AIR NATIONAL GUARD

Fiscal Year (FY) 2016
BUDGET ESTIMATES

MILITARY CONSTRUCTION

APPROPRIATION 3830

PROGRAM YEAR 2016

Justification Data Submitted to Congress

February 2015

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DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2016

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AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM -- FY 2016

STATE	INSTALLATION AND PROJECT	AUTH AMOUNT ($000)	APPN AMOUNT ($000)	PAGE NO.
ALABAMA	**Dannelly Field** TFI - Replace Squadron Operations Facility	7,600 **7,600**	7,600 **7,600**	**II-1**
ARKANSAS	**Fort Smith Municipal Airport** Consolidated SCIF	0* **0**	15,200 **15,200**	**II-6**
CALIFORNIA	**Moffett Field** Replace Vehicle Maintenance Facility	6,500 **6,500**	6,500 **6,500**	**II-11**
COLORADO	**Buckley Air Force Base** ASE Maintenance and Storage Facility	5,100 **5,100**	5,100 **5,100**	**II-16**
GEORGIA	**Savannah/Hilton Head International Airport** C-130 Squadron Operations Facility	9,000 **9,000**	9,000 **9,000**	**II-21**
IOWA	**Des Moines Municipal Airport** Air Operations Group Beddown - Renovate Building 430	6,700 **6,700**	6,700 **6,700**	**II-26**
KANSAS	**Smoky Hill ANG Range** Range Training Support Facilities	2,900 **2,900**	2,900 **2,900**	**II-31**
LOUISIANA	**New Orleans** Replace Squadron Operations Facility	10,000 **10,000**	10,000 **10,000**	**II-36**
MAINE	**Bangor International Airport** Add To and Alter Fire / Crash Rescue Station	7,200 **7,200**	7,200 **7,200**	**II-41**
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NEW JERSEY	**Atlantic City International Airport** Fuel Cell and Corrosion Control Hangar and Shops	10,200 **10,200**	10,200 **10,200**	**II-51**
NEW YORK	**Niagara Falls International Airport** Remotely Piloted Aircraft Beddown Building 912	7,700 **7,700**	7,700 **7,700**	**II-56**
NORTH CAROLINA	**Charlotte/Douglas International Airport** Replace C-130 Squadron Operations Facility	9,000 **9,000**	9,000 **9,000**	**II-62**

SUMMARY PROJECT LIST
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STATE	INSTALLATION AND PROJECT	AUTH AMOUNT ($000)	APPN AMOUNT ($000)	PAGE NO.
NORTH DAKOTA	**Hector International Airport** Intel Targeting Facilities	7,300 **7,300**	7,300 **7,300**	II-67
OKLAHOMA	**Will Rogers World Airport** Medium Altitude Manned ISR Beddown	7,600 **7,600**	7,600 **7,600**	II-72
OREGON	**Klamath Falls International Airport** Replace Fire Crash / Rescue Station	7,200 **7,200**	7,200 **7,200**	II-77
WEST VIRGINIA	**Yeager Airport** Force Protection - Relocate Coonskin Road	3,900 **3,900**	3,900 **3,900**	II-82
	SUB-TOTAL -- MAJOR CONSTRUCTION	**110,700**	**125,900**	
	PLANNING AND DESIGN		**5,104**	II-88
	UNSPECIFIED MINOR CONSTRUCTION		**7,734**	II-90
	SUB - TOTAL -- SUPPORT COSTS		**12,838**	
	GRAND TOTAL - FY 2016 REQUEST	**110,700**	**138,738**	

* Project for Consolidated SCIF at Fort Smith Arkansas was authorized for appropriation in the 2015 NDAA at $13.2M. Division B includes a request to increase the authorized amount to 15.2M consistent with the FY 2016 PB appropriation request.

NEW MISSION/CURRENT MISSION EXHIBIT
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM -- FY 2016

LOCATION	PROJECT	COST ($000)	CURRENT/ NEW/ENV
Dannelly Field, AL	TFI - Replace Squadron Operations Facility	7,600	C
Ft Smith Municipal Airport, AR	Consolidated SCIF	15,200	N
Moffett Field, CA	Replace Vehicle Maintenance Facility	6,500	C
Buckley Air Force Base, CO	ASE Maintenance and Storage Facility	5,100	C
Savannah/Hilton Head International Airport, GA	C-130 Squadron Operations Facility	9,000	C
Des Moines Municipal Airport, IA	Air Operations Group Beddown - Reno Bldg 430	6,700	N
Smoky Hill ANG Range, KS	Range Training Support Facilities	2,900	C
New Orleans, LA	Replace Squadron Operations Facility	10,000	C
Bangor International Airport, ME	Add To And Alter Fire / Crash Rescue Station	7,200	C
Pease International Tradeport, NH	KC-46A ADAL Flight Simulator Bldg 156	2,800	C
Atlantic City International Airport, NJ	Fuel Cell and Corrosion Control Hangar and Shops	10,200	N
Niagara Falls International Airport, NY	Remotely Piloted Aircraft Beddown Bldg 912	7,700	N
Charlotte/Douglas International Airport, NC	Replace C-130 Squadron Operations Facility	9,000	C

NEW MISSION/CURRENT MISSION EXHIBIT
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM -- FY 2016

LOCATION	PROJECT	COST ($000)	CURRENT/ NEW/ENV
Hector International Airport, ND	Intel Targeting Facilities	7,300	N
Will Rogers World Airport, OK	Medium Altitude Manned ISR Beddown	7,600	N
Klamath Falls International Airport, OR	Replace Fire Crash / Rescue Station	7,200	C
Yeager Airport, WV	Force Protection - Relocate Coonskin Road	3,900	C
	PLANNING AND DESIGN	**5,104**	
	UNSPECIFIED MINOR CONSTRUCTION	**7,734**	
	TOTAL ENERGY	**0**	
	TOTAL ENVIRONMENTAL	**0**	
	TOTAL NEW MISSION (6)	**47,300**	
	TOTAL CURRENT MISSION (11)	**78,600**	
	GRAND TOTAL - FY 2016 REQUEST	**138,738**	

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DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2016

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, $138,738,000 to remain available until September 30, 2020.

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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SECTION II

PROJECT INSTALLATION / JUSTIFICATION DATA

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1. COMPONENT	**FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE
ANG		February 2015
3. INSTALLATION AND LOCATION DANNELLY FIELD, MONTGOMERY ALABAMA		4. AREA CONSTR COST INDEX .83

5. FREQUENCY AND TYPE OF UTILIZATION
Twenty-four monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force for training.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS
One Active AFB - 5 miles, one Marine Reserve - 12 miles, three Army Reserves - 10 - 15 miles, five Army National Guard Units - 2-12 miles and two Air National Guard Units - 5 miles.

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-753	TFI - Replace Squadron Operations Facility	2,769 SM (29,800 SF)	7,600	Feb 2009	Dec 2014

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
The Board recommendations are: Unilateral Construction Approved — 23 Feb 14 (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: $25,270,650

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

DANNELLY FIELD, MONTGOMERY ALABAMA

11. PERSONNEL STRENGTH AS OF 01 Jul 14

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	327	9	86	232	1,107	124	983
ACTUAL	327	9	86	232	1,006	110	896

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
100 Fighter Squadron	30	23
187 Aircraft Maintenance Squadron	228	172
187 Civil Engineering Squadron	93	70
187 Communication Flight	31	31
187 Comptroller Flight	13	14
187 Force Support Squadron	42	39
187 Fighter Wing	40	35
187 Logistics Readiness Squadron	77	66
187 Medical Group	54	46
187 Maintenance Operations Flight	24	20
187 Mission Support Group	8	9
187 Maintenance Group	20	17
187 Maintenance Squadron	260	216
187 Operations Group	13	11
187 Operations Support Flight	40	33
187 Security Forces Squadron	74	69
187 Student Flight	60	135
TOTALS	1,107	1,006

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ACTUAL
Vehicle	78	77
F-16 Aircraft	18	23
Support Equipment	210	199
Vehicle Equivalents	230	220

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DANNELLY FIELD, ALABAMA	TFI - REPLACE SQUADRON OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
52276F	141-753	FAKZ059173	$7,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SQUADRON OPERATIONS FACILITY	SM	2,769		5,870
SQUADRON OPERATIONS FACILITY	SM	2,769	2,120	(5,870)
SUPPORTING FACILITIES				850
UTILITIES	LS			(169)
PAVEMENTS	LS			(134)
SITE IMPROVEMENTS	LS			(97)
RELOCATE UNDERGROUND UTILITIES	LS			(51)
COMMUNICATION SUPPORT	LS			(76)
DEMOLITION/ASBESTOS REMOVAL	SM	2,009	161	(323)
SUSTAINABILITY AND ENERGY MEASURES	LS			135
SUBTOTAL				6,855
CONTINGENCY (5%)				343
TOTAL CONTRACT COST				7,198
SUPERVISION, INSPECTION AND OVERHEAD (6%)				431
TOTAL REQUEST				7,629
TOTAL REQUEST (ROUNDED)				7,600

10. Description of Proposed Construction: Construct a fighter squadron operations and support facility utilizing conventional design and construction methods to accommodate the mission of the facility. Facility shall 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. Exterior work includes: all necessary exterior utilities, access pavements, fire protection, site work, and support. Demolish building and provide vehicle parking.
Air Conditioning: 350 KW.

11. REQUIREMENT: 2,769 SM ADEQUATE: 0 SM SUBSTANDARD: 1,819 SM
PROJECT: TFI - Replace Squadron Operations Facility (Current Mission)
REQUIREMENT: The base requires a properly sized and configured squadron operations facility for the assigned Total Force Integration (TFI) mission. Functional requirements include: weapons and tactics, intelligence, briefing/debriefing, standardization and evaluation, flight planning, flight safety, flight records, physical training, life support, survival equipment scheduling, unit administration, aircrew chemical warfare equipment and base operations.
CURRENT SITUATION: The squadron operations facility is too small for the mission requirements. It is approximately 40% undersized. It cannot be expanded due to site limitations, force protection (FP) required set backs and environmental contamination. The building is only 51 feet from the perimeter fence and a major public road resulting in over 75% of the occupied building space being within the FP setback. The building is constrained on all sides by other facilities. The only possibility for expansion is toward the flightline where new construction would block a major base roadway that cannot be replicated.
IMPACT IF NOT PROVIDED: The lack of adequate space limits the amount of time pilots have allocated to conduct briefings/debriefings, such as: intelligence, standardization/evaluations, flight and ground safety, and mission planning. These time constraints do not allow pilots to obtain adequate

training, severely impacting safety and the unit's ability to maintain combat ready pilots. Daily security operations will be hindered.

ADDITIONAL: This project meets the criteria/scope specified in ANG Handbook 32-1084, "Facility Requirements." Antiterrorism/Force Protection requirements have been considered in the development of this project. This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air National Guard and active duty requirements. The following buildings will be demolished as a result of this project: 1316 (at 1,819 SM), 1206 (at 74 SM) and 1319 (at 116 SM) for a total of 2009 SM. Buildings 1206 and 1319 are in the way of construction. All known alternatives/options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exemption is available. 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

CatCode		Requirement	Adequate	Substandard
141-753	SQUADRON OPERATIONS	2,769 SM	0 SM	1,819 SM

SQUADRON OPERATIONS FACILITY	2,769 SM = 29,800 SF
DEMOLITION/ASBESTOS REMOVAL	2,009 SM = 21,630 SF

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

DANNELLY FIELD, ALABAMA

5. PROJECT TITLE	7. PROJECT NUMBER
TFI - REPLACE SQUADRON OPERATIONS FACILITY	FAKZ059173

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	FEB 2009
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 15	100%
* (d) Date 35% Designed	MAY 2011
(e) Date Design Complete	DEC 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	700
(b) All Other Design Costs	10
(c) Total	710
(d) Contract	710
(e) In-House	
(4) Contract Award (Month/Year)	JAN 2016
(5) Construction Start	MAR 2016
(6) Construction Completion	JUL 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: NGB/A7AD
(240) 612-7663

1. COMPONENT	**FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE
ANG		February 2015
3. INSTALLATION AND LOCATION FT SMITH MUNICIPAL AIRPORT, FT SMITH ARKANSAS		4. AREA CONSTR COST INDEX .83

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
Two Army National Guard Armories.

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-454	Consolidated SCIF	3,716 SM (40,000 SF)	15,200	Mar 14	Sep 15

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
The Board recommendations are: Unilateral Construction Approved — 14 Jun 14 (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: $8,366,000

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

FT SMITH MUNICIPAL AIRPORT, FT SMITH ARKANSAS

11. PERSONNEL STRENGTH AS OF 01 Feb 14

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	379	28	350	1	1,107	109	998
ACTUAL	291	28	262	1	900	77	823

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
184 Fighter Squadron	34	23
188 Aircraft Maintenance Squadron	161	107
188 Civil Engineering Squadron	108	114
188 Communication Flight	31	39
188 Comptroller Flight	12	11
188 DET1	11	10
188 Force Support Squadron	44	49
188 Fighter Wing	38	35
188 Intelligence Squadron	132	116
188 Logistics Readiness Squadron	77	61
188 Medical Group	45	51
188 Mission Support Group	8	8
188 Maintenance Group	21	8
188 Maintenance Squadron	253	147
188 Operations Group	5	3
188 Operations Support Squadron	35	36
188 Security Forces Squadron	74	82
188 Student Flight	18	0
TOTALS	1,107	900

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ACTUAL
Support Equipment	232	178
Vehicle Equivalents		430
Vehicles	156	141

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FORT SMITH MUNICIPAL AIRPORT, ARKANSAS	CONSOLIDATED SCIF

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
55208F	141-454	HKRZ129076	$15,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONSTRUCT CONSOLIDATED SCIF	SM	3,716		12,880
CONSTRUCT CONSOLIDATED 3 MISSION SCIF	SM	3,716	3,466	(12,880)
SUPPORTING FACILITIES				392
UTILITIES	LS			(138)
PAVEMENTS	LS			(81)
SITE WORK	LS			(173)
SUSTAINABILITY AND ENERGY MEASURES	LS			403
SUBTOTAL				13,675
CONTINGENCY (5%)				684
TOTAL CONTRACT COST				14,359
SUPERVISION, INSPECTION AND OVERHEAD (6%)				861
TOTAL REQUEST				15,200

10. Description of Proposed Construction: Construct a facility for a consolidated 3-mission Sensitive Compartmentalized Information Facility (SCIF). Facilities will be designed as permanent construction in accordance with DoD Unified Facilities Criteria (UFC) 1-200-01, General Building Requirements. 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: SCIF, 30 KW standby generator, raised flooring or other cabling system, and security alarm systems. Provide allied support for communications requirements and system upgrades. Exterior utility extensions and connections to current base infrastructure. Install exterior fencing with intrusion detection system IDS and electronic key entry. Overlay road crossings, construct sidewalks, install storm drainage to conform with all environmental compliance issues where required.
Air Conditioning: 700 KW.

11. REQUIREMENT: 3,716 SM ADEQUATE: 0 SM SUBSTANDARD: 3,716 SM
PROJECT: Construct a Consolidated SCIF facility to house a three-mission complex at Ft Smith: The Digital Ground Station (DGS), a Remote Pilot Aircraft Unit (RPA), and an Intel Targeting Squadron. (New Mission)
REQUIREMENT: The base requires an adequately sized and appropriately configured space for the establishment of a DGS, an RPA, and Intel Targeting function for beddown in a final operating capability (FOC) consolidated SCIF facility. A DGS receives classified data in real time, processes the data, and transmits the results to customers for mission employment activities. Both operational missions and training activities for assigned ANG personnel will be conducted in the facility. Functional requirements include: operational space for data receipt, processing, and retransmission by on-duty crews working shift operations; analysis areas; equipment operations, maintenance, and storage areas; maintenance work stations; and administrative support and command areas. Operations space will support two high altitude orbits and three medium altitude orbits 24 hours a day. In addition, there should be at least 12 additional workstations to allow training to occur simultaneously. This equates to 42 intelligence data terminals/work stations for the daily production of classified intelligence information and sufficient training workspace, complete with stand by power, switch gear, and

uninterrupted power supply. Operational space is required for the SCIF area for RPA and simulators and bay for the mobile RPA unit provided by users. The targeting Operations floor will provide a shift space for 72 operators per shift. This project supports the final bed down of 655 ANG full- and part-time personnel.

CURRENT SITUATION: The FY13 National Defense Authorization Act supported the President's Budget request to remove the A-10 flying mission from Fort Smith and provide replacement missions. The base has received a DGS, an RPA, and an Intel Targeting missions. No adequate facility on base can provide a consolidated space solution for these three missions. Interim mission capability is being provided with temporary secure facilities. Full Operational Capability (FOC) date is FY17 for all missions.

IMPACT IF NOT PROVIDED: Accept risk to mission from inadequate facilities which do not meet minimum security requirements. The full DGS, RPA, and Intel Targeting mission cannot be bedded down at this installation which means that the mission's FOC date will not be achieved. The existing space on base does not have the required space for SCIFs, training, storage, and administration required by 655 ANG mission personnel. Continued operation in temporary facilities is expensive, and falls far short of space, security, and operational requirements.

ADDITIONAL: This project meets the criteria/scope specified in Air National Guard Handbook 32-1084, "Facility Requirements". Antiterrorism/Force Protection requirements have been considered in the development of this project. 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, leasing and status quo operation however preliminary analysis shows the construction of a consolidated facility to be the best choice. The facility requires a non-centralized uninterruptable power supply system (UPS) for mission equipment that will be purchased with other than MILCON funds. 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© and other applicable laws and Executive Orders.

CatCode		Requirement	Adequate	Substandard
171-447	COMM/ELECTRONIC TRN SCIF	1,988 SM	0 SM	1,988 SM
141-753	SQUADRON OPERATIONS SCIF	1,003 SM	0 SM	1,003 SM
141-454	TARGETING SQUADRON SCIF	725 SM	0 SM	725 SM

CONSTRUCT CONSOLIDATED 3 MISSION SCIF3,716 SM = 40,000 SF

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

FORT SMITH MUNICIPAL AIRPORT, ARKANSAS

5. PROJECT TITLE	7. PROJECT NUMBER
CONSOLIDATED SCIF	HKRZ129076

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	MAR 2014
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 15	35%
* (d) Date 35% Designed	DEC 2014
(e) Date Design Complete	SEP 2015
(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	920
(b) All Other Design Costs	0
(c) Total	920
(d) Contract	920
(e) In-House	
(4) Contract Award (Month/Year)	DEC 2015
(5) Construction Start	MAR 2016
(6) Construction Completion	JUL 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: NGB/A7AD
(240) 612-8508

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. AREA CONSTR COST INDEX
MOFFETT FIELD, SUNNYVALE CALIFORNIA	1.29

5. FREQUENCY AND TYPE OF UTILIZATION
Twelve monthly unit training 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
One Air Force Base, Two Army National Guard Units, 9 Army Reserve Centers, and one Navy/Marine Reserve Centers.

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214-425	Replace Vehicle Maintenance Facility	1,561 SM (16,800 SF)	6,500	Jun 11	Jan 15

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
The Board recommendations are: Unilateral Construction Approved
5 Mar 2014
(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: $9,159,000

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

MOFFETT FIELD, SUNNYVALE CALIFORNIA

11. PERSONNEL STRENGTH AS OF 09 Jun 11

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	118	19	99	0	991	144	847
ACTUAL	235	49	183	3	918	121	797

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
129 Operations Group	27	20
129 ODF	16	14
129 Rescue Squadron	52	55
130 Rescue Squadron	69	63
131 Rescue Squadron	77	74
129 Maintenance Group	17	14
129 Aircraft Maintenance Squadron	99	96
129 Maintenance Operations Flight	19	18
129 Mission Support Group	8	8
129 Civil Engineering Flight	14	14
129 Communication Flight	31	35
129 Logistics Readiness Squadron	115	107
129 Force Support Squadron	33	29
129 Security Forces Squadron	74	67
129 Comptroller Flight	12	12
129 Student Flight	24	22
561 Air Force Band	36	31
129 Medical Group	45	43
129 Rescue Wing	45	42
129 Maintenance Squadron	178	154
TOTALS	991	918

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ACTUAL
Vehicles	106	89
MC-130	4	4
HH-60	6	5
Support Equipment	142	130
Vehicle Equivalents		210

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MOFFETT FIELD, CALIFORNIA	REPLACE VEHICLE MAINTENANCE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
52276F	214-425	QMSN099104	$6,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
REPLACE VEHICLE MAINTENANCE FACILITIES	SM	1,561		4,789
VEHICLE MAINTENANCE SHOP (214425)	SM	502	4,263	(2,140)
VEHICLE OPERATIONS ADMINISTRATIVE (610121)	SM	177	4,047	(716)
VEHICLE STORAGE SHED (214428)	SM	743	1,528	(1,135)
REFUELING VEHICLE MAINTENANCE SHOP (214467	SM	139	5,737	(797)
SUPPORTING FACILITIES				1,092
SITE IMPROVEMENTS	LS			(152)
UTILITIES	LS			(254)
COMMUNICATIONS SUPPORT	LS			(102)
PAVEMENTS	LS			(457)
SUSTAINABILITY AND ENERGY MEASURES	LS			(127)
SUBTOTAL				5,881
CONTINGENCY (5%)				294
TOTAL CONTRACT COST				6,175
SUPERVISION, INSPECTION AND OVERHEAD (6%)				370
TOTAL REQUEST				6,545
TOTAL REQUEST (ROUNDED)				6,500

10. Description of Proposed Construction: Construct a Vehicle Maintenance Facility and Shed 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 (UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and Sustainable Building Requirements. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.
Air Conditioning: 35 KW.

11. REQUIREMENT: 1,189 SM ADEQUATE: 0 SM SUBSTANDARD: 3,321 SM
PROJECT: Replace Vehicle Maintenance Facility (Current Mission).
REQUIREMENT: The 129 Rescue Wing (RQW) supports a rescue mission with 4-PAA C-130 and 6-PAA HH-60 aircraft. The 129 RQW requires a properly sized and configured vehicle maintenance facility in which to train vehicle maintenance personnel as well as perform repair, maintenance and upkeep of military vehicles. Functional areas include repair bays large enough to accommodate assigned vehicles to include refueling vehicles; battery shop, administration, training classroom and covered storage for vehicles, parts, tools and non-organizational vehicle parking.
CURRENT SITUATION: The 129 RQW has been assigned to Moffett Federal Airfield since 1978 as a tenant to the airfield host. The property transferred to the National Aeronautical and Space Administration (NASA) Ames Research Center (ARC) in 1994. A permit between the Air Force and NASA allows the ANG to occupy these facilities until NASA wants them returned. NASA plans to develop the airfield into an open campus concept, via a commercial venture. The 7.7 acre site where the ANG vehicle maintenance facility is located will be impacted. This plan is expected to happen within the next two to four years. Additionally, once NASA opens their gates to the open campus concept, there will be no restrictive control of traffic in the area around the site where the vehicle

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ANG	(computer generated)	February 2015
3. INSTALLATION AND LOCATION MOFFETT FIELD, CALIFORNIA		
5. PROJECT TITLE REPLACE VEHICLE MAINTENANCE FACILITY		7. PROJECT NUMBER QMSN099104

maintenance facility is located. The relocation of the vehicle maintenance facility is a main focus of NASA ARC and a cornerstone of the approved 129 RQW Base Master Plan. This project will relocate the vehicle maintenance function from the site that NASA plans to develop to an area where the Air Force has a permit that will expire in 50 years. In addition, the current vehicle maintenance facility is located approximately two miles from the main cantonment area of the 129 RQW. This is inefficient for vehicle maintenance personnel requiring training or to meet appointments at the 129 RQW main cantonment area as well as for unit vehicles requiring service or maintenance. The existing facilities are oversized, antiquated and energy inefficient. They do not have the proper fire protection system. There are numerous health and safety hazards and with the NASA open campus concept, there will not be an Antiterrorism/Force Protection (AT/FP)-compliant perimeter security.

IMPACT IF NOT PROVIDED: Accept risk to mission and Airmen due to inadequate security and inefficient operations. The 129 RQW will continue to be in violation of AT/FP regulations. Due to NASA's development plans, 129 RQW vehicle maintenance personnel may soon not have a facility in which to work and train. If allowed to persist in the inadequate facility further, the distance between the vehicle maintenance facility and the 129 RQW main cantonment area will continue to cause substantial inefficiencies in personnel training and vehicle maintenance. Higher operating costs due to the oversized and antiquated vehicle maintenance facility, as well as exposing vehicle maintenance personnel to numerous health and safety hazards.

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. AT/FP requirements have been considered in the development of this project. This facility can be used by other components on an “as available” basis; however, the scope of the project is based on Air National Guard requirements. 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 costs will be rewarded with lower life cycle costs. This is consistent with the requirements of the Energy Policy Act of 2005 (EPAct05) and Executive Order 13423. Upon completion of this project, 3321 SM of space and 7.7 acres of land will be removed from the Air Force inventory and returned to NASA, as set forth in the permit. All known alternatives/options were considered during the development of this project. No other option could meet the mission requirements; therefore, a request for exemption from economic analysis will be submitted.

CatCode		Requirement	Adequate	Substandard
214-425	VEHICLE MAINTENANCE SHOP	502 SM	0 SM	3,321 SM
610-121	VEHICLE OPERATIONS ADMIN	177 SM	0 SM	0 SM
214-428	VEHICLE OPS PARKING SHED	743 SM	0 SM	0 SM
214-467	REFUELING VEHICLE SHOP	139 SM	0 SM	0 SM

VEHICLE MAINTENANCE SHOP (214425) 502 SM = 5,400 SF
VEHICLE OPERATIONS ADMINISTRATIVE (610121) 177 SM = 1,900 SF
VEHICLE STORAGE SHED (214428) 743 SM = 8,000 SF
REFUELING VEHICLE MAINTENANCE SHOP (214467) 139 SM = 1,500 SF

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

MOFFETT FIELD, CALIFORNIA

5. PROJECT TITLE	7. PROJECT NUMBER
REPLACE VEHICLE MAINTENANCE FACILITY	QMSN099104

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	JUN 2011
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 2015	100%
* (d) Date 35% Designed	NOV 2011
(e) Date Design Complete	JAN 2015
(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	402
(b) All Other Design Costs	6
(c) Total	408
(d) Contract	408
(e) In-House	
(4) Contract Award (Month/Year)	JAN 2016
(5) Construction Start	MAR 2016
(6) Construction Completion	JUL 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: NGB/A7AD
(301) 836-8842

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015
3. INSTALLATION AND LOCATION BUCKLEY AIR FORCE BASE, AURORA COLORADO		4. AREA CONSTR COST INDEX 1.04

5. FREQUENCY AND TYPE OF UTILIZATION

NORAD and Air Sovereignty Alert Operations are 24 Hours per day, 365 days per year; Normal guard organization operation 24 hrs, 7 days/week: Administration, facility sustainment operations; aircraft maintenance operations two 10 hour shifts four days per

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

ARNG Armory, Aurora, three Miles; Navy, Marines, Coast Guard Reserve Center, Aurora on Buckley AFB; ARNG Aviation Support Facility, USAR Armory, Denver, six miles.

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
218-712	ASE Maintenance and Storage Facility	1,161 SM (12,500 SF)	5,100	Jan 15	Jan 16

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

The Board recommendations are: Unilateral Construction Approved — 13 Sept 13 (Date)

9. LAND ACQUISITION REQUIRED — _____ (Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)

R&M Unfunded Requirement: $124,167,200

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

BUCKLEY AIR FORCE BASE, AURORA COLORADO

11. PERSONNEL STRENGTH AS OF 27 May 14

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	425	41	361	23	1,243	200	1,043
ACTUAL	414	43	351	20	1,234	191	1,043

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
120 Fighter Squadron	31	30
140 Aircraft Maintenance Squadron	232	210
140 Civil Engineering Squadron	97	96
140 Communication Flight	31	34
140 Comptroller Flight	13	14
140 Force Support Squadron	53	64
140 HQANG	51	59
140 Logistics Readiness Squadron	75	70
140 Medical Group	101	98
140 Maintenance Operations Flight	24	21
140 Mission Support Group	8	7
140 Maintenance Group	19	19
140 Maintenance Squadron	256	239
140 Operations Group	6	5
140 Operations Support Squadron	40	36
140 Security Forces Squadron	74	70
140 Student Flight	29	62
140 WING	47	53
200 Airlift Squadron	19	17
240 Civil Engineering Squadron	37	30
TOTALS	1,243	1,234

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ACTUAL
C-21	2	2
F-16 Aircraft	18	23
Support Equipment	348	288
Vehicle Equivalents	358	358
Vehicles	154	141

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BUCKLEY AIR FORCE BASE, COLORADO	ASE MAINTENANCE AND STORAGE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
52276F	218-712	CRWU069125	$5,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONSTRUCT AGE/ASE BUILDING	SM	1,161		2,712
CONSTRUCT ADMIN/SHOP & STORAGE	SM	1,161	2,336	(2,712)
SUPPORTING FACILITIES	LS			1,735
PAVEMENTS & STORAGE YARD	LS			(256)
UTILITIES	LS			(230)
SITE IMPROVEMENTS	LS			(115)
DEMOLITION	SM	959	194	(186)
COMMUNICATIONS SUPPORT	LS			(130)
SPECIAL FOUNDATION	LS			(511)
ASBESTOS/LEAD PAINT REMOVAL	LS			(307)
SUSTAINABILITY AND ENERGY MEASURES	LS			92
SUBTOTAL				4,539
CONTINGENCY (5%)				227
TOTAL CONTRACT COST				4,766
SUPERVISION, INSPECTION AND OVERHEAD (6%)				285
TOTAL REQUEST				5,051
TOTAL REQUEST (ROUNDED)				5,100

10. Description of Proposed Construction: Construct an Aircraft Support Equipment (ASE) maintenance and storage facility 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 (UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and Sustainable Building Requirements. 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: Reinforced concrete caissons and grade beam foundation, floor slab on grade, erosion control, drainage and landscape. Interior hoists, indoors wash rack, tool crib, bench stock storage, battery servicing area, exhaust extraction system, covered storage, and administrative space.
Air Conditioning: 88 KW.

11. REQUIREMENT: 1,161 SM ADEQUATE: 0 SM SUBSTANDARD: 959 SM
PROJECT: ASE Maintenance Shop and Storage Facility (Current Mission)
REQUIREMENT: An adequately maintained and configured Aircraft Ground Equipment (AGE)/ASE maintenance shop. This shop inspects, maintains, repairs, and services powered and non-powered equipment to directly support 18 PAI F-16 aircraft, as well as powered-munitions ASE.
CURRENT SITUATION: The existing AGE/ASE facility was constructed 35 years ago and much of the infrastructure systems are original to the date of construction. As such, many systems are well beyond the expected useful life and are rapidly deteriorating. The current facility HVAC, electrical system, plumbing, fire protection, flooring, doors, windows, ceilings, lighting and overall size are inadequate to support the mission. The building has no forced air exhaust and is incapable of removing fumes from maintaining aerospace support equipment inside and is hazardous to occupants and administrative areas. The heating and air movement systems are inefficient and costly to operate and maintain. Due to the expansive soils and inadequate foundation, cracking and settling have caused

problems with interior and exterior walls as well as the slab on grade floor. The pavement surrounding the AGE/ASE yard is asphalt and must be replaced with Portland Cement Concrete pavement in order to mitigate environmental concerns with containment of fuel and hydraulic fluids that may occasionally spill and can damage or soak through asphalt. Costs from a recent facility assessment study identified repairs in excess of 74% of the building replacement value. Coupled with the construction requirement, the facility is also undersized. Finally, the current facility is sited inappropriately in an administrative area adjacent to the 140th Wing and Mission Support Group headquarters whereas its proper place is as a flight line back shop. This location is inefficient for maintenance and repair of the equipment. The building openings and roof height are not large enough to allow equipment inside for maintenance. The existing facility requires abatement of asbestos found in the masonry mortar, boiler, floor tiles, mastic and window caulking. Paint on the facility is peeling. The garage doors do not function adequately and constantly need repairs and lack all safety devices due to age and the fact that they are manually operated. Restrooms are not ADA compliant and occupants have no access to shower facilities. Repairing the current facility and adding the deficit space would exceed the minor construction cost limitation, would preserve an eyesore on the base, and continue inefficient operations for another 30 years.

IMPACT IF NOT PROVIDED: Non-compliance with DoD, AF and ANG flying mission support guidance. The substandard facility will continue to deteriorate, escalating poor readiness, working conditions and increased risk to personnel and aircraft, resulting in negative impact on the ASA mission & day-to-day preparation for AEF taskings. Maintenance activity costs and energy consumption for this facility are unacceptable and will continue to rise. The AGE/ASE maintenance personnel will continue to operate inefficiently as they travel back and forth to the flight line via the main base thoroughfare and across the main ramp to collect equipment for maintenance and repairs and return to the shop. Much training time and mission accomplishment time continues to be wasted transporting equipment or traveling to pick up an unscheduled equipment breakdown. Because of the lack of indoor storage space, inefficient heating and poor configuration, the especially cold winter months make the training and mission accomplishment environment difficult as personnel struggle with cold weather mixed with heavy snow, ice and wind. This adversely impacts mission accomplishment.

ADDITIONAL: This project will provide an adequate AGE/ASE facility capable of meeting Buckley AFB mission requirements according to Air National Guard Handbook 32-1084, Facility Requirements. This facility is “inhabited” and meets the standoff distance requirements for Force Protection. There is a minimal threat and the level of protection is low, so minimum construction standards have been applied. 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. Based on preliminary evaluation, new construction is likely the best alternative.

CatCode		Requirement	Adequate	Substandard
218-712	AIRCRAFT SUPPORT EQUIPMENT (ASE)	1,161 SM	0 SM	959 SM

CONSTRUCT ADMIN/SHOP & STORAGE 1,161 SM = 12,500 SF

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

BUCKLEY AIR FORCE BASE, COLORADO

5. PROJECT TITLE	7. PROJECT NUMBER
ASE MAINTENANCE AND STORAGE FACILITY	CRWU069125

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	JAN 2015
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 15	0%
* (d) Date 35% Designed	APR 2015
(e) Date Design Complete	JAN 2016
(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	404
(b) All Other Design Costs	20
(c) Total	424
(d) Contract	424
(e) In-House	

(4) Contract Award (Month/Year) APR 2016

(5) Construction Start JUL 2016

(6) Construction Completion SEP 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: NGB/A7AD
(240) 612-8083

1. COMPONENT	**FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. AREA CONSTR COST INDEX
SAVANNAH/HILTON HEAD IAP, SAVANNAH GEORGIA	.81

5. FREQUENCY AND TYPE OF UTILIZATION
One unit training assembly per month, 15 days annual field training per year, daily use by technician/AGR force and training. Potential for 365 days of visiting unit-training exercises.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS
1 Active Army Installation. 1 Army Reserve Installation. 1 Marine Reserve Installation.

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-753	C-130 Squadron Operations Facility	2,285 SM (24,600 SF)	9,000	Mar 2012	Jan 2015

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
The Board recommendations are: Unilateral Construction Approved — 6 Feb 14 (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: $12,986,000

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

SAVANNAH/HILTON HEAD IAP, SAVANNAH GEORGIA

11. PERSONNEL STRENGTH AS OF 03 Mar 14

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	316	39	277	0	1,071	144	927
ACTUAL	293	38	255	0	1,021	134	887

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
158 Airlift Squadron	99	92
165 Aircraft Maintenance Squadron	57	52
165 Air Support Operations Squadron	75	61
165 Airlift Wing	41	36
165 Civil Engineering Squadron	99	92
165 Communication Flight	31	30
165 Comptroller Flight	12	15
165 Combat Readiness Training Center	89	66
165 Force Support Squadron	50	49
165 Logistics Readiness Squadron	122	114
165 Medical Group	48	44
165 Maintenance Operations Flight	21	18
165 Mission Support Group	8	7
165 Maintenance Group	12	12
165 Maintenance Squadron	150	123
165 Operations Group	8	8
165 Operations Support Flight	46	40
165 Security Forces Squadron	74	70
165 Student Flight	29	92
TOTALS	1,071	1,021

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ACTUAL
C-130H Aircraft	8	8
165th Vehicles	68	68
165th V.E.'s		136
165th ASE Equip.	170	155
CRTC VEH	180	174
CRTC VEH EQ		446
CRTC ASE	196	155

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SAVANNAH/HILTON HEAD IAP, GEORGIA	C-130 SQUADRON OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
52276F	141-753	XDQU949500	$9,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
C-130 SQUADRON OPERATIONS FACILITY	SM	2,285		6,665
SQUADRON OPERATIONS AREA	SM	2,285	2,917	(6,665)
SUPPORTING FACILITIES				1,265
UTILITIES	LS			(328)
PAVEMENTS	LS			(259)
SITE/ENVIRONMENTAL IMPROVEMENTS	LS			(198)
COMMUNICATIONS SUPPORT	LS			(148)
DEMOLITION/ASBESTOS REMOVAL	SM	2,373	161	(382)
SUSTAINABILITY AND ENERGY MEASURES	LS			122
SUBTOTAL				8,102
CONTINGENCY (5%)				405
TOTAL CONTRACT COST				8,507
SUPERVISION, INSPECTION AND OVERHEAD (6%)				510
TOTAL REQUEST				9,017
TOTAL REQUEST (ROUNDED)				9,000

10. Description of Proposed Construction: Construct an ANG C-130 squadron operations facility 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 (UFC) 1-200-01 and UFC 1-200-02. 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. Provide 30KW standby power generator. Reinforced concrete foundation and floor slab, pile drive to bedrock at main support beam footers due to poor in-situ soil conditions. Design as an open administrative plan to accommodate flexible design for the floor plan. Demolish facilities in footprint of new construction.
Air Conditioning: 420 KW.

11. REQUIREMENT: 2,285 SM ADEQUATE: 0 SM SUBSTANDARD: 2,498 SM
PROJECT: C-130 Squadron Operations Facility (Current Mission).
REQUIREMENT: The base requires properly sited and adequately configured space for planning, briefing, scheduling and administration functions to support aircrews flying the assigned 8-PAA C-130 aircraft. Includes command post and base operations functions.
CURRENT SITUATION: The squadron operations function is located in 5 facilities and in particular housed on multiple floors in an inadequate portion of a maintenance hangar. They are unsuitably configured and cannot accommodate training requirements and day to day operations. The space in the hangar is required for C-130 aircraft maintenance functions. There is no room for expansion of the squadron operations spaces. The space Squadron Operations occupies will become maintenance shops and administrative areas that will solve a long term maintenance space issue for the 165th AW. Aircraft maintenance shop space is 25% short of requirement.
IMPACT IF NOT PROVIDED: Continued inadequate mission planning and support to the aircrews assigned to the tactical airlift mission. Necessary maintenance mission modifications to the hangar cannot be accomplished due to the space taken by location of Squadron Operations. Maintenance and training on the C-130 aircraft will be degraded. Inadequate maintenance will reduce the unit's ability to

attain wartime readiness and will adversely affect the overall safety of operations. The wing's ability to achieve a full and efficient operations capacity remains degraded. The ANG continues to accept the risk of ineffective, inefficient operations from worn out, inadequate facilities.

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. Buildings 1906, (1378 SM), 1907 (242 SM), and 1914 (753 SM) for a total of 2373 SM fall in the footprint of the new facility and must be demolished as part of the construction. Upon completion of this project, spaces in the maintenance hangar currently occupied by squadron operations functions will be reconfigured to support aircraft maintenance functions. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. New construction has been found to be the best life-cycle cost alternative. This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air National Guard requirements. 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.

CatCode		Requirement	Adequate	Substandard
141-753	SQUADRON OPERATIONS	1,839 SM	0 SM	2,135 SM
141-453	BASE OPERATIONS	186 SM	0 SM	186 SM
141-461	USAF COMMAND POST	260 SM	0 SM	177 SM

SQUADRON OPERATIONS AREA 2,285 SM = 24,600 SF

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

SAVANNAH/HILTON HEAD IAP, GEORGIA

5. PROJECT TITLE	7. PROJECT NUMBER
C-130 SQUADRON OPERATIONS FACILITY	XDQU949500

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	MAR 2012
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 15	100%
* (d) Date 35% Designed	JUN 2014
(e) Date Design Complete	JAN 2015
(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	10
(c) Total	910
(d) Contract	910
(e) In-House	

(4) Contract Award (Month/Year) JAN 2016

(5) Construction Start MAR 2016

(6) Construction Completion JUL 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: NGB/A7AD
(240) 612-8508

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. AREA CONSTR COST INDEX
DES MOINES MUNICIPAL AIRPORT, DES MOINES IOWA	.99

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 smal

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

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-454	Air Operations Group Beddown - Renovate Building 430	1,765 SM (19,000 SF)	6,700	Mar 14	Oct 15

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

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)
	R&M Unfunded Requirement: $15,952,000		

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

DES MOINES MUNICIPAL AIRPORT, DES MOINES IOWA

11. PERSONNEL STRENGTH AS OF 17 Apr 14

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	353	97	251	5	1,015	239	776
ACTUAL	268	51	212	5	885	126	759

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
132 Air Operational Group	141	86
132 Civil Engineering Squadron	42	54
132 Communication Flight	30	34
132 CMPT	12	15
132 DTOC	41	25
132 Force Support Squadron	49	51
132 Intel	206	144
132 JFHQ	31	31
132 LRE	39	0
132 Logistics Readiness Squadron	42	58
132 Medical Squadron	43	52
132 Mission Support Group	8	10
132 RPAG	219	159
132 Security Forces Squadron	74	77
132 Student	0	45
132 WING	38	44
TOTALS	1,015	885

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ACTUAL
Vehicle Equivalents	251	250
Vehicles	95	86

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DES MOINES MUNICIPAL AIRPORT, IOWA	AIR OPERATIONS GROUP BEDDOWN - RENO BLDG 430

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
53056F	141-454	FFAN139009	$6,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AOG BEDDOWN	SM	1,765		5,187
CONVERT BUILDING 430 FOR AOG/CYBER BEDDOWN	SM	1,765	2,939	(5,187)
SUPPORTING FACILITIES	LS			661
UTILITIES	LS			(331)
COMMUNICATIONS SUPPORT	LS			(206)
PAVEMENTS	LS			(124)
SUSTAINABILITY AND ENERGY MEASURES	LS			171
SUBTOTAL				6,019
CONTINGENCY (5%)				301
TOTAL CONTRACT COST				6,320
SUPERVISION, INSPECTION AND OVERHEAD (6%)				379
TOTAL REQUEST				6,699
TOTAL REQUEST (ROUNDED)				6,700

10. Description of Proposed Construction: Convert Building 430 to support an Air Operations Group/Cyber Network Warfare Squadron 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 (UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and Sustainable Building Requirements. 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. Special Construction Requirements: Sensitive Compartmentalized Information Facility (SCIF), security alarms, and special communication support. Remove/relocate parking pavement as needed to support Antiterrorism/Force Protection requirements.
Air Conditioning: 420 KW.

11. REQUIREMENT: 1,765 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM
PROJECT: Convert Building 430 for AOG Beddown/Cyber Network Warfare Squadron (NWS) Facility (New Mission).
REQUIREMENT: Des Moines Air Guard Station has been selected as a beddown site for an Air Operations Group (AOG)/Cyber Protection Squadron (CPT) to conduct cyber operations. The AOG includes the Air Force Forces (AFFOR) portion with SCIF requirements within the operating floor. Functional spaces include administration, communications shop and storage, secure operations floor space, and SCIF areas. Facilities support day-to-day activities associated with wartime skills training and potential reachback capability for AOG personnel. 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. The project will include all associated utilities and communication requirements.
CURRENT SITUATION: In FY14 the installation lost its 24-PAA F-16 mission and began conversion to an AOG/Cyber Network Warfare Squadron as well as a Remotely Piloted Aircraft (RPA), and an Intelligence Targeting Group. The installation is configured to support fighter aircraft and requires significant work to convert the installation to the security and operational support needed for the new missions. Facility conversion for RPA/MCE and Intelligence Targeting Group will be accomplished in

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ANG	(computer generated)	February 2015
3. INSTALLATION AND LOCATION DES MOINES MUNICIPAL AIRPORT, IOWA		
5. PROJECT TITLE AIR OPERATIONS GROUP BEDDOWN - RENO BLDG 430		7. PROJECT NUMBER FFAN139009

a different project. A design study has identified building 430 as the most suitable location for this new mission.

IMPACT IF NOT PROVIDED: Unable to reach Full Operational Capability. Loss of capability for the Air Force and accept risk to Air Force AOG/CYBER mission. Forced use of existing facilities without appropriate conversion/reconfiguration would not accommodate mission requirements and would result in risk of operational security/breach due to attempts to perform a mission in inadequate facilities. The AOG mission requires the ability to support national contingencies or international efforts and inadequate facilities and infrastructure would curtail the ability of the unit to perform. The high level of connectivity and communication required to operate will not be available and temporary operations could compromise important information. High cost in communications requirements and special infrastructure make it prudent to install this unit in a properly located and properly configured facility.

ADDITIONAL: An economic analysis is being prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. 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 Energy Policy Act of 2005 (EPAct05), Executive Order 13423, 10 USC 2802(c) and other applicable laws and Executive Orders. 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. Mission requirements, operational considerations and location are incompatible with use by other components.

CatCode		Requirement	Adequate	Substandard
141-454	AOG BEDDOWN	1,765 SM	0 SM	0 SM

CONVERT BUILDING 430 FOR AOG BEDDOWN1,765 SM = 19,000 SF

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

DES MOINES MUNICIPAL AIRPORT, IOWA

5. PROJECT TITLE	7. PROJECT NUMBER
AIR OPERATIONS GROUP BEDDOWN - RENO BLDG 430	FFAN139009

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	MAR 2014
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 15	35%
* (d) Date 35% Designed	DEC 2014
(e) Date Design Complete	OCT 2015
(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	520
(b) All Other Design Costs	10
(c) Total	530
(d) Contract	530
(e) In-House	
(4) Contract Award (Month/Year)	JAN 2016
(5) Construction Start	MAR 2016
(6) Construction Completion	JUL 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: NGB/A7AD
(240) 612-7663

1. COMPONENT	**FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE
ANG		February 2015
3. INSTALLATION AND LOCATION		4. AREA CONSTR COST INDEX
SMOKY HILL ANG RANGE, SALINA KANSAS		.92

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

One (1) Army National Guard Range-tenant-on ANG Range

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-471	Range Training Support Facilities	632 SM (6,800 SF)	2,900	July 2014	July 2015

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

The Board recommendations are: Unilateral Construction Approved — 16 Dec 13 (Date)

9. LAND ACQUISITION REQUIRED — None (Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)

O&M Unfunded Requirement: $4,270,000

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

SMOKY HILL ANG RANGE, SALINA KANSAS

11. PERSONNEL STRENGTH AS OF 21 Nov 14

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	41	6	35	0	93	13	80
ACTUAL	39	6	33	0	83	9	74

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
184 Detachment 1	23	21
184 Intelligence Wing	2	2
284 Air Support Operations Squadron	68	60
TOTALS	93	83

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ACTUAL
Support Equipment		
VEH EQ. 194.6	195	195
Vehicles	79	79

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SMOKY HILL ANG RANGE, KANSAS	RANGE TRAINING SUPPORT FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
52276F	171-471	VUBV109002	$2,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RANGE SUPPORT FACILITIES	SM	632		1,837
RANGE SUPPORT FACILITY	SM	632	2,906	(1,837)
SUPPORTING FACILITIES	LS			650
UTILITIES	LS			(400)
SITE IMPROVEMENTS/PAVEMENTS	LS			(200)
COMMUNICATIONS SUPPORT	LS			(50)
SUSTAINABILITY AND ENERGY MEASURES	LS			130
SUBTOTAL				2,617
CONTINGENCY (5%)				131
TOTAL CONTRACT COST				2,748
SUPERVISION, INSPECTION AND OVERHEAD (6%)				164
TOTAL REQUEST				2,912
TOTAL REQUEST (ROUNDED)				2,900

10. Description of Proposed Construction: Construct a Range Control Support administration and Pest Management facility 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 (UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and Sustainable Building Requirements. Facilities should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria. Special Construction Requirements: Interior building systems shall include an open floor plan. Exterior work includes: extending existing utilities, communications, and road access to facility, new fencing and gates. Additional supporting infrastructure includes: intrusion detection, and centralized communications system.
Air Conditioning: 123 KW.

11. REQUIREMENT: 632 SM ADEQUATE: 0 SM SUBSTANDARD: 400 SM
PROJECT: Range Training Support Facilities (Current Mission)
REQUIREMENT: The Smoky Hill Air National Guard Range complex is a large and diverse range used extensively by the total force. The range requires adequately sized, properly configured, and properly located facilities to support many critical missions. New construction will maximize sharing of workspaces and building systems. New space will house Range Control House administration and operations functions and Pest Management control functions.
CURRENT SITUATION: The facility to be replaced is a pre-engineered metal building built in 1959. Building configuration and condition does not meet the needs of the range mission to properly train air crews, Ground Forward Air Controllers (GFAC), and other joint training components. Foundation is badly cracked, chipped, and has frost-heave problems. The buildings do not meet requirements and there are many leaks. Electrical and mechanical systems are severely undersized and at end of service life, extremely inefficient and do not properly heat and cool the facilities. Facility does not meet sustainable design requirements or AT/FP requirements. The proposed construction will allow the partial demolition of building 6001 as well as adjacent site elements and utilities under a separate project. New construction will replace an inadequate facility and provide space for range control administration/operations and pest management functions.

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ANG	(computer generated)	February 2015

3. INSTALLATION AND LOCATION

SMOKY HILL ANG RANGE, KANSAS

5. PROJECT TITLE	7. PROJECT NUMBER
RANGE TRAINING SUPPORT FACILITIES	VUBV109002

IMPACT IF NOT PROVIDED: The range is unable to effectively support the training of aircrews, Air Support Operations Squadron, and joint training with the Army. Mission readiness is hampered and training effectiveness continues to be restricted. Accept risk to the Close Air Support training mission through inadequate range facilities.

ADDITIONAL: This project meets the criteria/scope specified in ANG 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. There is minimal threat and the level of protection is low so minimum construction standards have been applied. An economic analysis is being prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. 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.

CatCode		Requirement	Adequate	Substandard
219-943	PEST MANAGEMENT FACILITY	231 SM	0 SM	0 SM
171-471	RANGE CONTROL HOUSE	400 SM	0 SM	400 SM

RANGE SUPPORT FACILITY 632 SM = 6,800 SF

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

SMOKY HILL ANG RANGE, KANSAS

5. PROJECT TITLE	7. PROJECT NUMBER
RANGE TRAINING SUPPORT FACILITIES	VUBV109002

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	JUL 2014
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 15	10%
* (d) Date 35% Designed	FEB 2015
(e) Date Design Complete	JUL 2015
(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	139
(b) All Other Design Costs	95
(c) Total	234
(d) Contract	234
(e) In-House	
(4) Contract Award (Month/Year)	JAN 2016
(5) Construction Start	FEB 2016
(6) Construction Completion	JAN 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: NGB/A7AD
(240) 612-8429

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015
3. INSTALLATION AND LOCATION		4. AREA CONSTR COST INDEX
NEW ORLEANS, LOUISIANA		.93

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 for training.

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

1 Army National Guard Post, 1 Army Reserve Facility, 3 National Guard Armories, 1 Air Force Reserve Unit, 1 Naval Air Station

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-753	Replace Squadron Operations Facility	2,141 SM (23,050 SF)	10,000	Mar 2012	Jan 2015

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

The Board recommendations are: Unilateral Construction Approved — 26 Mar 08 (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: $14,821,000

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

NEW ORLEANS, LOUISIANA

11. PERSONNEL STRENGTH AS OF 14 Feb 14

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	344	27	315	2	1,128	143	985
ACTUAL	326	25	299	2	1,290	151	1,139

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
159 Aircraft Maintenance Squadron	181	259
159 Civil Engineering Squadron	64	60
159 Communication Flight	31	32
159 Comptroller Flight	12	12
159 Fighter Squadron	31	25
159 Fighter Wing	46	44
159 Logistics Readiness Squadron	73	74
159 Medical Squadron	108	90
159 Maintenance Operations Flight	26	24
159 Mission Support Flight	15	18
159 Mission Support Group	8	7
159 Maintenance Group	20	19
159 Maintenance Squadron	236	358
159 Operations Group	4	3
159 Operations Support Flight	32	32
159 Security Forces Squadron	74	66
159 Services Flight	20	20
214 Engineering Installation Squadron	112	102
HQ LA ANG	35	45
TOTALS	1,128	1,290

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ACTUAL
Vehicle Equivalents	324	324
C-130H Aircraft	1	
F-15 A/B Aircraft	18	18
Support Equipment	237	232
Vehicles	116	114

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NEW ORLEANS, LOUISIANA	REPLACE SQUADRON OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
52276F	141-753	RQLH079073	$10,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
REPLACE SQUADRON OPERATIONS FACILITY	SM	2,313		7,095
SQUADRON OPERATIONS AREA (141753)	SM	2,174	3,057	(6,646)
RELOCATE POL OPS FACILITY (121111)	SM	139	3,229	(449)
SUPPORTING FACILITIES	LS			1,743
RELOCATE REFUELING VEHICLE PARKING AREA	LS			(497)
UTILITIES	LS			(259)
PAVEMENTS	LS			(228)
SITE IMPROVEMENTS	LS			(225)
COMMUNICATIONS SUPPORT	LS			(137)
DEMOLITION	SM	1,848	215	(397)
SUSTAINABILITY AND ENERGY MEASURES	LS			172
SUBTOTAL				9,010
CONTINGENCY (5%)				451
TOTAL CONTRACT COST				9,461
SUPERVISION, INSPECTION AND OVERHEAD (6%)				567
TOTAL REQUEST				10,028
TOTAL REQUEST (ROUNDED)				10,000

10. Description of Proposed Construction: Construct a fighter aircraft squadron operations facility 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 (UFC) 1-200-01 and UFC 1-200-02. 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: Sensitive Compartmentalized Information Facility (SCIF) area included for portions of squadron operations area and simulator area. Demolish 2 facilities.
Air Conditioning: 420 KW.

11. REQUIREMENT: 2,313 SM ADEQUATE: 0 SM SUBSTANDARD: 2,507 SM
PROJECT: Replace Squadron Operations Facility (Current Mission).
REQUIREMENT: The base requires properly sited, correctly sized and configured squadron operations facility in support of the 18 PAA F-15 aircraft assigned to the 159th Fighter Wing and the Air Control Alert (ACA) mission. The functional areas include command, administration and support offices, classroom, break area, briefing rooms, assembly areas, vaults, secure areas, and storage. Base Operations and Command Post functions will also be included. The Petroleum, Oils and Lubricant (POL) operations facility and refueling vehicle parking are in the way of construction and will need to be replicated elsewhere. A portion of the squadron operations area will need to be a secure area constructed to meet security requirements (SCIF).
CURRENT SITUATION: The squadron operations function is located in building 285. It was constructed in 1968 and is beyond its useful life and is uneconomical to repair and upgrade. The building is short 25% of the minimum authorized space. Renovation and expansion of the existing facility is not cost effective and cannot be done due to site constraints. The electrical and mechanical systems do not meet current health and safety codes. The heating and air conditioning systems and the

building envelope are not energy efficient. The interior building layout is not configured to support F-15 weapon systems. The vault and secure areas are too small. The facility is not a quality work and training area. POL operations (building 142) and the refueling vehicle parking mission are in the footprint of this MILCON. These two functions will be relocated elsewhere on base through this MILCON. Additionally, upon completion of this project, building 285, the current Squadron Operations facility will be demolished.

IMPACT IF NOT PROVIDED: Accept risk to training and ACA operations due to inadequate facility configuration. The squadron operations mission continues to lose valuable training time due to inadequate and poorly configured space. The health and safety code violations cannot be eliminated. Facility operating costs continue to rise. Base AT/FP requirements cannot be met. The installation development plan cannot be implemented.

ADDITIONAL: This project meets the criteria/scope specified in Air Nation Guard Handbook 32-1084, "Facility Requirements" and is in compliance with the base master plan. This new facility is an "inhabited" building and meets the standoff distance requirements. There is minimal threat and the level of protection is low, so minimum construction standards have been applied. This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air National Guard requirements. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. As a result of this project building 142 at 111 SM (1,200 SF) and building 285 at 1,736SM (18,690SF) will be demolished. Design and construction are to be executed by the United States Navy. 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.

CatCode		Requirement	Adequate	Substandard
141-753	SQUADRON OPERATIONS	1,626 SM	0 SM	1,848 SM
121-111	POL OPERATIONS BUILDING	139 SM	0 SM	111 SM
171-212	FLGHT SIMULATOR TRAINING	288 SM	0 SM	288 SM
141-461	USAF COMMAND POST	260 SM	0 SM	260 SM

SQUADRON OPERATIONS AREA (141753)	2,174 SM = 23,400 SF
RELOCATE POL OPS FACILITY (121111)	139 SM = 1,500 SF
DEMOLITION	1,848 SM = 19,890 SF

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

NEW ORLEANS, LOUISIANA

5. PROJECT TITLE	7. PROJECT NUMBER
REPLACE SQUADRON OPERATIONS FACILITY	RQLH079073

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	MAR 2012
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 15	35%
* (d) Date 35% Designed	JAN 2015
(e) Date Design Complete	OCT 2015
(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	783
(b) All Other Design Costs	100
(c) Total	883
(d) Contract	883
(e) In-House	
(4) Contract Award (Month/Year)	JAN 2016
(5) Construction Start	MAR 2016
(6) Construction Completion	JUL 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: NGB/A7AD
(240) 612-8508

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015
3. INSTALLATION AND LOCATION BANGOR INTERNATIONAL AIRPORT, BANGOR MAINE		4. AREA CONSTR COST INDEX 1.06

5. FREQUENCY AND TYPE OF UTILIZATION
Twelve monthly assemblies per year, 15 days annual training per year, daily use by technician/AGR force and for training.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS
Three (3) Army National Guard Units, one (1) Army Reserve Facility and one (1) Naval Reserve Facility.

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
130-142	Add to and Alter Fire Crash/Rescue Station	1,802 SM (19,400 SF)	7,200	Jun 14	Sep 15

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
The Board recommendations are: Unilateral Construction Approved — 06 Nov 14 (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: $2,900,000

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

BANGOR INTERNATIONAL AIRPORT, BANGOR MAINE

11. PERSONNEL STRENGTH AS OF 13 Jun 12

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	350	45	305	0	897	127	770
ACTUAL	350	45	305	0	885	113	772

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
101 Aircraft Maintenance Squadron	80	78
101 Air Refueling Wing	46	43
101 Civil Engineering Squadron	96	102
101 Communication Flight	34	34
101 Comptroller Flight	12	12
101 Force Support Squadron	40	40
101 Logistics Group	17	14
101 Logistics Readiness Squadron	106	105
101 Medical Group	55	55
101 Maintenance Operations Flight	21	21
101 Maintenance Squadron	173	167
101 Operations Group	15	14
101 Operations Support Flight	27	26
101 Security Forces Squadron	90	90
101 Support Group	8	7
132 Air Refueling Squadron	77	77
TOTALS	897	885

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ACTUAL
KC-135R Aircraft	10	10
Support Equipment	184	181
Vehicles	144	147
Vehicle Equivalents	531	532

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BANGOR INTERNATIONAL AIRPORT, MAINE	ADD TO AND ALTER FIRE CRASH/RESCUE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
52276F	130-142	FKNN059220	$7,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER FIRE CRASH/RESCUE STATION	SM	1,802		4,716
ADD TO FIRE STATION	SM	237	3,208	(760)
ALTER FIRE STATION	SM	1,565	2,056	(3,218)
OVER HEAD HEATING IN APPARATUS BAY	LS	1		(100)
REPLACE ROOF	SM	1,022	624	(638)
SUPPORTING FACILITIES				1,730
UTILITIES	LS			(200)
PAVEMENTS	LS			(400)
SECURITY	LS			(50)
SITE IMPROVEMENTS	LS			(200)
COMMUNICATIONS SUPPORT	LS			(150)
TEMPORARY FACILITIES	SM	650	323	(210)
PASSIVE FORCE PROTECTION	LS			(95)
SUSTAINABILITY AND ENERGY MEASURES	LS			(425)
SUBTOTAL				6,446
CONTINGENCY (5%)				322
TOTAL CONTRACT COST				6,768
SUPERVISION, INSPECTION AND OVERHEAD (6%)				406
TOTAL REQUEST				7,174
TOTAL REQUEST (ROUNDED)				7,200

10. Description of Proposed Construction: Add to and alter a Fire/Crash rescue station facility utilizing conventional design and construction methods to accommodate the mission of the facility. Facility shall 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 including new fencing and controlled access for building perimeter. Work on existing structure will include HVAC renovation and roof replacement. Exterior work includes; replace pavements, utility support, site improvements, and passive force protection.
Air Conditioning: 263 KW.

11. REQUIREMENT: 1,765 SM ADEQUATE: 0 SM SUBSTANDARD: 743 SM
PROJECT: Add To and Alter Fire Station. (Current Mission)
REQUIREMENT: The Fire Crash/Rescue Station is required to house all assigned fire apparatus, personnel and mobility gear to support the 8-PAA KC-135 aircraft training and operational missions. ANG provides 24-hour aircraft rescue firefighting support to the air refueling wing, as well as civilian passenger and cargo aircraft and an Army National Guard (ARNG) Aviation unit. The station must be properly sized and configured to support the training mission of the ANG and accommodate the requirements of the full time state employees. Functional areas include: apparatus bays, control/alarm room, office areas, training room, dining room, kitchen, physical fitness area, technical services area, equipment maintenance area, decontamination area, bunkrooms, and storage.
CURRENT SITUATION: The existing station is not properly sized to support the 41 full-time state employees, 27 traditional guard members and their required gear. When the station was constructed the state employees were required to also retain National Guard membership, however this is no longer

required and only 14 are in both. There is not adequate room for dining, training, personal protective equipment lockers, mobility storage, apparatus storage and equipment maintenance. Currently mobility gear, extra personal protective equipment, confined space entry equipment trailer, hazardous material response trailer, fire fighting foam trailer and fire extinguishers must be stored in other locations on the installation. This poses a significant fire fighting limitation if this equipment is required during an emergency. The existing vehicle parking area is outside of the controlled perimeter and presents a security/force protection risk.

IMPACT IF NOT PROVIDED: High risk to assigned and transient aircraft due to inadequate firefighting support will continue. Lack of space continues to degrade mission critical operations, training, equipment maintenance and mobility storage. The space shortfall hinders the department's ability to train, manage personnel and equipment as well as subjecting firefighters to substandard living conditions. Security risks will persist, due to uncontrolled access to the adjacent parking area.

ADDITIONAL: This project meets the criteria/scope specified in ANGH 32-1084, "Facility Requirements" and is in compliance with the base master plan. All known alternatives/options were considered during the development of this project. An economic analysis has been performed, and it has been determined that an add/alter alternative is most feasible and recommended. Antiterrorism/Force Protection requirements have been considered in the development of this project. This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air National Guard requirements. 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) and Executive Order 13423.

CatCode		Requirement	Adequate	Substandard
130-142	FIRE CRASH/RESCUE STATION	1,765 SM	0 SM	743 SM

TEMPORARY FACILITIES	650 SM = 7,000 SF
ADD TO FIRE STATION	237 SM = 2,550 SF
ALTER FIRE STATION	1,565 SM = 16,850 SF

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

BANGOR INTERNATIONAL AIRPORT, MAINE

5. PROJECT TITLE	7. PROJECT NUMBER
ADD TO AND ALTER FIRE CRASH/RESCUE STATION	FKNN059220

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	JUN 2014
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 15	10%
* (d) Date 35% Designed	FEB 2015
(e) Date Design Complete	SEP 2015
(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	172
(b) All Other Design Costs	55
(c) Total	227
(d) Contract	227
(e) In-House	
(4) Contract Award (Month/Year)	JAN 2016
(5) Construction Start	MAR 2016
(6) Construction Completion	APR 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: NGB/A7AD
(240) 612-8233

1. COMPONENT	**FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. AREA CONSTR COST INDEX
PEASE INTERNATIONAL TRADE PORT, PORTSMOUTH NEW HAMPSHIRE	1.07

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) Naval Shipyard, one (1) Army Reserve RC, Three (3) National Guard RCs, One (1) Coast Guard facility

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-212	KC-46A ADAL Flight Simulator Building 156	790 SM (8,499 SF)	2,800	Aug 13	Sep 14

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
The Board recommendations are: Unilateral Construction Approved — 8 May 14 (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)	1,500
	R&M Unfunded Requirement: $43,349,000		

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		September 2015

3. INSTALLATION AND LOCATION

PEASE INTERNATIONAL TRADE PORT, PORTSMOUTH NEW HAMPSHIRE

11. PERSONNEL STRENGTH AS OF 06 Jun 14

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	502	31	243	228	1,018	155	863
ACTUAL	571	45	283	243	1,101	160	941

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
64 Air Refueling Squadron	87	91
133 Air Refueling Squadron	50	57
157 Aircraft Maintenance Squadron	64	60
157 Air Refueling Wing	45	48
157 Civil Engineering Squadron	91	104
157 Communication Flight	32	33
157 Comptroller Flight	12	13
157 Force Support Squadron	41	45
157 HQ ANG	34	33
157 Logistics Readiness Squadron	108	120
157 Medical Group	95	100
157 Maintenance Operations Flight	21	22
157 Mission Support Group	8	8
157 Maintenance Group	16	15
157 Maintenance Squadron	86	68
157 Operations Flight	32	38
157 Operations Group	11	11
157 Security Forces Squadron	74	72
157 Student Flight	21	62
260 Air Traffic Control Squadron	90	101
TOTALS	1,018	1,101

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ACTUAL
KC-135R Aircraft	8	9
Vehicle Equivalents	513	513
Vehicles	161	158

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PEASE INTERNATIONAL TRADE PORT, NEW HAMPSHIRE	KC-46A ADAL FLIGHT SIMULATOR BUILDING 156

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
51413F	171-212	SZCQ139903	$2,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADAL FLT SIM BLD 156	SM	795		2,402
CONSTRUCT TRAINER BAY	SM	75	4,951	(371)
ALTER EXISTING BUILDING	SM	720	2,820	(2,030)
SUPPORTING FACILITIES	LS			102
CRANE	LS			(102)
SUSTAINABILTY AND ENERGY MEASURES	LS			34
SUBTOTAL				2,538
CONTINGENCY (5%)				127
TOTAL CONTRACT COST				2,665
SUPERVISION, INSPECTION AND OVERHEAD (6%)				159
TOTAL REQUEST				2,824
TOTAL REQUEST (ROUNDED)				2,800

10. Description of Proposed Construction: Construct an addition to and reconfigure existing flight simulator 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 (UFC) 1-200-01. 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: Add/alter secure open storage space. Repair supporting utilities, infrastructure, pavements and add space for larger flight simulator to be installed.
Air Conditioning: 525 KW.

11. REQUIREMENT: As Required.
PROJECT: KC-46A Add/Alter Flight Simulator Building 156 (New Mission)
REQUIREMENT: An adequate facility properly sized and configured to house the KC-46A flight simulators. The AF has designated Pease, NH as 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 first quarter of FY18. The flight simulators will allow training requirements to be fully met. Facility requires classified open storage in the simulator bays and associated computer and communications equipment and the briefing rooms. 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 trainer due to its larger size and secure operating requirements. These facilities are undersized, lack the new required security controls, and are at full capacity supporting the existing simulator.
IMPACT IF NOT PROVIDED: Without this facility the unit won't be able to provide required and essential flight simulator based training for the new KC-46A aircraft. The lack of adequate and secure flight simulator 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 Force Handbook 32-1084 "Facility Requirements" and the KC-46A Facility Requirements Plan. All known alternatives/options

were considered during the development of this project. No other option could meet the mission requirements; therefore, an exemption from economic analysis will be requested.
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
171-212	FLGHT SIMULATOR TRAINING	790 SM	0 SM	720 SM

CONSTRUCT TRAINER BAY	75 SM = 804 SF
ALTER EXISTING BUILDING	720 SM = 7,749 SF

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

PEASE INTERNATIONAL TRADE PORT, NEW HAMPSHIRE

5. PROJECT TITLE	7. PROJECT NUMBER
KC-46A ADAL FLIGHT SIMULATOR BUILDING 156	SZCQ139903

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 15	100%
* (d) Date 35% Designed	APR 2014
(e) Date Design Complete	SEP 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	24
(b) All Other Design Costs	4
(c) Total	28
(d) Contract	28
(e) In-House	
(4) Contract Award (Month/Year)	OCT 2015
(5) Construction Start	DEC 2015
(6) Construction Completion	JAN 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: NGB/A7AD
(240) 612-8233

1. COMPONENT	**FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. AREA CONSTR COST INDEX
ATLANTIC CITY INTERNATIONAL AIRPORT, PLEASANTVILLE NEW JERSEY	1.19

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

One Army Reserve Component, one Army National Guard Armory, one Coast Guard Air Wing, and one Coast Guard Sea Unit.

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-179	Fuel Cell and Corrosion Control Hangar and Shops	1,960 SM (21,100 SF)	10,200	Jun 09	Oct 15

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

The Board recommendations are: Unilateral Construction Re-approved

14 June 2014
(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: $17,444,000

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

ATLANTIC CITY INTERNATIONAL AIRPORT, PLEASANTVILLE NEW JERSEY

11. PERSONNEL STRENGTH AS OF 29 May 14

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	228	33	195	0	1,138	109	1,029
ACTUAL	228	33	195	0	1,219	110	1,109

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
119 Fighter Squadron	31	35
177 Aircraft Maintenance Squadron	224	243
177 Air Support Operations Squadron	65	64
177 Civil Engineering Squadron	105	121
177 Communication Flight	31	36
177 Comptroller Flight	11	12
177 DET1	10	10
177 Force Support Squadron	43	52
177 Fighter Wing	46	49
177 Logistics Readiness Squadron	78	93
177 Medical Group	48	44
177 Maintenance Operations Flight	24	25
177 Mission Support Group	8	8
177 Maintenance Group	19	18
177 Maintenance Squadron	258	271
177 Operations Group	4	3
177 Operations Support Squadron	39	44
177 Security Forces Squadron	74	91
177 STU	20	0
TOTALS	1,138	1,219

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ACTUAL
Actual Vehicles	115	109
F-16 Aircraft	18	21
Support Equipment	211	206
Vehicle Equivalents	450	381

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ATLANTIC CITY INTERNATIONAL AIRPORT, NEW JERSEY	FUEL CELL AND CORROSION CONTROL HANGAR AND SHOPS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
52276F	211-179	AQRC059093	$10,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FUEL CELL AND CORROSION CONTROL HANGAR	SM	1,960		7,263
FUEL CELL HANGAR & SHOP AREA	SM	836	3,767	(3,149)
CORROSION CONTROL HANGAR AND SHOP AREA	SM	1,124	3,660	(4,114)
SUPPORTING FACILITIES				1,835
UTILITIES	LS			(330)
PAVEMENTS	LS			(750)
SITE IMPROVEMENTS	LS			(175)
COMMUNICATION SUPPORT	LS			(120)
FIRE SUPPRESSION SUPPORT	LS			(300)
DRAINAGE IMPROVEMENTS	LS			(160)
SUSTAINABILITY AND ENERGY MEASURES	LS			150
SUBTOTAL				9,248
CONTINGENCY (5%)				462
TOTAL CONTRACT COST				9,710
SUPERVISION, INSPECTION AND OVERHEAD (6%)				582
TOTAL REQUEST				10,292
TOTAL REQUEST (ROUNDED)				10,200

10. Description of Proposed Construction: Construct a 2-bay fuel cell and corrosion control facility utilizing conventional design and construction methods to accommodate the mission of the facility. Facility shall 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. Specail construction requirements: Exterior work includes access pavements, utilities, fire protection utility and communications support.
Air Conditioning: 70 KW.

11. REQUIREMENT: 1,960 SM ADEQUATE: 0 SM SUBSTANDARD: 586 SM
PROJECT: Replace Fuel Cell and Corrosion Control Hangar (Current Mission)
REQUIREMENT: The 177th Fighter Wing (FW) requires adequately sized, appropriately located, and properly configured facilities to perform environmentally safe fuel cell maintenance and corrosion control maintenance in accordance with AFOSH and OSHA requirements. The Fuel Cell Maintenance Dock provides covered, protected areas for fuel systems maintenance. Proper heating, electrical, plumbing, compressed air systems, mechanical ventilation, fume sensing/alarm systems, fire extinguishing and wash-down drains are required in this facility. The Corrosion Control Hangar provides an environmentally controlled area to wash aircraft as well as hangar space for corrosion treatment and repair. Corrosion Control Shops are required for paint preparation, drying, abrasive blasting, mixing, and applying paint. Related administrative areas are required to support both fuel cell maintenance and corrosion control personnel. A separate environmentally-controlled building is required to safely store the blast media, cleaning supplies, tools, and stripping materials. A small but separate storage location is required to store hydrazine system maintenance materials, tools and equipment.

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ANG	(computer generated)	February 2015

3. INSTALLATION AND LOCATION

ATLANTIC CITY INTERNATIONAL AIRPORT, NEW JERSEY

5. PROJECT TITLE	7. PROJECT NUMBER
FUEL CELL AND CORROSION CONTROL HANGAR AND SHOPS	AQRC059093

CURRENT SITUATION: The current Fuel Cell Maintenance function is housed in building 242 at 578 SM, while the installation requires 790 SM (a 25 percent shortfall). This facility was originally designed as an F-16 corrosion control maintenance facility and is poorly configured with mechanical ventilation that cannot meet the environmental and occupation health/safety requirements of fuel cell maintenance and assigned personnel. The Corrosion Control Maintenance Facility (building 441) is also undersized, currently at 519 SM while requiring 790 SM (a 35 percent shortfall). Building 441 is a 2,196 SM facility which includes other maintenance shops which are also undersized. Relocating the fuel cell from building 441 will allow the remaining maintenance shops to be right sized and use space more efficiently. The potential site requires higher than standard supporting facility costs due to a lengthy utility run to support the High Expansion Foam fire suppression system; the repair of surrounding pavements; increased electrical utility requirements; and drainage adjustments.
IMPACT IF NOT PROVIDED: Increased aircraft maintenance time would be needed to perform corrosion control and fuel cell maintenance capability in ill-suited facilities. Decreased aircraft availability and corresponding aircrew training would also result. Accept risk to maintenance personnel through performing critical maintenance tasks in inadequate and undersized spaces. Required training as well as mission accomplishment will be increasingly adversely impacted resulting in missed performance requirements and ultimately reduced mission attainment.
ADDITIONAL: This project meets the criteria/scope specified in ANG 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. This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air National Guard requirements. 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 has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the cost efficient over the life of the project. Upon completion of this project, building 242 (586 SM) will be demolished or re-purposed.

CatCode		Requirement	Adequate	Substandard
211-179	FUEL SYSTEM MAINTENANCE DOCK	836 SM	0 SM	586 SM
211-159	AIRCRAFT CORROSION CONTROL	1,124 SM	0 SM	0 SM

FUEL CELL HANGAR & SHOP AREA 836 SM = 9,000 SF
CORROSION CONTROL HANGAR AND SHOP AREA1,124 SM = 12,100 SF

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

ATLANTIC CITY INTERNATIONAL AIRPORT, NEW JERSEY

5. PROJECT TITLE	7. PROJECT NUMBER
FUEL CELL AND CORROSION CONTROL HANGAR AND SHOPS	AQRC059093

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	JUN 2009
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 15	35%
* (d) Date 35% Designed	JAN 2015
(e) Date Design Complete	OCT 2015
(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	990
(b) All Other Design Costs	20
(c) Total	1,010
(d) Contract	1,010
(e) In-House	

(4) Contract Award (Month/Year)	JAN 2016
(5) Construction Start	MAR 2016
(6) Construction Completion	JUN 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: NGB/A7AD
(240) 612-8083

1. COMPONENT	**FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE
ANG		February 2015
3. INSTALLATION AND LOCATION NIAGARA FALLS INTERNATIONAL AIRPORT, NIAGARA FALLS NEW YORK		4. AREA CONSTR COST INDEX 1.13

5. FREQUENCY AND TYPE OF UTILIZATION
Twelve monthly assemblies per year, 15 days annual field training per year, and daily use by technician/AGR force and for training.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS
1 Air Force Reserve Wing, 5 Army National Guard Armories, 1 Naval Reserve Center, 1 Army Reserve Unit

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-753	Remotely Piloted Aircraft Beddown, Building 912	2,025 SM (26,900 SF)	7,700	Sep 13	Jun 15

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
The Board recommendations are: Unilateral Construction Approved — 22 May 14 (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: $11,190,000

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

NIAGARA FALLS INTERNATIONAL AIRPORT, NIAGARA FALLS NEW YORK

11. PERSONNEL STRENGTH AS OF 11 Jun 14

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	254	32	220	2	702	127	575
ACTUAL	213	33	179	1	554	64	490

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
107 AMS	14	5
107 Airlift Wing	39	43
107 Civil Engineering Squadron	89	86
107 Communication Flight	30	28
107 Comptroller Flight	12	12
107 Force Support Squadron	43	38
107 Logistics Readiness Squadron	50	64
107 Medical Group	40	39
107 Maintenance Operations Flight	5	2
107 Mission Support Group	8	6
107 Maintenance Group	4	2
107 Maintenance Squadron	32	10
107 Operations Group	12	7
107 Operations Support Flight	120	55
107 Security Forces Squadron	74	60
107 Student Flight	24	39
136 Airlift Squadron	106	58
TOTALS	702	554

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ACTUAL
Refuelers	2	2
Vehicle Equivalents	168	149
Refueler Equivalents	13	13
Vehicles	74	66

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NIAGARA FALLS INTERNATIONAL AIRPORT, NEW YORK	REMOTELY PILOTED AIRCRAFT BEDDOWN, BUILDING 912

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
53218F	141-753	RVKQ139005	$7,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
REMOTELY PILOTED AIRCRAFT BEDDOWN, BLDG 912	SM	2,500		5,470
ALTER SQUADRON OPERATIONS (141753)	SM	1,143	969	(1,108)
ALTER RPA OPERATIONS CENTER (149511)	SM	474	3,444	(1,632)
ALTER FOR SIMULATOR FUNCTION (171212)	SM	104	969	(101)
ALTER FOR COMMUNICATIONS MAINTENANCE (131111)	SM	186	969	(180)
ADD TO RPA OPERATIONS CENTER (149511)	SM	530	4,467	(2,368)
ADD TO SIMULATOR FUNCTION (171212)	SM	63	1,292	(81)
SUPPORTING FACILITIES	LS			1,267
FIRE PROTECTION	SM	2,499	65	(162)
STANDBY GENERATOR AND UPS CONNECTIONS	LS			(150)
UTILITIES	LS			(75)
PASSIVE FORCE PROTECTION	LS			(50)
PAVEMENTS	LS			(80)
SITE IMPROVEMENTS	LS			(25)
COMMUNICATIONS ALLIED SUPPORT	LS			(725)
SUSTAINABILITY AND ENERGY MEASURES	LS			140
SUBTOTAL				6,877
CONTINGENCY (5%)				344
TOTAL CONTRACT COST				7,221
SUPERVISION, INSPECTION AND OVERHEAD (6%)				433
TOTAL REQUEST				7,654
TOTAL REQUEST (ROUNDED)				7,700

10. Description of Proposed Construction: Add and alter an existing Squadron Operations facility 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 (UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and Sustainable Building Requirements. 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 generation with automatic transfer switch and support to uninterrupted power system (UPS) provided by others, raised floor system in selected areas, and extensive communications allied support with redundant pathways.
Air Conditioning: 193 KW.

11. REQUIREMENT: 2,499 SM ADEQUATE: 0 SM SUBSTANDARD: 1,906 SM
PROJECT: Remotely Piloted Aircraft Beddown, Building 912 (New Mission)
REQUIREMENT: The base requires an adequately sized and appropriately configured facility to bed down the Reaper MQ-9 weapons system. Convert, upgrade, and add to the squadron operations facility to bed down Support Operations Center (SOC), Ground Control Station (GCS), squadron operations, simulator, and communications maintenance functions. Functional areas include flight planning, briefing/debriefing, command and control, intelligence, weather forecasting, SOC, GCS, flight training, and administrative and support areas. SOC and GCS areas will be controlled entry space and be of

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ANG	(computer generated)	February 2015

3. INSTALLATION AND LOCATION

NIAGARA FALLS INTERNATIONAL AIRPORT, NEW YORK

5. PROJECT TITLE	7. PROJECT NUMBER
REMOTELY PILOTED AIRCRAFT BEDDOWN, BUILDING 912	RVKQ139005

Sensitive Compartmentalized Information Facility (SCIF) construction. The complex requires robust and redundant communications support with connectivity to two communications switches. Communications requirements include NPRNET, SIPRNET, JWICS, DSN, and video-link capabilities. Rearrange and extend interior walls and utilities. Provide raised floor systems. Provide space for simulator bays. Provide alarm systems. Provide standby power with user-provided uninterruptible power capability if existing capability insufficient. Exterior work includes: utility support, pavements, site improvements, fire protection, and antiterrorism force protection measures and redundant communication support. Provide fire protection. Install utility metering and connect to Direct Digital Control System.

CURRENT SITUATION: The squadron operations facility is presently configured for C-130 operations. The unit is converting to the MQ-9 Reaper Remotely Piloted Aircraft weapons system and operations center. The current squadron operations facility is ideally suited and located to host the Reaper mission but must have existing footprint converted and additional space provided to support the function. The Reaper SOC functions require dedicated space to control multiple independent orbits/missions. Ground Control Stations provide critical linkage to direct/control the airborne MQ-9 platforms. This project converts the current squadron operations facility into a fully-mission-capable Reaper SOC, GCS, squadron operations, flight training, and communications maintenance facility within one building. This efficiently reuses an existing facility, provides synergy for an operational unit, and increases security by having all operational Reaper functions under one roof.

IMPACT IF NOT PROVIDED: No other existing facility can accommodate the mission or adequately suited/sited to the mission. Without this facility work, MQ-9 flight operations could not commence from this installation. Inadequate, poorly-configured, and ill-equipped spaces would cause forced use of existing facilities that would not accommodate mission requirements and would result in failure to securely conduct flight operations due to the high sensitivity of this mission. The ROC and GCS functions would be located remotely from other operational functions resulting in extreme inefficiency and delayed planning and execution of the missions. Risk to intelligence gathering and exploitation activities would be beyond acceptability. MQ-9 mission stand up would not be possible without temporary facilities at a higher operational cost to house legacy flight operations.

ADDITIONAL: An economic analysis is being prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Preliminary analysis shows that the selected course of action is the most efficient life-cycle option. Building 902 will be used as swing space while work on Building 912 is undertaken. 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.

CatCode		Requirement	Adequate	Substandard
141-753	USAF COMMAND POST	0 SM	0 SM	0 SM
141-753	SQUADRON OPERATIONS	1,059 SM	0 SM	1,059 SM
149-511	PILOTLESS AIRCRAFT GUIDANCE ST	847 SM	0 SM	847 SM
141-453	BASE OPERATIONS	0 SM	0 SM	0 SM
171-212	FLGHT SIMULATOR TRAINING	167 SM	0 SM	0 SM

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ANG	(computer generated)	February 2015

3. INSTALLATION AND LOCATION

NIAGARA FALLS INTERNATIONAL AIRPORT, NEW YORK

5. PROJECT TITLE	7. PROJECT NUMBER
REMOTELY PILOTED AIRCRAFT BEDDOWN, BUILDING 912	RVKQ139005

131-111	TELECOMMUNICATIONS FACILITY	186 SM	0 SM	0 SM
141-753	SQUADRON OPERATIONS	84 SM	0 SM	0 SM
149-511	PILOTLESS AIRCRAFT GUIDANCE STN	156 SM	0 SM	0 SM

ALTER SQUADRON OPERATIONS	1,143 SM = 12,300 SF
ALTER RPA OPERATIONS CENTER	474 SM = 5,100 SF
ALTER FOR SIMULATOR FUNCTION	104 SM = 1,120 SF
ALTER FOR COMMUNICATIONS MAINTENANCE	186 SM = 2,000 SF
ADD TO RPA OPERATIONS CENTER	530 SM = 5,700 SF
ADD TO SIMULATOR FUNCTION	63 SM = 680 SF

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

NIAGARA FALLS INTERNATIONAL AIRPORT, NEW YORK

5. PROJECT TITLE	7. PROJECT NUMBER
REMOTELY PILOTED AIRCRAFT BEDDOWN, BUILDING 912	RVKQ139005

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	SEP 2013
(b) Parametric Cost Estimates used to develop costs	No
(c) Percent Complete as of Jan 2008	35%
* (d) Date 35% Designed	DEC 2014
(e) Date Design Complete	JUN 2015
(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	300
(b) All Other Design Costs	150
(c) Total	450
(d) Contract	450
(e) In-House	
(4) Contract Award (Month/Year)	FEB 2016
(5) Construction Start	MAR 2016
(6) Construction Completion	MAR 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: NGB/A7AD
(240) 612-7042

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. AREA CONSTR COST INDEX
CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT, CHARLOTTE NORTH CAROLINA	.83

5. FREQUENCY AND TYPE OF UTILIZATION

Daily operations, maintenance and training. Two unit training assemblies per month, 15 days annual field training per year, daily use by full-time technicians/AGR force for training and maintenance of assigned aircraft, facilities, and equipment.

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

1 Army National Guard, 1 Army Reserve, 1 Navy Reserve

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-753	Replace C-130 Squadron Operations Facility	2,574 SM (27,700 SF)	9,000	Aug 2011	Oct 2015

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

The Board recommendations are: Unilateral Construction Approved — 06 Feb 14 (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: $5,862,000

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT, CHARLOTTE NORTH CAROLINA

11. PERSONNEL STRENGTH AS OF 29 May 13

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	286	38	246	2	1,125	215	910
ACTUAL	284	39	243	2	1,136	227	909

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
145 Airlift Wing	40	47
145 Civil Engineering Squadron	109	111
145 Communication Flight	31	30
145 Comptroller Flight	12	13
145 DET1	1	1
145 Force Support Squadron	53	58
145 HQNC	23	25
145 Logistics Readiness Squadron	122	127
145 Medical Group	71	74
145 Maintenance Operations Flight	21	18
145 Mission Support Group	8	8
145 Maintenance Group	12	11
145 Maintenance Squadron	156	150
145 Operations Group	10	11
145 Security Forces Squadron	74	81
145 Student Flight	27	6
156 Airlift Squadron	125	125
156 Aeromedical Evacuation Squadron	88	96
156 Aircraft Maintenance Squadron	68	68
156 Operations Support Flight	48	50
245 Civil Engineering Flight	26	26
TOTALS	1,125	1,136

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ACTUAL
Vehicles	94	92
Aviation Refuel Vehicles	3	3
C-130 Aircraft	10	10
Support Equipment	195	170
Vehicle Equivalents	321	294

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT, NORTH CAROLINA	REPLACE C-130 SQUADRON OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
52276F	141-753	FJRP089066	$9,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
REPLACE SQUADRON OPS FACILITY	SM	2,573		6,703
OPERATIONS AREA	SM	2,573	2,605	(6,703)
SUPPORTING FACILITIES				1,214
UTILITIES	LS			(125)
PAVEMENTS	LS			(200)
SITE IMPROVEMENTS	LS			(90)
COMMUNICATIONS SUPPORT	LS			(54)
DEMOLITION/ASBESTOS REMOVAL	SM	1,894	161	(305)
PASSIVE FORCE PROTECTION MEASURES	LS			(140)
TEMPORARY FACILITIES	SM	929	323	(300)
SUSTAINABILITY AND ENERGY MEASURES	LS			178
SUBTOTAL				8,095
CONTINGENCY (5%)				405
TOTAL CONTRACT COST				8,500
SUPERVISION, INSPECTION AND OVERHEAD (6%)				510
TOTAL REQUEST				9,010
TOTAL REQUEST (ROUNDED)				9,000

10. Description of Proposed Construction: Construct a C-130 Squadron Operations facility 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 (UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and Sustainable Building Requirements. 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: Exterior work includes: utilities, pavements, communications support, fire protection support and site improvements. Demolish building 3 which is in the footprint of construction. Provide temporary facilities incident to construction for existing squadron operations functions.
Air Conditioning: 350 KW.

11. REQUIREMENT: 2,573 SM ADEQUATE: 0 SM SUBSTANDARD: 1,894 SM
PROJECT: Replace Squadron Operations Facility (Current Mission)
REQUIREMENT: The Wing requires adequate space to conduct operations planning, administration, training and survival equipment support for a 10 PAA, C-130H mission. This includes planning, briefing, administration and critique of combat crews as well as, Command Post, Base Operations, Airfield Management, Life Support and Survival Equipment. Adequate functional areas need to include weapons and tactics, briefing and de-briefing, air advisor, flying safety, standardization and evaluation, flight planning, personal protective equipment storage, flight records, life support, scheduling, general training and group or wing operations. In addition, secure space is required for Intelligence and Command Post in order to store and process classified information. Adequate HVAC, communications and utilities need to support this facility to include mission essential power. Aircrew locker space is necessary to store personal flight gear. Life Support requires space to manage, prepare, and maintain large amounts of life support equipment to include mobility equipment and reserves. This

high-value flight gear must be stored in environmentally controlled, secure space to ensure system integrity and mission ready status.

CURRENT SITUATION: The existing facility (building 3) is small and cramped for the operations and flight crew work areas. Overall, functional space is 82% of requirement but the rigid facility configuration further reduces useful space. The Life Support section is in the basement, sharing space with the Survival Equipment Shop. Both of these shops are extremely crowded with insufficient work space, inadequate storage space, and inadequate ventilation to meet OSHA standards. When Survival Equipment inflates a life raft for repair, the entire shop is used causing greater safety concerns. Life Support equipment is spread throughout four locations on base creating accountability and maintenance issues. Intelligence and mission planning are undersized to meet mission needs often making the personnel load to space unbearable under the current HVAC design. The size of the female locker room is not adequate. Female aircrew members must store their equipment in their office or personal vehicles. Base Operations is 40% undersized to meet current mission loads. Fire Suppression systems are inadequate by current standards. Existing communications inside and outside plants are at maximum capacity. HVAC system is undersized for occupant loading and at the end of its life-cycle. Existing cockpit familiarization training and aircrew readiness trainer are located in a separate facility, creating training/scheduling difficulties and functional disconnects.

IMPACT IF NOT PROVIDED: The Squadron Operations continues to operate below peak efficiency. The risks due to lack of fire suppression continues. Intelligence continues to be unable to adequately process and store necessary classified material creating serious mission impact for classified mission planning, execution, and command/control. Segregated crew training continues to hamper flight crew mission readiness, eventually impacting SORTS ratings and mission capability. HVAC systems fail to maintain acceptable facility environment resulting in mission degradation. Continued investments to keep the system limping along consume an estimated 15 percent of the annual budget.

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. This facility can be used by other components on an “as available” basis; however, the scope of the project is based on Air National Guard requirements. An economic analysis is being prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. The following building will be demolished as a result of this project: Building 3, at 1,894 SM is in the footprint of the construction and will be demolished first. During the construction period, the function will temporarily occupy vacant ARNG space which is not located on the ANG base. A small portion of the squad ops function will occupy other base facilities. 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.

CatCode		Requirement	Adequate	Substandard
141-753	SQUADRON OPERATIONS	2,573 SM	0 SM	1,894 SM

DEMOLITION/ASBESTOS REMOVAL	1,894 SM = 20,388 SF
TEMPORARY FACILITIES	929 SM = 10,000 SF
OPERATIONS AREA	2,573 SM = 27,700 SF

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT, NORTH CAROLINA

5. PROJECT TITLE	7. PROJECT NUMBER
REPLACE C-130 SQUADRON OPERATIONS FACILITY	FJRP089066

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	AUG 2011
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 15	35%
* (d) Date 35% Designed	JAN 2015
(e) Date Design Complete	OCT 2015
(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	10
(c) Total	910
(d) Contract	910
(e) In-House	
(4) Contract Award (Month/Year)	JAN 2016
(5) Construction Start	MAR 2016
(6) Construction Completion	JUL 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: NGB/A7AD
(240) 612-8767

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. AREA CONSTR COST INDEX
HECTOR INTERNATIONAL AIRPORT, FARGO NORTH DAKOTA	1.04

5. FREQUENCY AND TYPE OF UTILIZATION

Four unit training assemblies per month, 15 days annual field training per year, daily use by technicians and State personnel for training.

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

1 Army National Guard Armory which also houses the Naval Reserve, 1 Army National Guard Organizational Maintenance Shop, and 2 Army Reserve Facilities

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-454	Intel Targeting Facilities	1,766 SM (19,000 SF)	7,300	Apr 14	Dec 14

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

The Board recommendations are: Unilateral Construction Approved — 05 Feb 14 (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: 1,282,000		

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

HECTOR INTERNATIONAL AIRPORT, FARGO NORTH DAKOTA

11. PERSONNEL STRENGTH AS OF 06 Jun 14

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	372	68	300	4	1,167	163	1,004
ACTUAL	350	66	281	3	966	140	826

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
119 HQ Det	206	74
119 JFHQ	25	23
119 Logistics Readiness Squadron	87	76
119 Medical Group	54	49
119 Maintenance Operations Flight	0	2
119 Mission Support Group	8	6
119 Maintenance Group	0	2
119 Maintenance Squadron	0	9
119 Operations Group	9	6
119 Operations Support Squadron	119	94
119 Security Forces Squadron	74	71
119 Student Flight	22	64
177 Airlift Squadron	0	0
178 Rescue Squadron	105	77
219 Security Forces Squadron	139	121
119 Aircraft Maintenance Squadron	61	48
119 Airlift Wing	39	34
119 Civil Engineering Squadron	125	120
119 Communication Flight	31	27
119 Comptroller Flight	12	12
119 Force Support Squadron	51	51
TOTALS	1,167	966

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ACTUAL
Vehicles	135	135
MQ-1 Aircraft	8	4
Support Equipment	101	101
Vehicle Equivalents	422	422

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HECTOR INTERNATIONAL AIRPORT, NORTH DAKOTA	INTEL TARGETING FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
53117F	141-454	KKGA129066	$7,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
INTEL FACILITIES	SM	1,765		5,714
INTEL SCIF	SM	1,440	3,412	(4,913)
GROUP AREA (18 PN)	SM	325	2,465	(801)
SUPPORTING FACILITIES	LS			747
UTILITIES	LS			(118)
PAVEMENT	LS			(88)
SITE IMPROVEMENTS	LS			(59)
COMMUNICATIONS SUPPORT	LS			(447)
DRAINAGE IMPROVEMENTS	LS			(35)
SUSTAINABILITY AND ENERGY MEASURES	LS			130
SUBTOTAL				6,591
CONTINGENCY (5%)				330
TOTAL CONTRACT COST				6,921
SUPERVISION, INSPECTION AND OVERHEAD (6%)				415
TOTAL REQUEST				7,336
TOTAL REQUEST (ROUNDED)				7,300

10. Description of Proposed Construction: Construct an Intel Targeting facility 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 (UFC) 1-200-01 and UFC 1-200-02. 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: Sensitive Compartmentalized Information Facility (SCIF).
Air Conditioning: 350 KW.

11. REQUIREMENT: 1,765 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM
PROJECT: Intel Targeting Facility (New Mission)
REQUIREMENT: The installation requires adequately sized and configured space in support of a new Target Intelligence group and squadrons for a total of 206 personnel. The mission of the Target Intelligence group will be Intel support to Cyber.
CURRENT SITUATION: The FY13 National Defense Authorization Act supported the President's Budget request to remove the C-27 mission from Hector International Airport. A planned Intel Targeting unit is replacing the C-27 mission. The installation is to retain the Remotely Piloted Aircraft (RPA) mission and this new mission. The Intel mission will have an additive training function to provide follow-on targeting training after technical school for all ANG intelligence personnel. There are no vacant facilities that can house the new Intel mission.
IMPACT IF NOT PROVIDED: Unable to reach Full Operational Capability. Loss of targeting capability for the Air Force. Accept risk to AF targeting mission without this capability; alternatively accept risk of breach/unauthorized release of sensitive/classified information due to attempts to perform a mission in inadequate facilities.
ADDITIONAL: An economic analysis is being prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. This project meets the criteria/scope

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ANG	(computer generated)	February 2015
3. INSTALLATION AND LOCATION HECTOR INTERNATIONAL AIRPORT, NORTH DAKOTA		
5. PROJECT TITLE INTEL TARGETING FACILITIES		7. PROJECT NUMBER KKGA129066

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. Mission requirements, operational considerations and location are incompatible with use by other components. 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.

CatCode		Requirement	Adequate	Substandard
141-454	SPECIAL OPERATIONS	1,765 SM	0 SM	0 SM

INTEL SCIF	1,440 SM = 15,500 SF
GROUP AREA (18 PN)	325 SM = 3,500 SF

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

HECTOR INTERNATIONAL AIRPORT, NORTH DAKOTA

5. PROJECT TITLE	7. PROJECT NUMBER
INTEL TARGETING FACILITIES	KKGA129066

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	APR 2014
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 15	35%
* (d) Date 35% Designed	JAN 2015
(e) Date Design Complete	DEC 2015
(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	30
(c) Total	455
(d) Contract	455
(e) In-House	
(4) Contract Award (Month/Year)	MAR 2016
(5) Construction Start	MAY 2016
(6) Construction Completion	JUL 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: NGB/A7AD
(240) 612-8767

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. AREA CONSTR COST INDEX
WILL ROGERS WORLD AIRPORT, OKLAHOMA CITY OKLAHOMA	.94

5. FREQUENCY AND TYPE OF UTILIZATION
4 UTA's per month and 15 annual training days per year and daily use by technician/AGR force and training

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS
Tinker AFB – 17 miles
Altus AFB – 133 miles
Vance AFB – 86 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-111	Medium Altitude Manned ISR Beddown	5,880 SM (63,292 SF)	7,600	May 14	Oct 15

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
The Board recommendations are: 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 03 Jun 14 (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: $10,738,732

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		September 2015

3. INSTALLATION AND LOCATION

WILL ROGERS WORLD AIRPORT, OKLAHOMA CITY OKLAHOMA

11. PERSONNEL STRENGTH AS OF 31 May 14

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	347	39	260	48	1,114	191	923
ACTUAL	323	32	243	48	1,105	182	923

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
137 Airlift Evacuation Squadron	102	101
137 Airlift Control Flight	16	16
137 Air Refueling Wing	41	53
137 Civil Engineering Squadron	89	92
137 Communication Flight	31	35
137 Comptroller Flight	12	16
137 Force Support Squadron	62	60
137 Logistics Readiness Squadron	100	99
137 Medical Group	56	58
137 Maintenance Operations Flight	21	22
137 Mission Support Group	8	10
137 Maintenance Group	15	16
137 Maintenance Squadron	138	132
137 Operations Group	4	5
137 Operations Support Flight	35	38
137 Security Forces Squadron	74	77
137 Student Flight	66	56
146 Air Support Operations Squadron	65	54
185 Air Refueling Squadron	41	40
205 Engineering Installation Squadron	108	95
AYL HQ	30	30
TOTALS	1,114	1,105

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ACTUAL
Vehicle Equivalents (ANG-137th ARW)	227	227
C-12 (Army)	1	1
UH-72A (Army)	4	4
Vehicle Equivalents (ANG-205th EIS)	103	103
Vehicle Equivalents (ANG-146th ASOS)	72	72

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
WILL ROGERS WORLD AIRPORT, OKLAHOMA	MEDIUM ALTITUDE MANNED ISR BEDDOWN

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
52889F	211-111	YZEU139006	$7,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MEDIUM ALTITUDE ISR BEDDOWN	SM	5,508		5,033
AIRCRAFT MAINTENANCE HANGAR (211111)	SM	1,208	646	(780)
CONVERT AEROMED AND SUPPORT SPACE (171449)	SM	1,206	850	(1,025)
AMU AND AIRCRAFT MAINTENANCE SHOPS (211152)	SM	2,444	1,066	(2,605)
WEAPON SYSTEM MAINTENANCE MGT (610129)	SM	650	958	(623)
SUPPORTING FACILITIES				1,620
UTILITIES	LS	1	30,000	(30)
COMMUNICATIONS SUPPORT	LS	1	240,000	(240)
FIRE PROTECTION SUPPORT	LS	1	1,350,000	(1,350)
SUSTAINABILITY AND ENERGY MEASURES	LS	1	152,000	152
SUBTOTAL				6,805
CONTINGENCY (5%)				340
TOTAL CONTRACT COST				7,145
SUPERVISION, INSPECTION AND OVERHEAD (6%)				428
TOTAL REQUEST				7,573
TOTAL REQUEST (ROUNDED)				7,600

10. Description of Proposed Construction: Reconfigure and convert existing hanger and maintenance space 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 (UFC) 1-200-01 and UFC 1-200-02. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. The project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria. Special Construction Requirements: install building and hangar fire suppression and support infrastructure, repair hangar doors, and upgrade communications infrastructure. Convert aircraft maintenance shop space to Aeromedical Evacuation Squadron (AES)/administrative space.
Air Conditioning: 175 KW.

11. REQUIREMENT: 5,500 SM ADEQUATE: 0 SM SUBSTANDARD: 5,508 SM
PROJECT: Medium Altitude Manned ISR Beddown (New Mission).
REQUIREMENT: The base requires adequately sized and properly configured Aeromedical Evacuation Squadron and aircraft maintenance facilities to reach full operating capability (FOC) for the beddown of a Medium Altitude Manned ISR mission. The mission of Medium Altitude Manned ISR is to train and deploy to provide direct ISR capability to ground forces. This Medium Altitude Manned ISR mission will support joint US Forces and other government agencies.
CURRENT SITUATION: Current facilities are available for aircraft maintenance hangar and shops but are not adequate. Building 1011 is a former C-130 maintenance hangar and shops but has a Risk Assessment Code (RAC) II/ Fire Safety Deficiency (FSD) 1 rating for hangar space fire suppression. This severely limits the ability to use this space to accommodate the aircraft being assigned for the new ISR mission. Building 1011 has not had any major renovations since it was constructed in 1960. The aircraft, equipment, and personnel are scheduled to arrive in 2014. Short-term work-arounds will allow some aircraft maintenance to be conducted in other locations and on the aircraft parking apron. Space will be converted from general purpose shops and aircraft maintenance unit space to Aeromedical

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ANG	(computer generated)	February 2015

3. INSTALLATION AND LOCATION	
WILL ROGERS WORLD AIRPORT, OKLAHOMA	
5. PROJECT TITLE	7. PROJECT NUMBER
MEDIUM ALTITUDE MANNED ISR BEDDOWN	YZEU139006

Evacuation Squadron (AES) operations, changing the functional use. AES must move from their current facility as the new mission squadron operations functions must occupy that facility. Space in bldg 1011, currently occupied by the ARNG, will vacate to allow AES to move into the building.
IMPACT IF NOT PROVIDED: The Medium Altitude Manned ISR mission will not be able to perform the required FOC mission. Lack of fire suppression will present a severe risk of loss for aircraft and mission assets and will likely prevent use of hangar for covered maintenance. Degraded and improperly configured hangar and maintenance space and necessary work-arounds will delay availability of aircraft for missions (operational and training). Degraded and improperly configured AES space will directly impact the ability of AES to meet training requirements and perform their medical evacuation mission.
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. These facilities can be used by other components on an "as available" basis; however, the scope of the project is based on Air National Guard requirements. Antiterrorism/Force Protection requirements have been considered in the development of this project. An economic analysis is being prepared comparing the alternatives of new construction, revitalization, and status quo operation. 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. AES must move out of their current facility as Squad Ops will be inhabiting that facility. Space in bldg. 1011, currently occupied by the ARNG, will vacate to allow AES to move into building 1011.

CatCode		Requirement	Adequate	Substandard
211-152	ARCRFT GENERAL PURPOSE (GP) SH	1,133 SM	0 SM	1,134 SM
211-111	AIRCRAFT MAINTENANCE HANGAR	1,208 SM	0 SM	1,208 SM
171-449	RES FORCES A-E TRAINING	1,198 SM	0 SM	1,206 SM
211-153	NON-DESTRUCTIVE INSPECTION (ND	372 SM	0 SM	372 SM
211-154	AIRCRAFT ORG MAINT (AMU) SHOP	753 SM	0 SM	753 SM
217-712	AVIONICS SHOP	186 SM	0 SM	186 SM
610-129	WEAPON SYS MAINT MGMT (WSMM)	650 SM	0 SM	650 SM

AIRCRAFT MAINTENANCE HANGAR (211111)1,208 SM = 13,003 SF
AMU AND AIRCRAFT MAINTENANCE SHOPS (211152)2,444 SM = 26,307 SF
WEAPON SYSTEM MAINTENANCE MGT (610129)650 SM = 6,997 SF
CONVERT AEROMED AND SUPPORT SPACE (171449)1,206 SM = 12,981 SF

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

WILL ROGERS WORLD AIRPORT, OKLAHOMA

5. PROJECT TITLE	7. PROJECT NUMBER
MEDIUM ALTITUDE MANNED ISR BEDDOWN	YZEU139006

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	MAY 2014
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 15	35%
* (d) Date 35% Designed	JAN 2015
(e) Date Design Complete	OCT 2015
(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	530
(b) All Other Design Costs	40
(c) Total	570
(d) Contract	570
(e) In-House	
(4) Contract Award (Month/Year)	JAN 2016
(5) Construction Start	APR 2016
(6) Construction Completion	JUL 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: NGB/A7AD
(240) 612-8429

1. COMPONENT	**FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE
ANG		February 2015
3. INSTALLATION AND LOCATION		4. AREA CONSTR COST INDEX
KLAMATH FALLS INTERNATIONAL AIRPORT, KLAMATH FALLS OREGON		1.11

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. F-15 RTU Training, Flight Surgeons School, Air Traffic Control/RAPCON.

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

1 Army National Guard Armory

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
130-142	Replace Fire Station	1,617 SM (17,400 SF)	7,000	Jan 14	Sep 15

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

The Board recommendations are: Unilateral Construction Approved — 02 Jun 11 (Date)

9. LAND ACQUISITION REQUIRED — None (Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)

O&M Unfunded Requirement: $18,820,000

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		January 2015

3. INSTALLATION AND LOCATION

KLAMATH FALLS INTERNATIONAL AIRPORT, KLAMATH FALLS OREGON

11. PERSONNEL STRENGTH AS OF 01 Jun 11

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	606	49	447	110	831	86	745
ACTUAL	564	48	415	101	839	86	753

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
114 Fighter Squadron	18	19
173 Aircraft Maintenance Squadron	114	126
173 Civil Engineering Squadron	9	8
173 Communication Flight	30	29
173 Comptroller Flight	13	14
173 Fighter Wing	42	43
173 Logistics Readiness Squadron	77	86
173 Medical Group	48	49
173 Maintenance Operations Flight	19	18
173 Mission Support Flight	18	18
173 Mission Support Group	8	7
173 Maintenance Group	13	9
173 Maintenance Squadron	188	210
173 Operations Group	12	13
173 Operations Support Squadron	36	37
173 Security Forces Squadron	74	69
173 Student Flight	22	6
270 Air Traffic Control Squadron	90	78
TOTALS	831	839

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ACTUAL
Vehicles	131	154
F-15 Aircraft	21	27
Support Equipment	185	175
Vehicle Equivalents		418

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
KLAMATH FALLS INTERNATIONAL AIRPORT, OREGON	REPLACE FIRE CRASH/RESCUE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
52276F	130-142	KJAQ099058	$7,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE STATION	SM	1,617		5,465
CONSTRUCT FIRE STATION	SM	1,617	3,380	(5,465)
SUPPORTING FACILITIES				1,025
PAVEMENTS	LS			(422)
SITE WORK	LS			(201)
UTILITIES	LS			(165)
COMMUNICATON SUPPORT	LS			(103
SUSTAINABILITY AND ENERGY MEASURES	LS			(134)
SUBTOTAL				6,490
CONTINGENCY (5%)				325
TOTAL CONTRACT COST				6,815
SUPERVISION, INSPECTION AND OVERHEAD (6%)				408
TOTAL REQUEST				7,223
TOTAL REQUEST (ROUNDED)				7,200

10. Description of Proposed Construction: Construct an Air National Guard crash fire rescue station utilizing conventional design and construction methods to accommodate the mission of the facility. Facility shall 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. Exterior work includes: access pavements, utilities, fire protection and communications support. Provide connections for backup power with generator for critical areas.
Air Conditioning: 175 KW.

11. REQUIREMENT: 1,617 SM ADEQUATE: 0 SM SUBSTANDARD: 894 SM
PROJECT: Replace Fire Station (Current Mission).
REQUIREMENT: The 173 FW requires an adequately sized and properly configured crash fire rescue station supporting the Air Force's only remaining F-15 Formal Training Unit operating 21-PAA F-15 aircraft with an active associate training cadre. The facility will be designed to meet the requirements of a 25-person, 3 shift, and primary response station. Functional areas include command center, vehicle bays, bunk rooms, storage, kitchenette, and training areas. By agreement with the airport authority and the FAA, the ANG provides primary crash and fire rescue response to the military and commercial aviation.
CURRENT SITUATION: The 173rd Fire Department is the primary fire crash rescue department for the entire airport. The 25-person department has 3 shifts of 7 firefighters each plus the Fire Chief and staff. The facility has 58% of required space. There are 8 primary response vehicles. The current facility lacks adequate space for firefighter equipment storage, sleeping quarters, administration, firefighter training, maintenance, personal protective clothing storage, fire extinguishing agent storage, and vehicle parking. Firefighter protective clothing and equipment is currently stored on racks in the vehicle bays. This causes a safety hazard when firefighters are called to respond to an emergency. Sleeping quarters are cramped and poorly ventilated. Administration space is inadequate for the 4 assigned people. The current facility lacks several key components: a bio-hazard clean up room to clean equipment after medical incidents, a clean room to service Self Contained Breathing Apparatus

equipment, a hose storage and drying area, protective clothing laundry and disinfecting area, and a controlled area for medical supplies.

IMPACT IF NOT PROVIDED: Accept risk to flight safety and the flying public due to inadequate fire station. Fire department personnel continue to work in an unsafe environment. Their effectiveness in responding to emergencies will continue to be hampered by inadequate facilities. Deficient interior space and configuration, cramped conditions and insufficient office, training, storage, and sleeping areas will impede the training of firefighters and threaten the department's ability to meet mission requirements.

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. This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air National Guard requirements. The existing fire station will be converted to ASE storage under a separate project. An economic analysis is being prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. 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.

CatCode		Requirement	Adequate	Substandard
130-142	FIRE CRASH/RESCUE STATION	1,617 SM	0 SM	894 SM

FIRE STATION AREA 1,617 SM = 17,400 SF

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

KLAMATH FALLS INTERNATIONAL AIRPORT, OREGON

5. PROJECT TITLE	7. PROJECT NUMBER
REPLACE FIRE CRASH/RESCUE STATION	KJAQ099058

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	JAN 2010
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 15	50%
* (d) Date 35% Designed	AUG 2010
(e) Date Design Complete	SEP 2015
(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	70
(b) All Other Design Costs	0
(c) Total	70
(d) Contract	70
(e) In-House	
(4) Contract Award (Month/Year)	DEC 2015
(5) Construction Start	MAR 2016
(6) Construction Completion	JUL 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: NGB/A7AD
(240) 612-8508

1. COMPONENT	**FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE
ANG		February 2015
3. INSTALLATION AND LOCATION YEAGER AIRPORT, CHARLESTON WEST VIRGINIA		4. AREA CONSTR COST INDEX .94

5. FREQUENCY AND TYPE OF UTILIZATION
Normal administration five days per week by technician/AGR force training ,twelve two-day unit training assemblies and fifteen days annual field training days per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS
3 Army National Guard Armories, 2 Army National Guard Stations.

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
851-147	Force Protection- Relocate Coonskin Road	177 SM (1,900 SF)	3,900	Oct 2010	Oct 2015

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
The Board recommendations are: Unilateral Construction Approved — 15 May 13 (Date)

9. LAND ACQUISITION REQUIRED — None (Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)
131-111	Replace Communications Training Facility	1,217 SM (13,100 SF)	5,700
	R&M Unfunded Requirement: $33,326,000		

1. COMPONENT	FY 2016 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

YEAGER AIRPORT, CHARLESTON WEST VIRGINIA

11. PERSONNEL STRENGTH AS OF 31 May 13

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	262	34	228	0	1,085	213	872
ACTUAL	257	29	228	0	1,120	189	931

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
130 Aircraft Generation Squadron	57	56
130 Airlift Squadron	112	107
130 Aeromedical Evacuation Squadron	103	88
130 Airlift Wing	42	48
130 C-26	9	5
130 Civil Engineering Squadron	93	98
130 Communication Flight	31	36
130 Comptroller Flight	12	4
130 Force Support Squadron	59	54
130 Logistics Readiness Squadron	122	117
130 Medical Squadron	74	61
130 Maintenance Operations Flight	21	18
130 Mission Support Group	8	10
130 Maintenance Group	12	8
130 Maintenance Squadron	150	147
130 Operations Group	18	16
130 Operations Support Flight	25	23
130 Security Forces Squadron	74	98
130 Student Flight	22	84
WV HQANG	41	42
TOTALS	1,085	1,120

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ACTUAL
Vehicles	84	82
C-26 Aircraft	1	1
C-130H Aircraft	8	8
Support Equipment	122	110
Vehicle Equivalents	313	313

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
YEAGER AIRPORT, WEST VIRGINIA	FORCE PROTECTION- RELOCATE COONSKIN ROAD

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
52276F	851-147	LYBH049066	$3,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RELOCATE COONSKIN ROAD	SM	193		2,179
CONSTRUCT ENTRY ROAD AND PARKING (851147)	SM	4,833	359	(1,735)
CONSTRUCT GATE HOUSE (730839)	SM	37	6,997	(259)
CONSTRUCT INSPECTION AREA (730839)	SM	156	1,184	(185)
SUPPORTING FACILITIES	LS			1,250
UTILITY SUPPORT	LS			(300)
SITE IMPROVEMENTS/SECURITY MEASURES	LS			(350)
COMMUNICATION SUPPORT	LS			(200)
VEHICLE BARRIERS	LS			(400)
SUSTAINABILITY AND ENERGY MEASURES	LS			77
SUBTOTAL				3,506
CONTINGENCY (5%)				175
TOTAL CONTRACT COST				3,681
SUPERVISION, INSPECTION AND OVERHEAD (6%)				220
TOTAL REQUEST				3,901
TOTAL REQUEST (ROUNDED)				3,900

10. Description of Proposed Construction: Relocate two lane entry asphalt roadway and construct new entry gatehouse and inspection area 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 (UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and Sustainable Building Requirements. 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: Install perimeter fencing and redirect utilities along new entry road path. Install vehicle barriers.
Air Conditioning: 18 KW.

11. REQUIREMENT: 177 SM ADEQUATE: 0 SM SUBSTANDARD: 19 SM
PROJECT: Force Protection Measures-Relocate Coonskin Drive (Current Mission).
REQUIREMENT: The 130th Airlift Wing (AW) requires a safe and properly configured roadway to allow access to the base. This requirement includes proper clearances between base facilities and community roadways. Base needs a properly configured entry to restrict access onto a federal military installation. The base supports a wing of 8-PAA C-130H aircraft.
CURRENT SITUATION: Coonskin Drive is part of the State roadway system and is the only roadway allowing access to the base. The roadway is within 40 feet of several WVANG buildings including the Operations and Training Facility, Building 141. The area in which the roadway would need to be constructed is state owned property. The current primary entry to the base is located within 45 feet of "primary gathering" facilities such as the Security Forces Building and the Operations and Training facility. Several alterations, per JSIVA recommendations, have been constructed at the primary entry to help reduce the AT/FP risks associated with the current layout. Because of these alterations, there have been 7 vehicle accidents with the bollard system and 11 vehicle's tires damaged. The current configuration has also resulted in concerns for the ability of Emergency Vehicles entering/exiting the

base due to navigating the bollard system. Despite the modifications made, the primary entry does not meet many of the required AT/FP measures called for by the DoD, including, but not limited to: no inspection lane for either individual or commercial vehicles, no secondary barrier system, no overhead or lane protection for Security Forces personnel, and no gate to eliminate entry during higher AT/FP condition codes. The secondary entrance is used for commercial entrance of common carriers (FedEx, UPS, etc.), freight delivery, and contractor employees and supplies. The same AT/FP condition exist for this entrance including, but not limited to: no inspection lane for either individual or commercial vehicles, no secondary barrier system, no overhead or lane protection for Security Forces personnel, and no gate to eliminate entry during higher AT/FP condition codes. On scheduled drill weekends the configuration of the gates has resulted in traffic being backed up along Coonskin Drive waiting to enter the base. This backup blocks traffic traveling along Coonskin Drive and increases risk for vehicle accidents.

IMPACT IF NOT PROVIDED: Existing AT/FP challenges will not be addressed if the roadway is not relocated. The risk to existing inhabited structures will remain high. While the newly installed chain-link fence is able to limit direct access to ANG property, it does not protect or limit the exposure of the adjacent building from the effects of a bomb blast. Based upon current AT/FP standards, a vehicle bomb exploding at the nearest point of the building would result in a major loss of life and destruction of property. There will be continued vehicle damage/accidents and tire damage. Steps have been taken to reduce these incidents of accidents and damage, but without correction to the main issue they will still occur. The gates will not meet many of the requirements of AT/FP and continue to place airmen, especially Security Forces Personnel, at far greater risk of injury due to an explosion.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements" and is in compliance with the base master plan. Anti-terrorism/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. An economic analysis is being prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation.

CatCode		Requirement	Adequate	Substandard
730-839	SF ENTRY CONTROL POINT	149 SM	0 SM	0 SM
730-839	SF TRAFFIC CHECK HOUSE	28 SM	0 SM	19 SM

CONSTRUCT GATE HOUSE (730839)	37 SM = 400 SF
CONSTRUCT INSPECTION AREA (730839)	156 SM = 1,680 SF

1. COMPONENT	FY 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION

YEAGER AIRPORT, WEST VIRGINIA

5. PROJECT TITLE	7. PROJECT NUMBER
FORCE PROTECTION- RELOCATE COONSKIN ROAD	LYBH049066

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	OCT 2010
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 15	50%
* (d) Date 35% Designed	DEC 2010
(e) Date Design Complete	OCT 2015
(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	380
(b) All Other Design Costs	20
(c) Total	400
(d) Contract	400
(e) In-House	
(4) Contract Award (Month/Year)	JAN 2016
(5) Construction Start	MAR 2016
(6) Construction Completion	JUL 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: NGB/A7AD
(240) 612-8070

DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2016

APPROPRIATION: MILITARY CONSTRUCTION -- AIR NATIONAL GUARD

PROGRAM 313: PLANNING AND DESIGN $5,104,000

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 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
WORLDWIDE UNSPECIFIED LOCATIONS	PLANNING AND DESIGN

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
52276F	961-999	PAYZ160005	$5,104

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PLANNING AND DESIGN (P-313)	LS			5,104
SUBTOTAL				5,104
TOTAL CONTRACT COST				5,104
TOTAL REQUEST				5,104

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 2016 design funds are needed to complete the design for those projects that are to be included in the FY 2016 MILCON program and to begin the design for those projects to be included in the FY 2017/2018 program. Funds also provide for design of the FY 2016 unspecified minor construction program.
CURRENT SITUATION: The ANG requires the design money in FY 2016 to ensure the design milestones for the FY 2016 and FY 2017/2018 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 2016

APPROPRIATION: MILITARY CONSTRUCTION -- AIR NATIONAL GUARD

PROGRAM 341: UNSPECIFIED MINOR CONSTRUCTION $7,734,000

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 $1,000,000 but not exceeding $3,000,000, 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 2016 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2015

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

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
52276F	962-999	PAYZ160006	$7,734

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNSPECIFIED MINOR CONSTRUCTION (P-341)	LS			7,734
SUBTOTAL				7,734
TOTAL CONTRACT COST				7,734
TOTAL REQUEST				7,734

10. Description of Proposed Construction: Provides funding for unspecified minor construction projects not otherwise authorized by law and having a funded cost between $1,000,000 and $3,000,000. 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, or unforeseen projects costing over $1,000,000, but not exceeding $3,000,000. The project requirements are anticipated to arise during late FY 2015 or FY 2016, 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 2016 MILCON program and the projects cannot wait for the FY 2017 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 reprogramming actions.

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DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2016

SECTION III

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 FY15PB	Explanation of Changes	Footprint
Guard	2017	3830	SCLT149129	SOUTHERN CALIFORNIA LOGISTICS APT	CA	Construct MQ-9 Conversion Facilities	53218F	211-179	9,300		New from FY15 PB. Supports new mission beddown	16500
Guard	2017	3830	CEKT139042	Bradley International Airport	CT	Construct Small Air Terminal	54332F	141-783	5,000		Support beddown of new C-130 mission. Economic Analysis in progress - needs coord and signature. State #1 FY16 MILCON Pri	New
Guard	2017	3830	JLWS019054	New Castle County Airport	DE	Replace Fuel Cell and Corrosion Control Hangar	52276F	211-179	11,100	11	Was 2017 in FY15 PB. State #1 FY16 MILCON priority	Existing
Guard	2017	3830	DBEH143000	Cape Canaveral	FL	NDAA Space Control Facility	53116F	141-454	6,100		State #1 FY16 MILCON priority (NM)	New
Guard	2017	3830	LSGA019179	Jacksonville International Airport	FL	Replace Fire Crash/Rescue Station	52276F	130-142	9,500		Was 2019 (FY15PB). State #2FY16 MILCON priority (#1 Current Mission)	New
Guard	2017	3830	VSSB099014	Sioux Gateway Airport/Col Bud Day Field	IA	Consolidate Support Functions- Add/Alter Building 263	52276F	171-450	9,000	0	Was out of FYDP (FY15 PB).	Existing
Guard	2017	3830	FMKM089018	Duluth International Airport	MN	Load Crew Training and Weapon Release Shops	52276F	215-552	7,600		State #1 FY16 MILCON priority	New
Guard	2017	3830	SZCQ139902	Pease International Tradeport ANG	NH	KC-46A Install Fuselage Trainer Bldg 251	51413F	171-212	1,500	15	Beddown of KC-46.	Existing
Guard	2017	3830	WKVB089082	Francis S. Gabreski Airport	NY	Add to and Alter Maintenance Complex	52276F	211-152	8,300		Was from 2018 in FY15 PB.	New
Guard	2017	3830	EUBC009109	Camp Perry ANG Station	OH	RED HORSE Logistics Complex	52276F	442-758	5,600		Was 2019 in FY15 PB	New
Guard	2017	3830	PSTE009070	McEntire Joint National Guard Base	SC	Replace Operations and Training Facility	52276F	171-445	7,400	72	Was 2018 in FY15 PB. State #1 FY16 MILCON priority.	New
Guard	2017	3830	LUXC099042	Joe Foss Field	SD	Aircraft Maintenance Shops	52276F	217-712	12,300	41	Was 2018 in FY15 PB. State #1 FY16 MILCON priority	New
Guard	2017	3830	FWJH099082	Ellington Field	TX	Consolidate Crew Readiness Facility, Building 1397	52276F	141-459	5,000		Was out of FYDP (FY15 PB). State #1 FY16 MILCON priority	Existing
Guard	2017	3830	PAYZ170005	Unspecified	VL	Planning and Design	52276F	961-000	12,300	0		
Guard	2017	3830	PAYZ170006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	15,138	0		
						TOTAL MAJOR CONSTRUCTION			**125,138**			

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 FY15PB	Explanation of Changes	Footprint
Guard	2018	3830	SAKW109201	Northwest Field-Anderson AFB	GU	RED HORSE Operational Facility	52276F	171-445	6,000	800	Out of FYDP from 2018 (FY15 PB). Project may be execuable with UMMC but not at full scope.	New
Guard	2018	3830	BXRH019091	Boise Air Terminal(Gowan Field)	ID	Operations, Training and Medical Training Facility	52276F	171-445	11,600		State #1 FY16 MILCON priority. Was out of FYDP in FY15PB.	Existing
Guard	2018	3830	JLQN049119	General Wayne A. Downing Peoria IAP (ANG)	IL	Construct New Fire Crash/Rescue Station (Current Mission)	52276F	130-142	8,700	(14)	State #3 FY16 MILCON priority.	Existing
Guard	2018	3830	WEAS079054	Louisville International Airport - Standiford Field	KY	Add/Alter Response Forces (RF) Facility Phase 1	54123F	171-445	7,100		Was 2019 in FY15 PB. State #1 FY16 MILCON priority.	New
Guard	2018	3830	SPBN019139	Otis ANGB	MA	Consolidate Base Civil Engineer Facilities	52276F	219-944	7,700		was FY2019 in FY15 PB.	Existing
Guard	2018	3830	AJXF039040	Joint Base Andrews	MD	Munitions Load Crew Training/Corrosion Control Facility	52276F	171-875	5,000		May be P-341.	New
Guard	2018	3830	TDVG029067	Alpena County Regional Airport	MI	Replace Aircraft Maintenance Hangar/Shops	52276F	211-111	14,800	2,000	Was out of FYDP (FY15 PB). State #1 FY16 MILCON priority	New
Guard	2018	3830	ULYB049040	Rosecrans MAP	MO	Replace Communications Facility	52276F	131-111	5,100		Was out of FYDP (FY15 PB). State #1 FY16 MILCON priority	New
Guard	2018	3830	LRXQ109002	Jackson International Airport	MS	Fire Crash and Rescue Station	52276F	130-142	8,300			
Guard	2018	3830	EUBC009107	Camp Perry ANG Station	OH	RED HORSE Shop Complex	52276F	219-944	8,000	900	Was out of FYDP (FY15 PB)	NEW
Guard	2018	3830	WYTD109008	Toledo Express Airport	OH	Indoor Small Arms Range	52276F	171-475	6,000			New
Guard	2018	3830	LKLW099101	Fort Indiantown Gap ANG Station	PA	Replace Operations and Training and Dining Hall Facilities	52276F	722-351	8,000	400	Was out of F YDP in FY15 PB. State #1 FY16 MILCON priority.	New
Guard	2018	3830	CURZ159055	Burlington International Airport	VT	F-35 Beddown Add/Alter 4- Bay Flight Simulator	52635F	171-212	4,500		new from FY15 PB - New Mission	New
Guard	2018	3830	PAYZ180006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	9,399	0		
Guard	2018	3830	PAYZ180005	Unspecified	VL	Planning and Design	52276F	961-000	6,830	0		
						TOTAL MAJOR CONSTRUCTION			**117,029**			

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 FY15PB	Explanation of Changes	Footprint
Guard	2019	3830	HKRZ029255	Fort Smith Municipal Airport	AR	Replace Base Supply Warehouse Complex	52276F	442-758	8,800	0	Was out of FYDP (FY15 PB)	New
Guard	2019	3830	LDXF129044	Hulman Regional Airport	IN	Construct Small Arms Range	52276F	171-475	6,500			
Guard	2019	3830	TDVG049136	Alpena County Regional Airport	MI	Replace Troop Training Quarters	52276F	725-517	10,000			New
Guard	2019	3830	MBMV099170	W. K. Kellogg Airport	MI	Force Protection Measures - Upgrade Main Base Entrance	52276F	730-839	4,000		State #2 FY16 MILCON priority	New
Guard	2019	3830	ULYB049034	Rosecrans Memorial Airport	MO	Replace Aircraft Maintenance Hangar	52276F	211-111	9,300		Was out of FYDP (FY15 PB). Relocate existing due to flood plain issues.	Existing
Guard	2019	3830	AQRC069222	Atlantic City International Airport	NJ	Dining Hall and Services Facility	52276F	722-351	9,500		Was out of FYDP (FY15 PB) State #4 FY16 MILCON priority	New
Guard	2019	3830	PBXP929798	Mansfield Lahm Airport	OH	Replace Fire Station	52276F	130-142	7,500		Was out of FYDP (FY15 PB). Scoring adjusted for space deficiency. Documented FSD1	
Guard	2019	3830	KJAQ119006	Klamath Falls Airport-Kingsley Field	OR	Construct Corrosion Control Hangar	52276F	211-159	7,000		Was out of FYDP (FY15 PB). State #2 FY16 MILCON priority	New
Guard	2019	3830	PAYZ190005	Unspecified	VL	Planning and Design	52276F	961-000	3,400	0		
Guard	2019	3830	PAYZ190006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	17,065	0		
						TOTAL MAJOR CONSTRUCTION			**83,065**			

Component	FY	APPN	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount ($000)	Change from FY15 PB	Explanation of Changes	Footprint
Guard	2020	3830	BRKR009063	Birmingham International Airport	AL	Security and Services Training Facility	52276F	730-835	6,400	0	Was 2016 in FY15PB. State #2 FY16 MILCON priority.	New
Guard	2020	3830	NGCB119030	Lincoln MAP	NE	Aerial Port and Mobility Processing Facility	52276F	171-873	5,500			New
Guard	2020	3830	PSXE999132	McGhee Tyson Airport	TN	Replace KC 135 Maintenance Hangar and Shops	52276F	211-111	33,000		Was out of FYDP (FY15 PB). State #1 MILCON priority for FY16	New
Guard	2020	3830	PAYZ200006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	8,000			

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 FY15PB	Explanation of Changes	Footprint
Guard	2020	3830	PAYZ200005	Unspecified	VL	Planning and Design	52276F	961-000	9,380			
Guard	2020	3830	XGFG139001	Dane County Regional-Truax Field	WI	ADAL Bldg 500 for Medical Training	52276F	171-450	4,200			New
Guard	2020	3830	LYBH009133	Yeager Airport	WV	Replace Communications Training Facility	52276F	131-111	6,000		Likely P-341 solution to include in hangar 107 consolidation.	
Guard	2020	3830	DPEZ029038	Cheyenne Municipal Airport	WY	Replace Security Forces Facility	52276F	730-835	5,300			New
						TOTAL MAJOR CONSTRUCTION			**77,780**			

DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2016

SECTION III

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 15 PB	Explanation of Changes	Footprint
Guard	2020	3830	BRKR009063	Birmingham International Airport	AL	Security and Services Training Facility	52276F	730-835	6,400	0	Was 2016 in FY15PB. State #2 FY16 MILCON priority.	New
Guard	2019	3830	HKRZ029255	Fort Smith Municipal Airport	AR	Replace Base Supply Warehouse Complex	52276F	442-758	8,800	0	Was out of FYDP (FY15 PB)	Existing
Guard	2017	3830	SCLT149129	SOUTHERN CALIFORNIA LOGISTICS A	CA	Construct MQ-9 Conversion Facilities	53218F	211-179	9,300		New from FY15 PB. Supports new mission beddown	16500
Guard	2017	3830	CEKT139042	Bradley International Airport	CT	Construct Small Air Terminal	54332F	141-783	5,000		Support beddown of new C-130 mission. Economic Analysis in progress - needs cood and signature. State #1 FY16 MILCON Pri	New
Guard	2017	3830	JLWS019054	New Castle County Airport	DE	Replace Fuel Cell and Corrosion Control Hangar	52276F	211-179	11,100	11	Was 2017 in FY15 PB. State #1 FY16 MILCON priority	Existing
Guard	2017	3830	DBEH143000	Cape Canaveral	FL	NDAA Space Control Facility	53116F	141-454	6,100		State #1 FY16 MILCON priority (NM)	New
Guard	2017	3830	LSGA019179	Jacksonville International Airport	FL	Replace Fire Crash/Rescue Station	52276F	130-142	9,500		Was 2019 (FY15PB). State #2FY16 MILCON priority (#1 Current Mission)	New
Guard	2018	3830	SAKW109201	Northwest Field-Anderson AFB	GU	RED HORSE Operational Facility	52276F	171-445	6,000	800	Out of FYDP from 2018 (FY15 PB). Project may be executable with UMMC but not at full scope.	New
Guard	2017	3830	VSSB099014	Sioux Gateway Airport/Col Bud Day Fiel	IA	Consolidate Support Functions- Add/Alter Building 26	52276F	171-450	9,000	0	Was out of FYDP (FY15 PB).	Existing

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 15 PB	Explanation of Changes	Footprint
Guard	2018	3830	BXRH019091	Boise Air Terminal(Gowan Field)	ID	Operations, Training and Medical Training Facility	52276F	171-445	11,600		State #1 FY16 MILCON priority. Was out of FYDP in FY15PB.	Existing
Guard	2018	3830	JLQN049119	General Wayne A. Downing Peoria IAP	IL	Construct New Fire Crash/Rescue Station (Current M	52276F	130-142	8,700	(14)	State #3 FY16 MILCON priority.	Existing
Guard	2019	3830	LDXF129044	Hulman Regional Airport	IN	Construct Small Arms Range	52276F	171-475	6,500			New
Guard	2018	3830	WEAS079054	Louisville International Airport - Standifo	KY	Add/Alter Response Forces (RF) Facility Phase 1	54123F	171-445	7,100		Was 2019 in FY15 PB. State #1 FY16 MILCON priority.	New
Guard	2018	3830	SPBN019139	Otis ANGB	MA	Consolidate Base Civil Engineer Facilities	52276F	219-944	7,700		was FY2019 in FY15 PB.	Existing
Guard	2018	3830	AJXF039040	Joint Base Andrews	MD	Munitions Load Crew Training/Corrosion Control Fa	52276F	171-875	5,000		May be P-341.	New
Guard	2018	3830	TDVG029067	Alpena County Regional Airport	MI	Replace Aircraft Maintenance Hangar/Shops	52276F	211-111	14,800	2,000	Was out of FYDP (FY15 PB). State #1 FY16 MILCON priority	New
Guard	2019	3830	TDVG049136	Alpena County Regional Airport	MI	Replace Troop Training Quarters	52276F	725-517	10,000			New
Guard	2019	3830	MBMV099170	W. K. Kellogg Airport	MI	Force Protection Measures - Upgrade Main Base Ent	52276F	730-839	4,000		State #2 FY16 MILCON priority	New

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 15 PB	Explanation of Changes	Footprint
Guard	2017	3830	FMKM089018	Duluth International Airport	MN	Load Crew Training and Weapon Release Shops	52276F	215-552	7,600		State #1 FY16 MILCON priority	New
Guard	2018	3830	ULYB049040	Rosecrans MAP	MO	Replace Communications Facility	52276F	131-111	5,100		Was out of FYDP (FY15 PB). State #1 FY16 MILCON priority	New
Guard	2019	3830	ULYB049034	Rosecrans Memorial Airport	MO	Replace Aircraft Maintenance Hangar	52276F	211-111	9,300		Was out of FYDP (FY15 PB). Relocate existing due to flood plain issues.	Existing
Guard	2018	3830	LRXQ109002	Jackson International Airport	MS	Fire Crash and Rescue Station	52276F	130-142	8,300			New
Guard	2020	3830	NGCB119030	Lincoln MAP	NE	Aerial Port and Mobility Processing Facility	52276F	171-873	5,500			New
Guard	2017	3830	SZCQ139902	Pease International Tradeport ANG	NH	KC-46A Install Fuselage Trainer Bldg 251	51413F	171-212	1,500	15	Beddown of KC-46.	Existing
Guard	2019	3830	AQRC069222	Atlantic City International Airport	NJ	Dining Hall and Services Facility	52276F	722-351	9,500		Was out of FYDP (FY15 PB) State #4 FY16 MILCON priority	New
Guard	2017	3830	WKVB089082	Francis S. Gabreski Airport	NY	Add to and Alter Maintenance Complex	52276F	211-152	8,300		Was from 2018 in FY15 PB.	New

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 15 PB	Explanation of Changes	Footprint
Guard	2017	3830	EUBC009109	Camp Perry ANG Station	OH	RED HORSE Logistics Complex	52276F	442-758	5,600		Was 2019 in FY15 PB	New
Guard	2018	3830	EUBC009107	Camp Perry ANG Station	OH	RED HORSE Shop Complex	52276F	219-944	8,000	900	Was out of FYDP (FY15 PB)	NEW
Guard	2018	3830	WYTD109008	Toledo Express Airport	OH	Indoor Small Arms Range	52276F	171-475	6,000			New
Guard	2019	3830	PBXP929798	Mansfield Lahm Airport	OH	Replace Fire Station	52276F	130-142	7,500		Was out of FYDP (FY15 PB). Scoring adjusted for space deficiency. Documented FSD1	Existing
Guard	2019	3830	KJAQ119006	Klamath Falls Airport-Kingsley Field	OR	Construct Corrosion Control Hangar	52276F	211-159	7,000		Was out of FYDP (FY15 PB). State #2 FY16 MILCON priority	New
Guard	2018	3830	LKLW099101	Fort Indiantown Gap ANG Station	PA	Replace Operations and Training and Dining Hall Fac	52276F	722-351	8,000	400	Was out of F YDP in FY15 PB. State #1 FY16 MILCON priority.	New
Guard	2017	3830	PSTE009070	McEntire Joint National Guard Base	SC	Replace Operations and Training Facility	52276F	171-445	7,400	72	Was 2018 in FY15 PB. State #1 FY16 MILCON priority.	New
Guard	2017	3830	LUXC099042	Joe Foss Field	SD	Aircraft Maintenance Shops	52276F	217-712	12,300	41	Was 2018 in FY15 PB. State #1 FY16 MILCON priority	New
Guard	2020	3830	PSXE999132	McGhee Tyson Airport	TN	Replace KC 135 Maintenance Hangar and Shops	52276F	211-111	33,000		Was out of FYDP (FY15 PB). State #1 MILCON priority for FY16	New
Guard	2017	3830	FWJH099082	Ellington Field	TX	Consolidate Crew Readiness Facility, Building 1397	52276F	141-459	5,000		Was out of FYDP (FY15 PB). State #1 FY16 MILCON priority	Existing

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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 15 PB	Explanation of Changes	Footprint
Guard	2017	3830	PAYZ170005	Unspecified	VL	Planning and Design	52276F	961-000	12,300	0		
Guard	2017	3830	PAYZ170006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	15,138	0		
Guard	2018	3830	PAYZ180006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	9,399	0		
Guard	2018	3830	PAYZ180005	Unspecified	VL	Planning and Design	52276F	961-000	6,830	0		
Guard	2019	3830	PAYZ190005	Unspecified	VL	Planning and Design	52276F	961-000	3,400	0		
Guard	2019	3830	PAYZ190006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	17,065	0		
Guard	2020	3830	PAYZ200006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	8,000			
Guard	2020	3830	PAYZ200005	Unspecified	VL	Planning and Design	52276F	961-000	9,380			
Guard	2018	3830	CURZ159055	Burlington International Airport	VT	F-35 Beddown Add/Alter 4- Bay Flight Simulator	52635F	171-212	4,500		new from FY15 PB - New Mission	New
Guard	2020	3830	XGFG139001	Dane County Regional-Truax Field	WI	ADAL Bldg 500 for Medical Training	52276F	171-450	4,200			New
Guard	2020	3830	LYBH009133	Yeager Airport	WV	Replace Communications Training Facility	52276F	131-111	6,000		Likely P-341 solution to include in hangar 107 consolidation.	Existing

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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 15 PB	Explanation of Changes	Footprint
Guard	2020	3830	DPEZ029038	Cheyenne Municipal Airport	WY	Replace Security Forces Facility	52276F	730-835	5,300			Existing

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