraft and there are no existing fuselage facilities capable of providing fuselage training for this weapon system. The fuselage trainer is a KC-46A fuselage (120ft in length by 25ft wide), without the wings, tail, and cockpit that is used for cargo load planning and configuration training, and for converting interior to support passenger, aero medical evacuation, and/or to cargo alignments.

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 training or operational missions for on-the-job training. This will place active KC-46A assets at higher risk of damage due to training accidents. On-the-job training will also result in higher fuel costs to the AF.

ADDITIONAL: This project meets applicable criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements." 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 best solution. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development, and construction of the project in accordance with UFC 1-200-02, dated 1 March 2013. Base Civil Engineer: Commercial (316) 759-5750. KC-46A Fuselage Trainer: 1,212 SM = 13,046 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 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MCCONNELL AIR FORCE BASE MCCONNELL SITE # 1 KANSAS	KC-46A FUSELAGE TRAINER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41221	171-625	2786/PRQE145118	6,400

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	01-AUG-13
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2014	35%
* (d) Date 35% Designed	01-JAN-14
(e) Date Design Complete	05-SEP-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	414
(b) All Other Design Costs	207
(c) Total	621
(d) Contract	518
(e) In-house	104
(4) Construction Contract Award	15 MAR
(5) Construction Start	15 MAR
(6) Construction Completion	16 AUG

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FUSELAGE TRAINER	3080	2014	20,000
FURNITURE	3400	2016	800
COMMUNICATIONS/AUDIOV EQUIP	3080	2016	250
A6 COMMUNICATIONS (SWITCH)	3400	2016	20
USER COMM (PHONES)	3400	2016	120

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1. COMPONENT AIR FORCE	**FY 2015 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 13	273	205	794	NA	NA	NA	NA	NA	NA	1,272
End of FY 2018	330	262	851	NA	NA	NA	NA	NA	NA	1,443

7. INVENTORY DATA ($000)

a. Total Acreage:	5,102		
b. Inventory (PRV) Total as of : (30 Sep 13)			2,939,429
c. Authorization Not Yet in Inventory:			85,000
d. Authorization Requested in this Program:		(FY2015)	166,000
e. Planned in Next Four Years Program:			105,700
f. Remaining Deficiency:			0
g. Grand Total:			3,296,129

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2015)

CATEGORY CODE	PROJECT TITLE	SCOPE	UNIT	COST $,000	DESIGN START	STATUS CMPL
141-454	CYBERCOM JOINT OPS CENTER-INC 2	22,408	SM	166,000	Dec-11	Sep-13
		Total		166,000		

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

CATEGORY CODE	PROJECT TITLE	COST $,000
141-454	CYBERCOM JOINT OPS CENTER-	105,700
	Total	105,700

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

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2015 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 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
11830	141-454	5004/PAYZ130011B	AUTH: 0 APPR: 166,000

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 2015 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 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
11830	141-454	5004/PAYZ130011B	AUTH: 0 APPR: 166,000

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 2015 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 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
11830	141-454	5004/PAYZ130011B	AUTH: 0 APPR: 166,000

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 was provided in FY14 with an appropriation of $85M. FY15 appropriation request is $166M. Future appropriation request for 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.

1. COMPONENT	FY 2015 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 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
11830	141-454	5004/PAYZ130011B	AUTH: 0 APPR:166,000

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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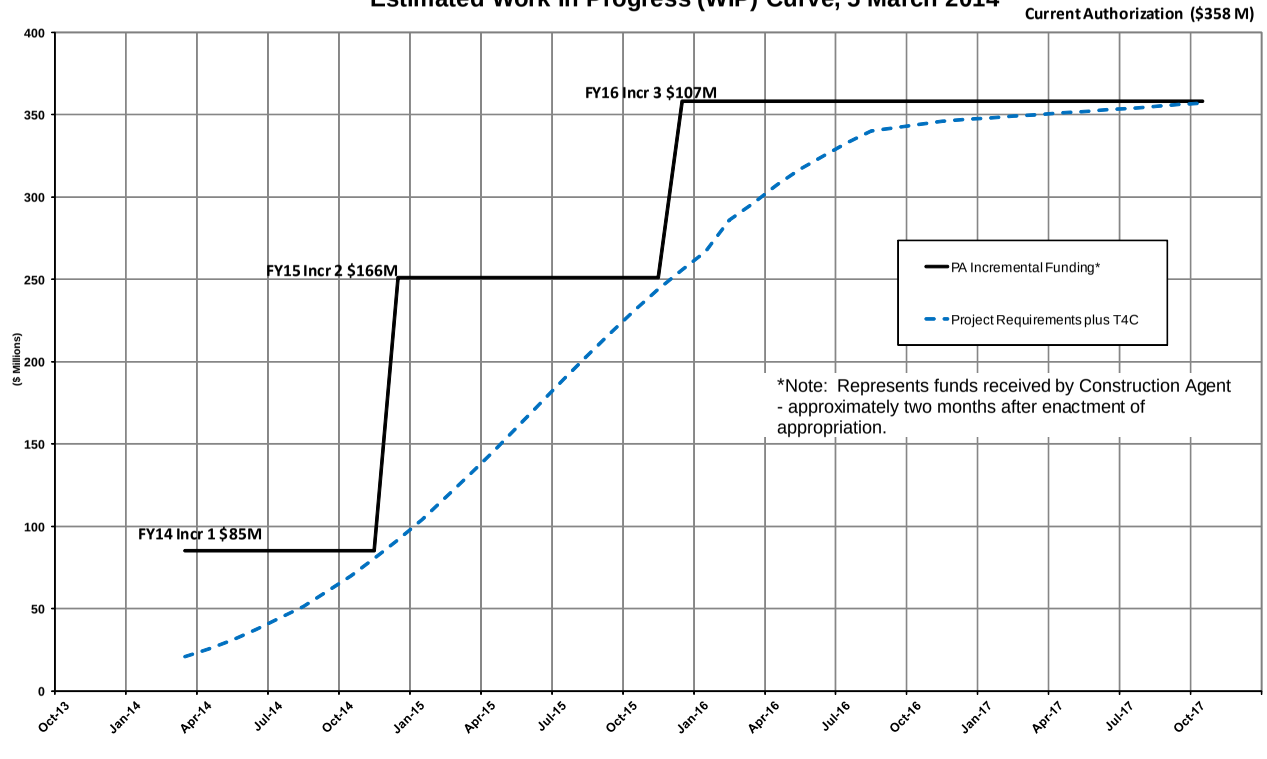
US Army Corps of Engineers

USCYBERCOM Joint Operations Center (JOC) Ft Meade - Estimated Work In Progress (WIP) Curve, 5 March 2014



1. COMPONENT AIR FORCE	FY 2015 MILITARY CONSTRUCTION PROGRAM	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONST
HANSCOM AIR FORCE BASE MASSACHUSETTS	AIR FORCE MATERIEL COMMAND	COST INDEX 1.23

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 Sep 13	626	298	1,838	0	0	0	61	38	20	2,881
END FY 2018	608	303	1,886	0	0	0	60	38	20	2,915

7. INVENTORY DATA ($000)

Total Acreage: 846

Inventory Total as of 30 Sep 2013:		1,704,294
Authorization Not Yet in Inventory:		0
Authorization Requested in this Program ($000):	(FY 2015)	13,500
Planned in Next Three Years Program ($000):		18,500
Remaining Deficiency ($000):		723,800
Grand Total:		2,454,094

8. PROJECTS REQUESTED IN THIS PROGRAM (FY 2015)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
721-312	Dormitory (72 Rm)	2,600 SM	13,500	Design Build	
		Total	13,500		

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

CATEGORY CODE	PROJECT TITLE		COST $,000
730-832	Construct Vandenberg Gate Complex		18,500
		Total	18,500

9b. Real Property Maintenance Backlog This Installation ($M 76.2

10. Mission or Major Functions: AFLCMC provides the latest in command and control and information systems for various weapons platforms including the E-3 AWACS and E-8 Joint STARS; an Air Force Research Laboratory research site location for the space vehicles directorate; an air base group and recruiting group.

11. Outstanding pollution and Safety (OSHA) Deficiencies:

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

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1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
HANSCOM AIR FORCE BASE HANSCOM AFB SITE # 1 MASSACHUSETTS	DORMITORY (72 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
72976	721-312	2487/MXRD083002	13,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITY				8,108
DORMITORY (72 RM)	SM	2,376	3,340	(7,936)
SUSTAINABILITY AND ENERGY MEASURES	LS			(172)
SUPPORTING FACILITIES				3,605
PAVEMENTS	LS			(750)
UTILITIES	LS			(875)
SITE IMPROVEMENT	LS			(650)
COMMUNICATION	LS			(240)
DEMOLISH	SM	4,846	225	(1,090)
SUBTOTAL				11,713
CONTINGENCY (5.0%)				586
TOTAL CONTRACT COST				12,299
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				701
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				469
TOTAL REQUEST				13,468
TOTAL REQUEST (ROUNDED)				13,500)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(495

10. Description of Proposed Construction: Construct a 72 room dormitory utilizing economical design and construction methods compatible with applicable DoD, Air Force, and the base design standards. In addition;local materials and construction techniques shall be used where economical. Includes all utilities and connections, site development, pavement, lighting, parking, storm drainage, information systems, and all other supporting facilities. The facility will be designed as permanent construction in accordance with DoD Unified Facilities Criteria - UFC 1-200-01. Demolish two facilities totalling 4,846 SM. This project will comply with DoD Antiterrorism/ Force Protection requirement per UFC 4-010-01.

Air Conditioning: 75 Tons Grade Mix: E1-E4 72

11. Requirement: 72 RM Adequate: 0 RM Substandard: 148 RM

PROJECT: Construct a dormitory (72 RM). (Current Mission)

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

CURRENT SITUATION: The existing dormitory was constructed in 1955, renovated in

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1. COMPONENT AIR FORCE	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
HANSCOM AIR FORCE BASE HANSCOM AFB SITE # 1 MASSACHUSETTS	DORMITORY (72 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
72976	721-312	2487/MXRD083002	13,500

1997, and is now rapidly deteriorating. The building systems are in poor condition and beyond the stage of economic repairs. The exterior brick facade is falling off. The electrical wiring in the building is the original wiring from 1955. Mulitple times during each week, the faulty wiring causes a short in various fluorescent ceiling lights. The circuit breakers are constantly being tripped in the laundry rooms due to faulty electric wiring. The residents have to live with the constant presence of insects in the bathroom. The entrances do not meet security requirements for resident access and entry. The windows are deteriorating and the locks on the windows do not work. This poses a security threat to the resident bedrooms and the common areas.

IMPACT IF NOT PROVIDED: Adequate living quarters which provide a level of privacy required for today's Airmen will not be available, resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. The quality of life of the Airmen will be diminished. The Airmen will not have adequate living quarters to accomplish their mission. The Airmen will be living in unsightly conditions without adequate security and Life and Safety issues will arise as the buildings continue to deteriorate.

ADDITIONAL: This project meets the criteria/scope in the Air Force Manual 32-1084, "Facility Requirements", the Dorm-4-Airmen Design Guide, and the AF Dorm Master Plan. The requirments for this dorm is based on the Air Force "FY2012-2016 Dorm Master Plan". Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, devlopment, and construction of the project in accordance with UFC 1-200-02, dated 1 March 2013. 2013 unaccompanied housing RPM conducted : $24,000; FY2014 unaccompanied RPM planned: $26,000. Future unaccompanied housing RPM planned: FY15: $30,000, FY16: $32,000. Base Civil Engineer: (781) 225-2999. Dormitory: 2,376 SM = 25,566 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 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HANSCOM AIR FORCE BASE HANSCOM AFB SITE # 1 MASSACHUSETTS	DORMITORY (72 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72976	721-312	2487/MXRD083002	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 560

(4) Construction Contract Award 15 FEB

(5) Construction Start 15 MAR

(6) Construction Completion 16 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 APPRC	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNITURE	3400	2016	300
KITCHENETTES	3400	2016	91
MAIL CENTERS, LAUNDRY ROOMS	3400	2016	18
COMMUNICATIONS	3080	2016	86

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1. COMPONENT AIR FORCE	**FY 2015 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST
OFFUTT AIR FORCE BASE, NEBRASKA	AIR COMBAT 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 13	724	2899	1310	81	18	0	409	1366	1,482	8,289
END FY 2018	724	2899	1310	81	18	0	409	1366	1482	8,289

7. INVENTORY DATA ($000)

a. Total Acreage:	3,212	
b. Inventory Total as of : (30 Sep 13)		2,026,929
c. Authorization Not Yet in Inventory:		394,400
d. Authorization Requested in this Program:	(FY 2015)	180,000
e. Planned in Next Four Years Program:		34,000
f. Remaining Deficiency:		265,000
g. Grand Total:		2,900,329

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2015)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
610-287	USSTRATCOM Replace Fac. - Incr 4	85,000	SM	180,000	Oct-09	Feb-11
		Total		180,000		

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

721-312	Dormitory (120 RM)		21,000
131-111	Cyber Control Center		13,000
		Total	34,000

9b. Real Property Maintenance Backlog This Installation: 132

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

DD Form 1390, 9 Jul 02

1. COMPONENT	FY 2015 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 4

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	610-287	3100/SGBP100904G	AUTH: 0 APPN: 180,000

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)
BACKUP POWER GENERATION	LS			(4,965)
COMMUNICATIONS	LS			(7,769)
DEMOLITION-BLDGS	SM	16,963	195	(3,314)
SITE IMPROVEMENTS	LS			(13,583)
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 24/7

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1. COMPONENT	FY 2015 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 4

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	610-287	3100/SGBP100904G	AUTH: 0 APPN: 180,000

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	$128.0M
2014		$136.0M	$136.0M
2015		$180.0M	

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1. COMPONENT	FY 2015 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 4

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	610-287	3100/SGBP100904G	AUTH: 0 APPN: 180,000

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 2014	
* (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
COMM/COMPUTER SYSTEM	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
COMM/COMPUTER SYSTEM	3080	2016	99,000

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1. COMPONENT AIR FORCE	FY 2015 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/SGBP100904G	AUTH: 0 APPN: 180,000

COMM/COMPUTER SYSTEM	3080	2016	98,000
COMM/COMPUTER SYSTEM	3080	2017	44,000
COMM/COMPUTER SYSTEM	3400	2018	8,000

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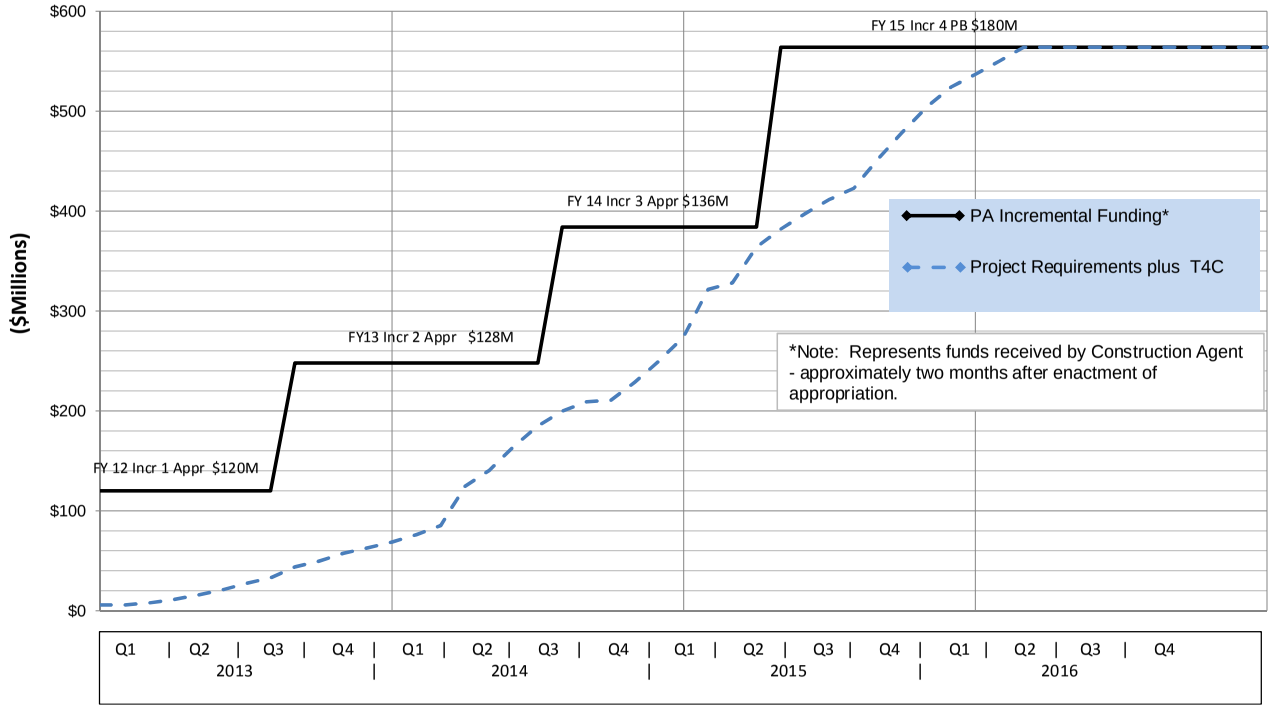
US Army Corps of Engineers

USSTRATCOM - Offutt AFB
Spend Curve - 5 March 2014
48-Month Constr, 4 Year Funding

Current Authorization $564M



1. COMPONENT AIR FORCE	**FY 2015 MILITARY CONSTRUCTION PROGRAM**	2. DATE
3. INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA	4. COMMAND: AIR COMBAT COMMAND	5. AREA CONST COST INDEX 1.17

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 13	1816	7847	912	51	165	0	77	119	182	11,169
END FY 2018	1816	7847	912	51	165	0	77	119	182	11,169

7. INVENTORY DATA ($000)

a. Total Acreage: 14,160		
b. Inventory Total as of : (30 Sep 13)		4,352,353
c. Authorization Not Yet in Inventory:		126,800
d. Authorization Requested in this Program:	(FY 2015)	53,900
e. Planned in Next Four Years Program:		64,250
f. Remaining Deficiency:		291,100
g. Grand Total:		4,888,403

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2015)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
211-111	F-35 Aircraft Mx Unit, 4 Bay Hangar	6,043	SM	31000	Design	Build
171-212	F-22 Flight Simulator Facility	2,229	SM	14000	Design	Build
171-211	F-35 Weapons School Facility	1,512	SM	8900	Design	Build
		Total		53,900		

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

216-142	F-35 Munitions Maintenance Facilities	3,250
113-321	F-35 Airfield Pavements	30,000
113-321	F-35 Live Ordnance Loading Area	31,000
		64,250

9b. Real Property Maintenance Backlog This Installation: ($M) 82

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, F-35A, 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

DD Form 1390, 9 Jul 02

1. COMPONENT	FY 2015 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-22 FLIGHT SIMULATOR FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27138	171-212	3056/RKMF133001	14,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				10,275
FLIGHT SIMULATOR FACILITY	SM	2,229	3,950	(8,804)
FLIGHT SIMULATOR SECURITY REQUIREMENTS	SM	2,229	570	(1,271)
SUSTAINABILITY AND ENERGY MEASURES	SM	2,229	90	(201)
SUPPORTING FACILITIES				1,975
UTILITIES	LS			(257)
SITE IMPROVEMENTS	LS			(248)
PAVEMENTS	LS			(180)
COMMUNICATIONS SUPPORT	LS			(90)
SPECIAL HVAC REQUIREMENTS	LS			(350)
RELOCATE BALLFIELDS	EA	2	425,000	(850)
SUBTOTAL				12,250
CONTINGENCY (5.0%)				613
TOTAL CONTRACT COST				12,863
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				733
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				490
TOTAL REQUEST				14,086
TOTAL REQUEST (ROUNDED)				14,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(35,130

10. Description of Proposed Construction: Construct a F-22 Flight Simulator 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. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC 1-200-01). Facility will include simulator building, fire detection/protection, special security enhancements, specialized heating and air conditioning with temperature and humidity limitations. Supporting facilities include utilities, site improvements, landscaping, pavements, communications support, relocatation of two ballfields and all other necessary work as required. This project will comply with DoD antiterrorism/force protection requirements per UFC 4-010-01.

Air Conditioning: 120 Tons

11. Requirement: 5759 SM Adequate: 3530 SM Substandard: 0 SM

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

REQUIREMENT: Nellis AFB is the designated beddown location for four F-22 Full Mission Trainers (FMTs) in FY17 to support the training of F-22 pilots assigned to the USAF Weapons School and the 422nd Test & Evaluation Squadron at Nellis AFB, NV. F-22 simulators are a critical aspect of flight training and maintaining pilot

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

1. COMPONENT AIR FORCE	FY 2015 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-22 FLIGHT SIMULATOR FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27138	171-212	3056/RKMF133001	14,000

currency. The justification for this project, however, lies not only in the need for Mission Design Series (MDS) specific testing/training, but also in the vision to support COCOM, HAF, MAJCOM directed integrated warfighting endeavors at Nellis including those outlined in the Nellis Live-Virtual-Constructive 2020 White Paper. The facility must provide a virtual and constructive training environment where warfighters can realistically integrate and prepare for combat utilizing a networked hub incorporating 4th and 5th generation fighter simulators, and integration with other CAF assets and classified capabilities. The facility will provide space for four simulator bays, simulator control rooms, classified server room, conference /brief/ debriefing room, restrooms, office and storage areas.

CURRENT SITUATION: Nellis AFB does not have adequate facility space to support the flight simulator devices. All facilities that currently accommodate flight simulators are at capacity supporting existing and projected aircraft. Tyndall AFB is scheduled to receive four F-22 flight simulators in FY14 on an interim basis. Once F-22 flight simulator support facilities are are completed at Nellis AFB in FY17/2, those flight simulators will be tranferred to Nellis AFB. A F-35 Mission Training Center (MTC) is scheduled to be operational at Nellis in 2014 and a co-located F-22 MTC would significantly enhance integrated Weapon School scenarios - allowing the F-35 and F-22 to perform syllabus events with face-to-face brief, execute, and debrief. The requirement to internally network these simulators at Nellis is also desired to overcome security issues and allow full replication across the threat spectrum. Additionally, as outlined in the Nellis LVC White Paper, is the requirement (and vision) to execute integrated F-22/F-35 training, testing and tactics development in a robust full spectrum synthetic battlespace to exercise these synergistic and complementary platforms.

IMPACT IF NOT PROVIDED: Without an adequate flight simulator facility, Nellis AFB will be unable to receive and install the four F-22 FMTs to support F-22 USAF Weapons School, 422 TES pilots and Combat Air Forces (CAF) integration events. The investment in an F-22 MTC facility for Nellis provides returns beyond Nellis based F-22 units training, testing and tactics development - including cross-domain integration and support for a multitude of CAF users.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for satisfying this requirement indicates that only one option will meet mission needs. Therefore, a complete economic analysis was not performed. A certificate of exemption will be 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 UFC 1-200-02, dated 1 March 2013. Base Civil Engineer: (702) 652-4833. Flight Simulator: 2,229 SM = 24,000 SF.

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

1. COMPONENT	FY 2015 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-22 FLIGHT SIMULATOR FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	171-212	3056/RKMF133001	14,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

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

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

(3) All Other Design Costs 560

(4) Construction Contract Award 15 FEB

(5) Construction Start 15 MAR

(6) Construction Completion 16 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 APPRC	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNISHINGS	3400	2015	80
FLIGHT SIMULATOR EQUIPMENT	3080	2014	35,000
COMMUNICATIONS EQIPMENT	3400	2015	50

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1. COMPONENT	FY 2015 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 AIRCRAFT MX UNIT, 4 BAY HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27142	211-111	3056/RKMF143001	31,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				18,932
MAINTENANCE HANGAR (F-35A) (211-111)	SM	2,068	4,095	(8,468)
AIRCRAFT MAINTENANCE UNIT (F-35A) (211-154)	SM	2,125	2,479	(5,268)
AIRCRAFT MAINTENANCE UNIT (F-15E) (211-154)	SM	1,850	2,609	(4,827)
SUSTAINABILITY AND ENERGY MEASURES	SM	6,043	61	(369)
SUPPORTING FACILITIES				8,012
UTILITIES	LS			(525)
SITE IMPROVEMENTS	LS			(560)
PAVEMENTS	LS			(1,311)
HIGH EXPANSION FIRE PROTECTION SYSTEM	LS			(2,500)
COMMUNICATIONS SUPPORT	LS			(850)
DEMOLITION	SM	1,850	475	(879)
TEMPORARY FACILITIES	SM	1,850	750	(1,388)
SUBTOTAL				26,944
CONTINGENCY (5.0%)				1,347
TOTAL CONTRACT COST				28,291
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,613
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				1,078
TOTAL REQUEST				30,981
TOTAL REQUEST (ROUNDED)				31,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(70

10. Description of Proposed Construction: Construct a F-35A Maintenance Hangar/AMU 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. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC 1-200-01). Project includes F-35A Maintenance Hanger, attached AMU, and relocated F-15E AMU. Supporting facilities include fire detection/protection, utilities, landscaping, roads/parking, hangar apron, access roads and parking pavements, lighting and markings, high expansion fire protection system, communications support, demolition of one facility (1,850 SM), temporary facilities during construction and all other necessary support. This project will comply with DoD antiterrorism/force protection requirements per UFC 4-010-01.

Air Conditioning: 50 Tons

11. Requirement: 39055 SM Adequate: 33012 SM Substandard: 0 SM

PROJECT: F-35A Maintenance Hangar/AMU. (New Mission)

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

1. COMPONENT AIR FORCE	FY 2015 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 AIRCRAFT MX UNIT, 4 BAY HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27142	211-111	3056/RKMF143001	31,000

REQUIREMENT: Nellis AFB is the designated beddown location for Force Development and Evaluation, and the USAF Weapon School for the F-35A weapon system. A 4-bay maintenance hangar with an attached Aircraft Maintenance Unit, adequately sized and configured, is required to support the permanent beddown of 24 Primary Training Aircraft beginning FY14/2. The F-35A Hangar/AMU is required to support flightline maintenance for both test and weapon school aircraft and fall under the 57th Maintenance Group. The F-35A is designed with state of the art technology and composite materials to meet stealth mission requirements. Dedicated maintenance facilities are required to maintain these unique, one of a kind systems. Because the Nellis flightline and ramp is at capacity this new facility must be sited over the existing F-15E AMU, forcing their relocation.

CURRENT SITUATION: Nellis AFB does not have flightline facilities to support an additional 24 F-35A aircraft for test, Weapons School and associated maintenance functions. Nellis AFB proper has had significant growth since 2000 with the F-22A Test and Weapon School Beddown (16 aircraft), the F-15/F-16 Aggressor Beddown (48 aircraft) and the 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 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. Due to lack of developable space on the main flightline, this facility is sited on the F-15E AMU that require its relocation and replacement facility. The installation is a critical asset for capabilities and tactics testing of new weapon systems and the training of combat forces. The installation supports a diversity of weapons systems ranging from HH-60s, A-10s, F-15s, F-16s, F-22A, and now the F-35A, all of which support operational test, weapon school and flag exercises.

IMPACT IF NOT PROVIDED: The ability to generate the necessary aircraft sorties to support operational test and weapons school mission requirements will be severely impacted. Without facilities, 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 of development, the impacts will be felt at follow-on locations and may impact or delay initial and/or final operational capability. This project provides critical 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 the criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for satisfying this requirement indicates that only one option will meet mission needs. Therefore, a complete economic analysis was not performed. A certificate of exemption will be 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 UFC 1-200-02, dated 1 March 2013. Base Civil Engineer: (702) 652-4833. Maintenace Hangar: 2,068 SM = 22,260 SF; F-35A

1. COMPONENT	FY 2015 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 AIRCRAFT MX UNIT, 4 BAY HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27142	211-111	3056/RKMF143001	31,000

AMU: 2,125 SM = 22,875 SF; F-15E AMU: 1,850 SM = 19,915 SF.

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

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1. COMPONENT	FY 2015 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 AIRCRAFT MX UNIT, 4 BAY HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27142	211-111	3056/RKMF143001	31,000

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 1,240

(4) Construction Contract Award 15 FEB

(5) Construction Start 15 MAR

(6) Construction Completion 17 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 APPRC	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
COMMUNICATIONS EQUIPMENT	3080	2016	45
FURNISHINGS	3400	2016	25

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1. COMPONENT	FY 2015 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 WEAPONS SCHOOL FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27142	171-211	3056/RKMF123007	8,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				6,517
WEAPONS SCHOOL ADDITION	SM	1,512	2,974	(4,497)
SECURITY REQUIREMENTS	SM	1,512	1,250	(1,890)
SUSTAINABILITY AND ENERGY MEASURES	SM	1,512	86	(130)
SUPPORTING FACILITIES				1,184
UTILITIES	LS			(218)
PAVEMENTS	LS			(276)
SITE IMPROVEMENTS	LS			(240)
COMMUNICATIONS SUPPORT	LS			(450)
SUBTOTAL				7,701
CONTINGENCY (5.0%)				385
TOTAL CONTRACT COST				8,086
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				461
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				308
TOTAL REQUEST				8,855
TOTAL REQUEST (ROUNDED)				8,900)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(130

10. Description of Proposed Construction: Construct an F-35A addition to the Weapons School 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. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC 1-200-01). Project will include a multi-floored addition to existing facility with security measures and sensitive compartmentalized information facilities (SCIF). Supporting facilities include utilities, site improvements, pavements, communications support, landscaping and all other necessary support. This project will comply with DoD antiterrorism/force protection requirements per UFC 4-010-01.

Air Conditioning: 20 Tons

11. Requirement: 13925 SM Adequate: 7948 SM Substandard: 0 SM

PROJECT: Construct F-35A Weapons School Addition. (New Mission)

REQUIREMENT: Adequately sized and configured USAF Weapon School operational training facilities are required to support the beddown of 24 F-35A training aircraft beginning in FY15. The primary mission of the USAF Weapon School is to provide advanced tactics and weapons training for pilots and aircrews for the Combat Air Forces (CAF) who in turn pass on their skill to pilots and aircrews at their home stations. The Nellis training environment includes ranges that provide aircraft operators critically needed simulated and live fire combat employment

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1. COMPONENT AIR FORCE	FY 2015 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 WEAPONS SCHOOL FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27142	171-211	3056/RKMF123007	8,900

scenarios for the F-35A weapons system. This facility provides space for instructors, students, classrooms, mission brief/de-brief rooms, weapons tactics trainers and other training devices. 4,465 SM of requirement to be obtained via Project RKMF113005 Add RPA Weapons School Facilty, which is planned for FY14.

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

IMPACT IF NOT PROVIDED: Lacking adequate training facilities, F-35A pilots and aircrews will not receive critically needed simulated and live fire combat employment training scenarios for their weapon system. Incremental increases in existing USAF Weapons School Divisions requirements and additional new missions will not be accommodated, thus, severely jeopardizing the quality of training provided to combat aircrews by the USAF Weapons School.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for satisfying this requirement indicates that only one option will meet mission needs. Therefore, a complete economic analysis was not performed. A certificate of exemption will be 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 UFC 1-200-02, dated 1 March 2013. Base Civil Engineer: (702) 652-4833. Weapons School Addition: 1,512 SM = 16,300 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 2015 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 WEAPONS SCHOOL FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27142	171-211	3056/RKMF123007	8,900

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	356
(4) Construction Contract Award	15 FEB
(5) Construction Start	15 MAR
(6) Construction Completion	16 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 APPRC	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNISHINGS	3400	2016	80
COMMUNICATIONS EQUIPMENT	3400	2016	50

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1. COMPONENT AIR FORCE	**FY 2015 MILITARY CONSTRUCTION PROGRAM**	2. DATE
3. INSTALLATION AND LOCATION JOINT BASE MCGUIRE DIX LAKEHURST NEW JERSEY	4. COMMAND: AIR MOBILITY COMMAND	5. AREA CONST COST INDEX 1.21

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 13	526	3614	727	450	2909	0	660	3157	296	12,339
END FY 2018	508	3497	726	439	2819	0	660	3161	296	12,106

7. INVENTORY DATA ($000)

a. Total Acreage:	3,660	
b. Inventory Total as of : (30 Sep 13)		2,746,953
c. Authorization Not Yet in Inventory:		15,300
d. Authorization Requested in this Program:	(FY 2015)	5,900
e. Planned in Next Four Years Program:		0
f. Remaining Deficiency:		160,543
g. Grand Total:		2,928,696

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2015)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
730-142	Fire Station	845	SM	5,900	Jul 13	Sep 14
			Total	5,900		

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

Total	0

9b. Real Property Maintenance Backlog This Installation ($M): 125

10. Mission or Major Functions: Team McGuire consists of the Air Mobility Warfare Center, 21st Expeditionary Mobility Task Force, 305th Air Mobility Wing, 514th Air Mobility Wing (Air Force Reserve Command), 108th Air Refueling Wing (New Jersey Air National Guard)

11. Outstanding pollution and Safety (OSHA) Deficiencies:

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

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1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JOINT BASE MCGUIRE DIX LAKEHURST FORT DIX NEW JERSEY	FIRE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41976	730-142	4996/HEKP103001	5,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
FR STN				3,159
FIRE STATION-ONE COMPANY SATELLITE	SM	845	3,600	(3,042)
SUSTAINABILITY/ENERGY MEASURES	LS			(88)
INTERIOR COMMUNICATIONS	LS			(29)
SUPPORTING FACILITIES				2,115
ELECTRIC SERVICE	LS			(154)
WATER, SEWER, GAS	LS			(687)
PAVING, WALKS, CURBS & GUTTERS	LS			(521)
STORM DRAINAGE	LS			(121)
EXTERIOR COMMUNICATIONS	LS			(296)
SITE IMPROVEMENTS	LS			(337)
SUBTOTAL				5,274
CONTINGENCY (5.0%)				264
TOTAL CONTRACT COST				5,538
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				316
TOTAL REQUEST				5,854
TOTAL REQUEST (ROUNDED)				5,900
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(750.0)

10. Description of Proposed Construction: Construct a standard design one company satellite fire station. This facility will include apparatus bays; residential areas; administration areas; training areas; information systems; fire protection/alarm systems; and Energy Monitoring Control Systems (EMCS) connection. Supporting facilities include site development, utilities with connections, lighting, paving, parking, walks, curbs/gutters, storm drainage, information systems, landscaping, and signage. Comprehensive building and furnishings related interior design services are required. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC 1-200-01). This project will comply with DoD antiterrorism/force protection requirements per UFC 4-010-01.

Air Conditioning: 6 Tons

11. Requirement: 845 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Construct a standard design one company satellite fire station (Current Mission).

REQUIREMENT: Risk Assessments have indicated that the response times required by DODI 6055.06, Fire and Emergency Services are exceeded for the range complex and training areas. Therefore, there is no adequate structural fire protection for facilities in the range complex and outlying training areas, including the Contingency Operating Location (COL), Unit Training Equipment Site (UTES), and new

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1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JOINT BASE MCGUIRE DIX LAKEHURST FORT DIX NEW JERSEY	FIRE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41976	730-142	4996/HEKP103001	5,900

Equipment Concentration Site 27 (ECS-27).

CURRENT SITUATION: Although mutual aid agreements are in place with the closest firefighting organizations to the range complex and outlying training areas (Ocean County and Naval Air Warfare Center, Lakehurst), these organizations exceed the required response times for structure fires. Therefore, the requirement for adequate structural fire protection is not currently being met.

IMPACT IF NOT PROVIDED: Failure to provide adequate firefighting capabilities for the range complex and training areas will potentially result in loss of life, loss of facilities, and adverse impact to assigned missions.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. This project has been coordinated with the installation physical
security plan, and all physical security measures are included. This project meets the criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements"; the Air Force Fire Station Facilities Design Guide; and UFC 4-730-10, "Fire Stations." 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 best solution. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development, and construction of the project in accordance with UFC 1-200-02, dated 1 March 2013.. Base Civil Engineer: 609-754-2642. Fire Station: 845 SM = 9,096 SF.

JOINT USE CERTIFICATION: The facility is programmed for joint use by Joint Base McGuire Dix Lakehurst.

1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
JOINT BASE MCGUIRE DIX LAKEHURST FORT DIX NEW JERSEY	FIRE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41976	730-142	4996/HEKP103001	5,900

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	30-JUL-13
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2014	15%
* (d) Date 35% Designed	27-MAR-14
(e) Date Design Complete	25-SEP-14
(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	88
(4) Construction Contract Award	15 FEB
(5) Construction Start	15 APR
(6) Construction Completion	16 AUG

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNISHINGS	3400	2015	750

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1. COMPONENT AIR FORCE	**FY 2015 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:	0.89

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 Sep 13	313	848	12,387	0	0	0	1,049	4,876	1,010	20,483
END FY 2018	313	869	12,127	0	0	0	1,026	4,194	1,068	19,597

7. INVENTORY DATA ($000)

Total Acreage:	5,479	
Inventory Total as of : 30 Sep 13		4,455,515
Authorization Not Yet in Inventory:		38,892
Authorization Requested in this Program:	(FY2015)	111,000
Planned in Next Four Years Program:		228,400
Remaining Deficiency:		120,500
Grand Total:		4,954,307

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2015)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
851-147	KC-46A Depot Maint Complex Support Infra	1	LS	48,000	Design Build	
211-116	KC-46A Two-Bay Depot Maintenance Hangar	12,100	SM	63,000	Design Build	
		Total		111,000		

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

211-116	KC-46A Depot Maintenance Dock	36,500
149-962	Air Traffic Control Tower	12,900
211-256	KC-46A Depot System Integration Lab	17,000
141-764	KC-46A Depot Jet Engine Test Cell	23,000
211-116	KC-46A Depot Maintenance Hangars	139,000
	Tota	228,400

9b. Real Property Maintenance Backlog This Installation ($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 2015 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	KC-46A DEPOT MAINT COMPLEX SUPPORT INFRASTRUCTURE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41221	851-147	3342/WWYK143004	48,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				0
SUPPORTING FACILITIES				42,101
UTILITIES - ELECTRIC	LS			(6,409)
UTILITIES - WATER, SEWER, GAS	LS			(3,296)
STEAM AND CHILLED WATER DISTRIBUTION	LS			(4,695)
PAVING, WALKS, CURB AND GUTTER	LS			(11,287)
STORM DRAINAGE	LS			(1,068)
SITE IMPROVEMENTS	LS			(2,432)
ENVIRONMENTAL RESTORATION	LS			(8,144)
FUEL SYSTEM PIPING	LS			(4,012)
COMMUNICATIONS UTILITIES	LS			(132)
ANTITERRORISM MEASURES	LS			(626)
SUBTOTAL				42,101
CONTINGENCY (5.0%)				2,105
TOTAL CONTRACT COST				44,206
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				2,520
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				1,684
TOTAL REQUEST				48,410
TOTAL REQUEST (ROUNDED)				48,000

10. Description of Proposed Construction: The project will construct Depot Maintenance Complex Support Infrastructure. Facilities include leveling site, storm drainage, environmental remediation, all utility infrastructure systems (electrical, water, sewer, communications, fuel etc.) and all other supporting facilities. Also included is demolition of the existing facilities on the site. Utility systems will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC) 1-200-01. This project will comply with DoD antiterrorism/force protection requirements per UFC 4-010-01.

11. Requirement: LS Adequate: LS Substandard: LS

PROJECT: KC-46A Depot Maint Complex Support Infrastructure. (New Mission)

REQUIREMENT: Tinker AFB currently supports depot maintenance for multiple USAF aircraft. Tinker AFB has been designated for the depot maintenance of the KC-46A aircraft. A depot maintenance complex is required to provide a reliable and responsive source for repair and maintenance for these first line weapons systems. This project provides the supporting infrastructure for the future complex. The first aircraft will arrive at Tinker for phase depot maintenance by Mid-2018. Full production will be 91 aircraft per year. This project will provide the necessary utility systems for the maintenance docks.

CURRENT SITUATION: The infrastructure is currently not available at this base to

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1. COMPONENT	FY 2015 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	KC-46A DEPOT MAINT COMPLEX SUPPORT INFRASTRUCTURE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41221	851-147	3342/WWYK143004	48,000

support the future KC-46A depot maintenance complex. Phased depot maintenance ensures aircraft are properly, timely, efficiently maintained & repaired to ensure safety for the pilots and longevity of the aircraft.

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.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for satisfying this requirement indicates that only one option will meet mission needs. Therefore, a complete economic analysis was not performed. A certificate of exemption 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 UFC 1-200-02, dated 1 March 2013.. Base Civil Engineer (405) 734-3451.

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

1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TINKER AIR FORCE BASE TINKER AFB SITE # 1 OKLAHOMA	KC-46A DEPOT MAINT COMPLEX SUPPORT INFRASTRUCTURE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41221	851-147	3342/WWYK143004	48,000

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	1,920
(4) Construction Contract Award	15 MAR
(5) Construction Start	15 MAY
(6) Construction Completion	17 MAY
(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	FY 2015 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	KC-46A TWO-BAY DEPOT MAINTENANCE HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41221	211-116	3342/WWYK153005	63,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				52,317
CORROSION CONTROL/FUEL DOCK HANGAR	SM	12,100	4,148	(50,191)
SUSTAINABILITY AND ENERGY MEASURES	LS			(1,353)
SPECIAL FOUNDATION	LS			(773)
SUPPORTING FACILITIES				2,353
UTILITIES: ELECTRIC SERVICE	LS			(45)
UTILITIES: WATER, SEWER, AND GAS	LS			(25)
UTILITIES: STEAM & CHILLED WATER DISTRIBUTION	LS			(40)
UTILITIES: COMMUNICATION	LS			(35)
SITE IMPROVEMENTS	LS			(80)
PAVEMENTS	LS			(2,128)
SUBTOTAL				54,670
CONTINGENCY (5.0%)				2,733
TOTAL CONTRACT COST				57,403
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				3,272
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				2,187
TOTAL REQUEST				62,862
TOTAL REQUEST (ROUNDED)				63,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(35,998

10. Description of Proposed Construction: Construct a two-bay depot maintenance facility configured for corrosion control and fueled aircraft maintenance. Includes clearing and grading site, storm drainage, environmental remediation, all utility infrastructure systems; electrical, water, sewer, communications, roads, aircraft parking apron and all other supporting facilities. Facility will be designed as permanent construction in accordance with DoD unified Facilities Criteria - UFC 1-200-01. This project complies with DoD antiterrorism/force protection requirements per UFC 4-010-01.

Air Conditioning: 200 Tons

11. Requirement: 12100 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: KC-46A Two-Bay Depot Maintenance Hangar. (New Mission)

REQUIREMENT: Tinker AFB currently supports depot maintenance for multiple USAF aircraft and has been designated source of repair for the depot maintenance of the KC-46A aircraft. A depot maintenance complex is required to provide a reliable and responsive source for repair and maintenance for these first line weapons systems. This project provides two combination docks (maintenance/corrosion/fuel) and its supporting infrastructure. The first aircraft will arrive at Tinker for phased depot maintenance by early-2018. Full production is projected to be 90 aircraft per year.

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1. COMPONENT	FY 2015 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	KC-46A TWO-BAY DEPOT MAINTENANCE HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
41221	211-116	3342/WWYK153005	63,000

CURRENT SITUATION: Neither infrastructure nor maintenance docks are currently available at this base to support the future KC-46A depot maintenance workload. Phased depot maintenance ensures aircraft are properly, timely, efficiently maintained & repaired to ensure safety for the pilots and longevity of the aircraft.

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 weapon system. Phased depot maintenance is critical to the KC-46A mission.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for satisfying this requirement indicates that only one option will meet mission needs. Therefore, a complete economic analysis was not performed. A certificate of exemption 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 UFC 1-200-02, dated 1 March 2013. Base Civil Engineer: (405) 734-3451. Corrosion Control/Fuel Dock Hangar: 12,100 SM = 130,243 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 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TINKER AIR FORCE BASE TINKER AFB SITE # 1 OKLAHOMA	KC-46A TWO-BAY DEPOT MAINTENANCE HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41221	211-116	3342/WWYK153005	63,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

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

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

(3) All Other Design Costs 2,520

(4) Construction Contract Award 15 MAR

(5) Construction Start 15 APR

(6) Construction Completion 17 AUG

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPRC	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNISHINGS	3400	17	300
COMPUTERS	3400	17	75
COMMUNICATIONS	3400	17	260
AGE AND SUPPORT EQUIPMENT	3010	17	20,250
MX AND TEST STANDS/TESTERS	3010	17	12,100
TOOLING	3400	17	2,990
PERSONAL PROTECTIVE EQUIPMENT	3400	17	23

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1. COMPONENT AIR FORCE	**FY 2015 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST
JB SAN ANTONIO TEXAS	AIR EDUCATION AND TRAINING COMMAND	COST INDEX 0.84

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 13	2431	9542	5497	132	6843	0	2365	9866	2,649	37,892
END FY 2018	2416	9199	5492	132	6843	0	9199	5492	1992	38,328

7. INVENTORY DATA ($000)

a. Total Acreage:	7,454	
b. Inventory Total as of : (30 Sep 13)		4,073,379
c. Authorization Not Yet in Inventory:		396,488
d. Authorization Requested in this Program:	(FY 2015)	5,800
e. Planned in Next Four Years Program:		145,700
f. Remaining Deficiency:		793,577
g. Grand Total:		5,414,944

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2015)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
730-142	Fire Station (Ft Sam Houston)	1,255		5,800	Design	Build
			Total	5,800		

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

149-962	Air Traffic Control Tower	10,000
171-621	BMT Classroom/Dining Fac (Phase III) (Lackland)	34,550
610-282	Construct AFPC B Wing B499	34,000
721-311	BMT Recruit Dormitory (Phase V) (Lackland)	67,150
	Total	145,700

9b. Real Property Maintenance Backlog This Installation ($M) 360

10. Mission or Major Functions: A training wing which includes Basic Military Training School, Security Forces, Combat Convoy/Arms/Control, Pararescue, Survival Evasion Resistance Escape, Logistics, Enlisted Aircrew, Services, Contracting, Vehicle Maintenance, and Military Training Instructor, Defense Language Institute English Language Center, and Inter-American Air Forces Academy, Department of Defense Military Working Dog Training. Additional missions include Air Force Security Forces Center, Recruiting, cryptographic maintenance, Air Force Reserve C-5 training, a major Air Force medical center, and Intelligence/Reconnaissance/Surveillance Operations.

11. Outstanding pollution and Safety (OSHA) Deficiencies:

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

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1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JOINT BASE SAN ANTONIO Fort Sam Houston TEXAS	FIRE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
85976	730-142	5047/MPLS3274JB	5,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITY				3,203
FIRE STATION	SM	1,255	2,500	(3,138)
SUSTAINABILITY AND ENERGY MEASURES	LS			(65)
SUPPORTING FACILITIES				1,819
ELECTRIC SERVICE	LS			(179)
OTHER UTILITIES (WATER, SEWER, GAS)	LS			(100)
STEAM AND/OR CHILLED WATER DISTRIBUTION	LS			(208)
PAVING, WALKS, CURBS AND GUTTERS	LS			(281)
STORM DRAINAGE	LS			(133)
SITE IMPROVEMENTS	LS			(124)
INFORMATION SYSTEMS	LS			(299)
ANTITERRORISM MEASURES	LS			(8)
BUILDING INFORMATION SYSTEMS	LS			(237)
SPECIAL FOUNDATIONS	LS			(125)
GENERATOR	LS			(125)
SUBTOTAL				5,022
CONTINGENCY (5.0%)				251
TOTAL CONTRACT COST				5,273
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				301
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				201
TOTAL REQUEST				5,774
TOTAL REQUEST (ROUNDED)				5,800)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(552

10. Description of Proposed Construction: Construct a One Company Satellite Fire Station 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. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC 1-200-01). This facility is designed to support firefighter's mission to protect lives and the Brooke Army Medical Center Medical Complex, to include the Warriors in Transition (WIT) rehabilitation complex and WIT lodging facilities. The Fire Station is composed of three main types of functional areas: Apparatus Bays, the Residential Area, and the Administration Area. Special foundation work will be required. Heating will be provided by high efficiency gas fire type boilers. Air conditioning will be provided by air cooled package chillers. Operations and maintenance manuals and commissioning will be provided. Supporting facilities include water, sewer, gas and electric utilities, standby generator,

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1. COMPONENT AIR FORCE	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JOINT BASE SAN ANTONIO Fort Sam Houston TEXAS	FIRE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
85976	730-142	5047/MPLS3274JB	5,800

communications, fire protection and alarm system, site drainage, access drives, parking, sidewalks, and site improvements. This project will comply with DoD antiterrorism/force protection requirements per UFC 4-010-01.

Air Conditioning: 25 Tons

11. Requirement: 1255 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Construct a Fire Station, San Antonio Military Medical Center - North (SAMMC-N). (Current Mission)

REQUIREMENT: This project is required to provide fire fighting and emergency response capabilities to 30 facilities in or near the SAMMC complex. These facilities include the 1.3 million square foot, seven story Brooke Army Medical Center, one of kind Center for the Intrepid, Warriors in Transition barracks with 425 bed spaces, 150 room guest house and four Fisher Houses. In addition, other facilities currently under construction in this area include a 1.8M SF five story parking garage, and 760K SF 5-story Emergency Room addition, and a multi-story Surgical Research Facility. In order to meet the requirements of DoDI 6055.06, Enclosure 3, for response time to emergency calls, a one-company headquarters fire station is required. The facility accomodates the firefighters, administrative personnel, and an environment for fire prevention education and training.

CURRENT SITUATION: Currently, firefighting and emergency response is being provided to the BAMC area by fire units stationed on the main base area of Fort Sam Houston. Due to the distance/mileage between the main base and BAMC, response times for emergency fire apparatus fail to meet DoDI 6055.06, Table E3, T1 Minimum Level of Service Objectives. This deficiency is further impacted during periods of heavy rain when the Salado Creek low water crossing floods (at least 5 times/yr) and daily rail traffic on Binz Engleman Road. This deficiency has been identified and documented repeatedly during Operational Readiness Inspections most recently in October 2007. A review of the existing facilities at Fort Sam Houston indicates that there are no buildings of opportunity available to permanently rectify this situation.

IMPACT IF NOT PROVIDED: If this project is not provided, the safety and protection standards for fire and emergency to the BAMC area will fail to meet DoDI 6055.06 minimum requirements. Both soldiers and civilians will be at increased risk for fire/life safety when either working in or visiting facilities in or near the BAMC complex.

ADDITIONAL: On Fort Sam Houston, electrical, natural gas, and non-potable water utility services are provided by commercial utility providers. In general, actual method of providing utility system connection to facilities is indirectly through utility contract connection fees rather than direct Government construction. This project meets the criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements"; the Air Force Fire Station Facilities Design Guide; and UFC 4-730-10, "Fire Stations." 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 best solution. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development, and construction of the project in accordance with UFC 1-

1. COMPONENT AIR FORCE	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JOINT BASE SAN ANTONIO Fort Sam Houston TEXAS	FIRE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
85976	730-142	5047/MPLS3274JB	5,800

200-02, dated 1 March 2013. Director of Public Works: (210) 221-5439: Fire Station, SAMMC-N: 1255 SM = 13,500 SF.

JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. Mission requirements, operational considerations, and location are incompatible with use by other components.

1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
JOINT BASE SAN ANTONIO Fort Sam Houston TEXAS	FIRE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85976	730-142	5047/MPLS3274JB	5,800

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 232

(4) Construction Contract Award 15 FEB

(5) Construction Start 15 MAR

(6) Construction Completion 16 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 APPRC	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
INSTALLED EQUIPMENT	3400	2015	127
FURNISHINGS	3400	2015	425

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1. COMPONENT AIR FORCE	**FY 2015 MILITARY CONSTRUCTION PROGRAM**	2. DATE
3. INSTALLATION AND LOCATION JOINT REGION MARIANAS, ANDERSEN GUAM	4. COMMAND PACIFIC AIR FORCES	5. AREA CONST COST INDEX 2.32

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 13	158	1,595	376	0	0	0	0	0	0	2,129
END FY 2018	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 13)		6,145,097
c. Authorization Not Yet in Inventory:		184,719
d. Authorization Requested in this Program:	(FY 2015)	77,400
e. Planned in Next Four Years Program:		107,600
f. Remaining Deficiency:		775,459
g. Grand Total:		7,290,275

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2015)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
217-742	PRTC - Combat Comm Infrast Facility	681		3,750	Design-Build	
610-127	PRTC - Red Horse Logistics Facility	413		3,150	Design-Build	
730-142	PRTC - Satellite Fire Station	705		6,500	Design-Build	
211-111	Guam Strike Fuel Sys Maint Hangar - Incr 2	5,310		64,000		
			Total	77,400		

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

141-461	PAR - Guam Cmnd Post (Prsnl Protection)		17,900
145-921	PAR - Additional Hardened Pump House		20,000
211-159	PAR - LO/Corrosion Control/Comp Rpr Facility		35,200
442-758	PAR - Mx Spares/Spt Eq Storage		19,000
832-266	PAR- South Ramp Utilities Phase 2		13,000
851-147	PRTC Roads		2,500
		Total	107,600

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 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JOINT REGION MARIANAS - ANDERSEN AIR FORCE BASE NORTHWEST GUAM AIR FORCE BASE SITE # 1 GUAM	PRTC - COMBAT COMMUNICATIONS INFRASTRUCTURE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	217-742	3085/SAKW113008	3,750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITY				2,031
COMBAT COMM INFRASTRUCTURE FACILITY	SM	681	2,924	(1,991)
SUSTAINABILITY AND ENERGY MEASURES	LS			(40)
SUPPORTING FACILITIES				1,235
UTILITIES	LS			(327)
SITE IMPROVEMENTS	LS			(299)
PAVEMENT	LS			(87)
COMMUNICATIONS	LS			(143)
ARCHEOLOGICAL MONITORING	LS			(75)
ENV REMEDIATION/EXPLOSIVE SAFETY COMPLIANCE	LS			(305)
SUBTOTAL				3,267
CONTINGENCY (5.0%)				163
TOTAL CONTRACT COST				3,430
SUPERVISION, INSPECTION AND OVERHEAD (6.2%)				213
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				131
TOTAL REQUEST				3,773
TOTAL REQUEST (ROUNDED)				3,750
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(160)

10. Description of Proposed Construction: Construct a combat communications infrastructure 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. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC 1-200-01). 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 antiterrorism force protection requirements per Unified Facilities Criteria.

Air Conditioning: 20 Tons

11. Requirement: 681 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Construct a combat communications infrastructure facility. (New Mission)

REQUIREMENT: Project is required to support beddown of a Combat Communications PACAF Regional Training Center (PRTC) at Guam Northwest Field. This beddown is to a location where no unit of this type existed. The mission of the 664th Combat Communications Squadron (644 CBCS) is to provide communication capabilities for combatant commanders in the Pacific AoR. The 644 CBCS is a self-sufficient organization that provides its own power and shelters, can deploy to a bare-base location, and set up within 24 hours. This facility directly supports the mission

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1. COMPONENT AIR FORCE	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JOINT REGION MARIANAS - ANDERSEN AIR FORCE BASE NORTHWEST GUAM AIR FORCE BASE SITE # 1 GUAM	PRTC - COMBAT COMMUNICATIONS INFRASTRUCTURE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	217-742	3085/SAKW113008	3,750

by providing required space for operational, maintenance, and training for 28 Airmen assigned to the Infrastructure work centers. The facility should include offices and maintenance/inspection shops, storage spaces, mechanical and electrical spaces, communications, fire suppression/detection, air ventilation system, utilities, pavements, parking, and all necessary supporting facilities for a complete and usable facility.

CURRENT SITUATION: There are no facilities at NW Field that can meet this mission requirement. Personnel are located in three temporary facilities located in the main base proper of Andersen AFB. 644 CBCS cannot meet current mission response timelines.

IMPACT IF NOT PROVIDED: This project is critical to maintaining on-time phasing plans for 644 CBCS relocating to Northwest Field of Andersen AFB. This facility will provide the only available on-site communications infrastructure equipment (switches, F/O cable, antenna, modules) work center required to support the forward deployed combat communications squadron being beddown at Northwest Field. For the Infrastructure work center, the section earns/requires 7.3K Sq Ft for operational, maintenance and training area. Current temp facilities have 150 Sq Ft of operations space and 500 Sq Ft of maintenance and testing areas. All personnel (27) are "hot" desking and are forced to squeeze into one small office. There are no other facilities available on Andersen Air Force Base to meet this CBCS requirement. 644 CBCS will continue to fail to meet mission response due to the non-availability of required operations, maintenance and testing facilities. Without this facility, the combat communication's mission to rapidly establish and sustain tactical communications command and control systems providing high quality, mission-tailored, communications support to the Air Force and other forces operating within the Pacific theater will be severely limited.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for satisfying this requirement indicates that only one option will meet mission needs. Therefore, a complete economic analysis was not performed. A certificate of exemption 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 UFC 1-200-02, dated 1 March 2013. Base Civil Engineer: (671) 366-7101. Operation Facility: 681 SM = 7,333 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 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
JOINT REGION MARIANAS - ANDERSEN AFB NORTHWEST GUAM AIR FORCE BASE SITE # 1 GUAM	PRTC - COMBAT COMMUNICATIONS INFRASTRUCTURE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	217-742	3085/SAKW113008	3,750

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 151

(4) Construction Contract Award 15 FEB

(5) Construction Start 15 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 APPRC	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNISHINGS	3400	2015	50
EQUIPMENT	3400	2015	30
COMM EQUIPMENT	3400	2015	80

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1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JOINT REGION MARIANAS - ANDERSEN AIR FORCE BASE NORTHWEST GUAM AIR FORCE BASE SITE # 1 GUAM	PRTC - RED HORSE LOGISTICS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	610-127	3085/SAKW059006	3,150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				2,379
LOGISTICS FACILITY	SM	414	5,627	(2,330)
SUSTAINABILITY AND ENERGY MEASURES	LS			(49)
SUPPORTING FACILITIES				354
SITE IMPROVEMENTS	LS			(43)
PAVEMENTS	LS			(23)
UTILITIES	LS			(124)
COMMUNICATIONS	LS			(31)
DEMOLITION (HORIZONTAL)	LS			(33)
ENV REMEDIATION/EXPLOSIVE SAFETY COMPLIANCE	LS			(75)
ARCHEOLOGICAL MONITORING	LS			(25)
SUBTOTAL				2,733
CONTINGENCY (5.0%)				137
TOTAL CONTRACT COST				2,870
SUPERVISION, INSPECTION AND OVERHEAD (6.2%)				178
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				109
TOTAL REQUEST				3,157
TOTAL REQUEST (ROUNDED)				3,150
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(140)

10. Description of Proposed Construction: Construct an RED HORSE logistics 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. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC 1-200-01). The facility will include offices, conference area, kitchen training area, administrative areas, storage spaces, mechanical and electrical spaces, communications, fire suppression/detection, air ventilation system, utilities, pavements, parking, associated site improvements, hazardous material abatement, antiterrorism/force protection measures and 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 antiterrorism/force protection requirements per UFC 4-010-01.

Air Conditioning: 37 Tons

11. Requirement: 414 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Construct a RED HORSE logistics facility. (New Mission)

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1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JOINT REGION MARIANAS - ANDERSEN AIR FORCE BASE NORTHWEST GUAM AIR FORCE BASE SITE # 1 GUAM	PRTC - RED HORSE LOGISTICS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	610-127	3085/SAKW059006	3,150

REQUIREMENT: Project is required to support beddown of the 554th RED HORSE at the new PACAF Regional Training Center (PRTC) at Guam Northwest Field to include offices, conference area, kitchen training area, administrative areas, and storage spaces. This is a beddown of a mission to a location where no unit of this type exists. The mission of the 554th RED HORSE Squadron is to provide the Air Force with a mobile heavy construction 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 squadron logistical (supply, services, readiness, etc.) operations for 158 Airmen assigned to the 554th RED HORSE Squadron, including Airmen assigned to this Logistics Facility.

CURRENT SITUATION: There are no facilities at NW Field that can meet this mission requirement. 554th RED HORSE personnel are located in temporary facilities in the main base proper of Andersen AFB and in Sea-Land containers as shop space in NW Field is not available.

IMPACT IF NOT PROVIDED: This project is critical to maintaining on-time 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 logistics work center required to support the 554th RED HORSE squadron being beddown at Northwest Field. The Squadron will not be able to prepare equipment/pax to meet required minimum enabler response time. Therefore, 13 AF, PACAF and PACOM will lose capability to employ 554th RED HORSE construction assets. RED HORSE will lack primary training/ops center for Logistics Plans, Supply, Services, Vehicle Operations, Readiness, Chemical, Biological, Radiological, and Nuclear (CBRN) and EM Team functions in addition to RED HORSE specific special capabilities.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for satisfying this requirement indicates that only one option will meet mission needs. Therefore, a complete economic analysis was not performed. A certificate of exemption 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 UFC 1-200-02, dated 1 March 2013. Base Civil Engineer: (671) 366-7101. Logisitcs Facility: 414 SM = 4,457 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 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
JOINT REGION MARIANAS - ANDERSEN AFB NORTHWEST GUAM AIR FORCE BASE SITE # 1 GUAM	PRTC - RED HORSE LOGISTICS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	610-127	3085/SAKW059006	3,150

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 126

(4) Construction Contract Award 15 FEB

(5) Construction Start 15 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 APPRC	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNISHINGS	3400	2015	70
EQUIPMENT	3400	2015	25
COMM EQUIPMENT	3400	2015	45

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1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JOINT REGION MARIANAS - ANDERSEN AIR FORCE BASE NORTHWEST GUAM AIR FORCE BASE SITE # 1 GUAM	PRTC SATELLITE FIRE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	730-142	3085/SAKW143031	6,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITY				4,445
SATELLITE FIRE STATION	SM	705	6,181	(4,358)
SUSTAINABLITY AND ENERGY MEASURES	LS			(87)
SUPPORTING FACILITIES				1,197
UTILITIES	LS			(111)
SITE IMPROVEMENTS	LS			(322)
PAVEMENTS	LS			(166)
COMMUNICATIONS	LS			(63)
ARCHEOLOGICAL MONITORING	LS			(89)
ENV REMEDIATION/EXPLOSIVE SAFETY COMPLIANCE	LS			(446)
SUBTOTAL				5,642
CONTINGENCY (5.0%)				282
TOTAL CONTRACT COST				5,924
SUPERVISION, INSPECTION AND OVERHEAD (6.2%)				367
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				226
TOTAL REQUEST				6,517
TOTAL REQUEST (ROUNDED)				6,500
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(327)

10. Description of Proposed Construction: Construct a satellite fire station consisting 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. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC 1-200-01). The project will include electrical, mechanical, water, communication, fire detection and suppression, heating/air conditioning system with environmental controls, utilities, pavements, parking, associated site improvements, archeological monitoring and all necessary supporting facilities for a complete and usable facility that 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 antiterrorism/force protection requirements per UFC 4-010-01.

Air Conditioning: 20 Tons

11. Requirement: 705 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Construct the PACAF Regional Training Center (PRTC) Satellite Fire Station. (New Mission)

REQUIREMENT: An adequately sized and configured satellite fire station is required is to protect the personnel and facilities being constructed to support the beddown

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1. COMPONENT AIR FORCE	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JOINT REGION MARIANAS - ANDERSEN AIR FORCE BASE NORTHWEST GUAM AIR FORCE BASE SITE # 1 GUAM	PRTC SATELLITE FIRE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	730-142	3085/SAKW143031	6,500

of RED HORSE, Commando Warrior, Combat Communications and Silver Flag units at Northwest Field, an annex to JRM-Andersen AFB. This facility will provide the only available on-site fire station for the PRTC units, which is necessary to achieve and maintain full mission capability status with required emergency services. Given the commuting time between Northwest Field and the Fire Station at Andersen AFB, a satellite fire station is critical to achieve the required response time until back up can arrive on scene.

CURRENT SITUATION: No fire station currently exists at the Northwest Field location, which is geographically separated from JRM-Andersen. Therefore, this project is critical to protect the personnel and facilities being beddown in the new PRTC. Appropriate fire protection and emergency response capability are required to maintain mission ready status for RED HORSE, Commando Warrior, Combat Communications and Silver Flag units but not available. IAW DoDI 6055.06, required aggregate response time for first arriving fire company is 7 minutes, but it is approximately 30 minutes from fire station on Andersen proper to the PRTC area on Northwest Field.

IMPACT IF NOT PROVIDED: Without this facility the students and assigned personnel and facilities being beddown at Guam North West Field, will continue to be at unacceptable risk due to the lack of fire protection and emergency services.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements"; the Air Force Fire Station Facilities Design Guide; and UFC 4-730-10, "Fire Stations." A preliminary analysis of reasonable options for satisfying this requirement indicates that only one option will meet mission needs. Therefore, a complete economic analysis was not performed. A certificate of exemption 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 UFC 1-200-02, dated 1 March 2013. Base Civil Engineer: (671) 366-7101. Fire Station: 705 SM = 7,584 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 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
JOINT REGION MARIANAS - ANDERSEN AFB NORTHWEST GUAM AIR FORCE BASE SITE # 1 GUAM	PRTC SATELLITE FIRE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	730-142	3085/SAKW143031	6,500

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

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

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

(3) All Other Design Costs 260

(4) Construction Contract Award 15 FEB

(5) Construction Start 15 MAR

(6) Construction Completion 16 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 APPRC	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNISHINGS	3400	2015	80
EQUIPMENT	3400	2015	120
COMM EQUIPMENT	3400	2015	127

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1. COMPONENT	FY 2015 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 MAINT HANGAR (INCREMENT 2)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	211-179	1366/AJJY123010B	AUTH: 0 APPN: 64,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				111,269
FUEL SYSTEMS MAINTENANCE HANGAR	SM	5,310	20,544	(109,087)
SUSTAINABILITY AND ENERGY MEASURES	LS			(2,182)
SUPPORTING FACILITIES				3,870
SITE IMPROVEMENTS	LS			(631)
UTILITIES	LS			(1,595)
PAVEMENTS	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. This hardened 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

1. COMPONENT AIR FORCE	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
JRM - ANDERSEN AIR FORCE BASE ANDERSEN AF BASE SITE # 1 GUAM	GUAM STRIKE FUEL SYSTEMS MAINT HANGAR (INCREMENT 2)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	211-179	1366/AJJY123010B	AUTH: 0 APPN: 64,000

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 antiterrorism/force protection requirements per Unified Facilities Criteria.

Air Conditioning: 15 Tons

11. Requirement: 6979 SM Adequate: 1669 SM Substandard: 0 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 hangars provide insufficient tanker maintenance capacity to meet the specific requirements for critical B-2 low observable repair. The higher priority requirements for the B-2 present severe scheduling problems for tanker maintenance causing an adverse affect on mission capability rates and drive the requirement for a dedicated facility. None of the existing hangars at Andersen AFB are large enough to support large airframe aircraft.

IMPACT IF NOT PROVIDED: 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.

ADDITIONAL: The first increment of this project was in FY12, project number AJJY123010. 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 completed. The project was not authorized in FY12, although the first increment of funding was appropriated. The FY14 National Defense Authorization Act (NDAA) amended the FY13 NDAA to authorize this project at $128M. 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

1. COMPONENT	FY 2015 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 MAINT HANGAR (INCREMENT 2)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	211-179	1366/AJJY123010B	AUTH: 0 APPN: 64,000

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.

** Liabilities resulting from incrementally funding this project are as follows:

Fiscal Year	Auth Requested	Auth	Appn Requested	Appropriation
2012	$128.0M	$0.0M	$128.0M	$64.0M
2013	$128.0M	$128M	$0.0M	$0.0M
2015	$0.0M	N/A	$64.0M	

AUTHORIZATION AND APPROPRIATION SUMMARY: REQUESTED FOR 2015

AUTHORIZATION OF THE PROJECT: NONE

AUTHORIZATION FOR APPROPRIATION: $64.0M

APPROPRIATION: $64.0M

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1. COMPONENT	FY 2015 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 MAINT HANGAR (INCREMENT 2)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	211-179	1366/AJJY123010B	AUTH: 0 APPN: 64,000

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 2015	100 %
* (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	14 JUL
(5) Construction Start	14 AUG
(6) Construction Completion	17 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)
COMMUNICATIONS	3400	2014	300
FURNISHINGS	3400	2014	100
EQUIPMENT	3400	2014	600
EQUIPMENT	3080	2014	1,000

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1. COMPONENT AIR FORCE	**FY 2015 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 1.13

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
As of 30 Sep 13	23	338	174	0	0	0	0	4	182	721
END OF FY18	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 13)		$583,734
c. Authorization Not Yet in Inventory:		$0
d. Authorization Requested in this Program:	(FY 2015)	$92,223
e. Planned in Next Four Years Program:		$181,615
f. Remaining Deficiency:		$87,684
g. Grand Total:		$945,256

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2015)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
141-456	JIAC Consolidation - Phase 1	10,837 SM	92,223	Design Build	

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

CATEGORY CODE	PROJECT TITLE	COST $,000
131-134	Consolidated SATCOM/Tech Control Facility	36,000
141-456	JIAC Consolidation - Phase 2	93,194
141-456	JIAC Consolidation - Phase 3	52,421
	Total:	181,615

9b. Real Propery 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 Theater 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 2015 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	JOINT INTELLIGENCE ANALYSIS COMPLEX CONSOLIDATION, PH 1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	141-454	1638/EXSW143010	92,223

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				57,738
EUCOM INTELLIGENCE ANALYTIC CENTER (141454)	SM	6,980	4,908	(34,258)
DATA PROCESSING CENTER (610711)	SM	1,800	8,021	(14,438)
WAREHOUSE BUILDING (442758)	SM	1,907	1,334	(2,544)
POWER SUBSTATION/SWITCH BLDG (813231/813228)	SM	150	1,317	(198)
STANDBY GENERATORS	LS			(4,351)
ELEVATORS	EA	3	120,000	(360)
SUSTAINABILITY AND ENERGY MEASURES	LS			(1,590)
SUPPORTING FACILITIES				24,881
UTILITIES	LS			(14,464)
CHILLER PLANT	LS			(764)
SITE IMPROVEMENTS	LS			(1,200)
PAVEMENTS, WALKWAYS, LIGHTING	LS			(2,944)
STORM DRAINAGE/RETENTION	LS			(582)
PASSIVE FORCE PROTECTION MEASURES	LS			(442)
EXTERIOR COMMUNICATION	LS			(3,692)
ANTENNAE RELOCATION	LS			(388)
RECYCLING CENTER RELOCATION	SM	200	2,024	(405)
SUBTOTAL				82,619
CONTINGENCY (5.0%)				4,131
TOTAL CONTRACT COST				86,750
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				2,169
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				3,305
TOTAL REQUEST				92,223
TOTAL REQUEST (ROUNDED)				92,223)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(74,650

10. Description of Proposed Construction: The project will construct a US European Command (USEUCOM) Joint Intelligence Operations Analytic Center, Data Processing Center, warehouse, power substation/switch building, and standby generators. Uninterrupted power systems will be provided by other appropriations. Supporting facilities includes utilities, chiller plant, site improvements, pavements, walkways lighting, passive force protection measures, and site communications infrastructure. An antenna and recycling center will be relocated. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC 1-200-01). This project will comply with DoD antiterrorism/force protection requirements per UFC 4-010-01 and Intelligence Community Directive 705 and the stricter of US, United Kingdom, or European Union laws and norms.

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3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
RAF CROUGHTON RAF CROUGHTON SITE # 1 UNITED KINGDOM	JOINT INTELLIGENCE ANALYSIS COMPLEX CONSOLIDATION, PH 1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	141-454	1638/EXSW143010	92,223

Air Conditioning: 1,700 Tons

11. Requirement: 10837 SM Adequate: 0 SM Substandard: 18319 SM

PROJECT: Construct Joint Intelligence Analysis Complex, Phase 1. (New Mission)

REQUIREMENT: This project is required to provide a purpose-built Joint Intelligence Analysis and Production Complex which recapitalizes and consolidates all RAF Molesworth (RAFM) Intelligence operations and missions in support of USEUCOM and US African Command (USAFRICOM). This consolidation/relocation to an enduring communications installation will create operational and mission support efficiencies and allow divestiture of RAFs Molesworth and Alconbury (1,800,000 sq ft of real property). This project is required to recapitalize inadequate and inefficient, nonpurpose-built intelligence analytic facilities at RAFM and to provide additional, purpose-built space to fully enable current intelligence missions directed since the USEUCOM Joint Intelligence Operations Center Europe (JIOCEUR) Analytic Center (JAC) stood up in 1991 and USAFRICOM J2-M in 2008. These organizations provide all-source intelligence during peace, crisis and war, 24/7/365. This project is required to support responsive and agile Theater, Joint, all-source intelligence analysis & production, gain and maintain information dominance, and to support the COCOM's Strategy of Active Security through intelligence Building Partnership Capacity (BPC) and Partner Nation Engagement (PNE) missions. The CJCS-signed Joint Intelligence Center Executive Order (DTG 03160Z APR 06) directed establishment of JIOC facilities at all COCOMs "to operate together as a cohesive team." To effectively carry out this critical mission, the USEUCOM JAC and USAFRICOM J2-M require adequately sized and effectively configured facility that consolidates intelligence personnel with other national and international intelligence agency representatives to provide coherent, timely, actionable intelligence to the US, NATO and Coalition forces. Work space is needed for projected approx 1,200 personnel with rapid expansion capability to integrate up to 81 Joint Reserve Intelligence Support Element Reserve personnel during surge operations.

CURRENT SITUATION: Intelligence mission growth at RAFM of over 500% since 1991 has resulte1d in a severe shortfall of intelligence spaces, resulting in intel missions being housed in over 21 undersized, widely-dispersed facilities, including a WWII B-17 hangar, several Cold War Cruise Missile facilities and leased, relocatable facilities. None of these facilities were purpose-built for their current use. This shortfall constrains COCOM decision making processes and collaborative intelligence analysis; and degrades the reliability of theater and national communications and intelligence assets. In addition to minimal Base Operations (BASOPS) expenditures, over $90M in Intelligence Community mission funds have been spent since 2005 to keep these aging facilities and supporting utilities systems in a minimally sustainable state. Intelligence mission facilities at Molesworth are 13 miles from support facilities at Alconbury, wasting thousands of personnel-hours of analytic effort per year in travel time and exposing personnel to one of the UKs most hazardous and heavily trafficked roads. Aging and inefficient primary power, back-up power and cooling systems critical to the intelligence mission are not able

1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
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3. INSTALLATION, SITE AND LOCATION	4. PROJECT TITLE
RAF CROUGHTON RAF CROUGHTON SITE # 1 UNITED KINGDOM	JOINT INTELLIGENCE ANALYSIS COMPLEX CONSOLIDATION, PH 1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	141-454	1638/EXSW143010	92,223

to be economically upgraded, due to the nature of existing facilities. System failures cause frequent down-time for intelligence analysts, wasting thousands of personnel-hours in analytical effort and exposing the COCOM to intelligence blackouts. Facilities do not meet current code criteria for AT/FP, handicap accessibility and life-safety. Most facilities cannot be made to comply with current code requirements within statutory project funding limits. This consolidation project would save, avoid or allow reallocation of $97M/yr in Ops, CIVPERS, MILPERS and intelligence mission funding, including not having to fund current facility sustainment/maintenance backlog of $191M, required to bring intelligence facilities at RAFM to an operationally adequate and sustainable condition.

IMPACT IF NOT PROVIDED: Severe facility shortfalls and dispersion will continue to constrain USEUCOM JAC and USAFRICOM J2-M ability to provide responsive and agile intelligence in support of their respective Combatant Commanders. Training to support intelligence BPC and PNE will continue to be constrained, levying an inordinate burden on the US Intelligence Community to support NATO and Coalition intelligence missions. Intelligence sustainment training and professional development for US intelligence personnel will continue to be constrained. Unanticipated power and cooling system failures will continue to cost thousands of hours of joint analytical effort per year. The DoD will need to spend $78M/year in installation support and will be forced to invest up to $191M to restore and modernize these facilities. RAF Molesworth personnel will continue to be housed in facilities which do not meet current code criteria for AT/FP, handicap accessibility and life-safety, and which do not provide an adequate Quality of Life or Quality of Service. RAF Molesworth intelligence facilities will continue to be geographically separated from support facilities, wasting additional thousands of hours of analytic effort.

ADDITIONAL: Current organizations and missions to be consolidated in Phase 1 are the USEUCOM JAC (intelligence analysis and production for USEUCOM); Defense Intelligence Agency (DIA) Department of Defense Intelligence Information Systems European Regional Support Center (DoDIIS E-RSC). This is Phase 1 of 3; Phase 2 (EXSW143012) is planned for FY16 at $93.2M; Phase 3 (EXSW143013) is planned for FY17 at $52.4M. Elements of this program are not currently eligible for NATO Security Investment Program (NSIP) funding. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. This project meets the criteria/scope specified in Air Force Manual 32-1084, ?Facility Requirements.? A preliminary analysis of reasonable options for satisfying this requirement indicates that only one option will meet mission needs. Therefore, a complete economic analysis was not performed. A certificate of exemption 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 UFC 1-200-02, dated 1 March 2013.
Base Civil Engineer: 011-44-1280-708169
USEUCOM JAC: 6,980 M2 = 75,125 SF; Data Processing Center: 1,800 M2 = 19,373 SF;

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RAF CROUGHTON RAF CROUGHTON SITE # 1 UNITED KINGDOM	JOINT INTELLIGENCE ANALYSIS COMPLEX CONSOLIDATION, PH 1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST ($000)
27576	141-454	1638/EXSW143010	92,223

Warehouse: 1,907 M2 = 20,525 SF; Power Substation: 150 M2 = 1,614 SF.

FOREIGN CURRENCY: FCF Budget Rate Used: POUND .6363

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

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3. INSTALLATION AND LOCATION	4. PROJECT TITLE
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5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27576	141-454	1638/EXSW143010	92,223

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Project to be accomplished by design-build procedures	
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	
(3) All Other Design Costs	2,000
(4) Construction Contract Award	15 MAR
(5) Construction Start	15 APR
(6) Construction Completion	19 JAN
(7) Energy Study/Life-Cycle analysis was/will be performed	NO

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

EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNISHINGS - JAC	2020	2017	5,000
COMM SUPPORT - RSC	100	2017	2,000
FURNISHINGS - SUPPORT FAC	3400	2017	250
COMM EQUIP - RSC	300	2017	12,000
INTRUSION DETECTION SYS - JAC	2035	2017	4,000
UNINTERRUPTED POWER SUPPLY-JAC	2035	2017	5,000
WAREHOUSE FURNISHINGS-JAC	2020	2017	3,000
DESTRUCTION EQUIPMENT	2035	2017	800
FURNISHINGS - RSC	100	2017	300
INTRUSION DETECTION SYS - RSC	300	2017	2,000
DISA SUPPORT	3400	2016	21,000
COMM SUPPORT-JAC	2020	2017	3,300
COMM EQUIP	2035	2017	16,000

FY 2015
PROJECTS AT UNSPECIFIED LOCATIONS

NONE

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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	/PAYZ150002	22,613

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				22,613
MILCON MINOR CONSTRUCTION MILCON MINOR CONST	LS			(22,613)
SUPPORTING FACILITIES				0
SUBTOTAL				22,613
TOTAL CONTRACT COST				22,613
TOTAL REQUEST				22,613
TOTAL REQUEST (ROUNDED)				22,613

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 of more than $750,000 and equal 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 FY15. Included would be projects to support new mission requirements, new equipment, and other essential support to Air Force missions.

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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	/PAYZ150003	10,738

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST ($000)
PRIMARY FACILITIES				10,738
MILCON PLANNING AND DESIGN	LS			(10,738)
SUPPORTING FACILITIES				0
SUBTOTAL				10,738
TOTAL CONTRACT COST				10,738
TOTAL REQUEST				10,738
TOTAL REQUEST (ROUNDED)				10,738

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 FY16 Military Construction Program, initiate design of facilities in the FY17 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 support of the design and construction management of projects that are funded by foreign governments and for design of classified and special programs. The funds may also be used for developing the Tri-Services Cost Estimating Guide and Unified Facilities Criteria.

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