AIR NATIONAL GUARD

Fiscal Year (FY) 2015
BUDGET ESTIMATES

MILITARY CONSTRUCTION

APPROPRIATION 3830

PROGRAM YEAR 2014

Justification Data Submitted to Congress

March 2014

DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2015

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SUMMARY PROJECT LIST
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM -- FY 2015

STATE	INSTALLATION AND PROJECT	AUTH AMOUNT ($000)	APPN AMOUNT ($000)	PAGE NO.
CONNECTICUT	**Bradley International Airport**			
	Construct C-130 Fuel Cell and Corrosion Control Facility	16,306	16,306	**II-1**
		16,306	**16,306**	
IOWA	**Des Moines International Airport**			
	Remotely Piloted Aircraft and Targeting Group Beddown	8,993	8,993	**II-4**
		8,993	**8,993**	
MICHIGAN	**W. K. Kellogg Airport**			
	RPA Beddown	6,000	6,000	**II-7**
		6,000	**6,000**	
NEW HAMPSHIRE	**Pease International Tradeport**			
	KC-46A ADAL Fuel Cell	16,800	16,800	**II-10**
	KC-46A ADAL Maint Hangar	18,002	18,002	**II-13**
	KC-46A ADAL Airfield Pavements & Hydrant Systems	7,100	7,100	**II-16**
		41,902	**41,902**	
PENNSYLVANIA	**Horsham AGS**			
	RPA Operations Center	5,662	5,662	**II-19**
		5,662	**5,662**	
	SUB-TOTAL -- MAJOR CONSTRUCTION	**78,863**	**78,863**	
	PLANNING AND DESIGN		**7,700**	**II-25**
	UNSPECIFIED MINOR CONSTRUCTION		**8,100**	**II-29**
	SUB - TOTAL -- SUPPORT COSTS		**15,800**	
	GRAND TOTAL - FY 2015 REQUEST	**78,863**	**94,663**	

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NEW MISSION/CURRENT MISSION EXHIBIT
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM -- FY 2015

LOCATION	PROJECT	COST ($000)	CURRENT/ NEW/ENV
Bradley International Airport, CT	Construct C-130 Fuel Cell and Corrosion Control Facility	16,306	N
Des Moines International Airport, IA	Remotely Piloted Aircraft and Targeting Group Beddown	8,993	N
W. K. Kellogg Airport, MI	RPA Beddown	6,000	N
Pease International Tradeport, NH	KC-46A ADAL Fuel Cell	16,800	N
Pease International Tradeport, NH	KC-46A ADAL Maint Hangar	18,002	N
Pease International Tradeport, NH	KC-46A ADAL Airfield Pavements & Hydrant Systems	7,100	N
Horsham AGS, PA	RPA Operations Center	5,662	N
	PLANNING AND DESIGN	**7,700**	
	UNSPECIFIED MINOR CONSTRUCTION	**8,100**	
	TOTAL ENERGY	**0**	
	TOTAL ENVIRONMENTAL	**0**	
	TOTAL NEW MISSION (7)	**78,863**	
	TOTAL CURRENT MISSION (0)	**0**	
	GRAND TOTAL - FY 2015 REQUEST	**94,663**	

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DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2015

SECTION I

APPROPRIATIONS LANGUAGE

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Air National Guard, and contributions therefor, as currently authorized by law, $94,663,000 to remain available until September 30, 2019.

SPECIAL PROGRAM CONSIDERATIONS

Environmental Compliance

The environmental compliance projects proposed in this program are necessary to correct current environmental noncompliance situations and to prevent future noncompliance.

Flood Plain Management and Wetland Protection

Proposed land acquisitions, disposals, and installation construction projects have been planned in accordance with the requirements of Executive Orders 11988, Flood Plain Management, and 11900, Protection of Wetlands. Projects have been sited to avoid long and short-term adverse impacts, reduce the risk of flood losses, and minimize the loss, or degradation of wetlands.

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.

Preservation of Historical Sites and Structures

Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object, or setting listed in the National Register of Historic Places, except as noted on the DD Forms 1391.

Environmental Protection

In accordance with Section 102(2) (c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources.

SPECIAL PROGRAM CONSIDERATIONS
(continued)

Reserve Manpower Potential

The reserve manpower potential to meet and maintain authorized strengths of all reserve flying/non-flying units in those areas in which these facilities are to be located has been reviewed. It has been determined, in coordination with all other Services having reserve flying/non-flying units in these areas, that the number of units of the reserve components of the Armed Forces presently located in those areas, and those which have been allocated to the areas for future activation, is not and will not be larger than the number that reasonably can be expected to be maintained at authorized strength considering the number of persons living in the areas who are qualified for membership in those reserve units.

Construction Criteria Manual

Unless otherwise noted, the projects comply with the scope and design criteria prescribed in the Unified Facilities Criteria (UFC).

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

SECTION II

PROJECT JUSTIFICATION DATA

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1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		March 2014

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BRADLEY INTERNATIONAL AIRPORT, CONNECTICUT	CONSTRUCT C-130 FUEL CELL AND CORROSION CONTROL FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
54332F	211-179	CEKT139004	$16,306

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
C-130 BEDDOWN - FUEL CELL/CORROSION CONTROL	SM	2,750		12,582
FUEL CELL/CORROSION HANGAR (211-179)	SM	2,165	4,575	(9,905)
FUEL CELL SHOP AREA	SM	158	4,575	(723)
CORROSION CONTROL SHOP AREA (211-159)	SM	427	4,575	(1,954)
SUPPORTING FACILITIES				1,950
UTILITIES	LS			(500)
PAVEMENTS	LS			(500)
SITE IMPROVEMENTS	LS			(400)
COMMUNICATION SUPPORT	LS			(100)
FIRE PROTECTION SUPPORT	LS			(450)
SUSTAINABILITY AND ENERGY MEASURES	LS			320
SUBTOTAL				14,852
CONTINGENCY (5%)				743
TOTAL CONTRACT COST				15,595
SUPERVISION, INSPECTION AND OVERHEAD (6%)				935
TOTAL REQUEST				16,530
TOTAL REQUEST (ROUNDED)				16,306

10. Description of Proposed Construction: Construct a high-bay, Fuel Cell/Corrosion Control Facility utilizing conventional design and construction methods to accommodate the mission of the facility. Facility will designed as permanent construction in accordance with the DoD Unified Facilities Criteria. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria. Special construction to include fume extraction ventilation and wet pipe sprinkler/ high expansion foam system and fire water storage.
Air Conditioning: 70 KW.

11. REQUIREMENT: 2,750 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM
PROJECT: Construct C-130 Fuel Cell and Corrosion Control Facility (New Mission)
REQUIREMENT: The installation requires a properly sited, adequately sized, and appropriately configured fuel cell and corrosion control facility to support 8 Primary Aircraft Authorized C-130 aircraft. Requirements include hangar bay space for fuel cell work, fuel cell shop space, corrosion control maintenance area, administrative support areas, and restroom, locker, and break areas, using open floor plan architecture to the maximum extent possible. The facility will specifically require fire protection systems to include fire protection water storage and utility metering.
CURRENT SITUATION: The 2005 Defense BRAC Final Report removed the A-10 aircraft from Bradley Air National Guard base. Through Total Force Integration (TFI) initiatives, the base was assigned the C-21 as a bridge mission to the C-130 aircraft. The C-21 mission did not require any changes to maintenance facilities since it is smaller than the A-10 aircraft. The former A-10 fuel cell and corrosion control facility is not sized for and does not support the C-130 aircraft. The fuel cell and corrosion control facility cannot be modified to accommodate the significantly larger C-130, both because of comparative aircraft size and that removal/relocation of load bearing walls is not feasible. By a separate project, the A-10 fuel cell and corrosion control facility will be converted into an aerial

1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ANG	(computer generated)	March 2014

3. INSTALLATION AND LOCATION

BRADLEY INTERNATIONAL AIRPORT, CONNECTICUT

5. PROJECT TITLE	7. PROJECT NUMBER
CONSTRUCT C-130 FUEL CELL AND CORROSION CONTROL FACILITY	CEKT139004

port training facility supporting C-130 operations. The first C-130s arrived in September 2013. Until the new facility is constructed, the 103rd Airlift Wing will function with work-arounds which include using the existing A-10 facilities to the extent possible to support some outdoor maintenance activities. Aircraft will have to be flown to an alternate installation to execute the more complex maintenance tasks which require covered, climate controlled, work space.

IMPACT IF NOT PROVIDED: The unit will not have a proper facility in which to perform fuel cell maintenance and repair activities. Inability to accomplish this work will degrade mission effectiveness and reduce readiness. To the extent possible, inappropriately configured A-10 fighter facilities will be used in an attempt to maintain a state-of-the-art airlift aircraft, leading to cost consuming work-arounds to include extended periods of travel and temporary duty for maintenance personnel to travel to a compatible fuel cell facility location for most of the maintenance operations. The minimum travel time is a 3 hour round-trip, which adds manhours to maintenance activities and reduces mission capable rates. Mission execution and training will be conducted in an inefficient and ineffective manner and the former A-10 facilities would not be able to be converted for reuse as training facilities.

ADDITIONAL: 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. An economic analysis is being prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation, although preliminary analysis indicates new construction to be the most cost effective solution.

CatCode		Requirement	Adequate	Substandard
211-179	FUEL SYSTEM MAINTENANCE DOCK	2,165 SM	0 SM	0 SM
211-159	AIRCRAFT CORROSION CONTROL	427 SM	0 SM	0 SM
211-179	FUEL CELL SHOP AREA	158 SM	0 SM	0 SM

FUEL CELL/CORROSION HANGAR (211-179)	2,165 SM = 23,300 SF
FUEL CELL SHOP AREA	158 SM = 1,700 SF
CORROSION CONTROL SHOP AREA (211-159)	427 SM = 4,600 SF

1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		March 2014

3. INSTALLATION AND LOCATION
BRADLEY INTERNATIONAL AIRPORT, CONNECTICUT

5. PROJECT TITLE	7. PROJECT NUMBER
CONSTRUCT C-130 FUEL CELL AND CORROSION CONTROL FACILITY	CEKT139004

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	APR 2013
(b) Parametric Cost Estimates used to develop costs	No
(c) Percent Complete as of Jan 2014	35%
* (d) Date 35% Designed	JAN 2014
(e) Date Design Complete	JUL 2014
(f) Type of Design Contract	
(g) Energy Study/Life-Cycle analysis was/will be performed	YES
(2) Basis:	
(a) Standard or Definitive Design -	No
(b) Where Design Was Most Recently Used -	
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	900
(b) All Other Design Costs	300
(c) Total	1,200
(d) Contract	1,200
(e) In-House	
(4) Contract Award (Month/Year)	JAN 2015
(5) Construction Start	APR 2015
(6) Construction Completion	OCT 2016

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

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

POINT OF CONTACT: Mark H. Bailey
(240) 612-7042

1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		March 2014

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DES MOINES INTERNATIONAL AIRPORT, IOWA	NDAA: REMOTELY PILOTED AIRCRAFT AND TARGETING GROUP BEDDOWN

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
53218F	141-753	FFAN139010	$8,993

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RPA/MCE AND TARGETING GROUP BEDDOWN	SM	3,094		6,041
CONVERT FOR RPA SQUAD OPS (141-754)	SM	1,329	1,830	(2,432)
CONVERT FOR TARGETING (141-753)	SM	1,765	2,045	(3,609)
SUPPORTING FACILITIES				1,800
UTILITIES	LS	1	680,000	(680)
PASSIVE FORCE PROTECTION	LS	1	70,000	(70)
BACK-UP GENERATOR / UPS SUPPORT	LS	1	150,000	(150)
PAVEMENT	LS	1	500,000	(500)
COMMUNICATION SUPPORT	LS	1	400,000	(400)
SUSTAINABILITY AND ENERGY MEASURES	SM	3,094	108	334
SUBTOTAL				8,175
CONTINGENCY (5%)				409
TOTAL CONTRACT COST				8,584
SUPERVISION, INSPECTION AND OVERHEAD (6%)				515
TOTAL REQUEST				9,099
TOTAL REQUEST (ROUNDED)				8,993

10. Description of Proposed Construction: Convert Building 430 to support Remotely Piloted Aircraft/Mission Control Element and Intelligence Targeting Group operations utilizing conventional design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria. Special Construction Requirements: Secure Compartmentalized Information Facility (SCIF); Provide automatic transfer switch for mobile standby power generator and connection for user-provided Uninterruptible Power Supply (UPS), security alarms, and specialty communication support. Parking pavement will be removed and relocated as needed to support Antiterrorism/Force Protection requirements.
Air Conditioning: 770 KW.

11. REQUIREMENT: 3,094 SM ADEQUATE: 0 SM SUBSTANDARD: 3,094 SM
PROJECT: Renovate Building 430 for RPA and Intelligence Targeting Group (New Mission)
REQUIREMENT: Des Moines Air Guard Station has been selected as a beddown site for a Remotely Piloted Aircraft Mission Control Element (RPA/MCE) unit along with an Intelligence Targeting Group. The installation requires a properly sized and configured facility to support an RPA Squadron Operations area, and a RPA Crew Readiness area. The mission requires robust and redundant communications support with connectivity to two communications switches. Communications requirements include Non-Secure Internet Protocol Router Network (NIPRNET), SECRET Internet Protocol Router Network (SIPRNET) Joint Worldwide Intelligence Communications System (JWICS), Defense Switched Network (DSN) and video-link capabilities. All RPA operations facilities require redundant communications connectivity which will require extension and looping of communications lines and switches. The RPA portion of the project supports 213 personnel and the Intel Targeting portion supports 206 personnel. The Intelligence Targeting area includes Secure Compartmental Information Facility (SCIF) requirements which will support the Cyberspace mission. Functional spaces include administration, communications shop and storage, secure operations floor space, and

1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ANG	(computer generated)	March 2014

3. INSTALLATION AND LOCATION

DES MOINES INTERNATIONAL AIRPORT, IOWA

5. PROJECT TITLE	7. PROJECT NUMBER
NDAA: REMOTELY PILOTED AIRCRAFT AND TARGETING GROUP BEDDOWN	FFAN139010

SCIF areas. The project will include all associated utilities and communcation requirements. The project will include the support stucture for the uninterruptible power system and the support infrastructure and purchase of a generator for the mission critical aspects of the building.

CURRENT SITUATION: In FY13 the installation loses its 24 Primary Aircraft Authorized (PAA) F-16 mission and converts to an Intelligence Targeting Group and a RPA/MCE unit as well as an Air Operations Group (AOG). The installation is configured to support fighter aircraft and requires significant renovation work to convert the installation to the security and operational support needed for the new RPA and targeting missions. The building also does not have the required communications, security systems or back up and standby power which are required to support the new missions. Facility conversion for the AOG will be accomplished at a later date/project.

IMPACT IF NOT PROVIDED: Unable to reach Full Operational Capability. RPA/MCE and Intelligence Targeting will beddown in inadequate facilities designed for initial operational capability only or for fighter aircraft resulting in additional risk of operational security breach and potential loss of classified information. No existing facility is adequatly configured to fully accommodate the mission within the conversion timeline. High cost in communications requirements and special infrastructure make it prudent to install this unit in a properly located and properly configured facility. Improperly organized infrastructure for temporary use will be expensive and may create even greater challenges when a proper facility can be constructed. Mission training will be significantly hindered along with the Air Force ability to meet the requirement to provide 2 orbits with the capability to surge additional mission orbits as tasked.

ADDITIONAL: Project will incorporate Leadership in Energy and Environmental Design (LEED) and sustainable development concepts, so as to achieve optimum resource efficiency, constructability, sustainability, and energy conservation, while minimizing adverse impacts to the built and natural environments through all phases of its life cycle. This may result in primary facility costs exceeding DoD costing standards, but the initial investment in higher acquisition cost will be rewarded with lower life cycle costs. This is consistent with the requirements of the Energy Policy Act of 2005 (EPAct05), 10 USC 2802, Executive Order 13423, and other applicable laws and Executive Orders. An initial economic analysis study was conducted showing the co-located solution to be the most economical solution. An economic analysis is being prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. This project meets the criteria/scope specified in Air National Guard Handbook 32-1084, "Facility Requirements"and is in compliance with the base master plan. Antiterrorism/Force Protection requirements have been considered in the development of this project.

CatCode		Requirement	Adequate	Substandard
141-753	SQUADRON OPERATIONS	1,143 SM	0 SM	1,143 SM
131-111	TELECOMMUNICATIONS FACILITY	186 SM	0 SM	186 SM
141-454	INTELLIGENCE TARGETING GROUP	1,765 SM	0 SM	1,765 SM

CONVERT FOR RPA SQUAD OPS (141-754) 1,329 SM = 14,300 SF
CONVERT FOR TARGETING (141-753) 1,765 SM = 19,000 SF

1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		March 2014

3. INSTALLATION AND LOCATION
DES MOINES INTERNATIONAL AIRPORT, IOWA

5. PROJECT TITLE	7. PROJECT NUMBER
REMOTELY PILOTED AIRCRAFT AND TARGETING GROUP BEDDOWN	FFAN139010

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	SEP 2013
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 2014	35%
* (d) Date 35% Designed	DEC 2013
(e) Date Design Complete	AUG 2014
(f) Type of Design Contract	
(g) 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	713
(b) All Other Design Costs	80
(c) Total	793
(d) Contract	793
(e) In-House	
(4) Contract Award (Month/Year)	MAR 2015
(5) Construction Start	MAR 2015
(6) Construction Completion	OCT 2016

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

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

POINT OF CONTACT: MAJOR MIKE MIHALIK
(240) 612-7663

1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		March 2014

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
W. K. KELLOGG AIRPORT, MICHIGAN	RPA BEDDOWN

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
53218F	141-753	MBMV129060	$6,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONVERT LRS FOR RPA OPERATIONS	SM	2,499		4,573
REPAIR LRS COMPLEX FOR RPA OPERATIONS	SM	2,499	1,830	(4,573)
SUPPORTING FACILITIES				717
UTILITIES	LS			(101)
SITE IMPROVEMENTS	LS			(15)
STANDBY GENERATOR/POWER SUPPLY	LS			(351)
COMMUNICATION SUPPORT	LS			(250)
SUSTAINABILITY AND ENERGY MEASURES	LS			101
SUBTOTAL				5,391
CONTINGENCY (5%)				270
TOTAL CONTRACT COST				5,661
SUPERVISION, INSPECTION AND OVERHEAD (6%)				339
TOTAL REQUEST				6,000
TOTAL REQUEST (ROUNDED)				6,000

10. Description of Proposed Construction: Convert the existing Logistics Readiness Squadron (LRS) complex and reconfigure to support a Remotely Piloted Aircraft (RPA) Ground Control Operations Center facility utilizing conventional design and construction methods to accommodate the new mission of the facility. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria. The result should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria. Special Construction Requirements: Secure Compartmentalized Information Facility (SCIF); interior will be configured for open-office workspaces divided by demountable systems-furniture style partitions; facility will be prewired to support systems furniture and necessary supporting utilities. Provide backup electrical generator and connections for user-provided Uninterruptible Power Supply (UPS). Install raised flooring and communication requirements as required.
Air Conditioning: 175 KW.

11. REQUIREMENT: 2,499 SM ADEQUATE: 0 SM SUBSTANDARD: 2,963 SM
PROJECT: Convert LRS Complex for RPA (New Mission).
REQUIREMENT: Battle Creek Air Guard Base has been selected as a beddown site for a RPA Remote Split Operations (RPA/RSO) unit. The installation requires a properly sized and configured facility to support up to three Ground Control Stations (GCS), two permanent and one deployable; an RPA Mission Control Element (MCE), a Primary Predator Satellite Link (PPSL) location, an RPA Squadron Operations area, an RPA Flight Simulator area, an RPA Crew Readiness area and a Command Post. The mission requires robust and redundant communications support with connectivity to two communications switches. Communications requirements include Non-Secure Internet Protocol Router Network (NIPRNET), SECRET Internet Protocol Router Network (SIPRNET) Joint Worldwide Intelligence Communications System (JWICS), Defense Switched Network (DSN) and video-link capabilities. Mission Control Element spaces include: administrative spaces, latrine facilities, minor break area, a controlled entry space, communications closet, and a critical SCIF function. All RPA

operations facilities require redundant communications connectivity which will require extension and looping of communications lines and switches.

CURRENT SITUATION: The LRS complex provides the best final operational solution for the RPA mission but is configured to support fighter aircraft and not RPA operations. The selected LRS complex requires significant conversion work to adapt the space to the security and operational space of the RPA mission. The facilities do not have the required communications and security systems. The interior room configuration is not compatible with the RPA mission and the building does not have the required back up and standby power. LRS functions will be relocated to another facility under a separate project.

IMPACT IF NOT PROVIDED: RPA/RSO system beddown can not occur by the required initial operational capability and full operational capability dates. No existing facility can accommodate the mission within this timeline. Communication support cannot be provided to any other existing or non-existing facility in the time required. Forced use of existing facilities without appropriate conversion/reconfiguration would not accommodate mission requirements and would result in security violations due to the high sensitivity of this mission. The Air Force will not be able to meet the requirement to provide 65 combat air patrols.

ADDITIONAL: This project meets the criteria/scope specified in Air National Guard Handbook 32-1084, "Facility Requirements" and is in compliance with installation development plan principles. Antiterrorism/Force Protection requirements have been considered in the development of this project. Sustainable principles, to include Life Cycle cost effective practices, will be integrated into the design, development and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c) and other applicable laws and Executive Orders. Mission requirements, operational considerations and location are incompatible with use by other components. An economic analysis is being prepared comparing the alternatives of new construction, and conversion, but preliminary analysis indicates that conversion of this existing complex is the most economical solution.

CatCode		Requirement	Adequate	Substandard
141-753	SQUADRON OPERATIONS	1,143 SM	0 SM	607 SM
149-511	PILOTLESS AIRCRAFT GUIDANCE ST	1,003 SM	0 SM	2,012 SM
171-212	FLIGHT SIMULATOR TRAINING	167 SM	0 SM	158 SM
131-111	TELECOMMUNICATIONS FACILITY	186 SM	0 SM	186 SM

REPAIR LRS COMPLEX FOR RPA OPERATIONS 2,499 SM = 26,900 SF

1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		March 2014

3. INSTALLATION AND LOCATION
W. K. KELLOGG AIRPORT, MICHIGAN

5. PROJECT TITLE	7. PROJECT NUMBER
RPA BEDDOWN	MBMV129060

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	SEP 2013
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 14	35%
* (d) Date 35% Designed	DEC 2013
(e) Date Design Complete	AUG 2014
(f) Type of Design Contract	
(g) 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	470
(b) All Other Design Costs	52
(c) Total	522
(d) Contract	522
(e) In-House	
(4) Contract Award (Month/Year)	MAR 2015
(5) Construction Start	MAR 2015
(6) Construction Completion	OCT 2016

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

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

POINT OF CONTACT: John Scanlon
(240) 612-8083

1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		March 2014

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PEASE INTERNATIONAL TRADEPORT ANG, NEW HAMPSHIRE	KC-46A ADAL FUEL CELL BUILDING 253

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
51413F	211-179	SZCQ139901	$16,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER FUEL CELL	SM	4,468		13,711
CONSTRUCT ADDITION	SM	1,764	3,714	(6,551)
REPAIR FUEL CELL	SM	2,704	2,648	(7,160)
SUPPORTING FACILITIES				1,200
PAVEMENTS	LS			(1,200)
SUSTAINABILITY AND ENERGY MEASURES	LS			330
SUBTOTAL				15,241
CONTINGENCY (5%)				762
TOTAL CONTRACT COST				16,003
SUPERVISION, INSPECTION AND OVERHEAD (6%)				960
TOTAL REQUEST				16,963
TOTAL REQUEST (ROUNDED)				16,800

10. Description of Proposed Construction: Construct an addition to and repair the existing fuel cell building utilizing conventional 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. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria. Repair supporting utilities, infrastructure and pavements/airfield pavements.
Air Conditioning: 525 KW.

11. REQUIREMENT: 4,468 SM ADEQUATE: 0 SM SUBSTANDARD: 2,704 SM
PROJECT: KC-46A Add/Alter Fuel Cell (New Mission)
REQUIREMENT: An adequate facility properly sized and configured to house a KC-46A fuel cell. The Air Force has not designated an operational base for the first Air National Guard KC-46A tanker aircraft squadron beddown. The first aircraft are expected to be delivered in the third quarter of FY17. The fuel cell hangar will allow inspections and in-tank maintenance tasks, requiring aircraft to be in a controlled environment to satisfy safety, environment and fuel contamination control requirements. The facility should be operational prior to delivery of the first aircraft.
CURRENT SITUATION: The KC-46A is a new aircraft replacing the KC-135. Existing KC-135 facilities cannot effectively fully enclose this new weapon system due to its larger airframe. These facilities are undersized, and lack the required environmental controls.
IMPACT IF NOT PROVIDED: Without this facility the ANG will not be able to provide required and essential fuel cell and corrosion control maintenance operations for the new KC-46A aircraft. The lack of adequate maintenance facilities increase the potential for significant degradation of mission readiness and performance. There are no other facilities or cost-effective workarounds available to accommodate this requirement to support the new mission.
ADDITIONAL: This project meets the criteria/scope specified in Air National Guard Handbook 32-1084 "Facility Requirements" and the KC-46A Facility Requirements Plan. An analysis of reasonable alternatives to meet this requirement (status quo, renovation, new construction) will be accomplished after the basing decision is final, however no other solutions are expected to be cost effective. A certificate of exception will be prepared. Sustainable principles will be integrated into design, development, and construction of the project in accordance with Executive Order 13423, 10 USC

section 2802, and other applicable laws and Executive orders. This space can be used by other airframes on an as "available basis"; however, the scope of the project is based on Air Force requirements.

CatCode		Requirement	Adequate	Substandard
211-179	FUEL SYSTEM MAINTENANCE DOCK	4,468 SM	0 SM	2,704 SM

CONSTRUCT EYEBROW	1,764 SM = 18,985 SF
REPAIR FUEL CELL	2,704 SM = 29,103 SF

1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		March 2014

3. INSTALLATION AND LOCATION
PEASE INTERNATIONAL TRADEPORT ANG, NEW HAMPSHIRE

5. PROJECT TITLE	7. PROJECT NUMBER
KC-46A ADAL FUEL CELL BUILDING 253	SZCQ139901

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	SEP 2013
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 14	35%
* (d) Date 35% Designed	DEC 2013
(e) Date Design Complete	AUG 2014
(f) Type of Design Contract	
(g) Energy Study/Life-Cycle analysis was/will be performed	YES
(2) Basis:	
(a) Standard or Definitive Design -	No
(b) Where Design Was Most Recently Used -	
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	1,479
(b) All Other Design Costs	0
(c) Total	1,479
(d) Contract	1,479
(e) In-House	
(4) Contract Award (Month/Year)	MAR 2015
(5) Construction Start	MAR 2015
(6) Construction Completion	OCT 2017

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

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

POINT OF CONTACT: John R. Gildersleeve
(240) 612-8233

1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		March 2014

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PEASE INTERNATIONAL TRADEPORT ANG, NEW HAMPSHIRE	KC-46A ADAL MAINT HANGAR BUILDING 254

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
51413F	211-111	SZCQ139904	$18,002

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADAL MAINT HANGAR	SM	9,379		14,998
CONSTRUCT EYEBROW	SM	1,764	3,391	(5,982)
REPAIR MAINT HANGAR	SM	7,615	1,184	(9,016)
SUPPORTING FACILITIES				1,000
PAVEMENTS	LS			(1,000)
SUSTAINABILTY AND ENERGY MEASURES	LS			360
SUSTAINABILTY AND ENERGY MEASURES	LS			(360)
SUBTOTAL				16,358
CONTINGENCY (5%)				818
TOTAL CONTRACT COST				17,176
SUPERVISION, INSPECTION AND OVERHEAD (6%)				1,030
TOTAL REQUEST				18,206
TOTAL REQUEST (ROUNDED)				18,002

10. Description of Proposed Construction: Construct an addition to and repair the existing Maintenance Hangar building utilizing conventional design and construction methods to accommodate the mission of the facility. The facility will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria. Repair supporting utilities, infrastructure and pavements/airfield pavements. Alter space for aircraft composites shop.
Air Conditioning: 525 KW.

11. REQUIREMENT: 9,379 SM ADEQUATE: 0 SM SUBSTANDARD: 7,615 SM
PROJECT: KC-46A ADAL Maint Hangar (New Mission)
REQUIREMENT: An adequate facility properly sized and configured to house a KC-46A maintenance hangar. The Air Force has not designated an operational base for the first Air National Guard KC-46A tanker aircraft squadron beddown. The first aircraft are expected to be delivered in the third quarter of FY17. The maintenance hangar will allow inspections and maintenance tasks, requiring aircraft to be in a controlled environment to satisfy safety, environment and technical order considerations. The facility should be operational prior to delivery of the first aircraft.
CURRENT SITUATION: The KC-46A is a new aircraft replacing the KC-135. Existing KC-135 facilities cannot effectively fully enclose this new weapons system due to its larger airframe. These facilities are undersized, and lack the required environmental controls.
IMPACT IF NOT PROVIDED: Without this facility the Air National Guard will not be able to provide required and essential aircraft maintenance operations for the new KC-46A aircraft. The lack of adequate maintenance facilities increase the potential for significant degradation of mission readiness and performance. There are no other facilities or cost-effective workarounds available to accommodate this requirement to support the new mission.
ADDITIONAL: This project meets the criteria/scope specified in Air National Guard Handbook 32-1084 "Facility Requirements" and the KC-46A Facility Requirements Plan. An analysis of reasonable alternatives to meet this requirement (status quo, renovation, new construction) will be accomplished after the basing decision is final, however no other solutions are expected to be cost effective. A

certificate of exception will be prepared. Sustainable principles will be integrated into design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive orders. This space can be used by other airframes on an as "available basis"; however, the scope of the project is based on Air Force requirements.

CatCode		Requirement	Adequate	Substandard
211-111	AIRCRAFT MAINTENANCE HANGAR	9,379 SM	0 SM	7,615 SM

CONSTRUCT EYEBROW	1,764 SM = 18,985 SF
REPAIR MAINT HANGAR	7,615 SM = 81,965 SF

1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		March 2014

3. INSTALLATION AND LOCATION
PEASE INTERNATIONAL TRADEPORT ANG, NEW HAMPSHIRE

5. PROJECT TITLE	7. PROJECT NUMBER
KC-46A ADAL MAINT HANGAR BUILDING 254	SZCQ139904

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	SEP 2013
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 2014	35%
* (d) Date 35% Designed	DEC 2013
(e) Date Design Complete	AUG 2014
(f) Type of Design Contract	IDIQ
(g) Energy Study/Life-Cycle analysis was/will be performed	No
(2) Basis:	
(a) Standard or Definitive Design -	No
(b) Where Design Was Most Recently Used -	
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	1,705
(b) All Other Design Costs	0
(c) Total	1,705
(d) Contract	1,705
(e) In-House	
(4) Contract Award (Month/Year)	MAR 2015
(5) Construction Start	MAR 2015
(6) Construction Completion	OCT 2017

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

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

POINT OF CONTACT: John R. Gildersleeve
(240) 612-8233

1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		March 2014

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PEASE INTERNATIONAL TRADEPORT ANG, NEW HAMPSHIRE	KC-46A ADAL AIRFIELD PAVEMENTS & HYDRANT SYSTEMS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
51413F	113-321	SZCQ139905	$7,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADAL AF PAVEMENTS & HYDRANTS	SM	11,855		6,056
REPAIR CONCRETE PAVEMENT (113-321)	SM	3,213	114	(366)
NEW CONCRETE PAVEMENT (113-321)	SM	6,534	132	(862)
NEW ASPHALT PAVEMENT (113-321)	SM	2,108	108	(228)
RESTRIPE APRON (113-321)	LS			(200)
REPLACE HYDRANT SYSTEM (8) (121-122)	LS			(4,400)
SUPPORTING FACILITIES	LS			350
SUSTAINABILITY AND ENERGY MEASURES	LS			(250)
SUPORTING FACILITIES	LS			(100)
SUBTOTAL				6,406
CONTINGENCY (5%)				320
TOTAL CONTRACT COST				6,726
SUPERVISION, INSPECTION AND OVERHEAD (6%)				403
TOTAL REQUEST				7,129
TOTAL REQUEST (ROUNDED)				7,100

10. Description of Proposed Construction: Construct additions to and alter existing airfield pavements and hydrant systems to accommodate the KC-46A. Facility will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria. The pavements and hydrant system should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria. Repair supporting utilities, infrastructure and pavements. Alter hydrant system for 8 fuel pits and hydrants, mark pavements and install required grounding points.

11. REQUIREMENT: 2,165 SM ADEQUATE: 0 SM SUBSTANDARD: 735 SM

PROJECT: KC-46A Add/Alter Airfield Pavements and Fuel Hydrants (New Mission)

REQUIREMENT: An adequate facility properly sized and configured to accommodate KC-46A operations. The Air Force has not designated an operational base for the first Air National Guard KC-46A tanker aircraft squadron beddown. The first aircraft are expected to be delivered in the third quarter of FY17. Airfield pavement and hydrant systems allow uninterrupted operational support for KC-46A missions. The facility should be operational prior to delivery of the first aircraft.

CURRENT SITUATION: The KC-46A is a new aircraft replacing the KC-135. Existing KC-135 facilities and pavements cannot effectively support this new weapon system. Pavements and hydrant locations are not adequate due to the larger size of the KC-46A airframe.

IMPACT IF NOT PROVIDED: Without this facility the Air National Guard will not be able to provide required parking, fueling, and ramp maintenance operations for the new KC-46A aircraft. The lack of adequate parking apron and hydrant pits increase the potential for significant degradation of mission readiness and performance. There are no other facilities or cost-effective workarounds available to accommodate this requirement to support the new mission.

ADDITIONAL: This project meets the criteria/scope specified in Air National Guard Handbook 32-1084 "Facility Requirements" and the KC-46A Facility Requirements Plan. An analysis of reasonable alternatives to meet this requirement (status quo, renovation, new construction) will be accomplished after the basing decision is final, however initial analysis indicates that no other solutions are expected

to be cost effective. A certificate of exception will be prepared. Sustainable principles will be integrated into design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c), and other applicable laws and Executive orders. This space can be used by other airframes on an as "available basis"; however, the scope of the project is based on Air Force requirements.

CatCode		Requirement	Adequate	Substandard
113-321	APRON	2,165 SM	0 SM	735 SM

REPAIR CONCRETE PAVEMENT (113-321)	650 SM = 778 SY
NEW CONCRETE PAVEMENT (113-321)	1,301 SM = 1,556 SY
NEW ASPHALT PAVEMENT (113-321)	120 SM = 144 SY

1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		March 2014

3. INSTALLATION AND LOCATION
PEASE INTERNATIONAL TRADEPORT ANG, NEW HAMPSHIRE

5. PROJECT TITLE	7. PROJECT NUMBER
KC-46A ADAL AIRFIELD PAVEMENTS & HYDRANT SYSTEMS	SZCQ139905

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	SEP 2013
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 0	35%
* (d) Date 35% Designed	DEC 2013
(e) Date Design Complete	AUG 2014
(f) Type of Design Contract	
(g) 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	505
(b) All Other Design Costs	0
(c) Total	505
(d) Contract	505
(e) In-House	
(4) Contract Award (Month/Year)	MAR 2015
(5) Construction Start	MAR 2015
(6) Construction Completion	OCT 2017

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

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

POINT OF CONTACT: John R. Gildersleeve
(240) 612-8233

1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		March 2014

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HORSHAM AGS, PENNSYLVANIA	RPA OPERATIONS CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
53218F	149-511	ZAWA159061	$5,662

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER PREDATOR OPERATIONS CENTER FACILITY	SM	2,631		4,417
ALTER OPERATIONS CENTER	SM	2,631	1,679	(4,417)
SUPPORTING FACILITIES				672
UTILITIES	LS			(99)
PAVEMENTS	LS			(10)
SITE IMPROVEMENTS	LS			(15)
STANDBY GENERATOR/POWER SUPPLY	LS			(297)
PASSIVE FORCE PROTECTION	LS			(103)
COMMUNICATIONS SUPPORT	LS			(148)
SUSTAINABILITY AND ENERGY MEASURES	LS			118
SUBTOTAL				5,207
CONTINGENCY (5%)				260
TOTAL CONTRACT COST				5,467
SUPERVISION, INSPECTION AND OVERHEAD (6%)				328
TOTAL REQUEST				5,795
TOTAL REQUEST (ROUNDED)				5,662

10. Description of Proposed Construction: Convert existing facilities into a Remotely Piloted Aircraft (RPA) Operations Center utilizing conventional design and construction methods to accommodate the mission of the facility. Facility will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria. Special Construction Requirements: Secure Compartmentalized Information Facility (SCIF); provide standby power generator; wiring racks to accept a unit/user-provided Uninterruptible Power Supply (UPS). Install redundent HVAC. Install raised flooring as required.
Air Conditioning: 350 KW.

11. REQUIREMENT: 2,415 SM ADEQUATE: 0 SM SUBSTANDARD: 2,415 SM
PROJECT: Alter RPA Operations Center Facility (New Mission)
REQUIREMENT: Horsham Air National Guard station (Previously known as Willow Grove) has been selected as a beddown site for a RPA Remote Split Operations (RPA/RSO) unit. The base requires a properly sized and configured facility to support five Ground Control Stations (GCS), three permanent and two deployable; a RPA Mission Control Element (MCE), a Primary Predator Satellite Link (PPSL) location, and a RPA Squadron Operations area. The mission requires robust and redundant communications support with connectivity to two communications switches. Communications requirements include Non-Secure Internet Protocol Router Network (NIPRNET), SECRET Internet Protocol Router Network (SIPRNET) Joint Worldwide Intelligence Communications System (JWICS), Defense Switched Network (DSN), and video-link capabilities. MCE spaces include: administrative spaces, latrine facilities, minor break area, a controlled entry space, communications closet, and a critical SCIF function. All RPA facilities require redundant communications connectivity which will require extension and looping of communications lines and switches. The allocation of space within this facility is as follows: 186 SM (2,000 SF) for the base communications switch room; 186 SM (2,000 SF) for one mobile Ground Control Station (GCS); 98 SM (1,000 SF) for two fixed GCSs; 186 SM

(2,000 SF) for simulator operations and training; 893 SM (9,000 SF) for the 1 plus 2 orbit MCE to support the mission operations; and 1,561 SM (10,000 SF) for squadron operations and support activities.

CURRENT SITUATION: The facility is correctly sited for the mission, however the facility interior requires significant work to convert the space to the security and operational space of the RPA mission. The building does not have the required communications and security systems. The interior room configuration is not compatible with the RPA mission and the building does not have the required back up and standby power.

IMPACT IF NOT PROVIDED: RPA system beddown cannot occur by the required Full Operationsal Capability date. No other existing facility can accommodate the mission within this timeline. Communication support cannot be provided to any other existing or non-existing facility in the time required. Forced use of existing facilities without appropriate conversion/reconfiguration would not accommodate mission requirements and would result in security violations due to the high sensitivity of this mission. The Air Force will not be able to meet the requirement to provide 65 combat air patrols.

ADDITIONAL: This project meets the criteria/scope specified in Air National Guard Handbook 32-1084, "Facility Requirements" and is in compliance with the base master plan. Antiterrorism/Force Protection requirements have been considered in the development of this project. Sustainable principles, to include Life Cycle cost effective practices, will be integrated into the design, development and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c) and other applicable laws and Executive Orders. Mission requirements, operational considerations and location are incompatible with use by other components. An economic analysis is being prepared comparing the alternatives of new construction, revitalization, and status quo operation, but preliminary analysis indicates that converison of this existing facility is the most economical solution.

CatCode		Requirement	Adequate	Substandard
149-511	PILOTLESS AIRCRAFT GUIDANCE ST	2,415 SM	0 SM	2,415 SM

ALTER OPERATIONS CENTER 2,631 SM = 28,324 SF

1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		March 2014

3. INSTALLATION AND LOCATION
HORSHAM AGS, PENNSYLVANIA

5. PROJECT TITLE	7. PROJECT NUMBER
RPA OPERATIONS CENTER	ZAWA159061

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	AUG 2013
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 2014	35%
* (d) Date 35% Designed	DEC 2013
(e) Date Design Complete	AUG 2014
(f) Type of Design Contract	
(g) 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	425
(b) All Other Design Costs	75
(c) Total	500
(d) Contract	500
(e) In-House	
(4) Contract Award (Month/Year)	MAR 2015
(5) Construction Start	MAR 2015
(6) Construction Completion	OCT 2016

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

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

POINT OF CONTACT: Mark Mittler
(240) 612-8712

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DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2015

APPROPRIATION: MILITARY CONSTRUCTION -- AIR NATIONAL GUARD

PROGRAM 313: PLANNING AND DESIGN $7,700,000

PART I -- PURPOSE AND SCOPE

The funds estimated in this program are to provide financing for project planning and design of the construction requirements for the Air National Guard.

PART II -- JUSTIFICATION OF FUNDS REQUESTED

The funds required for Planning and Design will provide for establishing project construction design of the facilities and for fully evaluating each designed project in terms of technical adequacy and estimated costs.

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1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		March 2014

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
VARIOUS LOCATIONS	PLANNING AND DESIGN

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
52276F	999-999	PAYZ150005	$7,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PLANNING AND DESIGN (P-313)	LS			7,700
SUBTOTAL				7,700
TOTAL CONTRACT COST				7,700
TOTAL REQUEST				7,700

10. Description of Proposed Construction: The funds requested will provide for the architectural and engineering services necessary to fully evaluate each project's technical adequacy and estimated cost, and complete final design of facilities. In addition, the funds are required to prepare working drawings, specifications, and project reports for the design of construction projects to be included in future Air National Guard (ANG) Military Construction (MILCON) Programs.

11. REQUIREMENT: As Required

PROJECT: Planning and Design

REQUIREMENT: The ANG requires planning and design funds for projects that are to be included in future MILCON programs. The FY 2015 design funds are needed to complete the design for those projects that are to be included in the FY 2015 MILCON program and to begin the design for those projects to be included in the FY 2016 program. Funds also provide for design of the FY 2015 unspecified minor construction program.

CURRENT SITUATION: The ANG requires the design money in FY 2015 to ensure the design milestones for the FY 2015 and FY 2016 MILCON Programs, as mandated by Department of Defense (DOD) Instruction 1225.8, are met.

IMPACT IF NOT PROVIDED: The ANG will not be able to effectively administer future year MILCON programs. Insufficient design funds will translate into late design completion, later construction starts, higher construction costs, and the inability to meet DoD and Congressionally mandated execution rates, and degrade the operational mission and training by the delays in construction completion.

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DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2015

APPROPRIATION: MILITARY CONSTRUCTION -- AIR NATIONAL GUARD

PROGRAM 341: UNSPECIFIED MINOR CONSTRUCTION $8,100,000

PART I -- PURPOSE AND SCOPE

The funds estimated in this program are to provide financing for new construction and alteration projects having cost estimates over $750,000 but not exceeding $2,000,000, which are not otherwise authorized by law.

PART II -- JUSTIFICATION OF FUNDS REQUESTED

The funds required for Unspecified Minor Construction will finance projects for which the urgency is such that they could not be included in the regular Military Construction Program for the Air National Guard, and such that they exceed the minor construction authorization limit in the Operation and Maintenance Appropriation.

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1. COMPONENT	FY 2015 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		March 2014

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
VARIOUS LOCATIONS	UNSPECIFIED MINOR CONSTRUCTION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
52276F	999-999	PAYZ150006	$8,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNSPECIFIED MINOR CONSTRUCTION (P-341)	LS			8,100
SUBTOTAL				8,100
TOTAL CONTRACT COST				8,100
TOTAL REQUEST				8,100

10. Description of Proposed Construction: Provides funding for unspecified minor construction projects not otherwise authorized by law and having a funded cost between $750,000 and $2,000,000. Projects include construction, alteration, or conversion of permanent or temporary facilities. The Secretary of the Air Force has the authority to approve projects of this nature under the provisions of 10 U. S. Code, 18233a and 10 U. S. Code, 2805.

11. REQUIREMENT: As Required

PROJECT: Unspecified Minor Construction Program

REQUIREMENT: This program provides the means of accomplishing urgent, unforeseen projects costing over $750,000, but not exceeding $2,000,000. The project requirements are anticipated to arise during late FY 2014 or FY 2015, and would be needed to satisfy critical, urgent mission beddowns and weapon system conversions, or to meet serious and urgent health, safety, and environmental requirements. The late identification of these requirements prevents their inclusion in the FY 2015 MILCON program and the projects cannot wait for the FY 2016 program. The requested funds are not a percent of the budget, but are based on historical trends. Routine and non-urgent projects are not funded from this account.

CURRENT SITUATION: As in the recent past, it is expected that the Air Force will continue to transfer missions and force structure into the ANG. These aircraft conversions and beddowns generate facility requirements that are often late-to-need using normal MILCON programming avenues. The urgency of the required projects is driven by the arrival of new aircraft and equipment, or the need to eliminate immediate health, safety or environmental requirements or personnel growth.

IMPACT IF NOT PROVIDED: Unable to adequately support mission conversions and beddowns. More expensive workarounds will have to be used. Formal reprogramming is the only other option available; however, funds may not be available for these reprogrammings.

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DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2015

SECTION III

INSTALLATION DATA

1. COMPONENT ANG	FY 2015 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE March 2014
3. INSTALLATION AND LOCATION BRADLEY INTERNATIONAL AIRPORT, EAST GRANBY		4. AREA CONSTR COST INDEX 1.18

5. FREQUENCY AND TYPE OF UTILIZATION

Four unit training assemblies per month, 15 days annual field training per year, daily use by technician/AGR force and for training.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS

Four Army National Guard Installations

7. PROJECTS REQUESTED IN THIS PROGRAM: FY 2015

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS CMPL
211-179	Construct C-130 Fuel Cell and Corrosion Control Facility	2,750 SM (29,600 SF)	16,306	Apr 13	Jul 13

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Facilities identified in item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommendations are: Unilateral Construction Approved 04 Apr 13 (Date)

9. LAND ACQUISITION REQUIRED None (Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)
130-142	Replace Fire Station	1,933 SM (20,800 SF)	8,500
171-873	Construct Small Air Terminal	1,477 SM (15,900 SF)	5,000

R&M Unfunded Requirement: $19,499,000

1. COMPONENT ANG	FY 2015 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE March 2014

3. INSTALLATION AND LOCATION

BRADLEY INTERNATIONAL AIRPORT, EAST GRANBY

11. PERSONNEL STRENGTH AS OF 10 Jun 13

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	324	13	69	242	976	126	850
ACTUAL	318	12	80	226	895	97	798

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
103 Maintenance Flight	57	40
103 Airlift Wing	41	44
103 Operations Group	8	3
103 Operations Support Flight	46	29
118 Airlift Squadron	99	32
103 Maintenance Group	15	12
103 Maintenance Squadron	228	176
103 Maintenance Operations Flight	27	21
103 Mission Support Group	8	8
103 Civil Engineering Squadron	91	100
103 Communication Flight	31	41
103 Force Support Squadron	46	50
103 Logistics Readiness Squadron	124	82
103 Security Forces Squadron	74	75
103 Medical Group	51	50
103 Comptroller Flight	12	15
103 Student Flight	18	117
TOTALS	976	895

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Support Equipment	180	130
Refuelers	3	3
Vehicle Equivalents	231	231
Vehicles	103	83
C-130 (8-9)	8	2

14 OUTSTANDING POLLUTION AND SAFETY(OSHA) DEFICIENCIES FY 2015

CATEGORY CODE	PROJECT TITLE	SCOPE	CST $(000)	DESIGN STATUS START	CMPL
NONE					

1. COMPONENT ANG	FY 2015 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE March 2014
3. INSTALLATION AND LOCATION DES MOINES INTERNATIONAL AIRPORT, DES MOINES		4. AREA CONSTR COST INDEX .95

5. FREQUENCY AND TYPE OF UTILIZATION

Four Unit Training Assemblies per month, Two days for a primary UTA and another two days scheduled for a secondary UTA (SUTA) per month. In addition 15 days of annual field training days per year. Daily operatiion Tuesday thru Friday, 0700-1730. A smaller staff is also available on Mondays from 0700-1630. Daily use by technician and AGR force for training.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS

Camp Dodge, Johnstown, Iowa (10 miles), Des Moines Reserve Complex, Des Moines, IA (1 mile)

7. PROJECTS REQUESTED IN THIS PROGRAM: FY 2015

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS CMPL
149-511	Remotely Piloted Aircraft and Targeting Group Beddown	3,094 SM (33,300 SF)	8,993	Sept 13	Aug 14

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Facilities identified in item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommendations are: Unilateral Construction Approved 01 Sep 13 (Date)

9. LAND ACQUISITION REQUIRED None (Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)
149-511	AOG Beddown	3,094 SM (33,300 SF)	9,100
	R&M Unfunded Requirement: $16,905,000		

1. COMPONENT ANG	FY 2015 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE March 2014

3. INSTALLATION AND LOCATION

DES MOINES INTERNATIONAL AIRPORT, DES MOINES

11. PERSONNEL STRENGTH AS OF 12 Jul 13

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	290	33	252	5	1,004	254	750
ACTUAL	274	29	240	5	970	142	828

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
132 WING	38	38
132 Intel	230	200
132 Logistics Readiness Squadron	42	78
132 LRE	15	15
132 Force Support Squadron	49	49
132 Mission Support Group	8	8
132 Communication Flight	30	30
132 Civil Engineering Squadron	42	45
132 Security Forces Squadron	74	74
132 CMPT	12	12
132 Medical Squadron	43	46
132 DTOC	41	22
132 JFHQ	31	31
132 Student Flight	0	35
132 RPAG	208	200
132 Air Operational Group	141	87
TOTALS	1,004	970

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Vehicle Equivalents	84	104
Vehicles	95	95

14 OUTSTANDING POLLUTION AND SAFETY(OSHA) DEFICIENCIES FY 2013

CATEGORY CODE	PROJECT TITLE	SCOPE	CST $(000)	DESIGN STATUS START	CMPL

NONE

1. COMPONENT ANG	FY 2015 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE March 2014
3. INSTALLATION AND LOCATION W. K. KELLOGG AIRPORT, BATTLE CREEK		4. AREA CONSTR COST INDEX 1.15

5. FREQUENCY AND TYPE OF UTILIZATION

Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS

2 Army National Guard Armories, 1 Army Training Center, 1 Naval/Marine Reserve Center

7. PROJECTS REQUESTED IN THIS PROGRAM: FY 2015

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS CMPL
141-753	RPA Beddown	2,499 SM (26,900 SF)	6,000	Sep 13	Aug 14

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Facilities identified in item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommendations are: Unilateral Construction Approved 25 Mar 11 (Date)

9. LAND ACQUISITION REQUIRED None (Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)
	R&M Unfunded Requirement $14,500,000		

1. COMPONENT	FY 2015 GUARD AND RESERVE	2. DATE
ANG	MILITARY CONSTRUCTION	March 2014

3. INSTALLATION AND LOCATION

W. K. KELLOGG AIRPORT, BATTLE CREEK

11. PERSONNEL STRENGTH AS OF 3 Sep 13

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	311	55	216	40	863	225	638
ACTUAL	269	45	186	38	886	183	703

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
110 Maintenance Squadron	0	97
110 Aircraft Maintenance Squadron	0	7
110 Maintenance Group	0	8
110 Comptroller Flight	12	13
110 Air Operational Group	250	239
110 Civil Engineering Squadron	93	96
110 Communication Flight	30	34
110 Medical Squadron	45	50
110 Force Support Squadron	41	41
110 Operations Support Flight	31	17
110 Operations Group	9	12
110 Security Forces Squadron	74	82
110 Mission Support Group	8	7
172 Airlift Squadron	33	30
110 Student Flight	22	0
110 Maintenance Operations Flight	0	15
110 Airlift Wing	38	37
110 Logistics Readiness Squadron	42	71
TOTALS	728	856

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Vehicles	79	79
C-21 Aircraft	3	4
Support Equipment	159	159
Vehicle Equivalents	259	259

14 OUTSTANDING POLLUTION AND SAFETY(OSHA) DEFICIENCIES FY 2015

CATEGORY CODE	PROJECT TITLE	SCOPE	CST $(000)	DESIGN STATUS START	CMPL

NONE

1. COMPONENT ANG	FY 2015 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE March 2014
3. INSTALLATION AND LOCATION PEASE INTERNATIONAL TRADEPORT ANG, PORTSMOUTH		4. AREA CONSTR COST INDEX 1.12

5. FREQUENCY AND TYPE OF UTILIZATION

Four unit training assemblies per month, 15 days annual field training per year, daily use by Technician, AGR, Active Duty force and for training.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS

One (1) Army Reserve facilities, three (3) Coast Guard facilities

7. PROJECTS REQUESTED IN THIS PROGRAM: FY 2015

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS CMPL
211-179	KC-46A ADAL Fuel Cell Bldg 253	4,468 SM (48,088 SF)	168000		
211-111	KC-46A ADAL Maint Hangar Bldg 254	9,379 SM (100,950 SF)	18,002		
113-321	KC-46A ADAL Airfield Pavements & Hydrant Systems	2,164 SM (2,589 SY)	7,100		

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Facilities identified in item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommendations are: Unilateral Construction Approved 14 Jun 12 (Date)

9. LAND ACQUISITION REQUIRED None (Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)
171-212	KC-46A Install FUSELAGE TRAINER (BLD 251)	2,788 SM (30,007 SF)	1,485
171-212	KC-46A ADAL FLT SIM BLD 156	790 SM (8,499 SF)	2,768

R&M Unfunded Requirement: $0

1. COMPONENT ANG	FY 2015 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE March 2014

3. INSTALLATION AND LOCATION

PEASE INTERNATIONAL TRADEPORT ANG, PORTSMOUTH

11. PERSONNEL STRENGTH AS OF 22 Jun 12

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	483	31	224	228	1,025	156	869
ACTUAL	468	32	219	217	1,041	143	898

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
64 Air Refueling Squadron	128	110
157 Aircraft Maintenance Squadron	62	57
133 Air Refueling Squadron	60	60
157 Air Refueling Wing	46	46
157 Civil Engineering Squadron	93	89
157 Communication Flight	32	32
157 Comptroller Flight	12	12
157 HQ ANG	36	36
157 Maintenance Group	17	16
157 Logistics Readiness Squadron	108	101
157 Maintenance Operations Flight	22	22
157 Medical Group	98	78
157 Maintenance Squadron	162	149
157 Force Support Squadron	41	37
157 Operations Group	21	17
157 Operations Flight	22	19
157 Security Forces Squadron	74	66
157 Mission Support Group	8	10
260 Air Traffic Control Squadron	90	78
157 Student Flight	21	116
TOTALS	1,153	1,151

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
KC-135R Aircraft	8	9
Vehicle Equivalents	604	369
Vehicles	161	183

14 OUTSTANDING POLLUTION AND SAFETY(OSHA) DEFICIENCIES FY 2015

CATEGORY CODE	PROJECT TITLE	SCOPE	CST $(000)	DESIGN STATUS START	CMPL

NONE

1. COMPONENT ANG	FY 2015 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE March 2014
3. INSTALLATION AND LOCATION HORSHAM AGS, PHILADELPHIA		4. AREA CONSTR COST INDEX 1.11

5. FREQUENCY AND TYPE OF UTILIZATION

Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS

-Co-located adjacent to PA-Army Reserve, Horsham, PA - Army National Guard, Northeast Philadelphia, PA

7. PROJECTS REQUESTED IN THIS PROGRAM: FY 2015

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS CMPL
149-511	RPA Operations Center	2,631 SM (28,324 SF)	5,662	Aug 13	Jun 14

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Facilities identified in item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommendations are: Unilateral Construction Approved 22 Aug 10 (Date)

9. LAND ACQUISITION REQUIRED None (Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)

R&M Unfunded Requirement: $0

1. COMPONENT	FY 2015 GUARD AND RESERVE	2. DATE
ANG	MILITARY CONSTRUCTION	March 2014

3. INSTALLATION AND LOCATION

HORSHAM AGS, PHILADELPHIA

11. PERSONNEL STRENGTH AS OF 21 Jun 12

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	228	40	187	1	975	95	880
ACTUAL	157	31	126	0	721	41	680

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
111 Fighter Wing	249	42
111 Medical Squadron	34	33
111 Mission Support Group	33	33
111 MDF	52	56
111 Security Forces Squadron	63	63
111 Communication Flight	34	34
111 Force Support Squadron	43	42
201 Red Horse Squadron	200	179
270 Engineering Installation Squadron	110	106
111 Student Flight	24	34
111 Air Operational Group	133	101
TOTALS	975	723

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
270 EIS	36	35
RED Horse	77	48
Support Equipment	100	89
Vehicle Equivalents	672	672

14 OUTSTANDING POLLUTION AND SAFETY(OSHA) DEFICIENCIES FY 2015

CATEGORY CODE	PROJECT TITLE	SCOPE	CST $(000)	DESIGN STATUS START	CMPL

NONE

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DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2015

SECTION IV

FUTURE YEARS DEFENSE PLAN (FYDP)

FISCAL YEAR LISTING

Air National Guard
Fiscal Years Defense Plan (FYDP) By Year

Component	FY	APPN	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount ($000)	Change from FY14 PB	Explanation of Changes	Footprint
Guard	2016	3830	BRKR009063	Birmingham International Airport	AL	Security and Services Training Facility	52276F	730-835	6,400	0	Was out of FYDP in FY14 - now Tag #2 for state	New
Guard	2016	3830	HKRZ129076	Ft Smith Municipal Airport	AR	NDAA Construct DGS RPA IS SCIF	55208F	141-454	13,200	(151)	Beddown of new mission. Combined facility for 3 missions (RPA, Targeting, DGS). PA reduced for inflation RMD	New
Guard	2016	3830	QMSN099104	Moffett Federal Airfield	CA	Replace Vehicle Maintenance Facility	52276F	214-425	6,426	(75)	Deferred from FY14 in the FY13PB. PA Changed to balance (reduced $800K). PA reduced for inflation RMD	Existing
Guard	2016	3830	FFAN139009	Des Moines International Airport	IA	NDAA: AOG BEDDOWN - RENOVATE BUILDING 430	52672F	141-454	8,897	(103)	New from PB14. Beddown of new mission. PA reduced due to inflation RMD	Existing
Guard	2016	3830	KKGA129066	Hector International Airport	ND	Intel Targeting Facilities	53117F	141-454	5,239	500	Beddown of new mission. PA reduced for inflation RMD	New
Guard	2016	3830	SZCQ139903	Pease International Tradeport ANG	NH	KC-46A ADAL FLT SIM BLD 156	51413F	171-212	2,768	(32)	New from PB14. Beddown of KC-46. PA reduced for inflation RMD	Existing
Guard	2016	3830	AQRC059093	Atlantic City International Airport	NJ	Fuel Cell and Corrosion Control Hangar and Shops	52276F	211-179	10,084	(117)	Deferred from FY17 in PB14 May have 25 year lease issue. PA reduced for inflation RMD	New
Guard	2016	3830	RVKQ139005	Niagara Falls International Airport	NY	Remotely Piloted Aircraft Beddown, Building 912	53218F	141-753	5,931	(69)	PA reduced for inflation RMD	
Guard	2016	3830	YZEU139006	Will Rogers World Airport	OK	Medium Altitude Manned ISR Beddown	53230F	211-111	9,886	(115)	PA reduced for inflation RMD	
Guard	2016	3830	KJAQ099058	Klamath Falls Airport - Kingsley Field	OR	Replace Fire Station	52276F	130-142	6,800	(200)	was FY17 (PB14).	New
Guard	2016	3830	TWLR039103	Quonset State Airport	RI	Replace Fire Station	52276F	130-142	10,000		Defered from FY15(PB14).	New
Guard	2016	3830	PAYZ160006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	14,355	4,855	PA increased by $4.855M	
Guard	2016	3830	PAYZ160005	Unspecified	VL	Planning and Design	52276F	961-000	11,850	3,200	PA increased by $3.2M	
						TOTAL MAJOR CONSTRUCTION			**111,836**			

Air National Guard
Fiscal Years Defense Plan (FYDP) By Year

Component	FY	APPN	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount ($000)	Change from FY14 PB	Explanation of Changes	Footprint
Guard	2017	3830	FAKZ059173	Montgomery Regional Airport (ANGB)	AL	TFI - Replace Squadron Operations Facility	52276F	141-753	7,129	(71)	Deferred from FY16 in FY14PB. State #1 pri. PA reduced for inflation RMD	Existing
Guard	2017	3830	JLWS019054	New Castle County Airport	DE	Replace Fuel Cell and Corrosion Control Hangar and Shops	52276F	211-179	11,089	(111)	Was out of FYDP in PB14. PA reduced for inflation RMD	Existing
Guard	2017	3830	XDQU949500	Savannah/Hilton Head IAP	GA	C-130 Squadron Operations Facility	52276F	141-753	9,010	(90)	Was FY16 in FY14PB. PA reduced for inflation RMD.	New
Guard	2017	3830	VUBV109002	Smoky Hill ANG Range	KS	Range Training Support Facilities	52276F	171-471	2,900	(100)	Out of FYDP from FY17 (PB14).	Existing
Guard	2017	3830	RQLH079073	Naval Air Station Joint Reserve Base	LA	Replace Squadron Operations Facility	52276F	141-753	9,604	(96)	Was FY16 in FY14PB. PA reduced for inflation RMD	Existing
Guard	2017	3830	FKNN059220	Bangor International Airport	ME	Add to and Alter Fire Crash/Rescue Station	52276F	130-142	6,900	(300)	Out of FYDP from FY17 (PB14).	New
Guard	2017	3830	FMKM089018	Duluth International Airport	MN	Load Crew Training and Weapon Release Shops	52276F	215-552	7,623	(75)	Was FY17 in PB14. PA reduced for inflation RMD	New
Guard	2017	3830	SZCQ139902	Pease International Tradeport ANG	NH	KC-46A Install FUSELAGE TRAINER (BLD 251)	51413F	171-212	1,485	(15)	New from PB14 - Beddown of KC-46. PA reduced for inflation RMD	Existing
Guard	2017	3830	PAYZ170006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	11,200	6,200	PA increased by $6.2M	
Guard	2017	3830	PAYZ170005	Unspecified	VL	Planning and Design	52276F	961-000	11,000	7,800	PA increased by $7.8M	
						TOTAL MAJOR CONSTRUCTION			**77,940**			

Component	FY	APPN	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount ($000)	Change from FY14 PB	Explanation of Changes	Footprint
Guard	2018	3830	CRWU069125	Buckley Air Force Base	CO	ASE Maintenance and Storage Facility	52276F	218-712	5,051	(50)	Was FY18 in FB14. PA reduced for inflation RMD	Existing
Guard	2018	3830	CEKT139042	Bradley International Airport	CT	Construct Small Air Terminal	54332F	171-873	4,951	(49)	Support beddown of new C-130 mission. PA reduced for inflation RMD	New
Guard	2018	3830	SAKW109201	Northwest Field-Anderson AFB	GU	RED HORSE Operational Facility	52276F	171-445	5,200	(300)	Was out of FYDP (PB14)	New
Guard	2018	3830	JLQN049119	General Wayne A. Downing Peoria IAP (ANG)	IL	Construct Fire Crash/Rescue Station	52276F	130-142	8,714	(86)	Was out of FYDP in PB14. PA reduced for inflation RMD	Existing

Air National Guard
Fiscal Years Defense Plan (FYDP) By Year

Component	FY	APPN	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount ($000)	Change from FY14 PB	Explanation of Changes	Footprint
Guard	2018	3830	LRXQ989041	Jackson International Airport	MS	Security Forces and Medical Training Facility	52276F	730-835	8,000	0	Was FY2018 (PB14).	New
Guard	2018	3830	FJRP089066	Charlotte/Douglas International Airport	NC	Replace C-130 Squadron Operations Facility	52276F	141-753	9,011	(89)	Defered from FY16 in PB14. PA reduced for inflation RMD	New
Guard	2018	3830	WKVB089082	Francis S. Gabreski Airport	NY	Add to and Alter Maintenance Complex	52276F	211-152	8,300		Was from FY16 (PB14).	New
Guard	2018	3830	PSTE009070	McEntire Joint National Guard Base	SC	Replace Operations and Training Facility	52276F	171-445	7,328	(72)	Was FY18 in PB14. PA reduced for inflation RMD	New
Guard	2018	3830	LUXC099042	Joe Foss Field	SD	Aircraft Maintenance Shops	52276F	217-712	11,500	(759)	Was FY17 (PB14).	New
Guard	2018	3830	PAYZ180006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	12,000	6,000	PA increased by $6M	
Guard	2018	3830	PAYZ180005	Unspecified	VL	Planning and Design	52276F	961-000	14,950	10,050	PA increased by $10.05M	
						TOTAL MAJOR CONSTRUCTION			**95,005**			
Component	FY	APPN	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount ($000)	Change from FY14 PB	Explanation of Changes	Footprint
Guard	2019	3830	LSGA019179	Jacksonville International Airport	FL	Replace Fire Crash/Rescue Station	52276F	130-142	8,839	(661)	Was FY18 (FY14PB). Previous state priotiy was #1. No state pri submitted in 2015 call. No BCAMP validation. Base not primary FD response on Airfield.	New
Guard	2019	3830	LDXF129044	Hulman Regional Airport	IN	Construct Small Arms Range	52276F	171-475	5,500			
Guard	2019	3830	WEAS079054	Louisville International Airport - Standiford Field	KY	ADALT RESPONSE FORCES (RF) FACILITY PHASE I	54123F	171-445	7,084	(116)	Deferred from FY18 (PB14). PA reduced for inflation RMD	New
Guard	2019	3830	SPBN019139	Otis ANGB	MA	Consolidate Base Civil Engineer Facilities	52276F	219-944	6,600		was FY18 (PB14).	Existing
Guard	2019	3830	TDVG049136	Alpena County Regional Airport	MI	Replace Troop Training Quarters	52276F	725-517	9,200	(400)	Was Out of FYDP (PB14)	New
Guard	2019	3830	PTFL000605	Joint Base McGuire-Dix-Lakehurst	NJ	Replace Vehicle Maintenance Complex	52276F	214-425	5,400	(200)	Was FY18 (PB14).	New
Guard	2019	3830	EUBC009109	Camp Perry ANG Station	OH	RED HORSE Logistics Complex	52276F	442-758	5,600			

Air National Guard
Fiscal Years Defense Plan (FYDP) By Year

Component	FY	APPN	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount ($000)	Change from FY14 PB	Explanation of Changes	Footprint
Guard	2019	3830	PAYZ190005	Unspecified	VL	Planning and Design	52276F	961-000	12,800	6,797	PA increased by $6.797M	
Guard	2019	3830	PAYZ190006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	13,000	1,000	PA increased by $1M	
Guard	2019	3830	LYBH049066	Yeager Airport	WV	Force Protection- Relocate Coonskin Road	52276F	851-147	4,920	(81)	Was FY16 in PB14. PA reduced for inflation RMD	New
						TOTAL MAJOR CONSTRUCTION			**78,943**			

DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2015

SECTION IV

FUTURE YEARS DEFENSE PLAN (FYDP)

STATE/INSTALLATION LISTING

Air National Guard
Future Years Defense Plan (FYDP) By State

Component	FY	APPN	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount ($000)	Changes from FY 14 PB	Explanation of Changes	Footprint
Guard	2016	3830	BRKR009063	Birmingham International Airport	AL	Security and Services Training Facility	52276F	730-835	6,400	0	Was out of FYDP in FY14 - now Tag #2 for state	New
Guard	2017	3830	FAKZ059173	Montgomery Regional Airport (ANGB)	AL	TFI - Replace Squadron Operations Facility	52276F	141-753	7,129	(71)	Deferred from FY16 in FY14PB. State #1 pri. PA reduced for inflation RMD	Existing
Guard	2016	3830	HKRZ129076	Ft Smith Municipal Airport	AR	NDAA Construct DGS RPA IS SCIF	55208F	141-454	13,200	(151)	Beddown of new mission. Combined facility for 3 missions (RPA, Targeting, DGS). PA reduced for inflation RMD	New
Guard	2016	3830	QMSN099104	Moffett Federal Airfield	CA	Replace Vehicle Maintenance Facility	52276F	214-425	6,426	(75)	Deferred from FY14 in the FY13PB. PA Changed to balance (reduced $800K). PA reduced for inflation RMD	Existing
Guard	2018	3830	CRWU069125	Buckley Air Force Base	CO	ASE Maintenance and Storage Facility	52276F	218-712	5,051	(50)	Was FY18 in FB14. PA reduced for inflation RMD	Existing
Guard	2018	3830	CEKT139042	Bradley International Airport	CT	Construct Small Air Terminal	54332F	171-873	4,951	(49)	Support beddown of new C-130 mission. PA reduced for inflation RMD	New
Guard	2017	3830	JLWS019054	New Castle County Airport	DE	Replace Fuel Cell and Corrosion Control Hangar and Shops	52276F	211-179	11,089	(111)	Was out of FYDP in PB14. PA reduced for inflation RMD	Existing
Guard	2019	3830	LSGA019179	Jacksonville International Airport	FL	Replace Fire Crash/Rescue Station	52276F	130-142	8,839	(661)	Was FY18 (FY14PB). Previous state priotiy was #1. No state pri submitted in 2015 call. No BCAMP validation. Base not primary FD response on Airfield.	New
Guard	2017	3830	XDQU949500	Savannah/Hilton Head IAP	GA	C-130 Squadron Operations Facility	52276F	141-753	9,010	(90)	Was FY16 in FY14PB. PA reduced for inflation RMD.	New

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Component	FY	APPN	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount ($000)	Changes from FY 14 PB	Explanation of Changes	Footprint
Guard	2018	3830	SAKW109201	Northwest Field-Anderson AFB	GU	RED HORSE Operational Facility	52276F	171-445	5,200	(300)	Was out of FYDP (PB14)	New
Guard	2016	3830	FFAN139009	Des Moines Intemational Airport	IA	NDAA: AOG BEDDOWN - RENOVATE BUILDING 430	52672F	141-454	8,897	(103)	New from PB14. Beddown of new mission. PA reduced due to inflation RMD	Existing
Guard	2018	3830	JLQN049119	General Wayne A. Downing Peoria IAP	IL	Construct Fire Crash/Rescue Station	52276F	130-142	8,714	(86)	Was out of FYDP in PB14. PA reduced for inflation RMD	Existing
Guard	2019	3830	LDXF129044	Hulman Regional Airport	IN	Construct Small Arms Range	52276F	171-475	5,500			
Guard	2017	3830	VUBV109002	Smoky Hill ANG Range	KS	Range Training Support Facilities	52276F	171-471	2,900	(100)	Out of FYDP from FY17 (PB14).	Existing
Guard	2019	3830	WEAS079054	Louisville International Airport - Standifo	KY	ADALT RESPONSE FORCES (RF) FACILITY PHASE I	54123F	171-445	7,084	(116)	Deferred from FY18 (PB14). PA reduced for inflation RMD	New
Guard	2017	3830	RQLH079073	Naval Air Station Joint Reserve Base	LA	Replace Squadron Operations Facility	52276F	141-753	9,604	(96)	Was FY16 in FY14PB. PA reduced for inflation RMD	Existing
Guard	2019	3830	SPBN019139	Otis ANGB	MA	Consolidate Base Civil Engineer Facilities	52276F	219-944	6,600		Defered from FY18 (PB14).	Existing

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Guard	2017	3830	FKNN059220	Bangor International Airport	ME	Add to and Alter Fire Crash/Rescue Station	52276F	130-142	6,900	(300)	Out of FYDP from 2017 (PB14).	New
Guard	2019	3830	TDVG049136	Alpena County Regional Airport	MI	Replace Troop Training Quarters	52276F	725-517	9,200	(400)	Was Out of FYDP (PB14)	New
Guard	2017	3830	FMKM089018	Duluth International Airport	MN	Load Crew Training and Weapon Release Shops	52276F	215-552	7,623	(75)	Was FY17 in PB14. PA reduced for inflation RMD	New
Guard	2018	3830	LRXQ989041	Jackson International Airport	MS	Security Forces and Medical Training Facility	52276F	730-835	8,000	0	Was FY18 (PB14).	New
Guard	2018	3830	FJRP089066	Charlotte/Douglas International Airport	NC	Replace C-130 Squadron Operations Facility	52276F	141-753	9,011	(89)	Defered from FY16 in PB14. PA reduced for inflation RMD	New
Guard	2016	3830	KKGA129066	Hector International Airport	ND	Intel Targeting Facilities	53117F	141-454	5,239	500	Beddown of new mission. PA reduced for inflation RMD	New
Guard	2016	3830	SZCQ139903	Pease International Tradeport ANG	NH	KC-46A ADAL FLT SIM BLD 156	51413F	171-212	2,768	(32)	New from PB14. Beddown of KC-46. PA reduced for inflation RMD	Existing
Guard	2017	3830	SZCQ139902	Pease International Tradeport ANG	NH	KC-46A Install FUSELAGE TRAINER (BLD 251)	51413F	171-212	1,485	(15)	New from PB14 - Beddown of KC-46. PA reduced for inflation RMD	Existing

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Guard	2016	3830	AQRC059093	Atlantic City International Airport	NJ	Fuel Cell and Corrosion Control Hangar and Shops	52276F	211-179	10,084	(117)	Deferred from 2017 in PB14 May have 25 year lease issue. PA reduced for inflation RMD	New
Guard	2019	3830	PTFL000605	Joint Base McGuire-Dix-Lakehurst	NJ	Replace Vehicle Maintenance Complex	52276F	214-425	5,400	(200)	Was FY18 (PB14).	New
Guard	2016	3830	RVKQ139005	Niagara Falls International Airport	NY	Remotely Piloted Aircraft Beddown, Building 912	53218f	141-753	5,931	(69)	PA reduced for inflation RMD	
Guard	2018	3830	WKVB089082	Francis S. Gabreski Airport	NY	Add to and Alter Maintenance Complex	52276F	211-152	8,300		Defered from FY16 (PB14).	New
Guard	2019	3830	EUBC009109	Camp Perry ANG Station	OH	RED HORSE Logistics Complex	52276F	442-758	5,600			
Guard	2016	3830	YZEU139006	Will Rogers World Airport	OK	Medium Altitude Manned ISR Beddown	53230F	211-111	9,886	(115)	PA reduced for inflation RMD	
Guard	2016	3830	KJAQ099058	Klamath Falls Airport - Kingsley Field	OR	Replace Fire Station	52276F	130-142	6,800	(200)	was FY17 (PB14).	New
Guard	2016	3830	TWLR039103	Quonset State Airport	RI	Replace Fire Station	52276F	130-142	10,000		Was FY15 (FY13 PB)	New
Guard	2018	3830	PSTE009070	McEntire Joint National Guard Base	SC	Replace Operations and Training Facility	52276F	171-445	7,328	(72)	Was FY18 in PB14. PA reduced for inflation RMD	New

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Component	FY	APPN	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount ($000)	Changes from FY 14 PB	Explanation of Changes	Footprint
Guard	2018	3830	LUXC099042	Joe Foss Field	SD	Aircraft Maintenance Shops	52276F	217-712	11,500	(759)	Was FY17 (PB14).	New
Guard	2019	3830	LYBH049066	Yeager Airport	WV	Force Protection- Relocate Coonskin Road	52276F	851-147	4,920	(81)	Was FY16 in PB14. PA reduced for inflation RMD	New
Guard	2016	3830	PAYZ160006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	14,355	4,855	PA increased by $4.855M	
Guard	2016	3830	PAYZ160005	Unspecified	VL	Planning and Design	52276F	961-000	11,850	3,200	PA increased by $3.2M	
Guard	2017	3830	PAYZ170006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	11,200	6,200	PA increased by $6.2M	
Guard	2017	3830	PAYZ170005	Unspecified	VL	Planning and Design	52276F	961-000	11,000	7,800	PA increased by $7.8M	
Guard	2018	3830	PAYZ180006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	12,000	6,000	PA increased by $6M	
Guard	2018	3830	PAYZ180005	Unspecified	VL	Planning and Design	52276F	961-000	14,950	10,050	PA increased by $10.05M	
Guard	2019	3830	PAYZ190005	Unspecified	VL	Planning and Design	52276F	961-000	12,800	6,797	PA increased by $6.797M	
Guard	2019	3830	PAYZ190006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	13,000	1,000	PA increased by $1M	

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