

AIR NATIONAL GUARD

**Fiscal Year (FY) 2019
BUDGET ESTIMATES**



MILITARY CONSTRUCTION

APPROPRIATION 3830

PROGRAM YEAR 2019

Justification Data Submitted to Congress

February 2018

**DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2019**

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**SUMMARY PROJECT LIST
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM -- FY 2019**

STATE	INSTALLATION AND PROJECT	AUTH AMOUNT (\$000)	APPN AMOUNT (\$000)	PAGE NO.
CALIFORNIA	Channel Island ANG Station Construct C-130J Flight Simulator Facility	<u>8,000</u> 8,000	<u>8,000</u> 8,000	II-1
HAWAII	Joint Base Pearl Harbor - Hickam Construct Addition to F-22 LO/CRF B3408	<u>17,000</u> 17,000	<u>17,000</u> 17,000	II-6
ILLINOIS	General Wayne A. Downing Peoria International Airport Construct New Fire Crash/Rescue Station	<u>9,000</u> 9,000	<u>9,000</u> 9,000	II-11
LOUISIANA	Naval Air Station Joint Reserve Base New Orleans NORTHCOM - Construct Alert Apron	<u>15,000</u> 15,000	<u>15,000</u> 15,000	II-16
NEW YORK	Francis S. Gabreski Airport Security Forces/Communication Training Facility	<u>20,000</u> 20,000	<u>20,000</u> 20,000	II-21
PENNSYLVANIA	Fort Indiantown Gap ANG Station Replace Operations Training/Dining Hall	<u>8,000</u> 8,000	<u>8,000</u> 8,000	II-27
VIRGINIA	Joint Base Langley-Eustis Construct Cyber Ops Facility	<u>10,000</u> 10,000	<u>10,000</u> 10,000	II-32
	SUB-TOTAL -- MAJOR CONSTRUCTION	<u>87,000</u>	<u>87,000</u>	
	PLANNING AND DESIGN		18,500	II-39
	UNSPECIFIED MINOR CONSTRUCTION		23,626	II-43
	SUB - TOTAL -- SUPPORT COSTS		<u>42,126</u>	
	GRAND TOTAL - FY 2019 REQUEST	87,000	129,126	

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**NEW MISSION/CURRENT MISSION EXHIBIT
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM -- FY 2019**

LOCATION	PROJECT	COST (\$000)	CURRENT/ NEW/ENV
Channel Islands ANG Station, CA	Construct C-130J Flight Simulator Facility	8,000	N
Joint Base Pearl Harbor - Hickam, HI	Construct Addition to F-22 LO/CRF B3408	17,000	C
General Wayne A. Downing Peoria International Airport, IL	Construct New Fire Crash/Rescue Station	9,000	C
Naval Air Station Joint Reserve Base, LA	NORTHCOM - Construct Alert Apron	15,000	C
Francis S. Gabreski Airport, NY	Security Forces/Communication Training Facility	20,000	C
Fort Indiantown Gap ANG Station, PA	Replace Operations Training/Dining Hall	8,000	C
Joint Base Langley-Eustis, VA	Construct Cyber Ops Facility	10,000	N
	PLANNING AND DESIGN	18,500	
	UNSPECIFIED MINOR CONSTRUCTION	23,626	
	TOTAL ENERGY	0	
	TOTAL ENVIRONMENTAL	0	
	TOTAL NEW MISSION (2)	18,000	
	TOTAL CURRENT MISSION (5)	69,000	
	GRAND TOTAL - FY 2019 REQUEST	129,126	

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**DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2019**

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, \$129,126,000 to remain available until September 30, 2023.

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 2019**

SECTION II

PROJECT INSTALLATION / JUSTIFICATION DATA

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1. COMPONENT ANG	FY 2019 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE Feb 2018																		
3. INSTALLATION AND LOCATION CHANNEL ISLANDS ANG STATION, OXNARD		4. AREA CONSTR COST INDEX 1.13																		
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician /AGR force, and for training.																				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS Naval Base Ventura County, California PT Mugu Site (1 mile) and Port Hueneme (5 miles).																				
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 colspan="2" style="text-align: left; border-bottom: 1px solid black;"><u>DESIGN STATUS</u></th> </tr> <tr> <th></th> <th></th> <th></th> <th></th> <th style="text-align: left; border-bottom: 1px solid black;">START</th> <th style="text-align: left; border-bottom: 1px solid black;">COMPLETE</th> </tr> </thead> <tbody> <tr> <td>171-212</td> <td>Construct C-130J Flight Simulator Facility</td> <td>985 SM (10,600 SF)</td> <td>8,000</td> <td>Dec 17</td> <td>Jul 18</td> </tr> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	<u>DESIGN STATUS</u>						START	COMPLETE	171-212	Construct C-130J Flight Simulator Facility	985 SM (10,600 SF)	8,000	Dec 17	Jul 18
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	<u>DESIGN STATUS</u>																
				START	COMPLETE															
171-212	Construct C-130J Flight Simulator Facility	985 SM (10,600 SF)	8,000	Dec 17	Jul 18															
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: Unilateral Construction Approved <div style="text-align: right; margin-right: 100px;"><u>03 Mar 17</u> (Date)</div>																				
9. LAND ACQUISITION REQUIRED <div style="text-align: right; margin-right: 100px;"><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; 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 colspan="4" style="text-align: center; padding-top: 20px;">R&M Unfunded Requirements: \$12,750,000.</td> </tr> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	R&M Unfunded Requirements: \$12,750,000.													
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)																	
R&M Unfunded Requirements: \$12,750,000.																				

1. COMPONENT ANG	FY 2019 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE Feb 2018		
3. INSTALLATION AND LOCATION CHANNEL ISLANDS ANG STATION, OXNARD							
11. PERSONNEL STRENGTH AS OF 07 Apr 17							
		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	271	25	241	5	1,030	145	885
ACTUAL	240	23	212	5	979	145	834
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>		<u>STRENGTH</u>		<u>ACTUAL</u>	
	146 Force Support Squadron	49				47	
	195 Weather Flight	13				11	
	146 Services Flight	0				0	
	146 Operations Group	9				10	
	146 Maintenance Group	11				8	
	146 Mission Support Group	8				9	
	146 Operations Support Flight	42				37	
	146 ALC FL	16				14	
	115 Airlift Squadron	74				64	
	146 Airlift Evacuation Squadron	87				84	
	146 Airlift Wing	45				39	
	146 Maintenance Squadron	165				136	
	146 Mission Support Flight	0				0	
	146 Medical Group	59				52	
	562 Air Force Band	40				34	
	146 Communication Flight	31				33	
	146 Aircraft Maintenance Squadron	62				52	
	146 Maintenance Operations Flight	20				16	
	146 Civil Engineering Squadron	62				52	
	146 Security Forces Squadron	74				74	
	146 Logistics Readiness Squadron	122				118	
	146 Student Flight	25				77	
	146 ALC_FL	16				15	
	TOTALS	1,030				982	
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ACTUAL</u>			
	C-130J	8				8	

1. COMPONENT ANG	FY 2019 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE Feb 2018	
3. INSTALLATION AND LOCATION CHANNEL ISLANDS ANG STATION, CALIFORNIA			4. PROJECT TITLE CONSTRUCT C-130J FLIGHT SIMULATOR FACILITY		
5. PROGRAM ELEMENT 54332F	6. CATEGORY CODE 171-212	7. PROJECT NUMBER DJCF149001	8. PROJECT COST(\$000) \$8,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
C-130J FLIGHT SIMULATOR TRAINING FACILITY		SM	985		4,082
CONSTRUCT FLIGHT SIMULATOR (171212)		SM	985	4,144	(4,082)
SUPPORTING FACILITIES					3,122
UTILITIES		LS			(494)
PAVEMENTS		LS			(336)
SITE IMPROVEMENTS		LS			(346)
COMMUNICATIONS SUPPORT		LS			(99)
FIRE PROTECTION SUPPORT		LS			(1,481)
SEISMIC CONDITIONS		LS			(247)
SUSTAINABILITY AND ENERGY MEASURES		LS			(119)
SUBTOTAL					7,204
CONTINGENCY (5%)					360
TOTAL CONTRACT COST					7,564
SUPERVISION, INSPECTION AND OVERHEAD (6%)					453
TOTAL REQUEST					8,017
TOTAL REQUEST (ROUNDED)					8,000
10. Description of Proposed Construction: Construct a C-130-J Simulator 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: Simulator will require high bay construction with specialized flooring. To the greatest extent possible interior spaces shall be open office configuration with demountable partitions and systems furniture/prewired workstations. Exterior work includes: all necessary exterior utilities, sidewalks, paved areas, fire protection, site work, communications support and parking area. Air Conditioning: 350 KW.					
11. REQUIREMENT: 985 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM PROJECT: C-130J Flight Simulator Training Facility (New Mission) REQUIREMENT: The installation requires a properly sited, adequately sized and appropriately configured flight simulator facility house a six-axis flight simulator to train aircrews to fly the 8 PAA C-130J aircraft assigned to the 146th Airlift Wing. Functional areas include a two-story high bay in which to house flight simulator, briefing rooms, administrative areas for training and support staff, equipment and maintenance rooms, storage spaces, communications room supporting simulator operations, mechanical and electrical utility rooms and latrine facilities. CURRENT SITUATION: Air Mobility Command is establishing C-130J Aircraft Flight Simulator Training Program and selected Channel Islands Air National Guard Station to receive the equipment for this function. The installation does not have a facility that can be modified to accommodate a flight simulator. Crews currently perform training and meet qualification requirements by either flying existing based aircraft or performing temporary duty at an installation that has an appropriate simulator device.					

1. COMPONENT ANG	FY 2019 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE Feb 2018								
3. INSTALLATION AND LOCATION CHANNEL ISLANDS ANG STATION, CALIFORNIA										
5. PROJECT TITLE CONSTRUCT C-130J FLIGHT SIMULATOR FACILITY	7. PROJECT NUMBER DJCF149001									
<p><u>IMPACT IF NOT PROVIDED:</u> Capacity of existing facilities limits number of certified pilots and qualified aircrews. Without this new construction, opportunities to effectively establish low-cost, high- impact mission training will be delayed or lost. Existing low-fidelity, part-task trainer devices do not have full motion, full visual systems or comply with current training standards, so pilot certifications are reduced. Extra costs are incurred sending aircrews elsewhere for required training. Increased risk to tactical airlift operations in combat applications due to reduced training opportunities. Higher training costs and increased wear and tear on aircraft as qualifications and training would be conducted in aircraft; training in simulators is cost effective and reduces flying hours, budgeting requirements, risk, and saves fuel/operational costs.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in ANG Handbook 32-1084, "Facility Requirements." Antiterrorism/Force Protection requirements have been considered in the development of this project. This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air National Guard and active duty requirements. This project is considered capitalization based on the following rule from ANGETL 17-06: New Construction.</p> <table data-bbox="235 976 1412 1050"> <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>985 SM</td> <td>0 SM</td> <td>0 SM</td> </tr> </tbody> </table> <p>CONSTRUCT FLIGHT SIMULATOR (171212) 985 SM = 10,600 SF</p>			CatCode	Requirement	Adequate	Substandard	171-212 FLGHT SIMULATOR TRAINING	985 SM	0 SM	0 SM
CatCode	Requirement	Adequate	Substandard							
171-212 FLGHT SIMULATOR TRAINING	985 SM	0 SM	0 SM							

1. COMPONENT ANG	FY 2019 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE Feb 2018	
3. INSTALLATION AND LOCATION CHANNEL ISLANDS ANG STATION, CALIFORNIA			
5. PROJECT TITLE CONSTRUCT C-130J FLIGHT SIMULATOR FACILITY		7. PROJECT NUMBER DJCF149001	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started		DEC 2017	
(b) Parametric Cost Estimates used to develop costs		NO	
(c) Percent Complete as of Jan 2018		6%	
* (d) Date 35% Designed		MAR 2018	
(e) Date Design Complete		JUL 2018	
(f) Type of Design Contract		IDIQ	
(g) Energy Study/Life-Cycle analysis was/will be performed		YES	
(2) Basis:			
(a) Standard or Definitive Design -		NO	
(b) Where Design Was Most Recently Used -		N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)	
(a) Production of Plans and Specifications		370	
(b) All Other Design Costs		180	
(c) Total		550	
(d) Contract		550	
(e) In-House			
(4) Contract Award (Month/Year)		DEC 2018	
(5) Construction Start		FEB 2019	
(6) Construction Completion		JAN 2020	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.			
b. Equipment associated with this project will be provided from other appropriations:		YES	
EQUIPMENT NOMENCLATURE C-130J Flight Simulator	PROCURING APPROPRIATION 3010	FY APPROPRIATED OR REQUESTED 2018	COST (\$000) 30,000
POINT OF CONTACT: NGB / A4AD (240) 612-8070			

1. COMPONENT ANG	FY 2019 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE Feb 2018												
3. INSTALLATION AND LOCATION JOINT BASE PEARL HARBOR - HICKAM, HONOLULU (OAHU)		4. AREA CONSTR COST INDEX 2.10												
5. FREQUENCY AND TYPE OF UTILIZATION One Unit Training Assembly per month, 15 days annual field training per year, daily use by technician/AGR force for training.														
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS 2 Army Installations, 1 Army Facility, 1 Air Force Base, 1 Air Force Reserve, 1 Naval Installations, 1 Marine Corps Reserve Center, 4 Army National Guard Installations, 1 Air National Guard														
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>211-159</td> <td>Construct Addition to F-22 LO/CRF B3408</td> <td>1,067 SM (11,490 SF)</td> <td>17,000</td> <td>Oct 15</td> <td>Sep 16</td> </tr> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	DESIGN STATUS START	COMPLETE	211-159	Construct Addition to F-22 LO/CRF B3408	1,067 SM (11,490 SF)	17,000	Oct 15	Sep 16
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	DESIGN STATUS START	COMPLETE									
211-159	Construct Addition to F-22 LO/CRF B3408	1,067 SM (11,490 SF)	17,000	Oct 15	Sep 16									
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: Unilateral Construction Approved <div style="text-align: right;"><u>30 May 17</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; 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>442-758</td> <td>Base Supply Complex</td> <td>3,520 SM (37,900 SF)</td> <td>10,400</td> </tr> <tr> <td></td> <td colspan="3">R&M Unfunded Requirement: \$17,825</td> </tr> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	442-758	Base Supply Complex	3,520 SM (37,900 SF)	10,400		R&M Unfunded Requirement: \$17,825		
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)											
442-758	Base Supply Complex	3,520 SM (37,900 SF)	10,400											
	R&M Unfunded Requirement: \$17,825													

1. COMPONENT ANG	FY 2019 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE Feb 2018		
3. INSTALLATION AND LOCATION JOINT BASE PEARL HARBOR - HICKAM, HONOLULU (OAHU)							
11. PERSONNEL STRENGTH AS OF 01 Apr 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	1,014	117	880	17	2,547	355	2,192
ACTUAL	987	110	860	17	2,254	284	1,970
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>		<u>STRENGTH</u>		<u>ACTUAL</u>		
HQ ANG	52				48		
HQ WING	85				80		
154 Medical Group	113				111		
154 Comptroller Flight	25				23		
154 Aircraft Maintenance Squadron	455				423		
154 Civil Engineering Squadron	77				69		
154 Communication Flight	56				49		
154 Logistics Readiness Squadron	122				119		
154 Maintenance Operations Flight	64				62		
154 Mission Support Group	20				11		
154 Force Support Squadron	69				58		
154 Maintenance Squadron	580				330		
154 Operations Group	13				8		
154 Operations Support Squadron	110				105		
154 Security Forces Squadron	74				68		
154 Maintenance Group	60				55		
169 Air Defense Squadron	363				360		
199 Fighter Squadron	32				31		
199 Weather Flight	14				14		
109 Air Operational Group	131				121		
201 Combat Communications Group	45				44		
201 Intelligence Squadron (DGS)	45				43		
203 Air Refueling Squadron	64				62		
204 Airlift Squadron	70				68		
291 Combat Communications Squadron	122				114		
292 Combat Communications Squadron	123				112		
293 Combat Communications Squadron	0				0		
297 Air Traffic Control Squadron	<u>105</u>				<u>102</u>		
	TOTALS				3,089		2,690
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>	<u>AUTHORIZED</u>		<u>STRENGTH</u>		<u>ACTUAL</u>		
Vehicles	218				214		
F-22 AIRCRAFT	18				18		
KC-135R Aircraft	8				8		
Support Equipment	512				509		
Vehicle Equivalents					820		

1. COMPONENT ANG	FY 2019 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE Feb 2018
3. INSTALLATION AND LOCATION JOINT BASE PEARL HARBOR - HICKAM, HAWAII			4. PROJECT TITLE CONSTRUCT ADDITION TO F-22 LO/CRF B3408	
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 211-159	7. PROJECT NUMBER KNMD189008	8. PROJECT COST(\$000) \$17,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ADD TO COMPOSITE REPAIR FACILITY	SM	1,067		11,874
CONSTRUCT LO/CRF BAY ADDITION	SM	928	9,935	(9,220)
CONSTRUCT ADDITIONAL SHOP SUPPORT AREA	SM	139	8,891	(1,236)
RECONFIGURE EXISTING MECHANICAL AREAS	SM	251	5,651	(1,418)
SUPPORTING FACILITIES	LS			3,079
PAVEMENTS	LS			(777)
UTILITIES	LS			(194)
SITE WORK	LS			(408)
COMMUNICATIONS SUPPORT	LS			(146)
FIRE SUPPRESSION SUPPORT	LS			(1,554)
SUSTAINABILITY AND ENERGY MEASURES	LS			<u>261</u>
SUBTOTAL				15,214
CONTINGENCY (5%)				<u>761</u>
TOTAL CONTRACT COST				15,975
SUPERVISION, INSPECTION AND OVERHEAD (6%)				<u>958</u>
TOTAL REQUEST				16,933
TOTAL REQUEST (ROUNDED)				17,000
10. Description of Proposed Construction: Construct a single-bay addition to the current 2-bay F-22 Low Observable/Composite Repair Facility (LO/CRF) 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: Tie into existing two-bay LO facility is required while maintaining aircraft maintenance operations at full capacity. The facility requires a special corrosion controlled environment for the LO bay, security measures, and specialized climate control systems to regulate temperature, humidity, airflow and fall protection.				
11. REQUIREMENT: 5,741 SM ADEQUATE: 3,066 SM SUBSTANDARD: 0 SM PROJECT: Construct a one-bay addition to the existing LO/CRF (Current Mission) REQUIREMENT: The 154th Fighter Wing requires a 3rd LO/CRF bay to perform maintenance for a squadron of 18-PAA, F-22 Fighter Aircraft at Hickam ANGB, Joint Base Pearl Harbor-Hickam, HI. The materials produced during composite repair require unique equipment and supplies for maintenance and repair, and a specialized, environmentally-controlled facility to perform the work. The facility requires a special corrosion controlled environment for the LO bay, security measures, and specialized climate control systems to regulate temperature, humidity, airflow and fall protection. The facility must contain areas for corrosion inspection, on- and off-aircraft LO restoration, LO restoration following aircraft maintenance, on-aircraft composite material repairs, off equipment training. CURRENT SITUATION: The existing two-bay building does not provide the required capacity necessary for composite aircraft skin maintenance, laminating, and painting. The aircraft fleet requires additional capacity beyond what can be maintained with the two-bay facility.				

1. COMPONENT ANG	FY 2019 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE Feb 2018												
3. INSTALLATION AND LOCATION JOINT BASE PEARL HARBOR - HICKAM, HAWAII														
5. PROJECT TITLE CONSTRUCT ADDITION TO F-22 LO/CRF B3408	7. PROJECT NUMBER KNMD189008													
<p>The two-bay operation is in continual use leaving no time for building sustainment without a 50% reduction in aircraft production rates. Aircraft are suffering a backlog for routine LO/CRF maintenance. The unit has attempted a workaround to perform minor repairs to LO/CR components outside of an LO/CRF bay, with negligible success. Critical mission requirements are inhibited since aircraft are not available due to required and frequent composite maintenance and repair. The remote location prohibits returning jets to depot for routine LO/CRF maintenance - they must be maintained on-island. There is enough property adjacent to the existing two-bay facility to build one additional bay and increase production rates to a more acceptable level.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The current building will remain functional, but mission operations will continue to be limited/inhibited due to the insufficient LO/CRF capacity. Fully Mission Capable (FMC) rates will continue to decrease as the backlog of aircraft needing exterior coating treatments continue to increase. This will result in fewer resources (time and equipment) available to sustain required aircraft training and mission accomplishment. Additionally, facility maintenance downtime restricts the aircraft LO repairs to only one bay. If one of the two current bays become inoperable for an extended period of time, the F-22 mission will be critically affected. This will have severe negative affect on support of PACOM's Air Control Alert mission as well as the organic flying mission of the 154th's PAA. The Air Force will have to accept less mission capability due to inadequate LO maintenance and corrosion control facilities at the USAF's most forward 5th-generation fighter location.</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 13423, 10 USC 2802(c) and other applicable laws and Executive Orders. This is a late-to-need MILCON effort. 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. 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. This project is considered capitalization based on the following rule from ANGETL 17-06: Increase size/footprint of existing facility.</p> <table border="0" data-bbox="235 1480 1412 1543"> <tr> <td>CatCode</td> <td>Requirement</td> <td>Adequate</td> <td>Substandard</td> </tr> <tr> <td>211-159 AIRCRAFT CORROSION CONTROL</td> <td>5,741 SM</td> <td>3,066 SM</td> <td>0 SM</td> </tr> </table> <table border="0" data-bbox="211 1606 1299 1680"> <tr> <td>CONSTRUCT LO/CRF BAY ADDITION</td> <td>928 SM = 9,990 SF</td> </tr> <tr> <td>CONSTRUCT ADDITIONAL SHOP SUPPORT AREA</td> <td>139 SM = 1,500 SF</td> </tr> </table>			CatCode	Requirement	Adequate	Substandard	211-159 AIRCRAFT CORROSION CONTROL	5,741 SM	3,066 SM	0 SM	CONSTRUCT LO/CRF BAY ADDITION	928 SM = 9,990 SF	CONSTRUCT ADDITIONAL SHOP SUPPORT AREA	139 SM = 1,500 SF
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1. COMPONENT ANG	FY 2019 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE Feb 2018																			
3. INSTALLATION AND LOCATION GENERAL WAYNE A. DOWNING PEORIA IAP(ANG), PEORIA				4. AREA CONSTR COST INDEX 1.20																			
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual training per year, daily use by technician/AGR force.																							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS One Army National Guard Armory, one Naval Reserve, one Marine Corps Reserve, one Army Reserve Center and one Coast Guard Reserve.																							
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 colspan="2" style="text-align: left; border-bottom: 1px solid black;"><u>DESIGN STATUS</u></th> </tr> <tr> <th></th> <th></th> <th></th> <th></th> <th style="text-align: left; border-bottom: 1px solid black;">START</th> <th style="text-align: left; border-bottom: 1px solid black;">COMPLETE</th> </tr> </thead> <tbody> <tr> <td>130-142</td> <td>Construct New Fire Crash/Rescue Station</td> <td>1,654 SM (17,800 SF)</td> <td>9,000</td> <td>Oct 15</td> <td>April 18</td> </tr> </tbody> </table>						CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	<u>DESIGN STATUS</u>						START	COMPLETE	130-142	Construct New Fire Crash/Rescue Station	1,654 SM (17,800 SF)	9,000	Oct 15	April 18
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9. LAND ACQUISITION REQUIRED <div style="text-align: right; margin-right: 100px;"><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; 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>219-943</td> <td>BCE Pavements and Grounds Facility</td> <td>557 SM (6,000 SF)</td> <td>1,700</td> </tr> <tr> <td></td> <td colspan="5">R&M Unfunded Requirement: \$9,800,000.</td> </tr> </tbody> </table>						CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	219-943	BCE Pavements and Grounds Facility	557 SM (6,000 SF)	1,700		R&M Unfunded Requirement: \$9,800,000.								
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3. INSTALLATION AND LOCATION GENERAL WAYNE A. DOWNING PEORIA IAP(ANG), PEORIA							
11. PERSONNEL STRENGTH AS OF 21 Feb 17							
		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	330	43	283	4	1,266	188	1,078
ACTUAL	315	36	275	4	1,246	165	1,081
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>			<u>AUTHORIZED</u>	<u>ACTUAL</u>	
	182 ALW				45	42	
	182 Operations Group				8	8	
	182 Maintenance Group				12	10	
	182 Maintenance Squadron				150	159	
	182 Aircraft Maintenance Squadron				57	61	
	182 MXOF				21	20	
	182 Mission Support Group				8	8	
	182 Force Support Squadron				62	60	
	182 Civil Engineering Squadron				95	98	
	182 Communication Flight				31	33	
	182 Security Forces Squadron				74	82	
	182 Logistics Readiness Squadron				122	125	
	182 Medical Group				68	83	
	264 Combat Communications Squadron				106	106	
	182 Air Support Operations Group				25	20	
	168 Air Support Operations Squadron				59	51	
	169 Air Support Operations Squadron				78	72	
	566 Band				40	46	
	182 Student Flight				22	0	
	182 Comptroller Flight				12	12	
	182 Operations Support Flight				47	49	
	169 Airlift Squadron				99	94	
				TOTALS	1,241	1,239	
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ACTUAL</u>			
	Vehicles			241	238		
	C-130H Aircraft			8	8		
	Support Equipment			167	157		
	Vehicle Equivalents			633	628		

1. COMPONENT ANG	FY 2019 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE Feb 2018
3. INSTALLATION AND LOCATION GENERAL WAYNE A. DOWNING PEORIA IAP(ANG), ILLINOIS			4. PROJECT TITLE CONSTRUCT NEW FIRE CRASH/RESCUE STATION	
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 130-142	7. PROJECT NUMBER JLQN049119	8. PROJECT COST(\$000) \$9,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CONSTRUCT FIRE CRASH/RESCUE STATION	SM	1,654		6,499
CONSTRUCT FIRE CRASH/RESCUE STATION	SM	1,654	3,929	(6,499)
SUPPORTING FACILITIES				1,585
SITE IMPROVEMENTS	LS			(250)
PAVEMENTS	LS			(620)
UTILITIES	LS			(310)
COMMUNICATIONS SUPPORT	LS			(25)
PASSIVE FORCE PROTECTION MEASURES	LS			(200)
SUSTAINABILITY AND ENERGY MEASURES	LS			(180)
SUBTOTAL				8,084
CONTINGENCY (5%)				404
TOTAL CONTRACT COST				8,488
SUPERVISION, INSPECTION AND OVERHEAD (6%)				509
TOTAL REQUEST				8,997
TOTAL REQUEST (ROUNDED)				9,000
10. Description of Proposed Construction: Construct a new Fire Crash/Rescue Station 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: access roads and pavements, utility extensions, and communications support. Air Conditioning: 245 KW.				
11. REQUIREMENT: 1,654 SM ADEQUATE: 0 SM SUBSTANDARD: 675 SM PROJECT: Construct Crash/Rescue Station (Current Mission) REQUIREMENT: The 182nd Airlift Wing (AW) supports flying operations for 8 PAA C-130 aircraft and requires a properly sized and adequately configured facility to house fire crash/rescue administrative, operations, maintenance, and training functions. Functional areas include: bunkrooms, control/alarm room, administrative and office areas, training room, kitchenette and dining area, day room, physical fitness room, technical services area, equipment maintenance areas, support space, decontamination room, apparatus bays, and storage. CURRENT SITUATION: The fire crash/rescue function supports the ANG mission as well as the "primary" capability for the entire commercial airport. The administrative and training side of the station is poorly configured and grossly undersized. Personnel are operating out of only 42 percent of authorized space. The facility lacks individual bedrooms with personnel currently sharing one bay using pull-down beds. The bunk space must double as a classroom due to space limitations that eliminate the potential to permanently configure a classroom. The training office, safety office, supply office, and documentation management functions are working from a single small office with limited telephone and computer capabilities. The female bunkroom is used as the senior fire officer bunkroom and the fire prevention office. There is inadequate space to accomplish fire extinguisher maintenance.				

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3. INSTALLATION AND LOCATION GENERAL WAYNE A. DOWNING PEORIA IAP(ANG), ILLINOIS										
5. PROJECT TITLE CONSTRUCT NEW FIRE CRASH/RESCUE STATION	7. PROJECT NUMBER JLQN049119									
<p>Physical fitness equipment is forced to be located in part of an apparatus bay required for authorized equipment parking, which means that equipment must be parked outdoors. The shortage of storage areas requires the storage of foam in other base buildings. The restroom, shower, and locker rooms were not designed to handle the assigned personnel and there is a shortage of lockers for the protective clothing.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The station personnel are forced to operate out of less than half of their authorized space. Lack of space continues to compromise training and sleep areas because of dual use of space. The lack of space continues to degrade mission critical operations. Trucks and equipment are stored outside and subject to weather degradation. Female fire fighters cannot be hired due to the lack of adequate space.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in ANG 32-1084, "Facility Requirements" and is in compliance with the base master plan. Antiterrorism/Force Protection requirements have been considered in the development of this project. This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air National Guard requirements. Sustainable principles, to include Life Cycle cost effective practices, will be integrated into the design, development and construction of the project in accordance with Executive Order 13693, 10 USC 2802(c) and other applicable laws and Executive Orders. This project is considered capitalization based on the following rule from ANGETL 17-06: New Construction.</p> <table border="0" data-bbox="235 1108 1412 1176"> <thead> <tr> <th>CatCode</th> <th>Requirement</th> <th>Adequate</th> <th>Substandard</th> </tr> </thead> <tbody> <tr> <td>130-142 FIRE CRASH/RESCUE STATION</td> <td>1,654 SM</td> <td>0 SM</td> <td>675 SM</td> </tr> </tbody> </table> <p>CONSTRUCT FIRE CRASH/RESCUE STATION 1,654 SM = 17,800 SF</p>			CatCode	Requirement	Adequate	Substandard	130-142 FIRE CRASH/RESCUE STATION	1,654 SM	0 SM	675 SM
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3. INSTALLATION AND LOCATION NAVAL AIR STATION JOINT RESERVE BASE, NEW ORLEANS		4. AREA CONSTR COST INDEX .95																
5. FREQUENCY AND TYPE OF UTILIZATION Four Unit Training Assemblies per month, 15 days annual field training per year, daily use by Technician/AGR force for training.																		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS 1 Army National Guard Post, 1 Army Reserve Facility, 3 National Guard Armories, 1 Air Force Reserve Unit, 1 Naval Air Station																		
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CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	DESIGN STATUS START COMPLETE														
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8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: Unilateral Construction Approved <div style="text-align: right; margin-right: 100px;"><u>13 Apr 17</u> (Date)</div>																		
9. LAND ACQUISITION REQUIRED <div style="text-align: right; margin-right: 100px;"><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; 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>141-183</td> <td>NORTHCOM - Construct Alert Facilities</td> <td>3,423 SM (36,850 SF)</td> <td>24,000</td> </tr> <tr> <td>730-835</td> <td>Replace Security Forces Facility</td> <td>1,617 SM (17,400 SF)</td> <td>5,200</td> </tr> <tr> <td colspan="4" style="padding-left: 40px;">R&M Unfunded Requirement: \$0</td> </tr> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	141-183	NORTHCOM - Construct Alert Facilities	3,423 SM (36,850 SF)	24,000	730-835	Replace Security Forces Facility	1,617 SM (17,400 SF)	5,200	R&M Unfunded Requirement: \$0			
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141-183	NORTHCOM - Construct Alert Facilities	3,423 SM (36,850 SF)	24,000															
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1. COMPONENT ANG	FY 2019 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE Feb 2018		
3. INSTALLATION AND LOCATION NAVAL AIR STATION JOINT RESERVE BASE, NEW ORLEANS							
11. PERSONNEL STRENGTH AS OF 17 Mar 17							
		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	159	23	134	2	1,118	137	981
ACTUAL	154	22	130	2	1,238	136	1,102
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>			<u>AUTHORIZED</u>	<u>ACTUAL</u>	
	159 Force Support Squadron				35	44	
	159 Medical Group				45	61	
	159 MDGDET				46	28	
	HQ LAANG				37	36	
	159 Aircraft Maintenance Squadron				177	177	
	159 Civil Engineering Squadron				63	86	
	159 Communication Flight				32	38	
	159 Comptroller Flight				12	16	
	159 Fighter Squadron				30	27	
	159 Fighter Wing				51	50	
	159 Logistics Readiness Squadron				70	80	
	159 Medical Squadron				108	90	
	159 Maintenance Operations Flight				25	27	
	159 Mission Support Flight				0	0	
	159 Mission Support Group				12	13	
	159 Maintenance Group				26	27	
	159 Maintenance Squadron				235	234	
	159 Operations Group				7	4	
	159 Operations Support Flight				30	38	
	159 Security Forces Squadron				73	84	
	159 Services Flight				0	0	
	214 Engineering Installation Squadron				111	123	
	HQ LA ANG				37	36	
	TOTALS				1,262	1,319	
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ACTUAL</u>			
	Vehicle Equivalents		324		324		
	F-15 A/B Aircraft		18		18		
	Support Equipment		237		232		
	Vehicles		116		114		

1. COMPONENT ANG	FY 2019 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE Feb 2018
3. INSTALLATION AND LOCATION NAVAL AIR STATION JOINT RESERVE BASE, LOUISIANA			4. PROJECT TITLE NORTHCOM - CONSTRUCT ALERT APRON	
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 113-321	7. PROJECT NUMBER RQLH059034	8. PROJECT COST(\$000) \$15,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
NORTHCOM CONSTRUCT ALERT APRON	SM	23,814		10,264
PARKING APRON W/ PAVED SHOULDERS (113321)	SM	17,699	389	(6,885)
TAXIWAY W/PAVED SHOULDERS (112211)	SM	6,115	389	(2,379)
AIRFIELD LIGHTING (136667)	LS			(1,000)
SUPPORTING FACILITIES				2,645
SPECIAL SITE CONDITIONS - DEWATERING	LS			(100)
SECURITY FENCE	LS			(250)
ACCESS ROAD, PARKING, AND ASE PAD	LS			(415)
ELECTRICAL VEHICLE/AIRCRAFT GATES	LS			(250)
SITE IMPROVEMENTS, AREA LIGHTING, DRAINAGE	LS			(1,400)
FIRE WATER LINE	LS			(230)
SUSTAINABILITY AND ENERGY MEASURES	LS			500
SUBTOTAL				13,409
CONTINGENCY (5%)				670
TOTAL CONTRACT COST				14,079
SUPERVISION, INSPECTION AND OVERHEAD (6%)				844
TOTAL REQUEST				14,923
TOTAL REQUEST (ROUNDED)				15,000
10. Description of Proposed Construction: Construct Aerospace Control Alert Apron 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 all utilities, communication support, site improvements, exterior lighting, lighting protection, and security upgrades. Parking apron for two alert ready aircraft. Erect security fencing, access gates, provide airfield lighting, security lighting with controls and communications and electrical conduit. Provide pile foundations. Provide site preparation to include soil dewatering as required.				
11. REQUIREMENT: 23,814 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM PROJECT: NORTHCOM - Construct Aerospace Control Alert Apron (Current Mission) REQUIREMENT: Provide an Aerospace Control Alert apron with direct runway access for munitions loaded aircraft (four primary response in shelters and two back-up on the ramp) on alert status for Operation NOBLE EAGLE. The apron must be sited to comply with explosive quantity distance requirements, airfield restrictive distances and surfaces, and pertinent fire codes, as well as providing pavements with adequate drainage facilities and required pavement markings. Provide controlled access fenced perimeter with and gates and security and airfield lighting. CURRENT SITUATION: Fighter aircraft loaded with live munitions are on alert and parked on the apron to meet Operation NOBLE EAGLE mission capabilities. Existing facilities were constructed for two aircraft plus one spare. These facilities are undersized for today's alert mission and site constraints prohibit expansion of the complex. Additionally, airfield clear zone criteria changes place the existing				

1. COMPONENT ANG	FY 2019 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE Feb 2018																												
3. INSTALLATION AND LOCATION NAVAL AIR STATION JOINT RESERVE BASE, LOUISIANA																														
5. PROJECT TITLE NORTHCOM - CONSTRUCT ALERT APRON		7. PROJECT NUMBER RQLH059034																												
<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>JUL 2017</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 2018</td> <td>45%</td> </tr> <tr> <td>* (d) Date 35% Designed</td> <td>NOV 2017</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>OCT 2018</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>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>950</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>300</td> </tr> <tr> <td>(c) Total</td> <td>1,250</td> </tr> <tr> <td>(d) Contract</td> <td>1,250</td> </tr> <tr> <td>(e) In-House</td> <td></td> </tr> </table> <p>(4) Contract Award (Month/Year) FEB 2019</p> <p>(5) Construction Start APR 2019</p> <p>(6) Construction Completion MAR 2020</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) 612-8070</p>			(a) Date Design Started	JUL 2017	(b) Parametric Cost Estimates used to develop costs	No	(c) Percent Complete as of Jan 2018	45%	* (d) Date 35% Designed	NOV 2017	(e) Date Design Complete	OCT 2018	(f) Type of Design Contract	Standard	(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	950	(b) All Other Design Costs	300	(c) Total	1,250	(d) Contract	1,250	(e) In-House	
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1. COMPONENT ANG	FY 2019 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE Feb 2018																			
3. INSTALLATION AND LOCATION FRANCIS S. GABRESKI AIRPORT, WEST HAMPTON BEACH				4. AREA CONSTR COST INDEX 1.12																			
5. FREQUENCY AND TYPE OF UTILIZATION Four unit training assemblies per month, 15 days annual field training per year, daily use by technician/AGR force and for training.																							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS One Army Reserve Unit, and one Coast Guard Unit.																							
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>730-835</td> <td>Security Forces/Communication Training Facility</td> <td>2,620 SM (28,200 SF)</td> <td>20,000</td> <td>Jan 17</td> <td>Apr 18</td> </tr> </tbody> </table>						CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	<u>DESIGN STATUS</u>						<u>START</u>	<u>COMPLETE</u>	730-835	Security Forces/Communication Training Facility	2,620 SM (28,200 SF)	20,000	Jan 17	Apr 18
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	<u>DESIGN STATUS</u>																			
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8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: Unilateral Construction approved.				<u>16 Feb 17</u> (Date)																			
9. LAND ACQUISITION REQUIRED				<u>None</u> (Number of Acres)																			
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1. COMPONENT ANG	FY 2019 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE Feb 2018		
3. INSTALLATION AND LOCATION FRANCIS S. GABRESKI AIRPORT, WEST HAMPTON BEACH							
11. PERSONNEL STRENGTH AS OF 15 Apr 17							
		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	281	42	235	4	1,034	144	890
ACTUAL	279	43	232	4	1,055	132	923
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>		<u>STRENGTH</u>		<u>ACTUAL</u>	
	106 CPR	13				11	
	101 Rescue Squadron	45				40	
	102 Rescue Squadron	64				61	
	103 Rescue Squadron	68				60	
	106 Aircraft Maintenance Squadron	98				81	
	106 Civil Engineering Squadron	89				88	
	106 Communication Flight	31				32	
	106 Comptroller Flight	0				0	
	106 Force Support Squadron	44				47	
	106 Logistics Readiness Squadron	115				104	
	106 Medical Group	40				42	
	106 Maintenance Operations Flight	19				15	
	106 Mission Support Group	8				14	
	106 Maintenance Group	17				18	
	106 Maintenance Squadron	171				131	
	106 Operations Group	13				13	
	106 Operations Support Squadron	50				45	
	106 Rescue Wing	45				37	
	106 Security Forces Squadron	74				70	
	106 Student Flight	30				146	
	TOTALS	1,034				1,055	
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ACTUAL</u>			
	Equipment	247				247	
	Vehicles	92				86	
	HC-130 Aircraft	4				6	
	HH-60G Aircraft	5				6	
	Vehicle Equivalents	353				325	

1. COMPONENT ANG	FY 2019 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE Feb 2018
3. INSTALLATION AND LOCATION FRANCIS S. GABRESKI AIRPORT, NEW YORK			4. PROJECT TITLE SECURITY FORCES/COMMUNICATION TRAINING FACILITY	
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 730-835	7. PROJECT NUMBER WKVB109058	8. PROJECT COST(\$000) \$20,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
SECURITY FORCES AND COMMUNICATIONS FACILITY	SM	2,620		13,114
SECURITY FORCES (730835)	SM	1,208	4,951	(5,981)
BASE COMMUNICATIONS (131111)	SM	1,133	5,328	(6,037)
PHYSICAL FITNESS (740674)	SM	279	3,929	(1,096)
SUPPORTING FACILITIES				4,175
UTILITIES	LS			(350)
PAVEMENTS	LS			(625)
SITE IMPROVEMENTS	LS			(350)
COMMUNICATION SUPPORT	LS			(600)
FIRE SUPPRESSION SUPPORT	LS			(350)
STAND BY POWER	LS			(400)
RELOCATE COMM SWITCH	LS			(1,500)
SUSTAINABILITY AND ENERGY MEASURES	LS			530
SUBTOTAL				17,819
CONTINGENCY (5%)				891
TOTAL CONTRACT COST				18,710
SUPERVISION, INSPECTION AND OVERHEAD (6%)				1,122
TOTAL REQUEST				19,832
TOTAL REQUEST (ROUNDED)				20,000
10. Description of Proposed Construction: Construct a security forces and a base communications facility complex utilizing conventional design and construction methods to accommodate the mission of the facility. Facility will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (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: Security forces combat arms simulator area should have at least a 9 foot ceiling height and no windows and include dimmable lighting. Air Conditioning: 245 KW.				
11. REQUIREMENT: 2,620 SM ADEQUATE: 0 SM SUBSTANDARD: 1,820 SM PROJECT: Replace Security Forces and Communications Training Facility (Current Mission) REQUIREMENT: The installation requires a properly sited, adequately sized, and appropriately configured security forces, communication, and fitness facility to support 4 PAA HC-130 and 5 PAA HH-60 aircraft supporting rescue and rescue training missions. Security forces areas shall include operations, an alternate command post, combat arms training, weapons vault, armory, and simulator areas. Combat arms simulator shall support eight (8) firing positions, associated space for instructors, and required storage. Communications areas will house telecommunications functions, office space, computer maintenance and storage, top secret crypto room, mail room, and base network and phone control systems with uninterruptable power and emergency HVAC as necessary. Audiovisual space provided will support the production, filing, and presentation of audio/visual materials, graphic arts, and visual aid products used in training, briefings, and similar activities. Fitness center shall be sized to support the needs of the 106th Rescue Wing. Provide restrooms and break areas.				

1. COMPONENT ANG	FY 2019 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE Feb 2018																												
3. INSTALLATION AND LOCATION FRANCIS S. GABRESKI AIRPORT, NEW YORK																														
5. PROJECT TITLE SECURITY FORCES/COMMUNICATION TRAINING FACILITY	7. PROJECT NUMBER WKVB109058																													
<p>CURRENT SITUATION: The base communication and security forces functions are housed in building 250. It is over 60 years old and was originally constructed as a warehouse facility. It houses the main communications switch and servers for the installation's telephone and computer networks. The facility also contains the central security control center for the installation, which monitors security systems including the gates and flightline areas. These key nodes are located within 15 meters (50 feet) of the base perimeter and are immediately adjacent to the main north-south public highway for the eastern part of Long Island whereas standoff for force protection requires 40 meters (131 feet). Because of non-compliance the facility cannot be upgraded and must be replaced. Additionally, the building is in disrepair with most the utilities and other building systems have surpassed their economic life. Mechanical and plumbing systems work marginally at best and some restrooms have been permanently closed as they cannot be economically repaired. The facility has not had a substantial interior renovation in over 30 years. Finally, building 250 will continue to incur excessive operating costs averaging \$63,000 annually due to poor energy efficiency and mechanical failures.</p> <p>IMPACT IF NOT PROVIDED: An old, inefficient, oversized, and resource intensive facility with major force protection liabilities will continue in service indefinitely. Serious potential will remain for a single point failure of command and control systems negatively impacting the entire installation's ability to meet its rescue and training missions. Efficiencies of operation would not be realized as a facility that is ill configured, energy inefficient, and in continual disrepair would remain in service. Overall reduction in physical plant footprint would not occur.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in Air National Guard Handbook 32-1084, "Facility Requirements" and is in compliance with the base master plan. Antiterrorism/Force Protection requirements have been considered in the development of this project. Project will incorporate energy and sustainability measures and development concepts, so as to achieve optimum resource efficiency, constructability, sustainability, and energy conservation, while minimizing adverse impacts to the built and natural environments through all phases of its life cycle. This may result in primary facility costs exceeding DoD costing standards, but the initial investment in higher acquisition cost will be rewarded with lower life cycle costs. This is consistent with the requirements of the Energy Policy Act of 2005 (EPAct05) and Executive Order 13423. New Air Force planning factors encourages Central Security Control (CSC) collocation with the Fire Department Alarm room so consideration to building the CSC in proximity is appropriate. All known alternatives/options were considered during the development of this project. The AT/FP site restriction precludes the upgrade of the building and the relocation is the only option. 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. This project is considered capitalization based on the following rule from ANGETL 17-06: New Construction.</p> <table border="1" data-bbox="235 1711 1412 1942"> <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>532 SM</td> </tr> <tr> <td>141-383 AUDIO VISUAL/GRAPHICS FACILITY</td> <td>186 SM</td> <td>0 SM</td> <td>182 SM</td> </tr> <tr> <td>730-835 SECURITY FORCES (SF) OPERATION</td> <td>929 SM</td> <td>0 SM</td> <td>980 SM</td> </tr> <tr> <td>171-476 COMBAT ARMS TRNG & MAINT (CAT</td> <td>167 SM</td> <td>0 SM</td> <td>37 SM</td> </tr> <tr> <td>179-475 COMBAT ARMS TRNG & MAINT (CAT</td> <td>111 SM</td> <td>0 SM</td> <td>88 SM</td> </tr> <tr> <td>740-674 PHYSICAL FITNESS CENTER</td> <td>279 SM</td> <td>0 SM</td> <td>0 SM</td> </tr> </tbody> </table>			CatCode	Requirement	Adequate	Substandard	131-111 TELECOMMUNICATIONS FACILITY	948 SM	0 SM	532 SM	141-383 AUDIO VISUAL/GRAPHICS FACILITY	186 SM	0 SM	182 SM	730-835 SECURITY FORCES (SF) OPERATION	929 SM	0 SM	980 SM	171-476 COMBAT ARMS TRNG & MAINT (CAT	167 SM	0 SM	37 SM	179-475 COMBAT ARMS TRNG & MAINT (CAT	111 SM	0 SM	88 SM	740-674 PHYSICAL FITNESS CENTER	279 SM	0 SM	0 SM
CatCode	Requirement	Adequate	Substandard																											
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1. COMPONENT ANG	FY 2019 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE Feb 2018
3. INSTALLATION AND LOCATION FRANCIS S. GABRESKI AIRPORT, NEW YORK		
5. PROJECT TITLE SECURITY FORCES/COMMUNICATION TRAINING FACILITY	7. PROJECT NUMBER WKVB109058	
<p>SECURITY FORCES (730835) 1,208 SM = 13,000 SF</p> <p>BASE COMMUNICATIONS (131111) 1,133 SM = 12,200 SF</p> <p>PHYSICAL FITNESS (740674) 279 SM = 3,000 SF</p>		

1. COMPONENT ANG	FY 2019 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE Feb 2018
3. INSTALLATION AND LOCATION FRANCIS S. GABRESKI AIRPORT, NEW YORK		
5. PROJECT TITLE SECURITY FORCES/COMMUNICATION TRAINING FACILITY		7. PROJECT NUMBER WKVB109058
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		JAN 2017
(b) Parametric Cost Estimates used to develop costs		No
(c) Percent Complete as of Jan 18		50%
* (d) Date 35% Designed		NOV 2017
(e) Date Design Complete		APR 2018
(f) Type of Design Contract		Standard
(g) Energy Study/Life-Cycle analysis was/will be performed		No
(2) Basis:		
(a) Standard or Definitive Design -		No
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		1,200
(b) All Other Design Costs		120
(c) Total		1,320
(d) Contract		1,320
(e) In-House		
(4) Contract Award (Month/Year)		MAR 2019
(5) Construction Start		MAY 2019
(6) Construction Completion		MAY 2021
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: YES		
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FY APPROPRIATED OR REQUESTED
Communications Switch	0	COST (\$000) 0
POINT OF CONTACT: NGB / A4AD (240) 612-8070		

1. COMPONENT ANG	FY 2019 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE Feb 2018																		
3. INSTALLATION AND LOCATION FT INDIANTOWN GAP ANG STATION, ANNVILLE		4. AREA CONSTR COST INDEX 1.05																		
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training. Forty weeks of class instruction conducted by the Regional Equipment Operations Training School (REOTS) and Lightning Force School																				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS 1 Army Reserve Center and 1 Air National Guard Unit																				
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 colspan="2" style="text-align: left; border-bottom: 1px solid black;">DESIGN STATUS</th> </tr> <tr> <th></th> <th></th> <th></th> <th></th> <th style="text-align: left; border-bottom: 1px solid black;">START</th> <th style="text-align: left; border-bottom: 1px solid black;">COMPLETE</th> </tr> </thead> <tbody> <tr> <td>171-445</td> <td>Replace Operations Training/Dining Hall</td> <td>1,579 SM (17,000 SF)</td> <td>8,000</td> <td>Nov 17</td> <td>Aug 18</td> </tr> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	DESIGN STATUS						START	COMPLETE	171-445	Replace Operations Training/Dining Hall	1,579 SM (17,000 SF)	8,000	Nov 17	Aug 18
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8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: Unilateral Construction Approved <div style="text-align: right; margin-right: 100px;"><u>22 Dec 15</u> (Date)</div>																				
9. LAND ACQUISITION REQUIRED <div style="text-align: right; margin-right: 100px;"><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; 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 colspan="4" style="padding-top: 20px;">R&M Unfunded Requirements: \$735,000.</td> </tr> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	R&M Unfunded Requirements: \$735,000.													
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1. COMPONENT ANG	FY 2019 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE Feb 2018		
3. INSTALLATION AND LOCATION FT INDIANTOWN GAP ANG STATION, ANNVILLE							
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	110	14	96	0	605	45	560
ACTUAL	104	12	92	0	505	33	472
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>			<u>STRENGTH</u>			
		<u>AUTHORIZED</u>			<u>ACTUAL</u>		
	201 Red Horse Squadron	232			190		
	193 RSG	13			6		
	148 Air Support Operations Squadron	78			63		
	203 Weather Flight	15			11		
	211 Engineering Installation Squadron	112			94		
	271 Combat Communications Squadron	105			96		
	533 Air Force Band	40			37		
	193 DET1	10			8		
	TOTALS	<u>605</u>			<u>505</u>		
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>			<u>AUTHORIZED</u>			<u>ACTUAL</u>
	Vehicles			317			304

1. COMPONENT ANG	FY 2019 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE Feb 2018	
3. INSTALLATION AND LOCATION FT INDIANTOWN GAP ANG STATION, PENNSYLVANIA			4. PROJECT TITLE REPLACE OPERATIONS TRAINING/DINING HALL		
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 171-445	7. PROJECT NUMBER LKLW099101	8. PROJECT COST(\$000) \$8,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
OPERATIONS AND TRAINING AND DINING HALL		SM	1,580		5,374
DINING HALL AREA (722351)		SM	697	3,401	(2,370)
OPERATIONS AND TRAINING AREA (171445)		SM	883	3,401	(3,003)
SUPPORTING FACILITIES		LS			1,689
UTILITIES		LS			(370)
PAVEMENTS		LS			(260)
SITE IMPROVEMENTS		LS			(160)
COMMUNICATIONS SUPPORT		LS			(140)
KITCHEN EQUIPMENT		LS			(315)
DRAINAGE IMPROVEMENTS		LS			(130)
DEMOLITION/ASBESTOS REMOVAL		SM	1,417	172	(244)
FIRE PROTECTION SUPPORT		LS			(70)
SUSTAINABILITY AND ENERGY MEASURES		LS			125
SUBTOTAL					7,188
CONTINGENCY (5%)					359
TOTAL CONTRACT COST					7,547
SUPERVISION, INSPECTION AND OVERHEAD (6%)					452
TOTAL REQUEST					7,999
TOTAL REQUEST (ROUNDED)					8,000
10. Description of Proposed Construction: Construct an operations and training/dining hall 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: Interior walls and utilities to support open-office configured facility. Dining Hall area will be constructed for ease of multi-purpose use. Exterior work includes: access roads and pavements, utility extensions, communications support, fire protection systems and site improvements and support. Demolish 4 buildings and landscape the sites. Air Conditioning: 525 KW.					
11. REQUIREMENT: 1,580 SM ADEQUATE: 0 SM SUBSTANDARD: 1,417 SM PROJECT: Replace Operations and Training and Dining Hall Facilities (Current Mission) REQUIREMENT: The Fort Indiantown Gap Air Guard Station requires facilities that are adequately sized, correctly sited, properly configured and equipped to support administrative operations and messing for the units of the 201st Red Horse and associated training organizations. These include the Civil Engineering Regional Training Site (RTS), the Regional Equipment Operator Training School (REOTS), the 271st Combat Communications Squadron (CBCS), the 148th Air Support Operations Squadron, the 203rd Weather Flight, Lightning Force Academy (LFA), the 193rd SOW Det 1 Air to Ground Range (DET1), and the 211th Engineering Installation Squadron (EIS). Operations and training space includes headquarters functions, recruiting, personnel and training; dining facilities include dining area, serving line, clipper room, food receiving, storage, training, administration,					

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<p>storage, planning, conference room, and restroom/locker rooms. Consolidating functions provides for efficiencies of use and energy, and is an optimal use of limited installation acreage.</p> <p><u>CURRENT SITUATION:</u> The current facilities do not provide effective/efficient spaces for the operational and training mission. The functions are dispersed in multiple aging, inefficient, unsafe facilities. The existing buildings are temporary, 1940's era construction and do not provide the required space for the functions to effectively support the training mission. The buildings are undersized and poorly configured, have inadequate and undersized utilities support, have inadequate fire protection, insulation, heating and electrical systems which all contribute to wasted energy. These wooden facilities are severe fire hazards and continue to rapidly deteriorate. Based on a cost and feasibility study, it was determined that constructing one facility that combines the requirements of the Operations and Training areas and the base Dining Facility will be more efficient. This would be accomplished, for example, by using the dining area for training space when the Dining Facility is not in service. <u>IMPACT IF NOT PROVIDED:</u> Several installation buildings will not be demolished and will continue to require extensive repairs to keep them in minimal operating condition with escalating maintenance costs. Efficiencies in space, energy, and command and control will not be realized. Personnel continue to be at risk to health, safety and fire hazards. The 201st RHS and 271st CBCS and Services personnel will continue to operate in areas non-conducive to training and mission readiness. Energy reduction goals will not be met.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in the ANG Handbook 32-1084, "Facility Requirements" and is in compliance with the approved Base Master Plan. Force protection requirements have been addressed. This project is considered a "primary gathering" building and meets the standoff distance requirements. There is minimal threat and the level of protection is low, so minimum construction standards have been applied. This project will permit the following buildings to be demolished: 1023 (439 SM / 4720 SF), 1027 (384 SM / 4138 SF), 1040 (340 SM / 3663) and 2020 (254 SM / 2729 SF) for a total of 1,417 SM (15,250 SF). 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. This project is considered capitalization based on the following rule from ANGETL 17-06: New Construction.</p> <table border="0" data-bbox="235 1612 1412 1711"> <thead> <tr> <th>CatCode</th> <th>Requirement</th> <th>Adequate</th> <th>Substandard</th> </tr> </thead> <tbody> <tr> <td>722-351 DINING FACILITY</td> <td>790 SM</td> <td>0 SM</td> <td>384 SM</td> </tr> <tr> <td>171-445 RESERVE FORCES O&T FACILITY</td> <td>790 SM</td> <td>0 SM</td> <td>1,032 SM</td> </tr> </tbody> </table> <table border="0" data-bbox="211 1780 1331 1879"> <tr> <td>DINING HALL AREA (722351)</td> <td>697 SM = 7,500 SF</td> </tr> <tr> <td>OPERATIONS AND TRAINING AREA (171445)</td> <td>883 SM = 9,500 SF</td> </tr> <tr> <td>DEMOLITION/ASBESTOS REMOVAL</td> <td>1,417 SM = 15,250 SF</td> </tr> </table>			CatCode	Requirement	Adequate	Substandard	722-351 DINING FACILITY	790 SM	0 SM	384 SM	171-445 RESERVE FORCES O&T FACILITY	790 SM	0 SM	1,032 SM	DINING HALL AREA (722351)	697 SM = 7,500 SF	OPERATIONS AND TRAINING AREA (171445)	883 SM = 9,500 SF	DEMOLITION/ASBESTOS REMOVAL	1,417 SM = 15,250 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>NOV 2017</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 18</td> <td>35%</td> </tr> <tr> <td>* (d) Date 35% Designed</td> <td>JAN 2018</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>AUG 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>490</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>322</td> </tr> <tr> <td>(c) Total</td> <td>812</td> </tr> <tr> <td>(d) Contract</td> <td>812</td> </tr> <tr> <td>(e) In-House</td> <td></td> </tr> </table> <p>(4) Contract Award (Month/Year) NOV 2018</p> <p>(5) Construction Start JAN 2019</p> <p>(6) Construction Completion JAN 2020</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) 612-8070</p>			(a) Date Design Started	NOV 2017	(b) Parametric Cost Estimates used to develop costs	No	(c) Percent Complete as of Jan 18	35%	* (d) Date 35% Designed	JAN 2018	(e) Date Design Complete	AUG 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	490	(b) All Other Design Costs	322	(c) Total	812	(d) Contract	812	(e) In-House	
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3. INSTALLATION AND LOCATION JOINT BASE LANGLEY-EUSTIS, HAMPTON				4. AREA CONSTR COST INDEX .91																			
5. FREQUENCY AND TYPE OF UTILIZATION 192nd Fighter Wing																							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS																							
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8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are:				<u>04 Feb 16</u> (Date)																			
9. LAND ACQUISITION REQUIRED				<u>None</u> (Number of Acres)																			
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3. INSTALLATION AND LOCATION JOINT BASE LANGLEY-EUSTIS, HAMPTON							
11. PERSONNEL STRENGTH AS OF 06 Apr 17							
		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	323	16	74	233	1,126	131	995
ACTUAL	299	16	71	212	1,033	122	911
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>		<u>STRENGTH</u>		<u>ACTUAL</u>	
	192 Fighter Wing	51				54	
	192 Medical Squadron	72				74	
	192 Maintenance Operations Flight	170				174	
	192 Logistics Squadron	107				101	
	192 Communication Flight	42				49	
	192 Mission Support Flight	28				82	
	192 Mission Support Group	9				8	
	192 Operations Flight	31				27	
	192 Operations Group	3				3	
	192 Operations Support Flight	24				24	
	192 Security Forces Squadron	73				85	
	192 Services Flight	29				30	
	VA HQ	29				29	
	149 Fighter Squadron	41				38	
	192 Civil Engineering Squadron	93				95	
	192 Logistics Group	21				20	
	TOTALS	823				893	
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ACTUAL</u>			
	Support Equipment						
	Vehicle Equivalents						

1. COMPONENT ANG	FY 2019 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE Feb 2018
3. INSTALLATION AND LOCATION JOINT BASE LANGLEY-EUSTIS, VIRGINIA			4. PROJECT TITLE CONSTRUCT CYBER OPS FACILITY	
5. PROGRAM ELEMENT 53056F	6. CATEGORY CODE 171-447	7. PROJECT NUMBER MUHJ179000	8. PROJECT COST(\$000) \$10,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CONSTRUCT CYBER OPERATIONS FACILITY	SM	966		7,412
CONSTRUCT CYBER ADMINISTRATION (171447)	SM	455	4,370	(1,988)
CONSTRUCT CYBER SCIF (171447)	SM	511	10,613	(5,423)
SUPPORTING FACILITIES				1,470
PILE FOUNDATION	LS			(366)
UTILITIES	LS			(122)
PAVEMENTS	LS			(30)
SITE IMPROVEMENTS AND FENCING	LS			(37)
EMERGENCY POWER GENERATION AND SWITCH	LS			(305)
COMMUNICATIONS ALLIED SUPPORT	LS			(610)
ENERGY AND SUSTAINABILITY MEASURES	LS			146
SUBTOTAL				9,028
CONTINGENCY (5%)				451
TOTAL CONTRACT COST				9,479
SUPERVISION, INSPECTION AND OVERHEAD (6%)				568
TOTAL REQUEST				10,047
TOTAL REQUEST (ROUNDED)				10,000
10. Description of Proposed Construction: Construct a Cyber Operations 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: Provide for pile foundation and secure compartmentalized information areas (SCIF) with capability to handle extensive computer and communications equipment use and support. Provide supplemental security fencing and emergency generator and switch gear. Air Conditioning: 350 KW.				
11. REQUIREMENT: 966 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM PROJECT: Construct Cyber Operations Facility (New Mission) REQUIREMENT: The 192d Fighter Wing requires an adequately sized and configured Sensitive Compartmented Information Facility (SCIF) and operational support area to conduct training and operations for the Wing's new 185th Cyberspace Operations Squadron (COS). The Full Operational Capability (FOC) facility is required to be housed on Joint Base Langley-Eustis. The COS requires this space to meet ANG mobilization requirements as a Cyber Protection Team (CPT) in support of United States Cyber Command (USCC) tasking's. The functional space areas include the Squadron Operations Center (SOC), training/testing, conference/meeting, support, and cyber operations. CURRENT SITUATION: There currently is no suitable location on Joint Base Langley-Eustis in which to house this mission. The need for specialized space means that not every facility would be appropriate to house this mission. This mission is a new mission to the Virginia Air National Guard and to Joint Base Langley-Eustis so it is additive to the missions bedded down at the installation.				

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3. INSTALLATION AND LOCATION JOINT BASE LANGLEY-EUSTIS, VIRGINIA																														
5. PROJECT TITLE CONSTRUCT CYBER OPS FACILITY		7. PROJECT NUMBER MUHJ179000																												
<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 2017</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 2018</td> <td>6%</td> </tr> <tr> <td>* (d) Date 35% Designed</td> <td>APR 2018</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>OCT 2018</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>\$470</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>\$270</td> </tr> <tr> <td>(c) Total</td> <td>\$740</td> </tr> <tr> <td>(d) Contract</td> <td>\$740</td> </tr> <tr> <td>(e) In-House</td> <td></td> </tr> </table> <p>(4) Contract Award (Month/Year) FEB 2019</p> <p>(5) Construction Start APR 2019</p> <p>(6) Construction Completion JAN 2020</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) 612-8070</p>			(a) Date Design Started	SEP 2017	(b) Parametric Cost Estimates used to develop costs	No	(c) Percent Complete as of Jan 2018	6%	* (d) Date 35% Designed	APR 2018	(e) Date Design Complete	OCT 2018	(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	\$470	(b) All Other Design Costs	\$270	(c) Total	\$740	(d) Contract	\$740	(e) In-House	
(a) Date Design Started	SEP 2017																													
(b) Parametric Cost Estimates used to develop costs	No																													
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(f) Type of Design Contract	Standard																													
(g) Energy Study/Life-Cycle analysis was/will be performed	YES																													
(a) Standard or Definitive Design -	No																													
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(d) Contract	\$740																													
(e) In-House																														

DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2019

APPROPRIATION: MILITARY CONSTRUCTION -- AIR NATIONAL GUARD

PROGRAM 313: PLANNING AND DESIGN \$18,500,000

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 2019 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE Feb 2018	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS			4. PROJECT TITLE PLANNING AND DESIGN		
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 961-000	7. PROJECT NUMBER PAYZ190005	8. PROJECT COST(\$000) \$18,500		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PLANNING AND DESIGN (P-313)		LS			18,500
SUBTOTAL					18,500
TOTAL CONTRACT COST					18,500
TOTAL REQUEST					18,500
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> The ANG requires planning and design funds for projects that are to be included in future MILCON programs. The FY 2019 design funds are needed to complete the design for those projects that are to be included in the FY 2019 MILCON program and to begin the design for those projects to be included in the FY 2020 program. Funds also provide for design of the FY 2019 unspecified minor construction program. <u>CURRENT SITUATION:</u> The ANG requires the design money in FY 2019 to ensure the design milestones for the FY 2019 and FY 2020 MILCON Programs, 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 future year MILCON programs. Insufficient design funds will translate into late design completion, later construction starts, higher construction costs, and the inability to meet DoD and Congressionally mandated execution rates, and degrade the operational mission and training by the delays in construction completion.					

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DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2019

APPROPRIATION: MILITARY CONSTRUCTION -- AIR NATIONAL GUARD
PROGRAM 341: UNSPECIFIED MINOR CONSTRUCTION \$23,626,000

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 \$2,000,000 but not exceeding \$6,000,000, 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 2019 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE Feb 2018	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS			4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION		
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 962-000	7. PROJECT NUMBER PAYZ190006	8. PROJECT COST(\$000) \$23,626		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UNSPECIFIED MINOR CONSTRUCTION (P-341)		LS			23,626
SUBTOTAL					23,626
TOTAL CONTRACT COST					23,626
TOTAL REQUEST					23,626
10. Description of Proposed Construction: Provides funding for unspecified minor construction projects not otherwise authorized by law and having a funded cost between \$2,000,000 and \$6,000,000. 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 \$2,000,000, but not exceeding \$6,000,000. 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 urgent 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 \$2,000,000 to \$6,000,000 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 2019**

SECTION III

FUTURE YEARS DEFENSE PLAN (FYDP)

FISCAL YEAR LISTING

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

Component	FY	APPN	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount (\$000)	Change from FY19 PB	Explanation of Changes	Footprint
Guard	2020	3830	XDOU106057	Savannah/Hilton Head IAP	GA	Consolidate MX Hangar/Shops Joint Air Dominance	52276F	211-111	20,000		TAG #1 MILCON for FY19	New
Guard	2020	3830	RQLH189009	Naval Air Station Joint Reserve Base	LA	NORTHCOM - Construct Alert Facilities	52276F	141-183	24,000			New
Guard	2020	3830	AXOD049060	Barnes Municipal Airport	MA	Replace Engine, ASE and NDI Shops	52276F	211-157	10,000		State #1 FY19 MILCON priority	
Guard	2020	3830	ULYB169010	Rosecrans Memorial Airport	MO	Construct C-130H Simulator Facility	54332F	171-212	7,000			New
Guard	2020	3830	FWJH79054	Ellington Field	TX	Construct Small Arms Range	52276F	179-475	8,000			
Guard	2020	3830	PAYZ200006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	15,554			
Guard	2020	3830	PAYZ200005	Unspecified	VL	Planning and Design	52276F	961-000	12,280			
Guard	2020	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
						TOTAL MAJOR CONSTRUCTION			129,834			
Component	FY	APPN	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount (\$000)	Change from FY19 PB	Explanation of Changes	Footprint
Guard	2021	3830	CRWU139039	Buckley Air Force Base	CO	Construct Corrosion Control/Modify Fuel Cell Hangar	52276F	211-159	12,000		State #1 FY19 MILCON priority	New
Guard	2021	3830	LRXQ109002	Jackson International Airport	MS	Fire Crash and Rescue Station	52276F	130-142	9,000		State #1 FY19 MILCON priority	
Guard	2021	3830	GRCL169016	Eastern Air Defense Sector (EADS) ANG	NY	NORTHCOM-Mission Training Complex	51311F	141-489	5,000			
Guard	2021	3830	VBDZ179043	Schenectady County Airport	NY	Construct C-130 Flight Simulator Facility	54332F	171-212	8,300			
Guard	2021	3830	PBXP25798	Mansfield Lahm Airport	OH	Replace Fire Station	52276F	130-142	12,000		State #2 FY19 MILCON priority	New

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 FY18 PB	Explanation of Changes	Footprint
Guard	2021	3830	NLZG062104	Rickenbacker International Airport (ANG)	OH	Construct Small Arms Range	52276F	179-475	8,000		State #4 FY19 MILCON priority	
Guard	2021	3830	PAYZ210005	Unspecified	VL	Planning and Design	52276F	961-000	10,500			
Guard	2021	3830	PAYZ210006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	13,126			
Guard	2021	3830	AAAA209001	VARIOUS LOCATIONS	VS	F-35 Ops 6 Beddown	52635F	211-111	75,000		New Mission for F-35	New
						TOTAL MAJOR CONSTRUCTION			152,926			
Component	FY	APPN	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount (\$000)	Change from FY18 PB	Explanation of Changes	Footprint
Guard	2022	3830	XHEA109012	Tucson International airport	AZ	Construct Base Entry Complex	52276F	730-839	6,000		State #2 FY19 MILCON priority	New
Guard	2022	3830	TDV/G029067	Alpena County Regional Airport	MI	Replace Aircraft Maintenance Hangar/Shops	52276F	211-111	20,000		State #1 FY19 MILCON priority	New
Guard	2022	3830	AQRC169009	Atlantic City International Airport	NJ	Construct Main Gate Complex	52276F	730-837	6,000		State #1 FY19 MILCON priority	New
Guard	2022	3830	TWLR159090	Quonset State Airport	RI	Operations Training and Combat Comm Facility	52276F	171-445	23,000		State #1 FY19 MILCON priority	Existing
Guard	2022	3830	PAYZ220005	Unspecified	VL	Planning and Design	52276F	961-000	10,052			
Guard	2022	3830	PAYZ220006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	11,834			
Guard	2022	3830	AAAA199001	VARIOUS LOCATIONS	VS	F-35 Ops 5 Beddown	52635F	211-111	50,000		New Mission for F-35	New
Guard	2022	3830	XGFG139001	Dane County Regional-Truax Field	WI	ADAL Bldg 500 for Medical Training	52276F	171-450	8,000	1,000	State #1 FY19 MILCON priority	New
Guard	2022	3830	DPEZ019000	Cheyenne Regional Airport	WY	Replace Vehicle Maintenance Complex	52276F	214-425	8,000		State #1 FY19 MILCON priority	New
						TOTAL MAJOR CONSTRUCTION			142,886			

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 FY19 PB	Explanation of Changes	Footprint
Guard	2023	3830	BRKR009063	Birmingham International Airport	AL	Security and Services Training Facility	52276F	730-835	7,500		State #2 FY19 MILCON priority	New
Guard	2023	3830	SAKW109201	Northwest Field-Anderson AFB	GU	RED HORSE Operational Facility	52276F	171-445	7,400		TAG #1 FY19 MILCON priority	New
Guard	2023	3830	BXRH019091	Boise Air Terminal(Gowan Field)	ID	Operations, Training and Medical Training Facility	52276F	171-445	11,600		State #1 FY19 MILCON priority	Existing
Guard	2023	3830	MBMV099170	W. K. Kellogg Airport	MI	Construct Main Base Entrance	52276F	730-839	7,000		State #3 FY19 MILCON priority	New
Guard	2023	3830	JKSE169101	Great Falls International Airport	MT	Construct Aircraft Apron	52276F	113-321	9,000		State #1 FY19 MILCON priority	New
Guard	2023	3830	KKGA169022	Hector International Airport	ND	Consolidated RPA/ISR Operations Facility	52276F	141-753	8,800			New
Guard	2023	3830	PSXE139013	McGhee Tyson Airport	TN	Construct KC-135 Support Shops	52276F	218-712	16,500		State #1 FY19 MILCON priority	
Guard	2023	3830	PAYZ230005	Unspecified	VL	Planning and Design	52276F	961-000	12,192			
Guard	2023	3830	PAYZ230006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	17,103			
Guard	2023	3830	ETRD169847	Camp Murray ANG Station	WA	Construct ASOG Complex	52276F	141-454	24,000		State #1 FY19 MILCON priority	New
						TOTAL MAJOR CONSTRUCTION			121,095			

**DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2019**

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 FY18 PB	Explanation of Changes	Footprint
Guard	2023	3830	BRKR009063	Birmingham International Airport	AL	Security and Services Training Facility	52276F	730-835	7,500		State #2 FY19 MILCON priority	New
Guard	2022	3830	XHEA109012	Tucson International airport	AZ	Construct Base Entry Complex	52276F	730-839	6,000		State #2 FY19 MILCON priority	New
Guard	2021	3830	CRWU139039	Buckley Air Force Base	CO	Construct Corrosion Control/Modify Fuel Cell Hangar	52276F	211-159	12,000		State #1 FY19 MILCON priority	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 FY19	New
Guard	2023	3830	SAKW109201	Northwest Field-Anderson AFB	GU	RED HORSE Operational Facility	52276F	171-445	7,400		TAG #1 FY19 MILCON priority	New
Guard	2023	3830	BXRH019091	Boise Air Terminal(Gowan Field)	ID	Operations, Training and Medical Training Facility	52276F	171-445	11,600		State #1 FY19 MILCON priority	Existing
Guard	2020	3830	RQLH189009	Naval Air Station Joint Reserve Base	LA	NORTHCOM - Construct Alert Facilities	52276F	141-183	24,000			New
Guard	2020	3830	AXOD049060	Barnes Municipal Airport	MA	Replace Engine, ASE and NDI Shops	52276F	211-157	10,000		State #1 FY19 MILCON priority	

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 FY18 PB	Explanation of Changes	Footprint
Guard	2022	3830	TDV/G029067	Alpena County Regional Airport	MI	Replace Aircraft Maintenance Hangar/Shops	52276F	211-111	20,000		State #1 FY19 MILCON priority	New
Guard	2023	3830	MBMV099170	W. K. Kellogg Airport	MI	Construct Main Base Entrance	52276F	730-839	7,000		State #3 FY19 MILCON priority	New
Guard	2020	3830	ULYB169010	Rosecrans Memorial Airport	MO	Construct C-130H Simulator Facility	54332F	171-212	7,000			New
Guard	2021	3830	LXQJ09002	Jackson International Airport	MS	Fire Crash and Rescue Station	52276F	130-142	9,000		State #1 FY19 MILCON priority	
Guard	2023	3830	JKSE169101	Great Falls International Airport	MT	Construct Aircraft Apron	52276F	113-321	9,000		State #1 FY19 MILCON priority	New
Guard	2023	3830	KKGA169022	Hector International Airport	ND	Consolidated RPA/ISR Operations Facility	52276F	141-753	8,800			New
Guard	2022	3830	AQRCL69009	Atlantic City International Airport	NJ	Construct Main Gate Complex	52276F	730-837	6,000		State #1 FY19 MILCON priority	New
Guard	2021	3830	GRCL169016	Eastern Air Defense Sector (EADS) ANG	NY	NORTHCOM/Mission Training Complex	51311F	141-489	5,000			
Guard	2021	3830	VBDZ179043	Schenectady County Airport	NY	Construct C-130 Flight Simulator Facility	54332F	171-212	8,300			

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 FY18 PB	Explanation of Changes	Footprint
Guard	2021	3830	PBXP929798	Mansfield Lahm Airport	OH	Replace Fire Station	52276F	130-142	12,000		State #2 FY19 MILCON priority	New
Guard	2021	3830	NLZG062104	Rickenbacker International Airport (ANG)	OH	Construct Small Arms Range	52276F	179-475	8,000		State #4 FY19 MILCON priority	
Guard	2022	3830	TWLR159090	Quonset State Airport	RI	Operations Training and Combat Comm Facility	52276F	171-445	23,000		State #1 FY19 MILCON priority	Existing
Guard	2023	3830	PSXE139013	McGhee Tyson Airport	TN	Construct KC-135 Support Shops	52276F	218-712	16,500		State #1 FY19 MILCON priority	
Guard	2020	3830	FWJH179054	Ellington Field	TX	Construct Small Arms Range	52276F	179-475	8,000			
Guard	2020	3830	PAYZ200006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	15,554			
Guard	2020	3830	PAYZ200005	Unspecified	VL	Planning and Design	52276F	961-000	12,280			
Guard	2021	3830	PAYZ210005	Unspecified	VL	Planning and Design	52276F	961-000	10,500			
Guard	2021	3830	PAYZ210006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	13,126			
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Guard	2022	3830	PAYZ220006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	11,834			
Guard	2023	3830	PAYZ230005	Unspecified	VL	Planning and Design	52276F	961-000	12,192			

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 FY18 PB	Explanation of Changes	Footprint
Guard	2023	3830	PAYZ230006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	17,103			
Guard	2020	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
Guard	2021	3830	AAAA209001	VARIOUS LOCATIONS	VS	F-35 Ops 6 Beddown	52635F	211-111	75,000		New Mission for F-35	New
Guard	2022	3830	AAAA199001	VARIOUS LOCATIONS	VS	F-35 Ops 5 Beddown	52635F	211-111	50,000		New Mission for F-35	New
Guard	2023	3830	ETRD169847	Camp Murray ANG Station	WA	Construct ASOG Complex	52276F	141-454	24,000		State #1 FY19 MILCON priority	New
Guard	2022	3830	XGFG139001	Dane County Regional-Truax Field	WI	ADAL Bldg 500 for Medical Training	52276F	171-450	8,000	1,000	State #1 FY19 MILCON priority	New
Guard	2022	3830	DPEZ019000	Cheyenne Regional Airport	WY	Replace Vehicle Maintenance Complex	52276F	214-425	8,000		State #1 FY19 MILCON priority	New

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