

AIR NATIONAL GUARD

Fiscal Year (FY) 2018

BUDGET ESTIMATES



MILITARY CONSTRUCTION

APPROPRIATION 3830

PROGRAM YEAR 2018

Justification Data Submitted to Congress

May 2017

**DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2018**

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**SUMMARY PROJECT LIST
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM -- FY 2018**

STATE	INSTALLATION AND PROJECT	AUTH AMOUNT (\$000)	APPN AMOUNT (\$000)	PAGE NO.
CALIFORNIA	March Air Reserve Base TFI - Construct RPA Flight Training Unit	<u>15,000</u> 15,000	<u>15,000</u> 15,000	II-1
COLORADO	Peterson Air Force Base Space Control Facility	<u>8,000</u> 8,000	<u>8,000</u> 8,000	II-6
CONNECTICUT	Bradley International Airport Construct Base Entry Complex	<u>7,000</u> 7,000	<u>7,000</u> 7,000	II-11
KENTUCKY	Louisville International Airport Add/Alter Response Forces Facility	<u>9,000</u> 9,000	<u>9,000</u> 9,000	II-16
MISSOURI	Rosecrans Memorial Airport Replace Communications Facility	<u>10,000</u> 10,000	<u>10,000</u> 10,000	II-22
NEW YORK	Hancock Field Add to Flight Training Unit, Building 641	<u>6,800</u> 6,800	<u>6,800</u> 6,800	II-27
OHIO	Toledo Express Airport NORTHCOM - Construct Alert Hangar	<u>15,000</u> 15,000	<u>15,000</u> 15,000	II-32
OREGON	Klamath Falls International Airport Construct Corrosion Control Hangar	<u>10,500</u> <u>8,000</u>	<u>10,500</u> <u>8,000</u>	II-37
	Construct Indoor Range	18,500	18,500	II-42
SOUTH DAKOTA	Joe Foss Field Aircraft Maintenance Shops	<u>12,000</u> 12,000	<u>12,000</u> 12,000	II-45
TENNESSEE	McGhee Tyson Airport Replace KC-135 Maintenance Hangar and Shops	<u>25,000</u> 25,000	<u>25,000</u> 25,000	II-50
	SUB-TOTAL -- MAJOR CONSTRUCTION	<u>126,300</u>	<u>126,300</u>	
	PLANNING AND DESIGN		18,000	II-58
	UNSPECIFIED MINOR CONSTRUCTION		17,191	II-62
	SUB - TOTAL -- SUPPORT COSTS		<u>35,191</u>	
	GRAND TOTAL - FY 2018 REQUEST	126,300	161,491	

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**NEW MISSION/CURRENT MISSION EXHIBIT
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM -- FY 2018**

LOCATION	PROJECT	COST (\$000)	CURRENT/ NEW/ENV
March Air Reserve Base, CA	TFI - Construct RPA Flight Training Unit	15,000	N
Peterson Air Force Base, CO	Space Control Facility	8,000	N
Bradley International Airport, CT	Construct Base Entry Complex	7,000	C
Louisville International Airport, KY	Add/Alter Response Forces Facility	9,000	C
Rosecrans Memorial Airport, MO	Replace Communications Facility	10,000	C
Hancock Field, NY	Add to Flight Training Unit, Building 641	6,800	N
Toledo Express Airport, OH	NORTHCOM - Construct Alert Hangar	15,000	C
Klamath Falls International Airport, OR	Construct Corrosion Control Hangar	10,500	C
Klamath Falls International Airport, OR	Construct Indoor Range	8,000	C
Joe Foss Field, SD	Aircraft Maintenance Shops	12,000	C
McGhee Tyson Airport, TN	Replace KC-135 Maintenance Hangar and Shops	25,000	C
	PLANNING AND DESIGN	18,000	
	UNSPECIFIED MINOR CONSTRUCTION	17,191	
	TOTAL ENERGY	0	
	TOTAL ENVIRONMENTAL	0	
	TOTAL NEW MISSION (3)	29,800	
	TOTAL CURRENT MISSION ()	96,500	
	GRAND TOTAL - FY 2018 REQUEST	161,491	

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**DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2018**

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, \$161,491,000 to remain available until September 30, 2022.

SPECIAL PROGRAM CONSIDERATIONS

Environmental Compliance

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

Flood Plain Management and Wetland Protection

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

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

Preservation of Historical Sites and Structures

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

Environmental Protection

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

Economic Analysis

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

SPECIAL PROGRAM CONSIDERATIONS
(continued)

Reserve Manpower Potential

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

Construction Criteria Manual

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

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**DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2018**

SECTION II

PROJECT INSTALLATION / JUSTIFICATION DATA

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1. COMPONENT ANG	FY 2018 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE May 2017												
3. INSTALLATION AND LOCATION MARCH AIR RESERVE BASE, RIVERSIDE		4. AREA CONSTR COST INDEX 1.17												
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training, daily use by technician/AGR force and for training.														
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS ARNG Riverside Armory, naval Operations Center, 63rd Regional Support Group														
7. PROJECTS REQUESTED IN THIS PROGRAM <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">CATEGORY CODE</th> <th style="text-align: left; border-bottom: 1px solid black;">PROJECT TITLE</th> <th style="text-align: left; border-bottom: 1px solid black;">SCOPE</th> <th style="text-align: left; border-bottom: 1px solid black;">COST \$(000)</th> <th style="text-align: left; border-bottom: 1px solid black;">DESIGN STATUS START</th> <th style="text-align: left; border-bottom: 1px solid black;">COMPLETE</th> </tr> </thead> <tbody> <tr> <td>171-211</td> <td>TFI Construct RPA FTU</td> <td>2,954 SM (31,800 SF)</td> <td>14,000</td> <td>Jun 16</td> <td>Sep 17</td> </tr> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	DESIGN STATUS START	COMPLETE	171-211	TFI Construct RPA FTU	2,954 SM (31,800 SF)	14,000	Jun 16	Sep 17
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	DESIGN STATUS START	COMPLETE									
171-211	TFI Construct RPA FTU	2,954 SM (31,800 SF)	14,000	Jun 16	Sep 17									
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: Unilateral Construction Approved <div style="text-align: right;">(Date)</div>														
9. LAND ACQUISITION REQUIRED <div style="text-align: right;">None (Number of Acres)</div>														
10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">CATEGORY CODE</th> <th style="text-align: left; border-bottom: 1px solid black;">PROJECT TITLE</th> <th style="text-align: left; border-bottom: 1px solid black;">SCOPE</th> <th style="text-align: left; border-bottom: 1px solid black;">COST \$(000)</th> </tr> </thead> <tbody> <tr> <td></td> <td colspan="3">R&M Unfunded Requirements: \$15,025,000</td> </tr> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)		R&M Unfunded Requirements: \$15,025,000						
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	R&M Unfunded Requirements: \$15,025,000													

1. COMPONENT ANG	FY 2018 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE May 2017		
3. INSTALLATION AND LOCATION MARCH AIR RESERVE BASE, RIVERSIDE							
11. PERSONNEL STRENGTH AS OF 22 Mar 16							
		PERMANENT			GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	332	33	72	227	862	142	720
ACTUAL	321	33	69	219	865	128	737
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>		<u>STRENGTH</u>		<u>ACTUAL</u>	
	160 ATK SQ	38				28	
	163 MXG (D)	4				0	
	162 Rescue Wing	0				0	
	160 ATK_SQ	42				31	
	163 MXG_D	40				57	
	163 Aircraft Maintenance Squadron	69				83	
	163 Civil Engineering Squadron	81				74	
	163 Communication Flight	31				32	
	163 Comptroller Flight	10				14	
	163 Force Support Squadron	50				57	
	163 Logistics Readiness Squadron	69				57	
	163 Medical Group	41				45	
	163 Maintenance Operations Flight	12				17	
	163 Mission Support Group	8				11	
	163 Maintenance Group	31				27	
	163 Operations Group	7				5	
	163 Operations Support Squadron	109				93	
	163 Reconnaissance Wing	44				36	
	163 Security Forces Squadron	74				68	
	196 Rescue Squadron	105				100	
	210 Weather Flight	15				7	
	8163 Student Flight	24				51	
	TOTALS	904				893	
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ACTUAL</u>			
	Vehicles	131				117	
	Vehicle Equivalents	293				293	
	Equipment	213				210	
	MQ-1	1				1	
	GCS	8				8	

1. COMPONENT ANG	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE May 2017	
3. INSTALLATION AND LOCATION MARCH AIR RESERVE BASE, CALIFORNIA			4. PROJECT TITLE TFI CONSTRUCT RPA FLIGHT TRAINING UNIT		
5. PROGRAM ELEMENT 53218F	6. CATEGORY CODE 171-211	7. PROJECT NUMBER PDPG169013	8. PROJECT COST(\$000) \$15,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
TFI CONSTRUCT RPA FTU		SM	2,954		11,186
CONSTRUCT RPA TRAINING AREA (171-211)		SM	2,285	3,821	(8,731)
CONSTRUCT SIMULATOR SPACE (171-212)		SM	669	3,670	(2,455)
SUPPORTING FACILITIES					2,216
UTILITIES		LS			(209)
ELECTRICAL		LS			(125)
SITWORK		LS			(250)
PAVEMENTS		LS			(200)
COMM ALLIED SUPPORT		LS			(200)
SEISMIC CONSIDERATIONS FOR CA		LS			(1,044)
SUSTAINMENT AND ENERGY MEASURES		LS			(188)
SUBTOTAL					13,402
CONTINGENCY (5%)					670
TOTAL CONTRACT COST					14,072
SUPERVISION, INSPECTION AND OVERHEAD (6%)					844
TOTAL REQUEST					14,916
TOTAL REQUEST (ROUNDED)					15,000
10. Description of Proposed Construction: Construct new Remote Piloted Aircraft (RPA) Flight Training Unit (FTU) 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: Facilities and infrastructure for schoolhouse administration, classrooms, and hands-on Ground Control Station (GCS) and simulator training devices. Demolish existing 30 year old metal steel frame building. Provide new electrical service, fire suppression with booster pump, site improvements to include parking for 60 POVs, provide separate.					
11. REQUIREMENT: 2,954 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM PROJECT: Construct new Total Force Initiative (TFI) FTU Operations and Simulator Training (New Mission) REQUIREMENT: The base requires a properly sized and properly configured Field Training Unit to support MQ-9 Reaper aircrew (pilot and sensor operator) training and 12 PAA MQ-9 aircraft. Additional FTU space is required as the throughput of students has doubled and the existing facility cannot support the increased throughput volume without expansion. Required functional areas include Mobile and/or Fixed Ground Control Stations (2), simulator spaces (2), classrooms (2), administrative and support and latrine spaces as well as dedicated Active Duty Associate administrative spaces. CURRENT SITUATION: Due to the conversion to MQ-9s and an increase in the requirement for RPA pilots across the Air Force, a TFI Flight Training Unit is required At March ANG Base, CA. The FTU requires appropriate, functional space. The current ANG FTU facility located in a portion of building 2272, has several issues; it lacks space, the plumbing requires replacement, the finishes are at the end of					

1. COMPONENT ANG	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE May 2017												
3. INSTALLATION AND LOCATION MARCH AIR RESERVE BASE, CALIFORNIA														
5. PROJECT TITLE TFI CONSTRUCT RPA FLIGHT TRAINING UNIT	7. PROJECT NUMBER PDPG169013													
<p>their life, and the facility is not conducive to flight classroom training. Additionally, current flight simulation area in building 2272 does not have a fire suppression system and the mechanical system is not adequate for the additional flight simulator heat load.</p> <p>IMPACT IF NOT PROVIDED: The 163d Attack Wing will not be able to support required RPA training numbers and will have to get additional temporary facilities to house the simulator units scheduled for delivery in Oct 2016. The space shortages and use of temporary space will have a significant impact on the capacity and quality of MQ-9 pilot and sensor operator training. On top of the status quo student throughput, FY16 brought an RPA pilot surge to the FTU, increasing the crew training requirement.</p> <p>ADDITIONAL: All space authorizations are in accordance with Air National Guard Handbook 32-1084, "Facility Requirements". All known alternatives /options were considered during 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. This project will include all Seismic code requirements for the state and federal guidelines. The space vacated in building 2272 by this project will be re-configured for use by the Combat Weather Flight under a separate project. 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.</p> <table border="0" data-bbox="235 1144 1412 1249"> <thead> <tr> <th>CatCode</th> <th>Requirement</th> <th>Adequate</th> <th>Substandard</th> </tr> </thead> <tbody> <tr> <td>171-211 FLIGHT TRAINING CLASSROOM</td> <td>2,285 SM</td> <td>0 SM</td> <td>0 SM</td> </tr> <tr> <td>171-212 FLGHT SIMULATOR TRAINING</td> <td>669 SM</td> <td>0 SM</td> <td>0 SM</td> </tr> </tbody> </table> <p>CONSTRUCT RPA TRAINING AREA (171-211) 2,285 SM = 24,600 SF CONSTRUCT SIMULATOR SPACE (171-212) 669 SM = 7,200 SF</p>			CatCode	Requirement	Adequate	Substandard	171-211 FLIGHT TRAINING CLASSROOM	2,285 SM	0 SM	0 SM	171-212 FLGHT SIMULATOR TRAINING	669 SM	0 SM	0 SM
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171-211 FLIGHT TRAINING CLASSROOM	2,285 SM	0 SM	0 SM											
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3. INSTALLATION AND LOCATION MARCH AIR RESERVE BASE, CALIFORNIA																														
5. PROJECT TITLE TFI CONSTRUCT RPA FLIGHT TRAINING SCHOOL		7. PROJECT NUMBER PDPG169013																												
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>JUN 2016</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>Y</td> </tr> <tr> <td>(c) Percent Complete as of Jan 0</td> <td>35%</td> </tr> <tr> <td>* (d) Date 35% Designed</td> <td>SEP 2016</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>SEP 2017</td> </tr> <tr> <td>(f) Type of Design Contract</td> <td>Design-Build</td> </tr> <tr> <td>(g) Energy Study/Life-Cycle analysis was/will be performed</td> <td>No</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>No</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>681</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>470</td> </tr> <tr> <td>(c) Total</td> <td>1,151</td> </tr> <tr> <td>(d) Contract</td> <td>1,151</td> </tr> <tr> <td>(e) In-House</td> <td></td> </tr> </table> <p>(4) Contract Award (Month/Year) DEC 2017</p> <p>(5) Construction Start JAN 2018</p> <p>(6) Construction Completion JUL 2018</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> <p>POINT OF CONTACT: NGB/A4AD (240) 612-8508</p>			(a) Date Design Started	JUN 2016	(b) Parametric Cost Estimates used to develop costs	Y	(c) Percent Complete as of Jan 0	35%	* (d) Date 35% Designed	SEP 2016	(e) Date Design Complete	SEP 2017	(f) Type of Design Contract	Design-Build	(g) Energy Study/Life-Cycle analysis was/will be performed	No	(a) Standard or Definitive Design -	No	(b) Where Design Was Most Recently Used -		(a) Production of Plans and Specifications	681	(b) All Other Design Costs	470	(c) Total	1,151	(d) Contract	1,151	(e) In-House	
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1. COMPONENT ANG	FY 2018 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE May 2017																		
3. INSTALLATION AND LOCATION PETERSON AFB, COLORADO SPRINGS		4. AREA CONSTR COST INDEX 1.02																		
5. FREQUENCY AND TYPE OF UTILIZATION Normal Air National Guard organization operation. One unit training assembly 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 U.S. Air Force Academy, Fort Carson.																				
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9. LAND ACQUISITION REQUIRED <div style="text-align: right;"><u>None</u> (Number of Acres)</div>																				
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1. COMPONENT ANG	FY 2018 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE May 2017								
3. INSTALLATION AND LOCATION PETERSON AFB, COLORADO SPRINGS										
11. PERSONNEL STRENGTH AS OF 01 Sep 16										
	PERMANENT	GUARD/RESERVE								
	<u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u> <u>CIVILIAN</u>	<u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u>								
AUTHORIZED	88 17 71 0	88 17 71								
ACTUAL	0 0 0 0	0 0 0								
12. RESERVE UNIT DATA										
<u>UNIT DESIGNATION</u> 215 Operations		<table style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2" style="text-align: center;"><u>STRENGTH</u></td> </tr> <tr> <td style="text-align: center;"><u>AUTHORIZED</u></td> <td style="text-align: center;"><u>ACTUAL</u></td> </tr> <tr> <td style="text-align: center;">88</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="text-align: center;">88</td> <td></td> </tr> </table>	<u>STRENGTH</u>		<u>AUTHORIZED</u>	<u>ACTUAL</u>	88	0	88	
<u>STRENGTH</u>										
<u>AUTHORIZED</u>	<u>ACTUAL</u>									
88	0									
88										
	TOTALS									
13. MAJOR EQUIPMENT AND AIRCRAFT										
N/A	<u>TYPE</u>	<u>AUTHORIZED</u> <u>ACTUAL</u>								

1. COMPONENT ANG	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE May 2017
3. INSTALLATION AND LOCATION PETERSON AFB, COLORADO			4. PROJECT TITLE SPACE CONTROL FACILITY	
5. PROGRAM ELEMENT C5116F	6. CATEGORY CODE 141-454	7. PROJECT NUMBER TDKA169004	8. PROJECT COST(\$000) \$8,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
SPACE CONTROL FACILITY	SM	1,124		5,354
OPERATIONAL AREA (141454)	SM	1,096	4,822	(5,285)
HAZARDOUS STORAGE (442257)	SM	28	2,465	(69)
SUPPORTING FACILITIES	LS			1,672
UTILITIES	LS			(394)
EQUIPMENT PAD	SM	2,090	172	(359)
PAVEMENTS	SM	2,090	110	(230)
SITE IMPROVEMENTS	LS			(525)
COMM SUPPORT	LS			(164)
SUSTAINABILITY AND ENERGY MEASURES	LS			196
SUBTOTAL				7,222
CONTINGENCY (5%)				361
TOTAL CONTRACT COST				7,583
SUPERVISION, INSPECTION AND OVERHEAD (6%)				454
TOTAL REQUEST				8,037
TOTAL REQUEST (ROUNDED)				8,000
10. Description of Proposed Construction: Construct a Space Control Facility utilizing conventional design and construction methods. 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. This facility will 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: Provide for open floor plan with Secure Compartmentalized Information Facility (SCIF) space capable of accommodating 88 personnel. Exterior site improvements, equipment pad, utility services, roadways, sidewalks, parking lots, access pavements, drainage, fencing, and gates. HAZMAT Storage to include space for fuel storage, used oil depository and flammable storage locker. Facility and equipment require Protection Level 3. Air Conditioning: 175 KW.				
11. REQUIREMENT: 1,124 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM <u>PROJECT:</u> Space Control Facility (New Mission) <u>REQUIREMENT:</u> The Colorado Air National Guard requires adequately sized and properly configured space to support a Space Control Squadron functions in accordance with force structure changes identified by the FY18 Program Action Memorandum. The facility must provide adequate space to support the squadron's operations, maintenance, security, command and administration, and storage areas. Facility must have an unobstructed view of the southern horizon. <u>CURRENT SITUATION:</u> A new Space Control Squadron will be created in Colorado, most likely at Peterson AFB. The squadron does not currently existing and there are no adequate facilities located at either Peterson or Buckley AFBs for this space control squadron. The only solution that meets all mission requirements is to construct a new facility on Peterson AFB. <u>IMPACT IF NOT PROVIDED:</u> Unable to beddown the space control mission and equipment, with operational and strategic mission impacts due to inadequate facilities.				

1. COMPONENT ANG	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE May 2017																							
3. INSTALLATION AND LOCATION PETERSON AFB, COLORADO																									
5. PROJECT TITLE SPACE CONTROL FACILITY	7. PROJECT NUMBER TDKA169004																								
<p><u>ADDITIONAL</u>: 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, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction will be the most cost efficient alternative over the life of the project.</p>																									
<table border="0"> <tr> <td>CatCode</td> <td>Requirement</td> <td>Adequate</td> <td>Substandard</td> </tr> <tr> <td>141-454 SPECIAL OPERATIONS</td> <td>1,096 SM</td> <td>0 SM</td> <td>0 SM</td> </tr> <tr> <td>132-133 EQUIPMENT PAD</td> <td>6,271 SM</td> <td>0 SM</td> <td>0 SM</td> </tr> <tr> <td>852-262 NON-ORGANIZATIONAL VEHICLE PKN</td> <td>1,923 SM</td> <td>0 SM</td> <td>0 SM</td> </tr> <tr> <td>852-261 OPERATIONAL VEHICLE PARKING</td> <td>167 SM</td> <td>0 SM</td> <td>0 SM</td> </tr> <tr> <td>442-257 BASE HAZARDOUS STORAGE</td> <td>28 SM</td> <td>0 SM</td> <td>0 SM</td> </tr> </table>	CatCode	Requirement	Adequate	Substandard	141-454 SPECIAL OPERATIONS	1,096 SM	0 SM	0 SM	132-133 EQUIPMENT PAD	6,271 SM	0 SM	0 SM	852-262 NON-ORGANIZATIONAL VEHICLE PKN	1,923 SM	0 SM	0 SM	852-261 OPERATIONAL VEHICLE PARKING	167 SM	0 SM	0 SM	442-257 BASE HAZARDOUS STORAGE	28 SM	0 SM	0 SM	
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442-257 BASE HAZARDOUS STORAGE	28 SM	0 SM	0 SM																						
<p>OPERATIONAL AREA (141454) 1,096 SM = 11,800 SF HAZARDOUS STORAGE (442257) 28 SM = 300 SF EQUIPMENT PAD 2,090 SM = 2,500 SY PAVEMENTS 2,090 SM = 2,500 SY</p>																									

1. COMPONENT ANG	FY 2018 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE May 2017												
3. INSTALLATION AND LOCATION BRADLEY INTERNATIONAL AIRPORT, EAST GRANBY		4. AREA CONSTR COST INDEX 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 Four Army National Guard Installations														
7. PROJECTS REQUESTED IN THIS PROGRAM <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>CATEGORY</u> <u>CODE</u></th> <th style="text-align: left;"><u>PROJECT TITLE</u></th> <th style="text-align: left;"><u>SCOPE</u></th> <th style="text-align: left;"><u>COST</u> <u>\$(000)</u></th> <th style="text-align: left;"><u>DESIGN STATUS</u> <u>START</u></th> <th style="text-align: left;"><u>COMPLETE</u></th> </tr> </thead> <tbody> <tr> <td>730-839</td> <td>Construct Base Entry Complex</td> <td>186 SM (2,000 SF)</td> <td>7,000</td> <td>Nov 16</td> <td>Aug 17</td> </tr> </tbody> </table>			<u>CATEGORY</u> <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u> <u>\$(000)</u>	<u>DESIGN STATUS</u> <u>START</u>	<u>COMPLETE</u>	730-839	Construct Base Entry Complex	186 SM (2,000 SF)	7,000	Nov 16	Aug 17
<u>CATEGORY</u> <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u> <u>\$(000)</u>	<u>DESIGN STATUS</u> <u>START</u>	<u>COMPLETE</u>									
730-839	Construct Base Entry Complex	186 SM (2,000 SF)	7,000	Nov 16	Aug 17									
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: Unilateral Construction Approved <div style="text-align: right;">07 Apr 16 (Date)</div>														
9. LAND ACQUISITION REQUIRED <div style="text-align: right;">None (Number of Acres)</div>														
10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>CATEGORY</u> <u>CODE</u></th> <th style="text-align: left;"><u>PROJECT TITLE</u></th> <th style="text-align: left;"><u>SCOPE</u></th> <th style="text-align: left;"><u>COST</u> <u>\$(000)</u></th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			<u>CATEGORY</u> <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u> <u>\$(000)</u>								
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1. COMPONENT ANG	FY 2018 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE May 2017		
3. INSTALLATION AND LOCATION BRADLEY INTERNATIONAL AIRPORT, EAST GRANBY							
11. PERSONNEL STRENGTH AS OF 29 Mar 16							
		PERMANENT			GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	286	20	74	192	891	128	763
ACTUAL	300	17	69	214	908	112	796
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>		<u>STRENGTH</u>		<u>ACTUAL</u>	
	103 Aircraft Maintenance Squadron	57				49	
	103 Airlift Wing	45				43	
	103 Civil Engineering Squadron	91				98	
	103 Communication Flight	31				32	
	103 Comptroller Flight	12				11	
	103 Force Support Squadron	46				46	
	103 Logistics Readiness Squadron	122				125	
	103 Medical Group	51				51	
	103 Maintenance Operations Flight	21				17	
	103 Mission Support Group	8				9	
	103 Maintenance Flight	57				49	
	103 Maintenance Group	12				10	
	103 Maintenance Squadron	150				138	
	103 Operations Group	8				7	
	103 Operations Support Flight	46				40	
	103 Security Forces Squadron	74				72	
	103 Student Flight	18				96	
	118 Airlift Squadron	99				64	
	TOTALS	948				957	
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ACTUAL</u>			
	Support Equipment	190				145	
	Refuelers	3				3	
	Vehicle Equivalentents	297				297	
	Vehicles	104				94	
	C-130	8				8	

1. COMPONENT ANG	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE May 2017
3. INSTALLATION AND LOCATION BRADLEY INTERNATIONAL AIRPORT, CONNECTICUT			4. PROJECT TITLE CONSTRUCT BASE ENTRY COMPLEX	
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 730-839	7. PROJECT NUMBER CEKT139029	8. PROJECT COST(\$000) \$7,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CONSTRUCT BASE ENTRY COMPLEX	SM	186		3,523
TRAFFIC CHECK HOUSE (730839)	SM	37	8,170	(302)
VEHICLE INSPECTION AREA (730839)	SM	149	2,669	(398)
ROADS AND PARKING LOTS (851147)	SM	6,689	222	(1,485)
WIDEN SUPER SABER AVENUE (851147)	SM	8,110	165	(1,338)
SUPPORTING FACILITIES	LS			2,264
BARRIER SYSTEMS	EA	4	82,817	(331)
SIGNAGE	LS			(7)
HIGHWAY IMPROVEMENTS AND TRAFFIC LIGHT	LS			(690)
DRAINAGE	LS			(276)
CURBING AND ROAD STRIPING	LS			(166)
UTILITIES	LS			(345)
SITE IMPROVEMENTS	LS			(138)
COMMUNICATION SUPPORT	LS			(207)
FENCING AND GATES	LS			(104)
ENERGY AND SUSTAINABILITY MEASURES	LS			<u>483</u>
SUBTOTAL				6,270
CONTINGENCY (5%)				<u>314</u>
TOTAL CONTRACT COST				6,584
SUPERVISION, INSPECTION AND OVERHEAD (6%)				<u>395</u>
TOTAL REQUEST				6,979
TOTAL REQUEST (ROUNDED)				7,000
10. Description of Proposed Construction: Construct a Base Entry Complex by utilizing conventional design and construction methods to accommodate the mission of the facility. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria. Special Construction Requirements: Traffic control devices and pop-up barrier systems. Military Construction Cooperative Agreement for roadway and traffic signal improvements immediately adjoining the base entrance is required. Provide support infrastructure for C-130 static display within entry complex area. Air Conditioning: 7 KW.				
11. REQUIREMENT: 177 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM PROJECT: Construct Base Entry Complex (Current Mission) REQUIREMENT: The installation requires a properly sized, correctly located base entry complex to support 8 PAA C-130 aircraft and supporting missions. Specifically needed is a road system and parking, fencing, traffic check house, vehicle inspection area, and over watch area. Traffic control devices and pop-up barrier systems are also required along with special construction needed to connect the base entrance to the surrounding off-base road system. CURRENT SITUATION: The base's current main entrance does not meet any security or safety standards and has consistently failed all Vulnerability Assessment Team inspections. The entrance and gatehouse are located immediately at a "T" intersection of two public roadways that are main thoroughfares for traffic around the airport and the associated industrial park next door. Heavy vehicular traffic to include large commercial vehicles and semi-trailers are the norm. There is				

1. COMPONENT ANG	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE May 2017																												
3. INSTALLATION AND LOCATION BRADLEY INTERNATIONAL AIRPORT, CONNECTICUT																														
5. PROJECT TITLE CONSTRUCT BASE ENTRY COMPLEX		7. PROJECT NUMBER CEKT139029																												
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>NOV 2016</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>No</td> </tr> <tr> <td>(c) Percent Complete as of Jan 2017</td> <td>10%</td> </tr> <tr> <td>* (d) Date 35% Designed</td> <td>MAY 2017</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>AUG 2017</td> </tr> <tr> <td>(f) Type of Design Contract</td> <td>Design-Build</td> </tr> <tr> <td>(g) Energy Study/Life-Cycle analysis was/will be performed</td> <td>No</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>No</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>0</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>0</td> </tr> <tr> <td>(c) Total</td> <td>0</td> </tr> <tr> <td>(d) Contract</td> <td>0</td> </tr> <tr> <td>(e) In-House</td> <td></td> </tr> </table> <p>(4) Contract Award (Month/Year) DEC 2017</p> <p>(5) Construction Start MAR 2018</p> <p>(6) Construction Completion MAY 2019</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> <p>POINT OF CONTACT: NGB/A4AD (240) 612-4498</p>			(a) Date Design Started	NOV 2016	(b) Parametric Cost Estimates used to develop costs	No	(c) Percent Complete as of Jan 2017	10%	* (d) Date 35% Designed	MAY 2017	(e) Date Design Complete	AUG 2017	(f) Type of Design Contract	Design-Build	(g) Energy Study/Life-Cycle analysis was/will be performed	No	(a) Standard or Definitive Design -	No	(b) Where Design Was Most Recently Used -		(a) Production of Plans and Specifications	0	(b) All Other Design Costs	0	(c) Total	0	(d) Contract	0	(e) In-House	
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(b) All Other Design Costs	0																													
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(e) In-House																														

1. COMPONENT ANG	FY 2018 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE May 2017																		
3. INSTALLATION AND LOCATION LOUISVILLE INTERNATIONAL AIRPORT, KENTUCKY		4. AREA CONSTR COST INDEX .88																		
5. FREQUENCY AND TYPE OF UTILIZATION UTAs performed each month:Enlisted= 3,548;Officer= 680 Annual Training days per year:Enlisted= 13,350 Officer= 2,550 Daily Installation Usage:Enlisted= 37 Officer=7																				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS TENANTS: 41st CST-WMD FAIRGROUNDS (5 mi): HQ 149th Armor Brigade; 1163rd Medical Co; 138th Field Artillery; Det 2, 2123 Trans Co; Det 4, HHC 35th ID; Det 2, HHC 35th ID BUECHEL (10 mi): HQ 198th MP Battalion; 298th Chemical C																				
7. PROJECTS REQUESTED IN THIS PROGRAM <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CATEGORY CODE</th> <th style="text-align: left;">PROJECT TITLE</th> <th style="text-align: left;">SCOPE</th> <th style="text-align: left;">COST \$(000)</th> <th colspan="2" style="text-align: left;"><u>DESIGN STATUS</u></th> </tr> <tr> <th></th> <th></th> <th></th> <th></th> <th style="text-align: left;"><u>START</u></th> <th style="text-align: left;"><u>COMPLETE</u></th> </tr> </thead> <tbody> <tr> <td>171-445</td> <td>Add/Alter Response Forces (RF) Facility</td> <td>3,135 SM (33,743 SF)</td> <td>9,000</td> <td>Aug 14</td> <td>May 17</td> </tr> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	<u>DESIGN STATUS</u>						<u>START</u>	<u>COMPLETE</u>	171-445	Add/Alter Response Forces (RF) Facility	3,135 SM (33,743 SF)	9,000	Aug 14	May 17
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	<u>DESIGN STATUS</u>																
				<u>START</u>	<u>COMPLETE</u>															
171-445	Add/Alter Response Forces (RF) Facility	3,135 SM (33,743 SF)	9,000	Aug 14	May 17															
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: US Navy Reserve-No projects to report in KY: US Marine Corps Reserve-No projects to report in KY: 81st RSC, US Army Reserve: had an unfunded AASF project at FT Knox. It was unilateral due to the type of mission and stationing location of the supported units: KYAir National Guard briefed Phases I & II of the Contingency Response Group project—the project was voted to be unilateral due to type mission and stationing location of the supported units: KY Army National Guard																				
9. LAND ACQUISITION REQUIRED <div style="text-align: right;">None (Number of Acres)</div>																				
10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CATEGORY CODE</th> <th style="text-align: left;">PROJECT TITLE</th> <th style="text-align: left;">SCOPE</th> <th style="text-align: left;">COST \$(000)</th> </tr> </thead> <tbody> <tr> <td>730-839</td> <td>Construct Entry Control Facility (ECF)</td> <td>28 SM (300 SF)</td> <td>2,000</td> </tr> <tr> <td colspan="4">R&M Unfunded Requirement: \$6,325,000</td> </tr> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	730-839	Construct Entry Control Facility (ECF)	28 SM (300 SF)	2,000	R&M Unfunded Requirement: \$6,325,000									
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)																	
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R&M Unfunded Requirement: \$6,325,000																				

1. COMPONENT ANG	FY 2018 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE May 2017
3. INSTALLATION AND LOCATION LOUISVILLE INTERNATIONAL AIRPORT, KENTUCKY		
11. PERSONNEL STRENGTH AS OF 01 Mar 16		
	PERMANENT	GUARD/RESERVE
	<u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u> <u>CIVILIAN</u>	<u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u>
AUTHORIZED	351 44 303 4	1,225 195 1,030
ACTUAL	351 44 303 4	1,183 200 983
12. RESERVE UNIT DATA		
<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>	
	<u>AUTHORIZED</u>	<u>ACTUAL</u>
123 Comptroller Flight	12	10
123 Student Flight	23	6
123 Medical Group	100	108
123 Operations Support Squadron	46	45
123 Aircraft Maintenance Squadron	57	54
123 Airlift Wing	48	46
123 Civil Engineering Squadron	117	109
123 Communication Flight	31	34
123 Contingency Response Group	5	5
123 Force Support Squadron	46	49
123 Global Mobility Readiness Squadron	47	41
123 Global Mobility Squadron	63	56
123 Logistics Readiness Squadron	122	115
123 Medical Squadron	100	109
123 Maintenance Operations Flight	21	20
123 Mission Support Group	8	9
123 Maintenance Group	12	11
123 Maintenance Squadron	150	142
123 Operations Group	8	8
123 Operations Support Flight	46	48
123 Security Forces Squadron	74	82
123 Special Tactics Squadron	84	83
165 Airlift Squadron	99	102
223 Intelligence Squadron	16	16
HO-107A-10	00	00
13. MAJOR EQUIPMENT AND AIRCRAFT		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>
C-130H Aircraft - PAA Authorized	8	8
C-130H Aircraft - BAI Authorized	1	1
Support Equivalentents Authorized	180	180
Vehicle Equivalentents Authorized	401	400

1. COMPONENT ANG	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE May 2017
3. INSTALLATION AND LOCATION LOUISVILLE INTERNATIONAL AIRPORT, KENTUCKY			4. PROJECT TITLE ADD/ALTER RESPONSE FORCES FACILITY	
5. PROGRAM ELEMENT 54123F	6. CATEGORY CODE 171-445	7. PROJECT NUMBER WEAS079054	8. PROJECT COST(\$000) \$9,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ADD/ALTER RESPONSE FORCES FACILITY	SM	3,135		7,551
CRG/SFS/FSS/EMEDS-CM ADMIN (171-445)	SM	2,601	2,616	(6,804)
ALTER SFS & SVS ADMIN (730-835)	SM	534	1,399	(747)
SUPPORTING FACILITIES				541
UTILITIES	LS	1	202,272	(202)
PAVEMENTS	LS	1	25,284	(25)
SITE IMPROVEMENTS	LS	1	96,079	(96)
COMMUNICATIONS SUPPORT	LS	1	80,909	(81)
SUSTAINABILITY AND ENERGY MEASURES	LS	1	136,534	(137)
SUBTOTAL				8,092
CONTINGENCY (5%)				405
TOTAL CONTRACT COST				8,497
SUPERVISION, INSPECTION AND OVERHEAD (6%)				509
TOTAL REQUEST				9,006
TOTAL REQUEST (ROUNDED)				9,000
10. Description of Proposed Construction: Add/alter for Contingency Response Forces using conventional design and construction methods to accommodate the mission of the facility. Facility will be designed as permanent construction in accordance with 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 force protection requirements per UFCs. Special construction requirements: To conserve limited space at the 123 Airlift Wing (AW), the structure will be two-story construction. Interior building systems shall include an open floor plan with office/shop areas to support workspaces. Facility will be prewired to support open office systems furniture. Renovations of building 100 will meet equivalent standards and support the services part of the Force Support Squadron and dining facility improvements. Air Conditioning: 245 KW.				
11. REQUIREMENT: 4,412 SM ADEQUATE: 1,277 SM SUBSTANDARD: 534 SM PROJECT: Response Forces (RF) Facility (Current Mission) REQUIREMENT: The 123rd Airlift Wing (AW) requires properly sized and configured facilities to house the Response Forces, which includes Fatality Search & Recovery Team and Services (FSRT/SVS) of the Force Support Squadron (FSS), Emergency Medical Consequence Management (EMEDS-CM), Contingency Response Group (CRG) and Security Forces Squadron (SFS). As part of the RF, FSRT and SVS are comprised of a 41-person flight. FSRT/SVS supports domestic, and OCONUS operations and is tasked including FSRT, beddown, care and feeding, and mortuary affairs. The EMEDS-CM provides medical support to incidents involving Chemical Biological, Nuclear and Explosive materials and requires 47 EMEDS-CM personnel to be immediately ready for contingency operations. CRG enables rapid global mobility and operates in austere locations, providing initial airbase assessment, command and control, airfield operations, cargo/passenger handling, quick turn aircraft maintenance, force protection, air traffic control, contingency load planning and equipment preparation, intelligence, contracting, finance, supply, fuels, and vehicle maintenance. In garrison, the				

1. COMPONENT ANG	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE May 2017
3. INSTALLATION AND LOCATION LOUISVILLE INTERNATIONAL AIRPORT, KENTUCKY		
5. PROJECT TITLE ADD/ALTER RESPONSE FORCES FACILITY	7. PROJECT NUMBER WEAS079054	
<p>CRG requires administrative space for 115 traditional guardsmen and 14 full-time personnel. SFS supports base security and global security contingencies with 75 drill status guardsmen and 31 full-time personnel. Space is required in the DFAC to support 1,200 guardsmen.</p> <p><u>CURRENT SITUATION:</u> The CRG operates in temporary facilities and shared administrative space at 55% of required space. SFS currently operates in substandard space at less than 75% of required space. SVS and FSRT operate in less than 20% of required space. The dining facility supports the wing with 80% of required space. Current space deficiencies limit operational capabilities, training opportunities, and equipment storage. Inadequate space creates delays in response preparation and mission support. Impacted units require space for operational preparation, mission support, classroom training, administrative activities, and equipment storage. The limited space adds to operational time constraints during time of emergency and obstructs the majority of training activities. For example, FSRT/SVS elements do not have space for operational preparation or classroom training. In addition, the new Mobile Kitchen does not have adequate covered storage, which accelerates degradation of stored equipment. The EMEDS-CM currently does not have any space to support its 47 drill-status members for training or emergency medical response. The EMEDS-CM personnel currently drill at an Army National Guard site scheduled for demolition.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The Response Force (RF) activities have very short response times to national defense taskings. Limited facility space increases response times by approximately 30%. Severe shortages in working space limit unit preparedness and decrease mission readiness. Units track and administer thousands of training requirements, mobilization activities, and group training events in inadequate spaces. The CRG has one classroom, which limits the frequency of certain types of training. Services and EMEDS-CM have no facilities for classroom training. Space is not available to support the FSRT mission. During surge operations, mass mobilization of these units are hampered by lack of space. Ineffective work-arounds reduce time available for mission training. These organizational deficiencies cause Airmen to deploy without adequate training. COCOM commanders will find these members inadequately trained for the mission. Training must often be accomplished at other locations, which drives additional costs and decreases available training time. SFS and SVS continue to operate in less than required facility space, which directly impacts preparation for deployment, readiness, and operational efficiency. For example, SVS has no spaces to administer the wing-wide fitness program. Operational deficiencies for SFS increase vulnerabilities in base security, increasing risk to base populace and degradation of mission capability.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air National Guard Handbook 32-1084, "Facility Requirements." Force Protection measures have been considered in the development of this project. Project siting meets standoff distance requirements. 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, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Sustainable principles, to include Life Cycle cost effective practices, will be integrated into the design, development and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c) and other applicable laws and Executive Orders. Facility number = 100 and RPUID = 521296.</p>		
CatCode	Requirement	Adequate Substandard

1. COMPONENT ANG	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE May 2017	
3. INSTALLATION AND LOCATION LOUISVILLE INTERNATIONAL AIRPORT, KENTUCKY				
5. PROJECT TITLE ADD/ALTER RESPONSE FORCES FACILITY			7. PROJECT NUMBER WEAS079054	
171-443	RES FORCES G/TNG (FSS SVS 41 p	585 SM	0 SM	109 SM
722-351	DINING FACILITY	956 SM	815 SM	0 SM
730-835	SECURITY FORCES (SF) OPERATION	929 SM	463 SM	425 SM
171-445	RESERVE FORCES O&T FACILITY	1,263 SM	0 SM	0 SM
171-450	RESERVE COMPONENT MEDICAL TRNG	437 SM	0 SM	0 SM
171-443	RES FORCES G/TNG (Honor Guard)	242 SM	0 SM	0 SM
CRG/SFS/FSS/EMEDS-CM ADMIN (171-445) 2,601 SM = 28,000 SF				
ALTER SFS & SVS ADMIN (730-835) 534 SM = 5,743 SF				

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1. COMPONENT ANG	FY 2018 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE May 2017																				
3. INSTALLATION AND LOCATION ROSECRANS MEMORIAL AIRPORT, ST JOSEPH		4. AREA CONSTR COST INDEX 1.04																				
5. FREQUENCY AND TYPE OF UTILIZATION Forty Eight (48) unit training assemblies per year, Fifteen (15) days annual field training per year, daily use by full time work force consisting of technicians, State employees, and AGR's for unit training and mission accomplishment.																						
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS 1 Army Reserve Center and 1 Army National Guard (Armory) – 13 Miles																						
7. PROJECTS REQUESTED IN THIS PROGRAM <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>CATEGORY</u> <u>CODE</u></th> <th style="text-align: left;"><u>PROJECT TITLE</u></th> <th style="text-align: left;"><u>SCOPE</u></th> <th style="text-align: left;"><u>COST</u> <u>\$(000)</u></th> <th style="text-align: left;"><u>DESIGN STATUS</u> <u>START</u> <u>COMPLETE</u></th> </tr> </thead> <tbody> <tr> <td>131-111</td> <td>Replace Communications Facility</td> <td>1,376 SM (14,800 SF)</td> <td>10,000</td> <td>Oct 16 Sep 17</td> </tr> </tbody> </table>			<u>CATEGORY</u> <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u> <u>\$(000)</u>	<u>DESIGN STATUS</u> <u>START</u> <u>COMPLETE</u>	131-111	Replace Communications Facility	1,376 SM (14,800 SF)	10,000	Oct 16 Sep 17										
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8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: Unilateral Construction Approved <div style="text-align: right;"><u>27 May 16</u> (Date)</div>																						
9. LAND ACQUISITION REQUIRED <div style="text-align: right;"><u>106</u> (Number of Acres)</div>																						
10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>CATEGORY</u> <u>CODE</u></th> <th style="text-align: left;"><u>PROJECT TITLE</u></th> <th style="text-align: left;"><u>SCOPE</u></th> <th style="text-align: left;"><u>COST</u> <u>\$(000)</u></th> </tr> </thead> <tbody> <tr> <td>171-212</td> <td>Construct C-130H Simulator Facility</td> <td>929 SM (10,000 SF)</td> <td>6,000</td> </tr> <tr> <td>442-758</td> <td>Replace Base Supply Facilities building 52</td> <td>1,115 SM (12,000 SF)</td> <td>1,800</td> </tr> <tr> <td>113-321</td> <td>Repl AATTC Aircraft Prkg Apron</td> <td>45,149 SM (54,000 SY)</td> <td>9,000</td> </tr> <tr> <td colspan="4" style="padding-left: 40px;">R&M Unfunded Requirement: \$13,270,000</td> </tr> </tbody> </table>			<u>CATEGORY</u> <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u> <u>\$(000)</u>	171-212	Construct C-130H Simulator Facility	929 SM (10,000 SF)	6,000	442-758	Replace Base Supply Facilities building 52	1,115 SM (12,000 SF)	1,800	113-321	Repl AATTC Aircraft Prkg Apron	45,149 SM (54,000 SY)	9,000	R&M Unfunded Requirement: \$13,270,000			
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3. INSTALLATION AND LOCATION ROSECRANS MEMORIAL AIRPORT, ST JOSEPH							
11. PERSONNEL STRENGTH AS OF 05 Mar 16							
		PERMANENT			GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	76	0	0	76	1,062	165	897
ACTUAL	318	40	210	68	1,010	142	868
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>		<u>STRENGTH</u>		<u>ACTUAL</u>	
	139 AATTC	56				34	
	139 Aircraft Maintenance Squadron	58				60	
	139 Airlift Wing	51				48	
	139 Civil Engineering Squadron	95				92	
	139 Communication Flight	31				31	
	139 CPF	12				10	
	139 Force Support Squadron	37				38	
	139 Logistics Readiness Squadron	122				133	
	139 Medical Group	90				72	
	139 Maintenance Operations Flight	21				20	
	139 Mission Support Group	8				8	
	139 Maintenance Group	12				11	
	139 Maintenance Squadron	150				139	
	139 Operations Group	8				7	
	139 Operations Support Flight	45				48	
	139 Security Forces Squadron	75				76	
	139 Student Flight	0				5	
	180 Airlift Squadron	101				96	
	241 Air Traffic Control Squadron	90				87	
	TOTALS	1,062				1,015	
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>STRENGTH</u>		<u>ACTUAL</u>	
	Vehicles	160				148	
	C-130H Aircraft	10				10	
	Support Equipment	177				173	
	Vehicle Equivalents	405				402	

1. COMPONENT ANG	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE May 2017	
3. INSTALLATION AND LOCATION ROSECRANS MEMORIAL AIRPORT, MISSOURI			4. PROJECT TITLE REPLACE COMMUNICATIONS FACILITY		
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 131-111	7. PROJECT NUMBER ULYB049040	8. PROJECT COST(\$000) \$10,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE COMMUNICATIONS FACILITY		SM	1,376		5,228
COMMUNICATIONS FACILITY (131111)		SM	948	3,132	(2,969)
RELOCATE COMMUNICATIONS SWITCH (131111)		LS			(918)
FATALITY SEARCH AND RECOVERY TEAM (442758)		SM	186	3,132	(583)
RESERVE FORCES GENERAL TRNG SPT (171443)		SM	242	3,132	(758)
SUPPORTING FACILITIES					3,593
UTILITIES		LS			(459)
PAVEMENTS		LS			(408)
SITE IMPROVEMENTS AND FENCING		LS			(612)
DEMOLITION (BLDGS 56, 58, 52, 82)		SM	2,039	161	(328)
MCCA: STORM WATER MAIN		LS			(1,276)
UTILITY CO WATER MAIN RELOCATION		LS			(510)
SUSTAINABILITY AND ENERGY MEASURES		LS			157
SUBTOTAL					8,978
CONTINGENCY (5%)					449
TOTAL CONTRACT COST					9,427
SUPERVISION, INSPECTION AND OVERHEAD (6%)					565
TOTAL REQUEST					9,992
TOTAL REQUEST (ROUNDED)					10,000
10. Description of Proposed Construction: Construct a Communications Facility to include Fatality Search and Recovery Team Storage and Reserve Forces General Training Support 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:.. All three functions will be collocated and project will relocate main communications and telephone switch. Facility shall include proper mail room with blast walls and ventilation, auto-start backup generator with UPS, fire protection system, necessary site work, storm drainage, utilities, roadways, parking lots, security fencing and lighting. Extension of the storm water main and relocation of Utility Co water main will be accomplished under an Military Construction Cooperative Agreement (MCCA) with the city.					
11. REQUIREMENT: 1,375 SM ADEQUATE: 0 SM SUBSTANDARD: 1,360 SM PROJECT: Construct Communication, FSRT, & Training Facility (Current Mission) REQUIREMENT: The base requires a communications facility that is adequately sized to support the telephone maintenance, LAN system, radio maintenance, computer maintenance functions and a 34 person communications flight. The Facility Search and Recovery Team (FSRT) mission requires space for storage of all the required equipment. The base also requires the training administrative space for 30 person honor guard flight and storage. CURRENT SITUATION: The existing communications facility (Building 4) was built in 1951 for use as a Base Supply Admin Facility and expanded in 1986. After the flood of 1993 that left the entire facility under 4 feet of water, the facility was configured for Maintenance Administration, Base Supply,					

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5. PROJECT TITLE REPLACE COMMUNICATIONS FACILITY	7. PROJECT NUMBER ULYB049040																	
<p>Civil Engineering, and Contracting. The facility was not reconfigured for Communications once those functions moved out. The current facility is 16,420 SF which includes communications 9,509 SF, audio visual/public affairs 2,029 SF, warehouse 3,932 SF, base admin 402 SF, and flight simulator 441 SF. It is not properly configured to support a Communications Squadron. The Communication assets in the facility are valued at over \$3M and the building does not provide sufficient fire protection for personnel or the server rooms. The communications portion of the building currently carries a Fire Safety Deficiency Code of 1. If a fire were to occur, the mission would be adversely affected and all communication capabilities would be lost. The building as a whole cannot meet ATFP standards, including the mail room which lacks proper ventilation and blast walls. Construction of a new communications facility will relocate the communications switch to the north end base property.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The unit will not have a proper facility in which to perform Communications Flight, FSRT, and training activities. Unit will continue to operate in a facility that does not protect communication servers or personnel due to the lack of ATFP compliance and a fire suppression system where the communications switch is located. Facility currently assigned Fire Safety Deficiency Code I. The existing communications facility will need extensive structural upgrades to meet ATFP standards and meet future mission requirements. It will continue to cost excessive additional money for future Military Construction projects that are constructed on the north end of the base due to the lack of proper comm infrastructure. Mission execution and training will be conducted in an inefficient and ineffective manner.</p> <p><u>ADDITIONAL:</u> 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 13693, 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. These facilities are "inhabited" buildings and meet the standoff distance requirements. An economic analysis is being prepared comparing the alternatives of new construction, partial construction, revitalization, and status quo operation, although preliminary analysis indicates new MILCON construction to be the most cost effective solution. Upon completion of this project, Bldg 52 Base Warehouse (12,443SF), Bldg 56 Supply Shed (1,350SF), Bldg 58 Base Supply Whse & Admin (7,439SF), and Bldg 82 Flt Sim Trng (721SF) will be demolished. This project is part of a larger consolidation effort for the Wing. Portions of Building 4 will be reutilized by Base Supply. RPUID = 515219. Facility number = 4.</p> <table border="0" data-bbox="235 1543 1412 1680"> <thead> <tr> <th>CatCode</th> <th>Requirement</th> <th>Adequate</th> <th>Substandard</th> </tr> </thead> <tbody> <tr> <td>131-111 TELECOMMUNICATIONS FACILITY</td> <td>948 SM</td> <td>0 SM</td> <td>933 SM</td> </tr> <tr> <td>442-758 BASE SUPPLY & EQUIPMENT WHSE</td> <td>186 SM</td> <td>0 SM</td> <td>186 SM</td> </tr> <tr> <td>171-443 RESERVE FORCES GENERAL TRANING</td> <td>242 SM</td> <td>0 SM</td> <td>242 SM</td> </tr> </tbody> </table> <p>FATALITY SEARCH AND RECOVERY TEAM (442758)186 SM = 2,000 SF RESERVE FORCES GENERAL TRNG SPT (171443)242 SM = 2,600 SF COMMUNICATIONS FACILITY (131111) 948 SM = 10,200 SF</p>			CatCode	Requirement	Adequate	Substandard	131-111 TELECOMMUNICATIONS FACILITY	948 SM	0 SM	933 SM	442-758 BASE SUPPLY & EQUIPMENT WHSE	186 SM	0 SM	186 SM	171-443 RESERVE FORCES GENERAL TRANING	242 SM	0 SM	242 SM
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1. COMPONENT ANG	FY 2018 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE May 2017												
3. INSTALLATION AND LOCATION HANCOCK FIELD, SYRACUSE		4. AREA CONSTR COST INDEX 1.13												
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 Telecommunications Centers, two Army National Guard Armories, one Naval Reserve Center, one Marine Reserve Center and two Army Reserve Centers.														
7. PROJECTS REQUESTED IN THIS PROGRAM <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CATEGORY CODE</th> <th style="text-align: left;">PROJECT TITLE</th> <th style="text-align: left;">SCOPE</th> <th style="text-align: left;">COST \$(000)</th> <th style="text-align: left;"><u>DESIGN STATUS</u> START</th> <th style="text-align: left;">COMPLETE</th> </tr> </thead> <tbody> <tr> <td>171-445</td> <td>Add to Flight Training Unit, Building 641</td> <td>850 SM (9,150 SF)</td> <td>6,000</td> <td>Sep 16</td> <td>Sep 17</td> </tr> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	<u>DESIGN STATUS</u> START	COMPLETE	171-445	Add to Flight Training Unit, Building 641	850 SM (9,150 SF)	6,000	Sep 16	Sep 17
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	<u>DESIGN STATUS</u> START	COMPLETE									
171-445	Add to Flight Training Unit, Building 641	850 SM (9,150 SF)	6,000	Sep 16	Sep 17									
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: Unilateral Construction Approved; MQ9: 2 @ SYR/4 @ Drum/ 2@ AOR; DMGCS: 2 @ SYR/1 @ Drum; GDT: 4 @ SYR/4 @ Drum; Towers: 4 @ SYR; 3 @ Drum <div style="text-align: right;">26 May 16 (Date)</div>														
9. LAND ACQUISITION REQUIRED <div style="text-align: right;">None (Number of Acres)</div>														
10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CATEGORY CODE</th> <th style="text-align: left;">PROJECT TITLE</th> <th style="text-align: left;">SCOPE</th> <th style="text-align: left;">COST \$(000)</th> </tr> </thead> <tbody> <tr> <td></td> <td colspan="3">R&M unfunded requirement: \$21,528,000</td> </tr> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)		R&M unfunded requirement: \$21,528,000						
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)											
	R&M unfunded requirement: \$21,528,000													

1. COMPONENT ANG	FY 2018 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE May 2017		
3. INSTALLATION AND LOCATION HANCOCK FIELD, SYRACUSE							
11. PERSONNEL STRENGTH AS OF 30 Mar 16							
		PERMANENT			GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	513	99	412	2	1,179	237	942
ACTUAL	398	73	323	2	1,115	167	948
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>		<u>STRENGTH</u>		<u>ACTUAL</u>	
	138 ATKS	106				81	
	108 ATKS	44				28	
	152 Air Operational Group	143				111	
	174 Aircraft Maintenance Squadron	89				65	
	174 Civil Engineering Squadron	93				88	
	174 Communication Flight	31				32	
	174 Comptroller Flight	13				14	
	174 Detachment 1	9				11	
	174 Detachment 2	14				12	
	174 Force Support Squadron	43				42	
	174 ATKW	44				38	
	174 Logistics Readiness Squadron	69				68	
	174 Medical Group	53				47	
	174 Maintenance Operations Flight	13				12	
	174 Mission Support Group	8				6	
	174 Maintenance Group	35				31	
	174 Maintenance Squadron	75				77	
	174 Operations Group	18				6	
	174 Operations Support Squadron	109				84	
	174 Security Forces Squadron	74				67	
	174 Student Flight	21				133	
	274 Air Support Operations Squadron	75				62	
	TOTALS	1,179				1,115	
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ACTUAL</u>			
	MQ-9 Reaper	12				6	
	MQ-9 Field Training Det	2				2	
	Ground Control Fixed	1				1	
	Ground Control Station Mobile DMGCS	3				2	
	Ground Control Station Mobile (MGCS)	2				1	
	Ground Control Station (FGCS) (FTD)	1				1	
	Support Equipment	336				327	
	SETTS	2				2	
	MQ-9 Caskets	14				4	
	Ground Data Terminals (GDT)	8				8	
	Ground Data Terminal Towers	8				8	
	MEOC Trailer	1				1	
	Vehicle Equivalents	468				534	

1. COMPONENT ANG	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE May 2017
3. INSTALLATION AND LOCATION HANCOCK FIELD, NEW YORK			4. PROJECT TITLE ADD TO FLIGHT TRAINING UNIT, BUILDING 641	
5. PROGRAM ELEMENT 53218F	6. CATEGORY CODE 171-212	7. PROJECT NUMBER HAAW169006	8. PROJECT COST(\$000) \$6,800	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ADD TO FLIGHT TRAINING UNIT BUILDING 641	SM	855		5,218
CONSTRUCT FACILITY ADDITION	SM	855	6,103	(5,218)
SUPPORTING FACILITIES				717
COMMUNICATIONS AND ALLIED SUPPORT	LS			(377)
UTILITIES	LS			(189)
PAVEMENTS	LS			(94)
SITE IMPROVEMENTS	LS			(57)
ENERGY AND SUSTAINABILITY MEASURES	LS			158
SUBTOTAL				6,093
CONTINGENCY (5%)				305
TOTAL CONTRACT COST				6,398
SUPERVISION, INSPECTION AND OVERHEAD (6%)				383
TOTAL REQUEST				6,781
TOTAL REQUEST (ROUNDED)				6,800
10. Description of Proposed Construction: Construct addition to an existing Flight Training Unit facility by 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: Dedicated HVAC systems for equipment and server rooms, roll-up doors, and communications allied support. Facility to be architectural compatible with existing facility. Air Conditioning: 35 KW.				
11. REQUIREMENT: 2,305 SM ADEQUATE: 1,450 SM SUBSTANDARD: 0 SM PROJECT: Add to Flight Training Unit (FTU), Building 641 (New Mission) REQUIREMENT: The base requires a properly sized and properly configured Field Training Unit to support MQ-9 Reaper aircrew (pilot and sensor operator) training and 12 PAA MQ-9 aircraft. Additional Flying Training Unit (FTU) space is required as the throughput of students has doubled and the existing facility cannot support the increased throughput volume without expansion. Required functional areas include Mobile and/or Fixed Ground Control Stations (2), simulator spaces (2), classrooms (2), administrative and support and latrine spaces as well as dedicated Active Duty Associate administrative spaces. CURRENT SITUATION: The MQ-9 Reaper Flight Training Unit is housed in Building 641. The facility was sized to train 40 crews in this formal school house and weapons system qualification environment. Due to increasing operational demand on the RPA community as well as performing under an extended surge posture, the throughput of trained crews is not sufficient to meet operational demands. A doubling of crews to producing a minimum of 80 crews annually is required to accommodate both operational needs and personnel requirements. The facility was not designed to house the instructors, staff, and equipment, namely ground control stations, and simulator stations, required to handle a doubling of student crew numbers. Training classrooms, briefing areas, and				

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3. INSTALLATION AND LOCATION HANCOCK FIELD, NEW YORK										
5. PROJECT TITLE ADD TO FLIGHT TRAINING UNIT, BUILDING 641	7. PROJECT NUMBER HAAW169006									
<p>student and instructor spaces are already full and require expansion in order to accommodate the new throughput volume and posture. Scheduling and training on double shifts has already been employed, and that action alone will not sufficiently increase throughput without a corresponding increase in physical infrastructure and capacity.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The FTU will continue to operate in undersized and over crowded facilities. Requisite training will not be accomplished resulting in longer qualification times for student crews. Expanded and increased student throughput cannot accommodate levied training requirements and crews would not be adequately or fully trained to conduct mission operations jeopardizing sensitive and high-impact mission accomplishment. The entire RPA enterprise is dependent upon production of trained crews, and not enough crews are being trained at present in order to sustain continuing and increasing levels of operation. That situation would be greatly exacerbated if increased training capacity afforded by this project were not realized.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air National Guard Handbook 32-1084, "Facility Requirements" and is in compliance with the installation development plan. Project will incorporate 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 (EPA05), 10 USC 2802, Executive Order 13423, 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. Preliminary analysis indicated that new construction is the most economic solution. Facility number is 00641 and the RPUID is 435214.</p> <table border="0" data-bbox="235 1276 1412 1344"> <thead> <tr> <th>CatCode</th> <th>Requirement</th> <th>Adequate</th> <th>Substandard</th> </tr> </thead> <tbody> <tr> <td>171-212 FLGHT SIMULATOR TRAINING</td> <td>2,305 SM</td> <td>1,450 SM</td> <td>0 SM</td> </tr> </tbody> </table> <p>CONSTRUCT FACILITY ADDITION 855 SM = 9,200 SF</p>			CatCode	Requirement	Adequate	Substandard	171-212 FLGHT SIMULATOR TRAINING	2,305 SM	1,450 SM	0 SM
CatCode	Requirement	Adequate	Substandard							
171-212 FLGHT SIMULATOR TRAINING	2,305 SM	1,450 SM	0 SM							

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<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>SEP 2016</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>No</td> </tr> <tr> <td>(c) Percent Complete as of Jan 2017</td> <td>25%</td> </tr> <tr> <td>* (d) Date 35% Designed</td> <td>APR 2017</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>SEP 2017</td> </tr> <tr> <td>(f) Type of Design Contract</td> <td>IDIQ</td> </tr> <tr> <td>(g) Energy Study/Life-Cycle analysis was/will be performed</td> <td>YES</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>No</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>270</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>108</td> </tr> <tr> <td>(c) Total</td> <td>378</td> </tr> <tr> <td>(d) Contract</td> <td>378</td> </tr> <tr> <td>(e) In-House</td> <td></td> </tr> </table> <p>(4) Contract Award (Month/Year) FEB 2018</p> <p>(5) Construction Start MAR 2018</p> <p>(6) Construction Completion JUN 2019</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> <p>POINT OF CONTACT: NGB/A4AD (240) 612-8767</p>			(a) Date Design Started	SEP 2016	(b) Parametric Cost Estimates used to develop costs	No	(c) Percent Complete as of Jan 2017	25%	* (d) Date 35% Designed	APR 2017	(e) Date Design Complete	SEP 2017	(f) Type of Design Contract	IDIQ	(g) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard or Definitive Design -	No	(b) Where Design Was Most Recently Used -		(a) Production of Plans and Specifications	270	(b) All Other Design Costs	108	(c) Total	378	(d) Contract	378	(e) In-House	
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3. INSTALLATION AND LOCATION TOLEDO EXPRESS AIRPORT, OHIO		4. AREA CONSTR COST INDEX .97																		
5. FREQUENCY AND TYPE OF UTILIZATION Two unit training assemblies per year 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 Center; One Navy Operations Support Center																				
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<u>CATEGORY</u> <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u> <u>\$(000)</u>	<u>DESIGN STATUS</u>																
				<u>START</u>	<u>COMPLETE</u>															
141-183	NORTHCOM - Construct Alert Hangar	2,717 SM (29,250 SF)	15,000	Nov 15	Jan 18															
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: Unilateral Construction Approved <div style="text-align: right;"><u>18 Dec 15</u> (Date)</div>																				
9. LAND ACQUISITION REQUIRED <div style="text-align: right;"><u>None</u> (Number of Acres)</div>																				
10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>CATEGORY</u> <u>CODE</u></th> <th style="text-align: left;"><u>PROJECT TITLE</u></th> <th style="text-align: left;"><u>SCOPE</u></th> <th style="text-align: left;"><u>COST</u> <u>\$(000)</u></th> </tr> </thead> <tbody> <tr> <td></td> <td colspan="3">R&M Unfunded Requirement: \$13,000,000</td> </tr> </tbody> </table>			<u>CATEGORY</u> <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u> <u>\$(000)</u>		R&M Unfunded Requirement: \$13,000,000												
<u>CATEGORY</u> <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u> <u>\$(000)</u>																	
	R&M Unfunded Requirement: \$13,000,000																			

1. COMPONENT ANG	FY 2018 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE May 2017		
3. INSTALLATION AND LOCATION TOLEDO EXPRESS AIRPORT, OHIO							
11. PERSONNEL STRENGTH AS OF 31 Mar 16							
		PERMANENT			GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	393	36	355	2	1,002	96	906
ACTUAL	385	35	348	2	1,029	98	931
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>		<u>STRENGTH</u>		<u>ACTUAL</u>		
112 Fighter Squadron	33				36		
180 Aircraft Maintenance Squadron	207				210		
180 Civil Engineering Squadron	49				54		
180 Communication Flight	32				37		
180 Comptroller Flight	12				13		
180 Force Support Squadron	51				58		
180 Fighter Wing	51				51		
180 Logistics Readiness Squadron	78				95		
180 Medical Group	40				53		
180 Maintenance Operations Flight	24				19		
180 Mission Support Group	8				8		
180 Maintenance Group	20				18		
180 Maintenance Squadron	260				249		
180 Operations Group	5				5		
180 Operations Support Flight	38				45		
180 Security Forces Squadron	74				78		
180 Student Flight	20				0		
555 Air Force Band	0				0		
	TOTALS				1,002		1,029
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ACTUAL</u>			
Vehicles		118		131			
F-16 C/D Aircraft		18		21			
Support Equipment		195		192			
Vehicle Equivalents		319		286			

1. COMPONENT ANG	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE May 2017
3. INSTALLATION AND LOCATION TOLEDO EXPRESS AIRPORT, OHIO			4. PROJECT TITLE NORTHCOM-CONSTRUCT ALERT HANGAR	
5. PROGRAM ELEMENT 51216F	6. CATEGORY CODE 141-183	7. PROJECT NUMBER WYTD079031	8. PROJECT COST(\$000) \$15,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
NORTHCOM-CONSTRUCT ALERT COMPLEX	SM	2,717		8,904
AIRCRAFT ALERT SHELTERS (141183)	SM	2,717	2,928	(7,955)
PARKING RAMP PAVEMENT (113321)	SM	5,017	189	(948)
SUPPORTING FACILITIES				4,457
CONCRETE PAVEMENT DEMOLITION	SM	5,017	81	(406)
SHELTER DEMOLITION	EA	4	26,050	(104)
EMERGENCY BACKUP POWER	LS			(105)
SITE IMPROVEMENTS	LS			(365)
FIRE SUPPRESSION	LS			(2,604)
INCURSION DETECTION SYSTEM SUPPORT	LS			(105)
SECURITY LIGHTING	LS			(115)
COMMUNICATIONS SUPPORT	LS			(155)
UTILITY SUPPORT	LS			(497)
SUSTAINABILITY AND ENERGY MEASURES	LS			203
SUBTOTAL				13,564
CONTINGENCY (5%)				678
TOTAL CONTRACT COST				14,242
SUPERVISION, INSPECTION AND OVERHEAD (6%)				854
TOTAL REQUEST				15,096
TOTAL REQUEST (ROUNDED)				15,000
10. Description of Proposed Construction: Construct two aircraft shelters 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: Each shelter houses two aircraft with automatic opening front and rear aircraft doors; install heating, fire detection and high expansion foam/closed head wet-pipe sprinkler fire suppression systems. Provide support for intrusion detection system. Extend utility infrastructure to the site, and provide backup emergency generator. Demolish existing pavement to make room for new construction, repair concrete pavement to support new hangar construction and the required parking area for two spare aircraft.				
11. REQUIREMENT: 2,717 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM PROJECT: Construct Air Control Alert (ACA) Fighter Aircraft Alert Hangars (Current Mission) REQUIREMENT: The 180th Fighter Wing requires properly sited, sized, and configured ACA Fighter Aircraft Alert Hangars for sheltering, parking, servicing, loading and unloading six aircraft (four primary response and two back-up) on alert status that must respond within prescribed time limits for the Air Sovereignty Alert mission. The alert hangars, apron, and taxiway must be part of an alert complex that has direct runway access, is sited to comply with explosive quantity distance (QD) requirements, airfield restrictive distances and surfaces, and pertinent fire codes. Aircraft shelters must have fire suppression. Demolish existing airfield pavements under the footprint of planned facilities and as required for utility support (6,000 SY).				

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3. INSTALLATION AND LOCATION TOLEDO EXPRESS AIRPORT, OHIO														
5. PROJECT TITLE NORTHCOM-CONSTRUCT ALERT HANGAR	7. PROJECT NUMBER WYTD079031													
<p><u>CURRENT SITUATION</u>: The 180th Fighter Wing has been tasked with an alert mission in support of the NORAD Aerospace Control and NORTHCOM homeland defense mission that began in Fiscal Year 2009. The unit is currently sheltering alert aircraft in interim fabric covered tensioned steel framed aircraft hangars to support the mission until permanent facilities can be constructed. Existing hangars are not energy efficient, were constructed on the existing parking ramp blocking aircraft parking areas for the training mission, and do not have any form of fire suppression for munitions loaded aircraft. Existing base fire suppression system is insufficient and must be upgraded to meet the requirement of these proposed facilities. The current shelters have little ventilation and may not be properly protected and ventilated for F-22 and F-35 aircraft. The existing shelters do not have permanent catwalks to manually open and maintain the hangar doors. The existing emergency power generator for the hangars is natural gas.</p> <p><u>IMPACT IF NOT PROVIDED</u>: Aircraft could operate under non-optimal alert response conditions which will negatively impact the ability to launch on time. The base will continue to institute interim administrative procedures for alert mission response, aircraft maintenance operations, logistical support, fire detection, and civil engineering capabilities as a workaround until a permanent alert complex with site improvements is provided. Aircraft uploaded with munitions will continue to occupy shelters and that do not have fire protection systems. Aircraft that are not on alert status are forced to taxi in front of the munitions loaded aircraft on alert, and taxi through the security zone.</p> <p><u>ADDITIONAL</u>: 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. 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. 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. An economic analysis is being prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Preliminary assessment has indicated new construction is the bset alternative. Sustainable principles, to include Life Cycle cost effective practices, will be integrated into the design, development and construction of the project in accordance with Executive Order 13423, 10 USC 2802© and other applicable laws and Executive Orders.</p> <table border="0" data-bbox="235 1470 1412 1585"> <thead> <tr> <th>CatCode</th> <th>Requirement</th> <th>Adequate</th> <th>Substandard</th> </tr> </thead> <tbody> <tr> <td>141-183 ALERT HANGAR</td> <td>2,717 SM</td> <td>0 SM</td> <td>0 SM</td> </tr> <tr> <td>113-321 APRON</td> <td>5,017 SM</td> <td>0 SM</td> <td>0 SM</td> </tr> </tbody> </table> <p>AIRCRAFT ALERT SHELTERS (141183) 2,717 SM = 29,250 SF</p>			CatCode	Requirement	Adequate	Substandard	141-183 ALERT HANGAR	2,717 SM	0 SM	0 SM	113-321 APRON	5,017 SM	0 SM	0 SM
CatCode	Requirement	Adequate	Substandard											
141-183 ALERT HANGAR	2,717 SM	0 SM	0 SM											
113-321 APRON	5,017 SM	0 SM	0 SM											

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3. INSTALLATION AND LOCATION TOLEDO EXPRESS AIRPORT, OHIO																														
5. PROJECT TITLE NORTHCOM - CONSTRUCT ALERT HANGAR		7. PROJECT NUMBER WYTD079031																												
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>NOV 2015</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>No</td> </tr> <tr> <td>(c) Percent Complete as of Jan 17</td> <td>35%</td> </tr> <tr> <td>* (d) Date 35% Designed</td> <td>JUL 2016</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>JAN 2018</td> </tr> <tr> <td>(f) Type of Design Contract</td> <td>IDIQ</td> </tr> <tr> <td>(g) Energy Study/Life-Cycle analysis was/will be performed</td> <td>YES</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>No</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>752</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>376</td> </tr> <tr> <td>(c) Total</td> <td>1,128</td> </tr> <tr> <td>(d) Contract</td> <td>1,128</td> </tr> <tr> <td>(e) In-House</td> <td></td> </tr> </table> <p>(4) Contract Award (Month/Year) SEP 2018</p> <p>(5) Construction Start OCT 2018</p> <p>(6) Construction Completion DEC 2019</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> <p>POINT OF CONTACT: NGB/A4AD (240) 612-8712</p>			(a) Date Design Started	NOV 2015	(b) Parametric Cost Estimates used to develop costs	No	(c) Percent Complete as of Jan 17	35%	* (d) Date 35% Designed	JUL 2016	(e) Date Design Complete	JAN 2018	(f) Type of Design Contract	IDIQ	(g) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard or Definitive Design -	No	(b) Where Design Was Most Recently Used -		(a) Production of Plans and Specifications	752	(b) All Other Design Costs	376	(c) Total	1,128	(d) Contract	1,128	(e) In-House	
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3. INSTALLATION AND LOCATION KLAMATH FALLS INTERNATIONAL AIRPORT, OREGON		4. AREA CONSTR COST INDEX 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 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CATEGORY CODE</th> <th style="text-align: left;">PROJECT TITLE</th> <th style="text-align: left;">SCOPE</th> <th style="text-align: left;">COST \$(000)</th> <th style="text-align: left;"><u>DESIGN STATUS</u> START</th> <th style="text-align: left;">COMPLETE</th> </tr> </thead> <tbody> <tr> <td>211-159</td> <td>Construct Corrosion Control Hangar</td> <td>1,496 SM (16,100 SF)</td> <td>10,500</td> <td>Oct 16</td> <td>Jun 17</td> </tr> <tr> <td>179-475</td> <td>Construct Indoor Range</td> <td>1,143 SM (12,300 SF)</td> <td>8,000</td> <td>Jan 17</td> <td>Dec 17</td> </tr> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	<u>DESIGN STATUS</u> START	COMPLETE	211-159	Construct Corrosion Control Hangar	1,496 SM (16,100 SF)	10,500	Oct 16	Jun 17	179-475	Construct Indoor Range	1,143 SM (12,300 SF)	8,000	Jan 17	Dec 17
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8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: Unilateral Construction Approved <div style="text-align: right;">14 Jan 16 (Date)</div>																				
9. LAND ACQUISITION REQUIRED <div style="text-align: right;">None (Number of Acres)</div>																				
10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CATEGORY CODE</th> <th style="text-align: left;">PROJECT TITLE</th> <th style="text-align: left;">SCOPE</th> <th style="text-align: left;">COST \$(000)</th> </tr> </thead> <tbody> <tr> <td>131-111</td> <td>Construction Communications Addition B210</td> <td>422 SM (4,542 SF)</td> <td>2,600</td> </tr> <tr> <td>116-661</td> <td>MCCA Repair North Arm Disarm Pad</td> <td>669 SM (7,200 SY)</td> <td>2,000</td> </tr> <tr> <td colspan="4" style="text-align: center;">R&M Unfunded Requirement: \$45,380,000</td> </tr> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	131-111	Construction Communications Addition B210	422 SM (4,542 SF)	2,600	116-661	MCCA Repair North Arm Disarm Pad	669 SM (7,200 SY)	2,000	R&M Unfunded Requirement: \$45,380,000					
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3. INSTALLATION AND LOCATION KLAMATH FALLS INTERNATIONAL AIRPORT, OREGON		
11. PERSONNEL STRENGTH AS OF 09 Feb 16		
	PERMANENT	GUARD/RESERVE
	<u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u> <u>CIVILIAN</u>	<u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u>
AUTHORIZED	1,182 93 823 266	916 93 823
ACTUAL	1,113 87 785 241	872 87 785
12. RESERVE UNIT DATA		
<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>	
	<u>AUTHORIZED</u>	<u>ACTUAL</u>
114 Fighter Squadron	23	16
173 Aircraft Maintenance Squadron	137	139
173 Civil Engineering Squadron	9	9
173 Communication Flight	30	36
173 Comptroller Flight	13	14
173 Fighter Wing	47	47
173 Logistics Readiness Squadron	77	84
173 Medical Group	41	47
173 Maintenance Operations Flight	22	20
173 Mission Support Flight	18	25
173 Mission Support Group	8	6
173 Maintenance Group	20	12
173 Maintenance Squadron	230	216
173 Operations Group	7	10
173 Operations Support Squadron	48	47
173 Security Forces Squadron	74	67
173 Student Flight	22	0
270 Air Traffic Control Squadron	90	79
173 Comptroller Flight	13	13
173 M/FSF	18	24
TOTALS	947	911
13. MAJOR EQUIPMENT AND AIRCRAFT		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>
Vehicles	152	138
F-15 Aircraft	26	32
Support Equipment	185	175
Vehicle Equivalentents	418	418

1. COMPONENT ANG	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE May 2017
3. INSTALLATION AND LOCATION KLAMATH FALLS INTERNATIONAL AIRPORT, OREGON			4. PROJECT TITLE CONSTRUCT CORROSION CONTROL HANGAR	
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 211-159	7. PROJECT NUMBER KJAQ119006	8. PROJECT COST(\$000) \$10,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CONSTRUCT CORROSION CONTROL HANGAR	SM	1,496		5,475
CORROSION CONTROL HANGAR & SHOPS (211159)	SM	1,124	3,767	(4,234)
NON-DESTRUCTIVE INSPECTION SHOP (211153)	SM	372	3,337	(1,241)
SUPPORTING FACILITIES				3,765
TAXIWAY ACCESS (PAVEMENTS)	LS			(1,150)
UTILITIES	LS			(295)
SITE IMPROVEMENTS	LS			(350)
SEISMIC CONSIDERATIONS	LS			(540)
COMMUNICATION SUPPORT	LS			(220)
EXTERIOR ELECTRICITY/RAMP LIGHTING	LS			(110)
HEF FIRE SUPPRESSION	LS			(1,100)
SUSTAINABILITY AND ENERGY MEASURES	LS			194
SUBTOTAL				9,434
CONTINGENCY (5%)				<u>472</u>
TOTAL CONTRACT COST				9,906
SUPERVISION, INSPECTION AND OVERHEAD (6%)				<u>594</u>
TOTAL REQUEST				10,500
10. Description of Proposed Construction: Construct an aircraft corrosion control hangar 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 all necessary exterior utilities, site improvements, access pavements, fire protection, site work, and support. Construct for seismic in Northwest Region. Air Conditioning: 88 KW.				
11. REQUIREMENT: 1,496 SM ADEQUATE: 0 SM SUBSTANDARD: 1,496 SM PROJECT: Aircraft Corrosion Control Hangar (Current Mission) REQUIREMENT: Kingsley Field Air National Guard Base located on the Klamath Falls, OR Airport requires an adequately sized, properly configured, and environmentally safe facility for the performance of corrosion control on aircraft parts both on- and off- the aircraft and non-destructive inspection testing in support of 26 PAA F-15 aircraft. Functional areas include corrosion control hangar bay, support shop space, non-destructive inspection (NDI) shop, paint spray area for painting large and small parts, training and administration areas. Apron access to the hangar bay is necessary. Environmentally safe exhaust/control systems to prevent air pollution and an oil/water separator to prevent corrosion contaminants or fuel spills from entering the soil/aquifer or waste water system will be required. The 173 FW is the only Air Force F-15 Formal Training Unit base and also an Operation NOBLE EAGLE capable wing. CURRENT SITUATION: Washing and NDI x-ray functions are being performed in an outdated former alert shelter. Air exhaust and filtering during corrosion control operations do not meet				

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<p>environmental standards. This has caused a backlog of work and reduced mission effectiveness due to long lead times. As an alternate method, corrosion control operations are performed in the fuel cell hangar and have to be coordinated with ongoing fuel cell operations. The fuel cell hangar can only hold one F-15 at a time. Mission effectiveness has again been reduced due to long lead times. NDI x-rays are performed in a geographically separate facility far removed from the lab and testing equipment, thereby reducing mission effectiveness. With 8 additional F-15s, corrosion control has become the most significant bottle neck and impacts syllabus flight training for the only F-15C Flight Training Unit in the entire Air Force. The lack of safe Corrosion Control facilities has made this a RAC II Safety issue for the training wing.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Rapid devaluation of each \$25M aircraft occurs due to deferred maintenance. Risk to military mission success is more likely, and greater risk to pilots and flying safety occurs when these maintenance tasks are deferred or not accomplished. Student pilot training backlog of syllabus requirements will grow due to a lack of mission capable aircraft. Lack of adequate facilities combined with an aging fleet, creates risks from high tempo of operations currently being placed on the 173rd to accomplish mission requirements.</p> <p><u>ADDITIONAL:</u> 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 is an "inhabited" building and meet 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. 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.</p> <table border="0" data-bbox="235 1407 1412 1512"> <thead> <tr> <th>CatCode</th> <th>Requirement</th> <th>Adequate</th> <th>Substandard</th> </tr> </thead> <tbody> <tr> <td>211-159 AIRCRAFT CORROSION CONTROL</td> <td>1,124 SM</td> <td>0 SM</td> <td>1,124 SM</td> </tr> <tr> <td>211-153 NDI</td> <td>372 SM</td> <td>0 SM</td> <td>372 SM</td> </tr> </tbody> </table> <p>CORROSION CONTROL HANGAR & SHOPS (211159)1,124 SM = 12,100 SF NON-DESTRUCTIVE INSPECTION SHOP (211153)372 SM = 4,000 SF</p>			CatCode	Requirement	Adequate	Substandard	211-159 AIRCRAFT CORROSION CONTROL	1,124 SM	0 SM	1,124 SM	211-153 NDI	372 SM	0 SM	372 SM
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3. INSTALLATION AND LOCATION KLAMATH FALLS INTERNATIONAL AIRPORT, OREGON			4. PROJECT TITLE CONSTRUCT INDOOR RANGE	
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 179-475	7. PROJECT NUMBER KJAQ159096	8. PROJECT COST(\$000) \$8,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CONSTRUCT INDOOR RANGE	SM	1,142		6,018
SMALL ARMS RANGE (179-475)	SM	975	5,490	(5,353)
COMBAT ARMS TRNG & MAINT (171-476)	SM	167	3,983	(665)
SUPPORTING FACILITIES				1,000
UTILITIES AND COMMUNICATIONS SUPPORT	LS			(500)
SITE IMPROVEMENTS	LS			(250)
PAVEMENTS	LS			(250)
SUSTAINABILITY AND ENERGY MEASURES	LS			150
SUBTOTAL				7,168
CONTINGENCY (5%)				358
TOTAL CONTRACT COST				7,526
SUPERVISION, INSPECTION AND OVERHEAD (6%)				451
TOTAL REQUEST				7,977
TOTAL REQUEST (ROUNDED)				8,000
10. Description of Proposed Construction: Construct a small arms indoor range and CATM training & maintenance 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. Special construction requirements: Use modular small arms range construction to the maximum extent possible. all necessary exterior utilities, access pavements, fire protection, site work, and support. Provide utility connections for modular small arms range equipment components. Provide doors to ensure ease of access to modular small arms range equipment to facilitate maintenance. Air Conditioning: 105 KW.				
11. REQUIREMENT: 1,143 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM PROJECT: Small Arms Range/CATM Training (Current Mission) REQUIREMENT: The installation requires an adequately sized, properly configured, and correctly sited small arms range to train and certify security forces, battlefield airmen, and mobility personnel in accordance with AFI 36-2226. The facility will house a MCSATS (Modular Containerized Small Arms Training Set) for a total of 12 to 14 firing lanes. A combat arms training and maintenance (CATM) facility, to provide classroom training space, administrative space, and arms cleaning and inspection areas for members using the small arms range. The ANG has both members that are required to perform armed duties in-garrison and others only in contingency operations on both pistol and rifle in accordance with AFI 36-2226, Table 2-1. CURRENT SITUATION: The installation does not have an organic small arms range capability. Drill status members cannot be qualified on base during their 2-days-per-month drill attendance. Work-arounds include traveling off-site at considerable expense per qualification. Given the new course of fire includes a full 8-hour firing day, plus pre-firing classroom familiarization training, combat arms training can occupy the majority of a drill weekend, leaving no time for other functional or ancillary training. On base training is considered the preferred course of action because it minimizes impacts to				

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<p>drill time. The ANG's 89 wings each have Airmen who need to qualify on rifle or pistol. However, most ANG bases have too little real estate to support enclosed outdoor firing ranges due to the sizable surface danger zone behind the target line; units seek indoor ranges to minimize the range footprint, maximize training efficiency for drill status Airmen and CATM instructors, and allow required Security Forces "night" firing by using low light levels inside the indoor range. In an NGB/A4S study which considered the cost of travel and lost time, this site had the third highest cost-per-qualification in the ANG, at more than \$1000 per student qualified.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Installation personnel will continue to travel considerable distances to qualify on weapons, negatively affecting all wing readiness and severely degrading their wartime mission. The installation will have to continue to travel over 5 hours round trip, plus 4 hours of training forces the unit to stay over night near the range, costing \$XXXK annually. Safety, security, and physical protection of Wing personnel is hampered, endangering both life and property. Additionally, installation security forces will not have adequate training and qualifications which reduces overall base security and also endangers both life and property. Accept risk to the deployment mission and the protection of valuable mobility aircraft on site due to inadequate training.</p> <p><u>ADDITIONAL:</u> The ANG currently has 28 installations with a small-arms indoor range. An additional 24 ANG installations are units hosted on an installation with an operational small arms range, leaving 46 installations which lack organic range capability. This project will construct a facility to enclose the modular small arms range equipment plus provide classroom and weapons maintenance/administrative space. The modular small arms range will be procured as equipment from another appropriation and installed inside the facility. The modular range can be disassembled and transported to another location if necessary.</p> <table border="0" data-bbox="235 1239 1412 1344"> <thead> <tr> <th>CatCode</th> <th>Requirement</th> <th>Adequate</th> <th>Substandard</th> </tr> </thead> <tbody> <tr> <td>179-475 SMALL ARMS RANGE SYSTEM</td> <td>975 SM</td> <td>0 SM</td> <td>0 SM</td> </tr> <tr> <td>171-476 COMBAT ARMS TRNG & MAINT (CAT</td> <td>167 SM</td> <td>0 SM</td> <td>0 SM</td> </tr> </tbody> </table> <p>SMALL ARMS RANGE (179-475) 975 SM = 10,500 SF COMBAT ARMS TRNG & MAINT (171-476) 167 SM = 1,800 SF</p>			CatCode	Requirement	Adequate	Substandard	179-475 SMALL ARMS RANGE SYSTEM	975 SM	0 SM	0 SM	171-476 COMBAT ARMS TRNG & MAINT (CAT	167 SM	0 SM	0 SM
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3. INSTALLATION AND LOCATION JOE FOSS FIELD, SIOUX FALLS		4. AREA CONSTR COST INDEX .93																		
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year along with necessary local annual field training days are utilized for required readiness training. Daily use is made of all facilities by technician/AGR force.																				
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3. INSTALLATION AND LOCATION JOE FOSS FIELD, SIOUX FALLS							
11. PERSONNEL STRENGTH AS OF 29 May 15							
		PERMANENT			GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	367	43	322	2	1,034	116	918
ACTUAL	358	42	315	1	1,027	109	918
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>		<u>STRENGTH</u>		<u>ACTUAL</u>	
	114 Aircraft Maintenance Squadron	206				187	
	114 Civil Engineering Squadron	91				86	
	114 Communication Flight	31				31	
	114 Comptroller Flight	12				13	
	114 Force Support Squadron	48				47	
	114 Fighter Wing	44				41	
	114 Logistics Readiness Squadron	76				73	
	114 Medical Group	51				50	
	114 Maintenance Operations Flight	24				20	
	114 Mission Support Group	8				7	
	114 Maintenance Group	19				19	
	114 Maintenance Squadron	229				217	
	114 Operations Group	5				4	
	114 Operations Support Flight	36				35	
	114 Security Forces Squadron	74				66	
	114 Student Flight	21				72	
	175 Fighter Squadron	32				31	
	HQ ANG	27				28	
	TOTALS	1,034				1,027	
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ACTUAL</u>			
	F-16 Aircraft	18				22	
	Support Equipment	213				208	
	Vehicle Equivalents	381				381	

1. COMPONENT ANG	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE May 2017
3. INSTALLATION AND LOCATION JOE FOSS FIELD, SOUTH DAKOTA			4. PROJECT TITLE AIRCRAFT MAINTENANCE SHOPS	
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 217-712	7. PROJECT NUMBER LUXC099042	8. PROJECT COST(\$000) \$12,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
AIRCRAFT MAINTENANCE SHOPS	SM	4,253		9,246
AIRCRAFT GENERAL PURPOSE SHOPS	SM	706	2,174	(1,535)
AIRCRAFT MAINTENANCE SHOPS	SM	836	2,174	(1,817)
AVIONICS SHOP	SM	1,180	2,174	(2,565)
ELECTRONICS COUNTERMEASURES POD SHOP	SM	853	2,174	(1,854)
WEAPONS MAINTENANCE SHOP	SM	678	2,174	(1,474)
SUPPORTING FACILITIES				1,319
UTILITIES	LS	1	262,500	(262)
PAVEMENTS	LS	1	334,688	(335)
SITE IMPROVEMENTS	LS	1	143,438	(143)
DEMOLITION	SM	3,034	151	(458)
COMMUNICATIONS SUPPORT	LS	1	120,000	(120)
SUSTAINABILITY AND ENERGY MEASURES	LS	1	184,688	185
SUBTOTAL				10,750
CONTINGENCY (5%)				538
TOTAL CONTRACT COST				11,288
SUPERVISION, INSPECTION AND OVERHEAD (6%)				677
TOTAL REQUEST				11,965
TOTAL REQUEST (ROUNDED)				12,000
10. Description of Proposed Construction: Construct an Aircraft Maintenance Facility to replace multiple existing maintenance structures 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: Provide utilities, pavements, parking area, communications support, and site improvements. Demolish three buildings (32,661 SF). Air Conditioning: 263 KW.				
11. REQUIREMENT: 4,253 SM ADEQUATE: 0 SM SUBSTANDARD: 3,393 SM PROJECT: Aircraft Maintenance Shops (Current Mission) REQUIREMENT: The base requires correctly sized and properly configured aircraft maintenance facilities to support repair and maintenance of 18 PAA F-16 aircraft. Functions required include maintenance shops, avionics and electronic coutermeasures (ECM) shops, weapons system maintenance management, training areas, administrative areas, storage space, and equipment parking. CURRENT SITUATION: Aircraft maintenance functions presently occupy four separate, mostly substandard facilities. Much of the space designated for these functions is less than required for effective operations. For example, the Avionics shop is 50% short on its required space and the ECM Pod Shop and Storage facility is 40% undersized. The Aircraft General Purpose shops are 11% short of their required space but are split among multiple facilites that are in very poor condition and inefficiently use space. As a workaround, valuable aircraft hangar space is lost while being used for tool storage. The shops are poorly located in relation to associated functional areas for proper aircraft				

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<p>maintenance. For example, the Electro/Environmental Shop should be located with other aircraft general purpose shops. The existing ECM pod storage facility is inadequate, does not have the proper infrastructure, and is rapidly deteriorating.</p> <p>IMPACT IF NOT PROVIDED: Avionics, aircraft and electronic countermeasures maintenance activities will continue in inefficient, degraded facilities. Increased aircraft maintenance repair time will result due to dispersed layout of related functions resulting in longer repair times, and subsequent reduction in mission capable rates. Existing facilities have a high number of maintenance and emergency work orders especially in electrical, plumbing, and structural areas. Current conditions will worsen as facilities age resulting in increased repair and daily operating costs due to energy inefficiency caused by inadequate insulation and old HVAC and lighting systems.</p> <p>ADDITIONAL: Completion of this project will allow for the demolition of Building 20 (5,465 SF), Building 25 (6,000 SF) and Building 13 (21,196 SF) because they are in the footprint of construction. Force protection requirements have been addressed. This facility is a “primary gathering” building and meets the standoff distance requirements. There is no threat and the level of protection is low so minimum construction standards have been applied. The project meets the criteria/scope specified in Air National Guard Handbook 32-1084, “Facility Requirements” and is in compliance with the base installation development plan. Sustainable principles, to include Life Cycle cost effective practices, will be integrated into the design, development and construction of the project in accordance with Executive Order 13693, 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. Facility number for the new building is 17 and the RPUID is 1276675.</p> <table border="0" data-bbox="235 1276 1412 1480"> <thead> <tr> <th>CatCode</th> <th>Requirement</th> <th>Adequate</th> <th>Substandard</th> </tr> </thead> <tbody> <tr> <td>217-712 AVIONICS SHOP</td> <td>1,180 SM</td> <td>0 SM</td> <td>584 SM</td> </tr> <tr> <td>217-713 ECM POD SHOP & STORAGE</td> <td>853 SM</td> <td>0 SM</td> <td>508 SM</td> </tr> <tr> <td>211-154 AIRCRAFT ORG MAINT (AMU) SHOP</td> <td>836 SM</td> <td>0 SM</td> <td>668 SM</td> </tr> <tr> <td>211-152 AIRCRAFT GENERAL PURPOSE (GP) SH</td> <td>706 SM</td> <td>0 SM</td> <td>706 SM</td> </tr> <tr> <td>610-129 WEAPON SYS MAINT MGMT (WSMM)</td> <td>678 SM</td> <td>0 SM</td> <td>927 SM</td> </tr> </tbody> </table> <table border="0" data-bbox="235 1549 1112 1747"> <tbody> <tr> <td>AIRCRAFT GENERAL PURPOSE SHOPS</td> <td>706 SM = 7,600 SF</td> </tr> <tr> <td>AIRCRAFT MAINTENANCE SHOPS</td> <td>836 SM = 9,000 SF</td> </tr> <tr> <td>AVIONICS SHOP</td> <td>1,180 SM = 12,700 SF</td> </tr> <tr> <td>ELECTRONICS COUNTERMEASURES POD SHOP</td> <td>853 SM = 9,180 SF</td> </tr> <tr> <td>WEAPONS MAINTENANCE SHOP</td> <td>678 SM = 7,300 SF</td> </tr> <tr> <td>DEMOLITION</td> <td>3,034 SM = 32,661 SF</td> </tr> </tbody> </table>			CatCode	Requirement	Adequate	Substandard	217-712 AVIONICS SHOP	1,180 SM	0 SM	584 SM	217-713 ECM POD SHOP & STORAGE	853 SM	0 SM	508 SM	211-154 AIRCRAFT ORG MAINT (AMU) SHOP	836 SM	0 SM	668 SM	211-152 AIRCRAFT GENERAL PURPOSE (GP) SH	706 SM	0 SM	706 SM	610-129 WEAPON SYS MAINT MGMT (WSMM)	678 SM	0 SM	927 SM	AIRCRAFT GENERAL PURPOSE SHOPS	706 SM = 7,600 SF	AIRCRAFT MAINTENANCE SHOPS	836 SM = 9,000 SF	AVIONICS SHOP	1,180 SM = 12,700 SF	ELECTRONICS COUNTERMEASURES POD SHOP	853 SM = 9,180 SF	WEAPONS MAINTENANCE SHOP	678 SM = 7,300 SF	DEMOLITION	3,034 SM = 32,661 SF
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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.																							
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11. PERSONNEL STRENGTH AS OF 12 May 15		
	PERMANENT	GUARD/RESERVE
	<u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u> <u>CIVILIAN</u>	<u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u>
AUTHORIZED	609 55 387 167	1,101 145 956
ACTUAL	586 58 383 145	1,223 177 1,046
12. RESERVE UNIT DATA		
<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>	
	<u>AUTHORIZED</u>	<u>ACTUAL</u>
119 Combat Communications Squadron	137	153
134 Aircraft Maintenance Squadron	67	66
134 Air Refueling Wing	49	53
134 Civil Engineering Squadron	99	116
134 Communication Flight	35	45
134 Comptroller Flight	12	13
134 Force Support Squadron	58	63
134 Logistics Readiness Squadron	100	113
134 Medical Group	47	81
134 Maintenance Operations Flight	21	26
134 Mission Support Group	8	7
134 Maintenance Group	14	12
134 Maintenance Squadron	165	206
134 Operations Group	7	8
134 Operations Support Flight	46	50
134 Security Forces Squadron	112	104
134 STU	22	1
151 Air Refueling Squadron	62	65
228 Combat Communications Squadron	0	0
572 Air Force Band	<u>40</u>	<u>41</u>
TOTALS	1,101	1,223
13. MAJOR EQUIPMENT AND AIRCRAFT		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>
Vehicle Equivalents	400	400
KC-135R Aircraft	10	10
Support Equipment	323	262
Vehicle	147	147

1. COMPONENT ANG	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE May 2017
3. INSTALLATION AND LOCATION MCGHEE TYSON AIRPORT, TENNESSEE			4. PROJECT TITLE REPLACE KC-135 MAINTENANCE HANGAR AND SHOPS	
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 211-111	7. PROJECT NUMBER PSXE999132	8. PROJECT COST(\$000) \$25,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
AIRCRAFT HANGAR AND SHOPS	SM	5,332		17,669
MAINTENANCE HANGAR AREA (211-111)	SM	2,601	3,014	(7,839)
GENERAL PURPOSE SHOP AREA (211-152)	SM	1,802	3,014	(5,431)
CORROSION CONTROL AREA (211-159)	SM	427	3,014	(1,287)
AVIONICS SHOP AREA (217-712)	SM	502	3,014	(1,513)
CONSTRUCT APRON ACCESS (113-321)	SM	6,689	239	(1,599)
SUPPORTING FACILITIES				3,800
UTILITIES	LS			(550)
PAVEMENTS	LS			(600)
DEMOLITION/ASBESTOS REMOVAL	SM	3,526	118	(416)
COMMUNICATION SUPPORT	LS			(200)
FIRE WATER SERVICE AND PUMP CAPACITY	LS			(750)
FIRE SUPPRESSION SYSTEM SUPPORT	SM	5,333	161	(859)
SITE IMPROVEMENTS	LS			(425)
SUSTAINABILITY AND ENERGY MEASURES	LS			850
SUBTOTAL				22,319
CONTINGENCY (5%)				1,116
TOTAL CONTRACT COST				23,435
SUPERVISION, INSPECTION AND OVERHEAD (6%)				1,406
TOTAL REQUEST				24,841
TOTAL REQUEST (ROUNDED)				25,000
10. Description of Proposed Construction: Construct a maintenance hangar/corrosion control 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. Buildings 110 and 111 will be demolished as part of this project. Air Conditioning: 630 KW.				
11. REQUIREMENT: 4,831 SM ADEQUATE: 0 SM SUBSTANDARD: 3,047 SM <u>PROJECT:</u> Replace KC-135 Maintenance Hangar and Shops (Current Mission) <u>REQUIREMENT:</u> The base requires a properly sited, sized and configured aircraft maintenance hangar and shops to support the training and operational mission of the 12 KC-135R aircraft. Functional areas include hangar bay and general and specialized shops. <u>CURRENT SITUATION:</u> The hangar and the shops are 1952 vintage and cannot be upgraded to meet the mission. The heating distribution system has exceeded its economic life, the AFFF system is in need of upgrades, the fire detection system is a patchwork of systems and the electrical and plumbing systems are failing at an increasing rate. The fire suppression system does not meet NFPA requirements and has been assigned a Risk Assessment Code 2 in Building 111 Fuel Cell Hangar and Building 113 Phase Dock. There is no HVAC system, the building is not energy efficient, and the communications system does not meet the mission requirements. The roof has leaked and continues to leak. There are numerous health and safety code violations. A structural analysis indicates the steel				

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<p>structure is weak due to missing or failing members. The hangar structural steel cannot support the weight of the safety lines preventing the proper installation of fall protection. The asbestos thermal system insulation on interior is degraded and requires replacement. The hangar doors' operating system is antiquated and requires constant and excessive maintenance. The aircraft support areas have limited space and cannot properly be configured for efficient processing of work to meet mission requirements. The shops are poorly configured and cannot be rearranged due to structural interior design of the load bearing walls.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Highly inefficient operations and excessive maintenance cost. Split functions negatively impact span of control. Increased wear and tear on vehicles and equipment continue. Fire, health and safety code violations increase risk of personnel injury and loss of equipment and degrade ability to perform maintenance on aircraft critical to air refueling operations. The 134th ARW will continue to experience degrading operational capabilities thus seriously hampering mission effectiveness. Higher operating costs.</p> <p><u>ADDITIONAL:</u> 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. An economic analysis is being prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. 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. The following buildings will be demolished as a result of this project: 110 at 3,996 SF, 111@33,954 SF; a total of 37,950 SF. New maintenance hangar facility number is Building 190 and new RPUID is 1058902.</p> <table border="0" data-bbox="235 1312 1412 1449"> <thead> <tr> <th>CatCode</th> <th>Requirement</th> <th>Adequate</th> <th>Substandard</th> </tr> </thead> <tbody> <tr> <td>211-111 AIRCRAFT MAINTENANCE HANGER</td> <td>2,601 SM</td> <td>0 SM</td> <td>1,321 SM</td> </tr> <tr> <td>211-152 ARCRAFT GENERAL PURPOSE (GP) SH</td> <td>1,802 SM</td> <td>0 SM</td> <td>1,651 SM</td> </tr> <tr> <td>211-159 AIRCRAFT CORROSION CONTROL</td> <td>427 SM</td> <td>0 SM</td> <td>75 SM</td> </tr> </tbody> </table> <table border="0" data-bbox="207 1512 1063 1711"> <tbody> <tr> <td>CORROSION CONTROL AREA (211-159)</td> <td>427 SM = 4,600 SF</td> </tr> <tr> <td>MAINTENANCE HANGAR AREA (211-111)</td> <td>2,601 SM = 28,000 SF</td> </tr> <tr> <td>GENERAL PURPOSE SHOP AREA (211-152)</td> <td>1,802 SM = 19,400 SF</td> </tr> <tr> <td>AVIONICS SHOP AREA (217-712)</td> <td>502 SM = 5,400 SF</td> </tr> <tr> <td>DEMOLITION/ASBESTOS REMOVAL</td> <td>3,526 SM = 37,950 SF</td> </tr> <tr> <td>FIRE SUPPRESSION SYSTEM SUPPORT</td> <td>5,333 SM = 57,400 SF</td> </tr> </tbody> </table>			CatCode	Requirement	Adequate	Substandard	211-111 AIRCRAFT MAINTENANCE HANGER	2,601 SM	0 SM	1,321 SM	211-152 ARCRAFT GENERAL PURPOSE (GP) SH	1,802 SM	0 SM	1,651 SM	211-159 AIRCRAFT CORROSION CONTROL	427 SM	0 SM	75 SM	CORROSION CONTROL AREA (211-159)	427 SM = 4,600 SF	MAINTENANCE HANGAR AREA (211-111)	2,601 SM = 28,000 SF	GENERAL PURPOSE SHOP AREA (211-152)	1,802 SM = 19,400 SF	AVIONICS SHOP AREA (217-712)	502 SM = 5,400 SF	DEMOLITION/ASBESTOS REMOVAL	3,526 SM = 37,950 SF	FIRE SUPPRESSION SYSTEM SUPPORT	5,333 SM = 57,400 SF
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<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>OCT 2016</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>No</td> </tr> <tr> <td>(c) Percent Complete as of Jan 2017</td> <td>30%</td> </tr> <tr> <td>* (d) Date 35% Designed</td> <td>MAR 2017</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>SEP 2017</td> </tr> <tr> <td>(f) Type of Design Contract</td> <td>Standard</td> </tr> <tr> <td>(g) Energy Study/Life-Cycle analysis was/will be performed</td> <td>YES</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>No</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>1,680</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>840</td> </tr> <tr> <td>(c) Total</td> <td>2,520</td> </tr> <tr> <td>(d) Contract</td> <td>2,520</td> </tr> <tr> <td>(e) In-House</td> <td></td> </tr> </table> <p>(4) Contract Award (Month/Year) OCT 2017</p> <p>(5) Construction Start DEC 2017</p> <p>(6) Construction Completion DEC 2018</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> <p>POINT OF CONTACT: NGB/A4AD (240) 612-7042</p>			(a) Date Design Started	OCT 2016	(b) Parametric Cost Estimates used to develop costs	No	(c) Percent Complete as of Jan 2017	30%	* (d) Date 35% Designed	MAR 2017	(e) Date Design Complete	SEP 2017	(f) Type of Design Contract	Standard	(g) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard or Definitive Design -	No	(b) Where Design Was Most Recently Used -		(a) Production of Plans and Specifications	1,680	(b) All Other Design Costs	840	(c) Total	2,520	(d) Contract	2,520	(e) In-House	
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DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2018

APPROPRIATION: MILITARY CONSTRUCTION -- AIR NATIONAL GUARD
PROGRAM 313: PLANNING AND DESIGN \$18,000,000

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 ANG	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE May 2017	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS			4. PROJECT TITLE PLANNING AND DESIGN		
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 961-000	7. PROJECT NUMBER PAYZ180005	8. PROJECT COST(\$000) \$18,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PLANNING AND DESIGN (P-313)		LS			18,000
SUBTOTAL					18,000
TOTAL CONTRACT COST					18,000
TOTAL REQUEST					18,000
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					
<u>PROJECT:</u> Planning and Design					
<u>REQUIREMENT:</u> Planning and design funds are required for projects being consider for future year MILCON program. The FY 2018 design funds are needed to complete the design for those projects that are to be included in the FY 2018 MILCON program and to begin the design for those projects to be included in the FY 2019 program, to include the design of the FY 2018 unspecified minor construction projects.					
<u>CURRENT SITUATION:</u> The ANG requires the design money in FY 2018 to ensure the design milestones for the FY 2018 and FY 2019 MILCON projects, as mandated by Department of Defense (DOD) Instruction 1225.8, are met.					
<u>IMPACT IF NOT PROVIDED:</u> The ANG will not be able to effectively administer it's future year MILCON program. 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 2018

APPROPRIATION: MILITARY CONSTRUCTION -- AIR NATIONAL GUARD

PROGRAM 341: UNSPECIFIED MINOR CONSTRUCTION \$17,191,000

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 ANG	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE May 2017	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS			4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION		
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 962-000	7. PROJECT NUMBER PAYZ180006	8. PROJECT COST(\$000) \$17,191		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UNSPECIFIED MINOR CONSTRUCTION (P-341)		LS			17,191
SUBTOTAL					17,191
TOTAL CONTRACT COST					17,191
TOTAL REQUEST					17,191
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 <u>PROJECT</u> : Unspecified Minor Construction Program <u>REQUIREMENT</u> : This program provides the means of accomplishing projects costing over \$1,000,000, but not exceeding \$3,000,000. The requested funds are not a percent of the budget, but are based on historical trends and known requirements. These projects generally address functional space shortfalls or new mission beddowns. <u>CURRENT SITUATION</u> : Because of new weapons systems, equipment, mission, and personnel growth the Air National Guard has a number of instances where functional space shortfalls exist. Many drive new construction requirements in the \$1,000,000 to \$3,000,000 range. These functional space shortfalls cause degradation of mission accomplishment, costly work-arounds, and accelerated failure of valuable mission equipment. <u>IMPACT IF NOT PROVIDED</u> : Unable to adequately support mission conversions and beddowns. Functional space shortfalls will continue. More expensive workarounds will have to be used.					

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**DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2018**

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	Slate	Project Title	Program Element Code	Facility Category Code	Budget Amount (\$000)	Change from FY17PB	Explanation of Changes	Footprint
Guard	2019	3830	DJCF149001	Channahon ANG Station	CA	Construct C-130J Flight Simulator Facility	54332F	171-212	8,000		New mission	New
Guard	2019	3830	LDXF129044	Hulman Regional Airport	IN	Construct Small Arms Range	52276F	171-475	8,000		New - modular range	
Guard	2019	3830	RQLH059034	Naval Air Station Joint Reserve Base	LA	NORTHCOM - Replace Alert Complex	51216F	141-183	27,000			New
Guard	2019	3830	LRXQ159097	Jackson International Airport	MS	Construct Small Arms Range	52276F	179-475	8,000		New - modular range	New
Guard	2019	3830	WKVB109058	Francis S. Gabreski Airport	NY	Security Forces/Communication Training Facility	52276F	730-885	20,000		State #1 MILCON for FY18	
Guard	2019	3830	NLZG062104	Rickenbacker International Airport (ANG)	OH	Construct Small Arms Range	52276F	179-475	8,000		State # 5 MILCON for FY18	
Guard	2019	3830	XHZG79037	Tulsa International Airport	OK	Construct Small Arms Range	52276F	179-475	8,000		New - modular range	New
Guard	2019	3830	LKLW099101	Fort Indiantown Gap ANG Station	PA	Replace Operations Training/Dining Hall	52276F	171-445	8,000	400	State #1 FY18 MILCON priority	New
Guard	2019	3830	PAYZ190006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	16.44		Projects \$1,000K to \$3,000K	
Guard	2019	3830	PAYZ190005	Unspecified	VL	Planning and Design	52276F	961-000	14,000		Planning and design for 2020 and 2021	
Guard	2019	3830	AAAA189001	VARIOUS LOCATIONS	VS	Space Control Facility	53116F	141-454	8,000			New
						TOTAL MAJOR CONSTRUCTION			133,440			
Component	FY	APPN	Project Number	Installation	Slate	Project Title	Program Element Code	Facility Category Code	Budget Amount (\$000)	Change from FY17PB	Explanation of Changes	Footprint
Guard	2020	3830	CRWU139039	Buckley Air Force Base	CO	Construct Corrosion Control/Fuel Cell Hangar	52276F	211-159	12,000		State MILCON #1 for FY18	New
Guard	2020	3830	XDCU109057	Savannah/Hilton Head IAP	GA	Consolidate MX Hangar/Shops Joint Air Dominance	52276F	211-111	20,000		TAG #1 MILCON for FY18	New
Guard	2020	3830	JLON049119	General Wayne A. Downing Peoria IAP (ANG)	IL	Construct New Fire Crash/Rescue Station	52276F	130-142	9,000		State #1 FY18 MILCON priority	Existing

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

Component	FY	APPN	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount (\$000)	Change from FY17PB	Explanation of Changes	Footprint
Guard	2020	3830	AXOD049060	Barnes Municipal Airport	MA	Replace Engine, ASE and NDI Shops	52276F	211-157	10,000		State FY18 #1 MILCON.	
Guard	2020	3830	GRCL169016	Eastern Air Defense Sector (EADS) ANG	NY	NORTHCOM-Mission Training Complex	51311F	141-489	5,000			
Guard	2020	3830	PBXP929798	Mansfield Lahm Airport	OH	Replace Fire Station	52276F	130-142	12,000		State #3 MILCON for FY18	New
Guard	2020	3830	PAYZ200006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	15,000		Projects \$1,000K to \$3,000K	
Guard	2020	3830	PAYZ200005	Unspecified	VL	Planning and Design	52276F	961-000	10,980		Planning and design for 2021 and 2022	
Guard	2020	3830	AAA0209002	VARIOUS LOCATIONS	VS	F-35 Ops 5 Flight Sim	52635F	171-212	25,000		New Mission for F-35	New
Guard	2020	3830	XGFG179036	Dane County Regional-Truax Field	WI	Construct Small Arms Range	52276F	179-475	8,000		State FY18 #1 MILCON	New
						TOTAL MAJOR CONSTRUCTION			126,980			
Component	FY	APPN	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount (\$000)	Change from FY17PB	Explanation of Changes	Footprint
Guard	2021	3830	BRKR009063	Birmingham International Airport	AL	Security and Services Training Facility	52276F	730-835	7,500		State #1 FY18 MILCON priority	New
Guard	2021	3830	FAKZ049053	Montgomery Regional Airport (ANG) Base	AL	Add/Alter Fire Crash/Rescue Station	52276F	130-142	5,000			
Guard	2021	3830	WEAS029245	Louisville Intl Airport-Standiford Fid	KY	Add To And Alter Fire Crash/Rescue Station	52276F	130-142	9,000			New
Guard	2021	3830	MEMV099170	W. K. Kellogg Airport	MI	Force Protection - Upgrade Main Base Entrance	52276F	730-839	7,000		State #2 FY18 MILCON priority	New
Guard	2021	3830	TDVG029067	Alpena County Regional Airport	MI	Replace Aircraft Maintenance Hangar/Shops	52276F	211-111	20,000		State #1 FY18 MILCON priority	New
Guard	2021	3830	LRXQ109002	Jackson International Airport	MS	Fire Crash and Rescue Station	52276F	130-142	9,000		State #1 FY18 MILCON priority	
Guard	2021	3830	AGRC169009	Atlantic City International Airport	NJ	Construct Main Gate Complex	52276F	730-837	6,000		New - State #1 MILCON for FY18	New

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

Component	FY	APPN	Project Number	Installation	Slate	Project Title	Program Element Code	Facility Category Code	Budget Amount (\$000)	Change from FY17/PB	Explanation of Changes	Footprint
Guard	2021	3830	EUBC009109	Camp Perry ANG Station	OH	RED HORSE Logistics Complex	52276F	442-758	7,500		State #4 MILCON for FY18	New
Guard	2021	3830	PAYZ210006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	17,181		Projects \$1,000K to \$3,000K	
Guard	2021	3830	PAYZ210005	Unspecified	VL	Planning and Design	52276F	961-000	14,000		Planning and design for 2022 and 2023	
Guard	2021	3830	XGFG139001	Dane County Regional-Truax Field	WI	ADAL Bldg 500 for Medical Training	52276F	171-450	7,000		State #1 FY18 MILCON priority	New
						TOTAL MAJOR CONSTRUCTION			109,181			
Component	FY	APPN	Project Number	Installation	Slate	Project Title	Program Element Code	Facility Category Code	Budget Amount (\$000)	Change from FY17/PB	Explanation of Changes	Footprint
Guard	2022	3830	XHEA109012	Tucson International airport	AZ	Construct Base Entry Complex	52276F	730-839	6,000		State #1 FY18 MILCON priority	New
Guard	2022	3830	JLWS0190054	New Castle County Airport	DE	Replace Fuel Cell/Corrosion Control Hangar	52276F	211-179	11,100		State #1 FY18 MILCON priority	Existing
Guard	2022	3830	SAKW109201	Northwest Field-Anderson AFB	GU	RED HORSE Operational Facility	52276F	171-445	7,400	800		New
Guard	2022	3830	AXOD109095	Barnes Municipal Airport	MA	Relocate Main Gate	52276F	730-839	8,000			
Guard	2022	3830	JKSE169101	Great Falls International Airport	MT	Construct Aircraft Apron	52276F	113-321	9,000		State #1 MILCON priority for FY18	New
Guard	2022	3830	KKGA169022	Hector International Airport	ND	Consolidated RPA/ISR Operations Facility	52276F	141-753	8,800		State #1 MILCON for FY18	New
Guard	2022	3830	AGRC099002	Atlantic City International Airport	NJ	ADAL Maintenance Hangar/Shops	52276F	211-111	13,400		State #3 FY18 MILCON priority	New
Guard	2022	3830	TWLR159090	Quonset State Airport	RI	Operations Training and Combat Comm Facility	52276F	171-445	23,000		State #2 MILCON for FY18	Existing
Guard	2022	3830	PAYZ220006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	12,673		Projects \$1,000K to \$3,000K	
Guard	2022	3830	PAYZ220005	Unspecified	VL	Planning and Design	52276F	961-000	8,759		Planning and design for 2023 and 2024	

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 FY17PB	Explanation of Changes	Footprint
Guard	2022	3830	DPEZ019000	Cheyenne Regional Airport	WY	Replace Vehicle Maintenance Complex	52276F	214-425	8,000		State #1 MILCON for FY18	New
						TOTAL MAJOR CONSTRUCTION			116,132			

**DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2018**

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 FY17PB	Explanation of Changes	Footprint
Guard	2021	3830	BRKR009063	Birmingham International Airport	AL	Security and Services Training Facility	52276F	730-835	7,500		State #1 FY18 MILCON priority	New
Guard	2021	3830	FAKZ049053	Montgomery Regional Airport (ANG) Base	AL	Add/Alter Fire Crash/Rescue Station	52276F	130-142	5,000			New
Guard	2022	3830	XHEA109012	Tucson International airport	AZ	Construct Base Entry Complex	52276F	730-839	6,000		State #1 FY18 MILCON priority	New
Guard	2019	3830	DJCF149001	Channel Islands ANG Station	CA	Construct C-130J Flight Simulator Facility	54332F	171-212	8,000		New mission	New
Guard	2020	3830	CRWU139039	Buckley Air Force Base	CO	Construct Corrosion Control/Fuel Cell Hangar	52276F	211-159	12,000		State MILCON #1 for FY18	New
Guard	2022	3830	JLWS019054	New Castle County Airport	DE	Replace Fuel Cell/Corrosion Control Hangar	52276F	211-179	11,100		State #1 FY18 MILCON priority	Existing
Guard	2020	3830	XDCU109057	Savannah/Hilton Head IAP	GA	Consolidate MX Hangar/Shops Joint Air Dominance	52276F	211-111	20,000		TAG #1 MILCON for FY18	New
Guard	2022	3830	SAKW109201	Northwest Field-Anderson AFB	GU	RED HORSE Operational Facility	52276F	171-445	7,400	800		New
Guard	2020	3830	JLON049119	General Wayne A. Downing Peoria IAP (ANG)	IL	Construct New Fire Crash/Rescue Station	52276F	130-142	9,000		State #1 FY18 MILCON priority	Existing

Air National Guard
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Guard	2019	3830	LDXF129044	Hulman Regional Airport	IN	Construct Small Arms Range	52276F	171-475	8,000		New - modular range	
Guard	2021	3830	WEAS029245	Louisville Intl Airport-Standiford Fld	KY	Add To And Alter Fire Crash/Rescue Station	52276F	130-142	9,000			New
Guard	2019	3830	RQLH059034	Naval Air Station Joint Reserve Base	LA	NORTHCOM - Replace Alert Complex	51216F	141-183	27,000			New
Guard	2020	3830	AXQD049060	Barnes Municipal Airport	MA	Replace Engine, ASE and NDI Shops	52276F	211-157	10,000		State FY18 #1 MILCON	
Guard	2022	3830	AXQD109095	Barnes Municipal Airport	MA	Relocate Main Gate	52276F	730-839	8,000			
Guard	2021	3830	MBMV099170	W. K. Kellogg Airport	MI	Force Protection - Upgrade Main Base Entrance	52276F	730-839	7,000		State #2 FY18 MILCON priority	New
Guard	2021	3830	TDV G029067	Alpena County Regional Airport	MI	Replace Aircraft Maintenance Hanger/Shops	52276F	211-111	20,000		State #1 FY18 MILCON priority	New
Guard	2019	3830	LRXQ159097	Jackson International Airport	MS	Construct Small Arms Range	52276F	179-475	8,000		New - modular range	New
Guard	2021	3830	LRXQ109002	Jackson International Airport	MS	Fire Crash and Rescue Station	52276F	130-142	9,000		State #1 FY18 MILCON priority	

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Guard	2022	3830	JKSE169101	Great Falls International Airport	MT	Construct Aircraft Apron	52276F	113-321	9,000		State #1 MILCON Pri for FY18	New
Guard	2022	3830	KKGA169022	Hector International Airport	ND	Consolidated RPA/ISR Operations Facility	52276F	141-753	8,800		State #1 MILCON for FY18	New
Guard	2021	3830	AQRC169009	Atlantic City International Airport	NJ	Construct Main Gate Complex	52276F	730-837	6,000		New. State #1 MILCON for FY18	New
Guard	2022	3830	AQRC099002	Atlantic City International Airport	NJ	ADAL Maintenance Hangar/Shops	52276F	211-111	13,400		State #3 FY18 MILCON priority	New
Guard	2019	3830	WKVB109058	Francis S. Gabreski Airport	NY	Security Forces/Communication Training Facility	52276F	730-835	20,000		State #1 MILCON for FY18	
ANG	2020	3830	GRCL169016	Eastern Air Defense Sector (EADS) ANG	NY	NORTHCOM-Mission Training Complex	51311F	141-489	5,000			
Guard	2019	3830	NLZG062104	Rickenbacker International Airport (ANG)	OH	Construct Small Arms Range	52276F	179-475	8,000		State # 5 MILCON for FY18	
Guard	2020	3830	PBXP929798	Mansfield Lahm Airport	OH	Replace Fire Station	52276F	130-142	12,000		State #3 MILCON for FY18	New
Guard	2021	3830	EUBC009109	Camp Perry ANG Station	OH	RED HORSE Logistics Complex	52276F	442-758	7,500		State #4 MILCON for FY18	New
Guard	2019	3830	XHZG179037	Tulsa International Airport	OK	Construct Small Arms Range	52276F	179-475	8,000		New - modular range	New

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Guard	2019	3830	LKLW099101	Fort Indiantown Gap ANG Station	PA	Replace Operations Training/Dining Hall	52276F	171-445	8,000	400	State #1 FY18 MILCON priority	New
Guard	2022	3830	TWLR159090	Quonset State Airport	RI	Operations Training and Combat Comm Facility	52276F	171-445	23,000		State #2 MILCON for FY18	Existing
Guard	2019	3830	PAYZ190006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	16,440		Projects \$1,000K to \$3,000K	
Guard	2019	3830	PAYZ190005	Unspecified	VL	Planning and Design	52276F	961-000	14,000		Planning and design for 2020 and 2021	
Guard	2020	3830	PAYZ200006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	15,000		Projects \$1,000K to \$3,000K	
Guard	2020	3830	PAYZ200005	Unspecified	VL	Planning and Design	52276F	961-000	10,980		Planning and design for 2021 and 2022	
Guard	2021	3830	PAYZ210006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	17,181		Projects \$1,000K to \$3,000K	
Guard	2021	3830	PAYZ210005	Unspecified	VL	Planning and Design	52276F	961-000	14,000		Planning and design for 2022 and 2023	
Guard	2022	3830	PAYZ220006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	12,673		Projects \$1,000K to \$3,000K	
Guard	2022	3830	PAYZ220005	Unspecified	VL	Planning and Design	52276F	961-000	8,759		Planning and design for 2023 and 2024	
Guard	2019	3830	AAAA189001	VARIOUS LOCATIONS	VS	Space Control Facility	53116F	141-454	8,000			New
Guard	2020	3830	AAAA209002	VARIOUS LOCATIONS	VS	F-35 Ops 5 Flight Sim	52635F	171-212	25,000		New Mission for F-35	New

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