

# **AIR NATIONAL GUARD**

**Fiscal Year (FY) 2023  
BUDGET ESTIMATES**



**MILITARY CONSTRUCTION BUDGET  
ESTIMATES PROGRAM YEAR 2023**

**Justification Data Submitted to Congress**

**April 2022**



**DEPARTMENT OF THE AIR FORCE  
AIR NATIONAL GUARD  
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2023**

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**SUMMARY PROJECT LIST  
AIR NATIONAL GUARD  
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2023**

<b>STATE</b>	<b>INSTALLATION AND PROJECT</b>	<b>AUTH AMOUNT (\$000)</b>	<b>APPN AMOUNT (\$000)</b>	<b>PAGE NO.</b>
<b>ALABAMA</b>	<b>Birmingham International Airport</b> Security and Services Training Facility	<u>7,500</u> <b>7,500</b>	<u>7,500</u> <b>7,500</b>	<b>II-1</b>
<b>ARIZONA</b>	<b>Tucson International Airport</b> Land Acquisition	<u>10,000</u> <b>10,000</b>	<u>10,000</u> <b>10,000</b>	<b>II-7</b>
<b>FLORIDA</b>	<b>Jacksonville International Airport</b> F-35 Construct Flight Simulator Facility	<u>22,200</u> <b>22,200</b>	<u>22,200</u> <b>22,200</b>	<b>II-12</b>
<b>INDIANA</b>	<b>Fort Wayne International Airport</b> Munitions Maintenance & Storage Complex	<u>12,800</u> <b>12,800</b>	<u>12,800</u> <b>12,800</b>	<b>II-17</b>
<b>TENNESSEE</b>	<b>McGhee Tyson Airport</b> KC-135 Maintenance Shops	<u>23,800</u> <b>23,800</b>	<u>23,800</u> <b>23,800</b>	<b>II-22</b>
	<b>SUB-TOTAL -- MAJOR CONSTRUCTION</b>	<u><b>76,300</b></u>	<u><b>76,300</b></u>	
	<b>PLANNING AND DESIGN</b>		<b>28,412</b>	<b>II-28</b>
	<b>UNSPECIFIED MINOR CONSTRUCTION</b>		<b>44,171</b>	<b>II-30</b>
	<b>SUB - TOTAL -- SUPPORT COSTS</b>		<u><b>72,583</b></u>	
	<b>GRAND TOTAL - FY 2023 REQUEST</b>	<b>76,300</b>	<b>148,883</b>	

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**NEW MISSION/CURRENT MISSION EXHIBIT  
AIR NATIONAL GUARD  
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2023**

<b>LOCATION</b>	<b>PROJECT</b>	<b>COST (\$000)</b>	<b>CURRENT/ NEW/ENV</b>
<b>Birmingham International Airport, AL</b>	Security and Services Training Facility	7,500	C
<b>Tuscon International Airport, Airport, AZ</b>	Land Acquisition	10,000	C
<b>Jacksonville International Airport, FL</b>	F-35 Construct Flight Simulator Facility	22,200	N
<b>Fort Wayne International Airport, IN</b>	Munitions Maintenance & Storage Complex	12,800	C
<b>McGhee Tyson Airport, TN</b>	KC-135 Maintenance Shops	23,800	C
	<b>PLANNING AND DESIGN</b>	<b>28,412</b>	
	<b>UNSPECIFIED MINOR CONSTRUCTION</b>	<b>44,171</b>	
	<b>TOTAL ENERGY</b>	<b>0</b>	
	<b>TOTAL ENVIRONMENTAL</b>	<b>0</b>	
	<b>TOTAL NEW MISSION (1)</b>	<b>22,200</b>	
	<b>TOTAL CURRENT MISSION (4)</b>	<b>54,100</b>	
	<b>GRAND TOTAL - FY 2023 REQUEST</b>	<b>148,883</b>	

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**DEPARTMENT OF THE AIR FORCE  
AIR NATIONAL GUARD  
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2023**

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**SECTION I**

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**APPROPRIATIONS LANGUAGE**

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Air National Guard, and contributions therefore, as currently authorized by law, \$148,883,000 to remain available until September 30, 2027: Provided that, of the amount, not to exceed \$28,412,000 shall be available for study, planning, design, and architect and engineer services, as authorized by law, unless the Director of the Air National Guard determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of the determination and the reasons therefore.

## **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 2023**

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**SECTION II**

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**PROJECT INSTALLATION / JUSTIFICATION DATA**

1. COMPONENT  ANG	<b>FY2023 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  APR 2022													
3. INSTALLATION AND LOCATION  Birmingham International Airport, AL		4. AREA CONSTR COST INDEX  0.8													
5. FREQUENCY AND TYPE OF UTILIZATION  One Unit Training Assemblies per month, 15 days annual field training per year, daily use by technician/AGR force/Active Duty for training.															
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS  9 Army National Guard Armories, three Army Reserve, one Marine and Naval Reserve Center															
7. PROJECTS REQUESTED IN THIS PROGRAM  <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CATEGORY CODE</th> <th style="text-align: left;">PROJECT TITLE</th> <th style="text-align: left;">SCOPE</th> <th style="text-align: left;">COST \$(000)</th> <th style="text-align: left;"><u>DESIGN STATUS</u> START</th> <th style="text-align: left;">COMPLETE</th> </tr> </thead> <tbody> <tr> <td>730-835</td> <td>Security and Services Training Facility</td> <td>2,090 SM (22,500 SF)</td> <td>7,500</td> <td>Mar 12</td> <td>Oct 21</td> </tr> </tbody> </table>				CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	<u>DESIGN STATUS</u> START	COMPLETE	730-835	Security and Services Training Facility	2,090 SM (22,500 SF)	7,500	Mar 12	Oct 21
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	<u>DESIGN STATUS</u> START	COMPLETE										
730-835	Security and Services Training Facility	2,090 SM (22,500 SF)	7,500	Mar 12	Oct 21										
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: Unilateral Construction Approved															
			<u>4/23/2020</u> (Date)												
9. LAND ACQUISITION REQUIRED			0 (Number of Acres)												
10. PROJECTS PLANNED IN NEXT FOUR YEARS  <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CATEGORY CODE</th> <th style="text-align: left;">PROJECT TITLE</th> <th style="text-align: left;">SCOPE</th> <th style="text-align: left;">COST \$(000)</th> </tr> </thead> <tbody> <tr> <td>730-837</td> <td>Reconfigure Main Gate</td> <td>161 SM (1,730 SF)</td> <td>3,100</td> </tr> </tbody> </table> <p style="margin-left: 40px;">R &amp; M Unfunded Requirement: \$4,535,000</p>				CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	730-837	Reconfigure Main Gate	161 SM (1,730 SF)	3,100				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)												
730-837	Reconfigure Main Gate	161 SM (1,730 SF)	3,100												

1. COMPONENT  ANG	<b>FY 2023 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  APR 2022
3. INSTALLATION AND LOCATION  Birmingham International Airport, AL		
11. PERSONNEL STRENGTH AS OF 02-Apr-20		
	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	209      16      160      33	835      112      723
ACTUAL	158      11      147      0	830      94      736
12. RESERVE UNIT DATA		
<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>	
	<u>AUTHORIZED</u>	<u>ACTUAL</u>
106 AIR REFUELING SQUADRON	60	47
117 AIR REFUELING WING	51	43
117 AIR REFUELING WING OL: 00T5	28	0
117 AIRCRAFT MAINT SQUADRON	58	53
117 CIVIL ENGINEER SQUADRON	93	96
117 COMMUNICATIONS FLIGHT	35	35
117 COMPTROLLER FLIGHT	12	10
117 FORCE SUPPORT SQUADRON	54	45
117 INTELLIGENCE SQUADRON	170	142
117 LOGISTICS READINES SQUADRON	101	103
117 MAINTENANCE GROUP	23	19
117 MAINTENANCE OPS FLIGHT	18	16
117 MAINTENANCE SQUADRON	141	143
117 MEDICAL GROUP	58	46
117 MISSION SUPPORT GROUP	14	12
117 OPERATIONS GROUP	9	8
117 OPERATIONS SUPPORT SQUADRON	39	37
117 SECURITY FORCES SQUADRON	80	65
117 STUDENT FLIGHT	0	68
Totals	1044	988
13. MAJOR EQUIPMENT AND AIRCRAFT		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>
KC-135R	9	
Vehicles	86	
Vehicle Equivalentents	246.2	
ASE Equipment	324	

1. COMPONENT ANG	FY 2023 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE APR 2022
3. INSTALLATION AND LOCATION BIRMINGHAM INTERNATIONAL AIRPORT, ALABAMA			4. PROJECT TITLE SECURITY AND SERVICES TRAINING FACILITY	
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 730-835	7. PROJECT NUMBER BRKR009063	8. PROJECT COST(\$000) \$7,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
SECURITY FORCES AND SERVICES	SM	2,090		5,768
SECURITY FORCE OPERATIONS AREA (730835)	SM	892	2,300	( 2,462)
CATS AREA (171475)	SM	111	2,300	( 306)
CATM AREA (171476)	SM	167	2,300	( 461)
SERVICES FLIGHT AREA (171443)	SM	455	2,300	( 1,256)
HONOR GUARD AREA (171443)	SM	242	2,300	( 668)
FITNESS CENTER (740674)	SM	223	2,300	( 615)
SUPPORTING FACILITIES	LS			913
UTILITIES	LS			( 235)
PAVEMENTS	LS			( 300)
SITE IMPROVEMENTS	LS			( 75)
COMMUNICATION SUPPORT	LS			( 74)
PASSIVE FORCE PROTECTION	LS			( 55)
DEMOLITION/ASBESTOS REMOVAL	SM	1,079	161	( 174)
SUSTAINABILITY AND ENERGY MEASURES	LS			<u>102</u>
SUBTOTAL				6,783
CONTINGENCY (5%)				<u>339</u>
TOTAL CONTRACT COST				7,122
SUPERVISION, INSPECTION AND OVERHEAD (6%)				<u>427</u>
TOTAL REQUEST				7,549
TOTAL REQUEST (ROUNDED)				7,500
10. Description of Proposed Construction: Construct a facility to support the Air National Guard Security Forces and Services training and operations. 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. Interior building systems shall include an open floor plan with office and shop areas to support workspaces divided by demountable systems-furniture style partitions and prewired workstations. Exterior work includes: utilities, site improvements, communications, and fire protection support, as well as access pavements and pavements to meet AT/FP siting criteria. Demolish facilities and abate asbestos; landscape the site. Provide a standby generator for the security forces control center. Air Conditioning: 700 KW.				
11. REQUIREMENT: 2,090 SM ADEQUATE: 0 SM SUBSTANDARD: 760 SM PROJECT: Security and Services Training Facility (Current Mission). REQUIREMENT: The installation requires properly sized and adequately configured spaces to support an 8-PAA KC-135 air refueling mission and an Intelligence Squadron. The 73-person Security Forces Squadron (SFS) provides security for the protection of high-priority assets including alert aircraft. The SFS trains and deploys in support of world-wide missions. Space is required for the air base ground defense and combat arms training. Services Flight space is required to provide deployment training and Honor Guard training for assigned ANG members. A Physical Fitness area is required for assigned Airmen to meet readiness requirements.				



1. COMPONENT  ANG	FY 2023 MILITARY CONSTRUCTION PROJECT DATA  (computer generated)	2. DATE  APR 2022																
3. INSTALLATION AND LOCATION  BIRMINGHAM INTERNATIONAL AIRPORT, ALABAMA																		
5. PROJECT TITLE  SECURITY AND SERVICES TRAINING FACILITY	7. PROJECT NUMBER  BRKR009063																	
<p><u>CURRENT SITUATION</u>: The 117 Air Refueling Wing (ANG), the 99 Air Refueling Squadron (Active Duty Associate Unit) and the 117 Intelligence Squadron (ANG) are located on a 140-acre Air National Guard Base adjacent to the Birmingham International Airport. Some of the base support functions are performed from five different badly deteriorated facilities. The 73-person SFS operates from 3 buildings; 142, 201, and 202. The Security Forces, Combat Arms Training Management (CATM), and Combat Arms Training Simulator (CATS) are currently forced to operate in 42% of their authorized space. The SFS uses 4,203 SF, which includes the Central Security Control and the weapons storage vault, in building 142, which is primarily aircraft maintenance shops. The space used by SFS in building 142 could better serve as storage in aircraft maintenance shop space. The CATM office and the CATS function are located in building 202. Some SFS storage is provided in a third facility, building 201. The base fitness center is located in building 202, and would be the sole function remaining prior to demolishing the facility. Buildings 202, 204, and 205 are WWII wood buildings and have far exceeded their economic lives. These buildings have documented RAC II safety deficiencies, are energy inefficient, and have asbestos pipe insulation. Building 202, has multiple fire and life safety deficiencies and will be demolished at the completion of this project. Building 214 is in the way of construction and is being demolished. Buildings 204 and 205 will be demolished under a different MILCON.</p> <p><u>IMPACT IF NOT PROVIDED</u>: Security Forces continue dispersed operations at three geographically separated facilities, with continued inefficiencies and inadequate command and control as well as unnecessarily high energy costs. Services and Honor Guard members continue in inadequate, degraded facilities with reduced training opportunities. Accept risk to mission and Airmen inherent with operation of degraded facilities with fire safety code violations.</p> <p><u>ADDITIONAL</u>: This project meets the criteria/scope specified in ANG Handbook 32-1084, "Facility Requirements" and is in compliance with the base master plan. Antiterrorism/Force Protection requirements have been considered in the development of this project. All known alternatives/options were considered during the development of this project. Combining SFS, Services and Fitness is the optimal solution by providing economy of scale for construction. 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. 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. The following buildings will be demolished as a result of this project: 202 at 9,750 SF; 214 at 1,867 SF for a total of 11,617SF. Building 201 space will be repopulated with functions from demolished building 202. 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 most cost efficient over the life of the project. Sustainable principles, to include Life Cycle cost effective practices, will be integrated into the design, development and construction of the project in accordance with Executive Order 13423, 10 USC 2802© and other applicable laws and Executive Orders. The facility number for this facility is: TBD. An RPUID will be generated prior to construction award. This project is considered capitalization based on the following rule from ANGETL 17-06: New Construction. The facility number for this facility is: TBD. The RPUID is 1422359.</p> <table border="1" data-bbox="235 1816 1412 1953"> <thead> <tr> <th>CatCode</th> <th>Requirement</th> <th>Adequate</th> <th>Substandard</th> </tr> </thead> <tbody> <tr> <td>171-443</td> <td>RESERVE FORCES GENERAL TRAINING</td> <td>697 SM</td> <td>0 SM 75 SM</td> </tr> <tr> <td>171-475</td> <td>SMALL ARMS RANGE - INDOOR/CATS</td> <td>111 SM</td> <td>0 SM 93 SM</td> </tr> <tr> <td>171-476</td> <td>COMBAT ARMS TRNG &amp; MAINT ( CAT</td> <td>167 SM</td> <td>0 SM 80 SM</td> </tr> </tbody> </table>			CatCode	Requirement	Adequate	Substandard	171-443	RESERVE FORCES GENERAL TRAINING	697 SM	0 SM 75 SM	171-475	SMALL ARMS RANGE - INDOOR/CATS	111 SM	0 SM 93 SM	171-476	COMBAT ARMS TRNG & MAINT ( CAT	167 SM	0 SM 80 SM
CatCode	Requirement	Adequate	Substandard															
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1. COMPONENT ANG	FY 2023 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE APR 2022
3. INSTALLATION AND LOCATION BIRMINGHAM INTERNATIONAL AIRPORT, ALABAMA		
5. PROJECT TITLE SECURITY AND SERVICES TRAINING FACILITY	7. PROJECT NUMBER BRKR009063	
730-835 SECURITY FORCES (SF) OPERATION	892 SM	0 SM 512 SM
740-674 PHYSICAL FITNESS CENTER	223 SM	0 SM 0 SM
<p>SECURITY FORCE OPERATIONS AREA (730835)892 SM = 9,601 SF  CATS AREA (171475) 111 SM = 1,195 SF  CATM AREA (171476) 167 SM = 1,798 SF  SERVICES FLIGHT AREA (171443) 455 SM = 4,898 SF  HONOR GUARD AREA (171443) 242 SM = 2,605 SF  FITNESS CENTER (740674) 223 SM = 2,400 SF  DEMOLITION/ASBESTOS REMOVAL 1,079 SM = 11,614 SF</p>		

1. COMPONENT ANG	FY 2023 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE APR 2022																												
3. INSTALLATION AND LOCATION BIRMINGHAM INTERNATIONAL AIRPORT, ALABAMA																														
5. PROJECT TITLE SECURITY AND SERVICES TRAINING FACILITY		7. PROJECT NUMBER BRKR009063																												
<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>MAR 2012</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 2022</td> <td>100%</td> </tr> <tr> <td>* (d) Date 35% Designed</td> <td>APR 2013</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>OCT 2021</td> </tr> <tr> <td>(f) Type of Design Contract</td> <td>Design-Bid-Build</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): (\$402)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>360</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>126</td> </tr> <tr> <td>(c) Total</td> <td>402</td> </tr> <tr> <td>(d) Contract</td> <td>402</td> </tr> <tr> <td>(e) In-House</td> <td>0</td> </tr> </table> <p>(4) Contract Award (Month/Year) JAN 2023</p> <p>(5) Construction Start JUL 2023</p> <p>(6) Construction Completion JUL 2025</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) 612-7005</p>			(a) Date Design Started	MAR 2012	(b) Parametric Cost Estimates used to develop costs	No	(c) Percent Complete as of Jan 2022	100%	* (d) Date 35% Designed	APR 2013	(e) Date Design Complete	OCT 2021	(f) Type of Design Contract	Design-Bid-Build	(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	360	(b) All Other Design Costs	126	(c) Total	402	(d) Contract	402	(e) In-House	0
(a) Date Design Started	MAR 2012																													
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1. COMPONENT  ANG	<b>FY2023 GUARD AND RESERVE MILITARY CONSTRUCTION</b>		2. DATE  APR 2022		
3. INSTALLATION AND LOCATION  Tucson International Airport, AZ			4. AREA CONSTR COST INDEX  0.94		
5. FREQUENCY AND TYPE OF UTILIZATION  One Unit Training Assemblies per month, 15 days annual field training per year, daily use by technician/AGR force and for pilot training.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS  1 Air Force Base FBNV (214RG, Snowbird Ops), 1 Army HFHA (AATTC, 214RG LRE)					
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST \$(000)</u>	<u>DESIGN STATUS START</u>	<u>COMPLETE</u>
911-146	Land Acquisition	3 ha (8 AC)	10,000	Sep 18	Feb 22
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: Unilateral Construction Approved					
				<u>1/27/2016</u> (Date)	
9. LAND ACQUISITION REQUIRED			8 (Number of Acres)		
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST \$(000)</u>		
216-642	Construct Munitions Storage Complex	2,447 SM (26,340 SF)	20,000		
112-211	MCCA: Aircraft Arresting System (New RWY)	22,297 SM (26,667 SY)	9,400		
R & M Unfunded Requirement: \$22,360,000					

1. COMPONENT ANG	<b>FY 2023 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE APR 2022
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3. INSTALLATION AND LOCATION  
**Tucson International Airport, AZ**

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	401	36	288	77	1106	128	978
ACTUAL	280	31	249	0	1157	107	1050

12. RESERVE UNIT DATA

<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>	
	<u>AUTHORIZED</u>	<u>ACTUAL</u>
	—	—

13. MAJOR EQUIPMENT AND AIRCRAFT

<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>

1. COMPONENT ANG	FY 2023 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE APR 2022	
3. INSTALLATION AND LOCATION TUCSON INTERNATIONAL AIRPORT, ARIZONA			4. PROJECT TITLE LAND ACQUISITION		
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 911-146	7. PROJECT NUMBER XHEA219025	8. PROJECT COST(\$000) \$10,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLICATE AIRCRAFT HANGAR FACILITY		HA	3		9,094
LAND ACQUISITION		HA	3	741,867	( 2,226)
AIRPORT AUTHORITY HANGAR REPLACEMENT COST		LS			( 6,868)
SUPPORTING FACILITIES		LS			98
MOVING COSTS		LS			( 98)
SUBTOTAL					9,192
CONTINGENCY (5%)					460
TOTAL CONTRACT COST					9,652
SUPERVISION, INSPECTION AND OVERHEAD (6%)					579
TOTAL REQUEST					10,231
TOTAL REQUEST (ROUNDED)					10,000
10. Description of Proposed Construction: Land Acquisition required to construct new Base Main Entry Control Facility (ECF). ECF will include a gatehouse with overhead protection at inbound vehicle lanes, over watch position, covered canopies for vehicle inspection, active vehicle barriers, security gate and fencing, utilities, and lighting. Gatehouse will be slab on grade, single story, steel framed gate house compatible with existing architecture. Include all required secured access pavements, parking, curbing, sidewalks, pedestrian access, signage, vehicle proof fencing, and drainage. Site utilities include electrical, water, sewer, gas and communication service.					
11. REQUIREMENT: 3 HA ADEQUATE: 0 HA SUBSTANDARD: 0 HA PROJECT: Land Acquisition - Construct New Main Base Entry (Current Mission) REQUIREMENT: This project provides necessary land for construction a base entry complex through project number XHEA109012. DOD 5200.8-R, Physical Security Program, requires each installation commander to maintain complete control of entry and access to Air Force property as part of a comprehensive physical security program in order to protect personnel and resources. Each access point must comply with physical security requirements and Minimum Anti-Terrorism (AT/FP) Standards, as we as being capable of enforcing DOD force protection condition systems. In addition, entry control facilities must comply with Unified Facilities Criteria (UFC) 4-022-01, Security Engineering: Entry Control Facilities/Access Control Points. CURRENT SITUATION: A US Air Force/Air National Guard compliant road needs to be constructed from the Park Avenue entry point to the relocated 162nd Main Gate entry point. The current main gate entry/ID check point does not comply with UFC 4-022-01, or UFC 4-010-01 8 October 2003, DoD (ATFP) & AFI 10-245 measures. The current main gate entry is located approximately 30 feet from the base dining facility, which is categorized as a primary gathering facility. In addition, the main gate entry is approximately 100 feet from the main road. The short distance greatly increases the risk of security forces for a proper response and reaction to any vehicular intrusion or attack. The vehicle barriers are not properly located and do not meet Department of Defense or UFC standards to stop any vehicle threat. Additionally, the current location of the main gate creates frequent traffic congestion and cars stopped on Valencia Road, a major civilian thoroughfare. This condition is unsafe for security forces personnel manning the main gate entry and both personal and government vehicles entering and exiting the base. The vehicle inspection area also does not meet AT/FP standards. Relocating the main gate entry will provide proper security, access and egress control, protection from Vehicle Borne Improvised Explosive Devices (VBIED), personnel protection posture, compliant barrier plan.					



1. COMPONENT ANG	FY 2023 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE APR 2022																												
3. INSTALLATION AND LOCATION TUCSON INTERNATIONAL AIRPORT, ARIZONA																														
5. PROJECT TITLE LAND ACQUISITION		7. PROJECT NUMBER XHEA219025																												
<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 2018</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 2022</td> <td>95%</td> </tr> <tr> <td>* (d) Date 35% Designed</td> <td>MAR 2021</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>FEB 2022</td> </tr> <tr> <td>(f) Type of Design Contract</td> <td>Design-Bid-Build</td> </tr> <tr> <td>(g) Energy Study/Life-Cycle analysis was/will be performed</td> <td>No</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>No</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$532)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>532</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>0</td> </tr> <tr> <td>(c) Total</td> <td>532</td> </tr> <tr> <td>(d) Contract</td> <td>0</td> </tr> <tr> <td>(e) In-House</td> <td></td> </tr> </table> <p>(4) Contract Award (Month/Year) MAR 2023</p> <p>(5) Construction Start MAY 2023</p> <p>(6) Construction Completion SEP 2024</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) 612-7005</p>			(a) Date Design Started	SEP 2018	(b) Parametric Cost Estimates used to develop costs	No	(c) Percent Complete as of Jan 2022	95%	* (d) Date 35% Designed	MAR 2021	(e) Date Design Complete	FEB 2022	(f) Type of Design Contract	Design-Bid-Build	(g) Energy Study/Life-Cycle analysis was/will be performed	No	(a) Standard or Definitive Design -	No	(b) Where Design Was Most Recently Used -		(a) Production of Plans and Specifications	532	(b) All Other Design Costs	0	(c) Total	532	(d) Contract	0	(e) In-House	
(a) Date Design Started	SEP 2018																													
(b) Parametric Cost Estimates used to develop costs	No																													
(c) Percent Complete as of Jan 2022	95%																													
* (d) Date 35% Designed	MAR 2021																													
(e) Date Design Complete	FEB 2022																													
(f) Type of Design Contract	Design-Bid-Build																													
(g) Energy Study/Life-Cycle analysis was/will be performed	No																													
(a) Standard or Definitive Design -	No																													
(b) Where Design Was Most Recently Used -																														
(a) Production of Plans and Specifications	532																													
(b) All Other Design Costs	0																													
(c) Total	532																													
(d) Contract	0																													
(e) In-House																														



1. COMPONENT  <b>ANG</b>	<b>FY2023 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  APR 2022		
3. INSTALLATION AND LOCATION  Jacksonville International Airport, Jacksonville, FL		4. AREA CONSTR COST INDEX  0.8		
5. FREQUENCY AND TYPE OF UTILIZATION  One Unit Training Assemblies per month, 15 annual field training days per year. Daily use of technician force.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS  None				
7. PROJECTS REQUESTED IN THIS PROGRAM				
<u>CATEGORY</u> <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u> <u>\$(000)</u>	<u>DESIGN STATUS</u> <u>START</u> <u>COMPLETE</u>
171-212	F-35 Construct Flight Simulator Facility	1,858 SM (20,000 SF)	22,200	Apr 21    Aug 22
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: Unilateral Construction Approved			4/4/2018 (Date)	
9. LAND ACQUISITION REQUIRED			0 (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
<u>CATEGORY</u> <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u> <u>\$(000)</u>	
171-212	F-35: Construct Flight Simulator Facility	1,858 SM (20,000 SF)	22,200	
171-875	F-35: Const Weapons Load Trng	771 SM (8,300 SF)	9,900	
216-642	F-35 Construct Munitions M&I	390 SM (4,200 SF)	9,700	
216-642	F-35 Construct MSA Admin	613 SM (6,600 SF)	7,700	
R & M Unfunded Requirement: \$16,806,000				

1. COMPONENT  <b>ANG</b>	<b>FY 2023 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  APR 2022
3. INSTALLATION AND LOCATION  Jacksonville International Airport, Jacksonville, FL		
11. PERSONNEL STRENGTH AS OF 20-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	590      100      386      104	849      99      750
ACTUAL	488      97      391      0	915      123      792
12. RESERVE UNIT DATA		
<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>
125 AIRCRAFT MAINT SQUADRON	183	160
125 CIVIL ENGINEER SQUADRON	52	51
125 COMMUNICATIONS FLIGHT	35	29
125 COMPTROLLER FLIGHT	16	19
125 FIGHTER WING	57	51
125 FIGHTER WING OL: 00T5	33	0
125 FORCE SUPPORT SQUADRON	52	38
125 LOGISTICS READINES SQUADRON	78	86
125 MAINTENANCE GROUP	28	22
125 MAINTENANCE OPS FLIGHT	25	24
125 MAINTENANCE SQUADRON	249	235
125 MEDICAL GROUP	44	101
125 MISSION SUPPORT GROUP	17	17
125 OPERATIONS GROUP	8	12
125 OPERATIONS SUPPORT SQUADRON	38	45
125 SECURITY FORCES SQUADRON	88	74
125 STUDENT FLIGHT	0	88
159 FIGHTER SQUADRON	28	29
101 AIR AND SP OPS GROUP	236	193
101 AIR COMMUNICATIONS SQUADRON	172	129
Totals	1439	1403
13. MAJOR EQUIPMENT AND AIRCRAFT		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>
F-15C	20	
F-15D	1	
Vehicles	105	
Vehicle Equivalents	260.8	
ASE Equipment	527	

1. COMPONENT ANG	FY 2023 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE APR 2022	
3. INSTALLATION AND LOCATION JACKSONVILLE INTERNATIONAL AIRPORT, FLORIDA			4. PROJECT TITLE F-35 CONSTRUCT FLIGHT SIMULATOR FACILITY		
5. PROGRAM ELEMENT 52635F	6. CATEGORY CODE 171-212	7. PROJECT NUMBER LSGA219001	8. PROJECT COST(\$000) \$22,200		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
F-35 SIMULATOR FACILITY		SM	1,858		16,749
FLIGHT SIMULATOR FACILITY (171212)		SM	1,858	8,880	( 16,499)
CYBERSECURITY OF FACILITY-RELATED CONTROL SUPPORTING FACILITIES		LS	1		250
UTILITIES		LS			1,400
PAVEMENTS		LS			( -500)
SITE IMPROVEMENTS		LS			( 1,000)
SECURITY ALARMS		LS			( 500)
COMMUNICATIONS SUPPORT		LS			( 250)
SPECIAL COSTS					( 150)
SUBTOTAL					<u>1,806</u>
CONTINGENCY (5%)					19,955
TOTAL CONTRACT COST					<u>998</u>
SUPERVISION, INSPECTION AND OVERHEAD (6%)					20,953
TOTAL REQUEST					<u>1,257</u>
TOTAL REQUEST (ROUNDED)					22,210
					22,200
10. Description of Proposed Construction: Construct a 4-bay F-35 Flight Simulator facility. The facility includes reinforced concrete foundation and floor slab, structural steel frame with masonry walls, and standing seam metal roof. The project includes all utilities, site improvements, pavements, detection/protection features, security enhancements, environmental mitigation, and other supporting work necessary to make a complete and usable facility. Cybersecurity measures are included in accordance with UFC 4-010-06, Cybersecurity of Facility-Related Control Systems. Smart technology measures include technology and data systems for more resource efficient building operations and to enhance capability to respond to, and recover from, natural and man made disruptions. Facilities will be designed as permanent construction in accordance with the Department of Defense Unified Facilities Criteria 1-200-01. This project will comply with Department of Defense antiterrorism/force protection requirements per Unified Facility Criteria 4-010-01. The governing document will be the F-35A Facility Requirements Document (FRD). This project will meet Duval County, Florida wind speed design requirements. Special construction requirements: Raised flooring as required, high bay area for simulators. Secure areas with specifications and construction in accordance with ICD/ICS 705 is necessary for designated parts of the facility. Air Conditioning: 105 KW.					
11. REQUIREMENT: 1,858 SM ADEQUATE: 0 SM SUBSTANDARD: 1,858 SM <u>PROJECT:</u> F-35 Simulator Facility (New Mission) <u>REQUIREMENT:</u> A flight simulator facility houses aircraft flight simulators and other special training devices. An adequately sized and configured facility is required to teach pilots how to use the aircraft in combat. The facility will include the following spaces: administrative, special purpose, assembly, storage, equipment issue, and specialized training and simulator areas. The simulator pods will each include cockpit, display room, Internetwork Operating System room, computer/equipment room, and briefing rooms. Additionally, the training area will house simulator equipment and gear and a classified security room. Due to the coastal, hurricane prone location, resiliency, sustainability and smart technology are critical to mission assurance. When constructed, this facility must demonstrate the					

1. COMPONENT ANG	FY 2023 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE APR 2022								
3. INSTALLATION AND LOCATION JACKSONVILLE INTERNATIONAL AIRPORT, FLORIDA										
5. PROJECT TITLE F-35 CONSTRUCT FLIGHT SIMULATOR FACILITY	7. PROJECT NUMBER LSGA219001									
<p>ability to adapt to changing conditions; and withstand, respond to and recover from any climatic or other mission disruptions. This project will require compliance with Intelligence Community Directive 705 for the Sensitive Compartmented Information Facility and Special Access Program Facility areas.</p> <p><u>CURRENT SITUATION:</u> The installation is scheduled to receive the F-35 Aircraft, and with that beddown, new F-35 flight simulators will also be provided. There is no excess or otherwise suitable existing space to beddown the simulator devices and conduct supporting training and maintenance activities. The 125th FW does not currently have a flight simulator facility on base that meets the requirements training mission. Such a facility is required to support simulator training of pilots accompanying the arrival of F-35A aircraft starting in Fiscal Year 2024. Additionally, the 125th FW does not have a Special Access Program Facility on base that meets the requirement for F-35A simulator training.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Without adequate flight simulator facilities, F-35A pilots will be unable to maintain operational readiness and support of this new weapons system, impacting fleet health and operational capability for the war fighter. This project provides critical, real-world, mission rehearsal and training for F-35A pilots, without which, will negatively impact critical combat capability. Additionally, travel costs to other simulator sites would be required on a monthly basis for 35-40 pilots to get initial training and maintain proficiencies. This cost burden, along with a decreased availability of simulators based on high demand would result in negative impacts on mission readiness.</p> <p><u>ADDITIONAL:</u> This project meets applicable criteria/scope specified in Air Force Manual 32-1084 Facility Requirements and the F-35A Facility Requirements Documents (FRD). An analysis of reasonable options for accomplishing this project indicated there is only one option that will meet operational requirements; new construction. Sustainable principles, to include life-cycle cost-effective practices, will be integrated into the design, development and construction of the project in accordance with Unified Facilities Criteria 1-200-02. This includes the preparation of a life-cycle cost analysis for energy consuming systems, renewable energy generating systems, or when life-cycle cost effective is selected as the reason any requirement of Unified Facilities Criteria 1-200-02 is partially compliant or not applicable. This project is considered capitalization based on the following rule from ANGETL 17-06: New Construction.</p> <p>125th Fighter Wing Base Civil Engineer: (904) 741-7600</p> <p>Flight Simulator Facility (171-212): 1,858 SM = 20,000 SF</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an as available basis; however, the scope of the project is based on Air Force requirements.</p> <p>Special costs include 7% excise tax, post construction award and construction surveillance.</p> <table border="0" data-bbox="235 1743 1412 1816"> <tr> <td>CatCode</td> <td>Requirement</td> <td>Adequate</td> <td>Substandard</td> </tr> <tr> <td>171-212 FLGHT SIMULATOR TRAINING</td> <td>1,858 SM</td> <td>0 SM</td> <td>1,858 SM</td> </tr> </table> <p>FLIGHT SIMULATOR FACILITY (171212) 1,858 SM = 20,000 SF</p>			CatCode	Requirement	Adequate	Substandard	171-212 FLGHT SIMULATOR TRAINING	1,858 SM	0 SM	1,858 SM
CatCode	Requirement	Adequate	Substandard							
171-212 FLGHT SIMULATOR TRAINING	1,858 SM	0 SM	1,858 SM							

1. COMPONENT <b>ANG</b>	FY 2023 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE APR 2022
3. INSTALLATION AND LOCATION JACKSONVILLE INTERNATIONAL AIRPORT, FLORIDA		
5. PROJECT TITLE F-35 CONSTRUCT FLIGHT SIMULATOR FACILITY		7. PROJECT NUMBER LSGA219001
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		APR 2021
(b) Parametric Cost Estimates used to develop costs		No
(c) Percent Complete as of Jan 2022		35%
* (d) Date 35% Designed		OCT 2021
(e) Date Design Complete		AUG 2022
(f) Type of Design Contract		Design-Bid-Build
(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		1,116
(b) All Other Design Costs		599
(c) Total		1,715
(d) Contract		1,715
(e) In-House		
(4) Contract Award (Month/Year)		JAN 2023
(5) Construction Start		MAR 2023
(6) Construction Completion		APR 2025
* 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
		COST (\$000)
POINT OF CONTACT: NGB/A4AD (240) 612-7005		

1. COMPONENT  ANG	<b>FY2023 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  APR 2022													
3. INSTALLATION AND LOCATION  Fort Wayne International Airport, Fort Wayne, IN		4. AREA CONSTR COST INDEX  0.92													
5. FREQUENCY AND TYPE OF UTILIZATION  One Unit Training Assemblies per month, 15 days annual field training per year, daily use by technician/AGR force and training.															
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS  1 Army National Guard Armory, 1 Army Reserve Facility, 1 Marine Reserve Facility															
7. PROJECTS REQUESTED IN THIS PROGRAM  <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CATEGORY CODE</th> <th style="text-align: left;">PROJECT TITLE</th> <th style="text-align: left;">SCOPE</th> <th style="text-align: left;">COST \$(000)</th> <th style="text-align: left;">DESIGN STATUS START</th> <th style="text-align: left;">COMPLETE</th> </tr> </thead> <tbody> <tr> <td>216-642</td> <td>Munitions Maintenance &amp; Storage Complex</td> <td>1,713 SM (18,440 SF)</td> <td>12,800</td> <td>Oct 18</td> <td>Jan 22</td> </tr> </tbody> </table>				CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	DESIGN STATUS START	COMPLETE	216-642	Munitions Maintenance & Storage Complex	1,713 SM (18,440 SF)	12,800	Oct 18	Jan 22
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	DESIGN STATUS START	COMPLETE										
216-642	Munitions Maintenance & Storage Complex	1,713 SM (18,440 SF)	12,800	Oct 18	Jan 22										
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: Unilateral Construction Approved  <span style="float: right;">4/6/2018 (Date)</span>															
9. LAND ACQUISITION REQUIRED  <span style="float: right;">0 (Number of Acres)</span>															
10. PROJECTS PLANNED IN NEXT FOUR YEARS  <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CATEGORY CODE</th> <th style="text-align: left;">PROJECT TITLE</th> <th style="text-align: left;">SCOPE</th> <th style="text-align: left;">COST \$(000)</th> </tr> </thead> <tbody> <tr> <td colspan="4" style="text-align: center;">R &amp; M Unfunded Requirement: \$38,660,000</td> </tr> </tbody> </table>				CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	R & M Unfunded Requirement: \$38,660,000							
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)												
R & M Unfunded Requirement: \$38,660,000															

1. COMPONENT  ANG	<b>FY 2023 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  APR 2022
3. INSTALLATION AND LOCATION  Fort Wayne International Airport, Fort Wayne, IN		
11. PERSONNEL STRENGTH AS OF 15-Apr-20		
	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	205      21      154      30	816      81      735
ACTUAL	171      15      156      0	815      91      724
12. RESERVE UNIT DATA		
<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>
122 AIRCRAFT MAINT SQUADRON	160	146
122 CIVIL ENGINEER SQUADRON	90	77
122 COMMUNICATIONS FLIGHT	34	32
122 COMPTROLLER FLIGHT	12	12
122 FIGHTER WING	44	43
122 FIGHTER WING OL: 00T5	24	0
122 FORCE SUPPORT SQUADRON	51	44
122 LOGISTICS READINES SQUADRON	81	74
122 MAINTENANCE GROUP	27	23
122 MAINTENANCE OPS FLIGHT	23	19
122 MAINTENANCE SQUADRON	249	198
122 MEDICAL GROUP	54	44
122 MISSION SUPPORT GROUP	13	13
122 OPERATIONS GROUP	10	9
122 OPERATIONS SUPPORT SQUADRON	38	34
122 SECURITY FORCES SQUADRON	77	61
122 STUDENT FLIGHT	0	125
163 FIGHTER SQUADRON	34	32
Totals	1021	986
13. MAJOR EQUIPMENT AND AIRCRAFT		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>
A-10	22	
Vehicles	102	
Vehicle Equivalentents	258.2	
ASE Equipment	450	

1. COMPONENT ANG	FY 2023 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE APR 2022	
3. INSTALLATION AND LOCATION FORT WAYNE INTERNATIONAL AIRPORT, INDIANA			4. PROJECT TITLE MUNITIONS MAINTENANCE & STORAGE COMPLEX		
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 216-642	7. PROJECT NUMBER ATQZ169004	8. PROJECT COST(\$000) \$12,800		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
MUNITIONS MAINTENANCE & STORAGE		SM	1,713		9,765
ABOVE GROUND STORAGE (422258)		SM	570	5,920	( 3,374)
MUNITIONS M&I AND INERT STORAGE (216642)		SM	920	5,382	( 4,951)
STORAGE IGLOO (422264)		SM	223	6,458	( 1,440)
SUPPORTING FACILITIES					1,635
MACPAD (422275)		SM	702	263	( 185)
SITE IMPROVEMENTS		LS			( 400)
PAVEMENTS		LS			( 550)
UTILITIES		LS			( 250)
DEMOLITION		SM	465	215	( 100)
COMMUNICATIONS SUPPORT		LS			( 150)
SUSTAINABILITY AND ENERGY MEASURES		LS			150
SUBTOTAL					11,550
CONTINGENCY (5%)					578
TOTAL CONTRACT COST					12,128
SUPERVISION, INSPECTION AND OVERHEAD (6%)					728
TOTAL REQUEST					12,856
TOTAL REQUEST (ROUNDED)					12,800
10. Description of Proposed Construction: Construct a Munitions Maintenance and Inspection (M&I) facility, two earth covered munitions storage igloos, Munitions Assembly Complex (MAC) Pad, inert storage, and above ground munitions storage facilities 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. Construction shall be in accordance with and approved by the Department of Defense Explosives Safety Board (DDESBS). Demolish Building 790 (265 SM / 5000 SF). Air Conditioning: 70 KW.					
11. REQUIREMENT: 2,563 SM ADEQUATE: 850 SM SUBSTANDARD: 1,713 SM PROJECT: Munitions Maintenance & Storage Complex (Current Mission) REQUIREMENT: The 122nd Fighter Wing (FW) requires an adequately sized, sited and properly configured Munitions Storage Area (MSA) including Maintenance and Inspection (M&I), munitions storage igloo, Munitions Assembly Complex (MAC) area, inert storage, and above ground munitions storage. These new facilities are required to complete the colocation of the base MSA facilities and alleviate existing explosive safety deviations and operational work-arounds. CURRENT SITUATION: The 122 FW lacks adequate munitions maintenance and storage space. The existing igloo (Building 305), was built in 1942 and has undefined overpressure resistance severely limiting permissible storage. The current M&I facility (Building 788) was built in 1993 and does not meet current explosive safety requirements. Wall construction does not meet current explosive safety standards which prevents concurrent operations within the facility. The mechanical and roof systems					



1. COMPONENT  ANG	FY 2023 MILITARY CONSTRUCTION PROJECT DATA  (computer generated)	2. DATE  APR 2022																				
3. INSTALLATION AND LOCATION  FORT WAYNE INTERNATIONAL AIRPORT, INDIANA																						
5. PROJECT TITLE  MUNITIONS MAINTENANCE & STORAGE COMPLEX	7. PROJECT NUMBER  ATQZ169004																					
<p>have reached the end usable life, there is no catenary lightning protection system, and the facility is adjacent to an overhead commercial power line. Above ground munitions storage (Building 789) is undersized for current requirements. The existing conventional storage facility (Building 790) is a 3-sided lean to with no drive through capability, electricity or lighting. The MAC system is currently installed on a pad that is 33% undersized which compresses space for machinery and operations which poses safety hazards for airmen. Buildings 305 (storage igloo), 788 (M&amp;I), 789 (above ground storage), 790 (conventional storage) and the MAC pad are geographically separated from the rest of the munitions area that contains administrative, trailer maintenance, 7-bar igloo, and live munitions M&amp;I functions. The two compounds are separated by an active, major railway. Due to the current situation, the wing utilizes extensive compensatory measures for the safe operating and storage of munitions. The facilities are becoming exceedingly difficult to maintain with a limited full-time workforce. The new facilities will consolidate all munitions functions into one secure complex, mitigate all safety deficiencies, improve operational efficiencies and will be constructed in accordance with the approved DDESB siting.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The base will be forced to continue operating with undersized, poorly configured munitions facilities which do not meet modern explosive safety construction standards. Existing operations will continue from two separated areas, increasing the time and complexity for all munitions operations, maintenance, and storage. Operations will continue to employ numerous operational workarounds and decreased safety, endangering the mission and airmen. Wing readiness will suffer from the lack of an adequate, consolidated, munitions storage area.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air National Guard Handbook 32-1084, "Facility Space Standards" and is in compliance with the installation development 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. Building 790 (265 SM / 5000 SF) will be demolished through this project. Buildings 305 (105 SM / 1,134 SF), 788 (1,137 SM / 12,240 SF), and 789 (557 SM / 6000 SF) will be divested after the completion of this project through a real property transfer to the airport authority. The facility number for this facility is: TBD. An RPUID will be generated prior to construction award.</p> <table border="0" data-bbox="235 1543 1412 1711"> <thead> <tr> <th>CatCode</th> <th>Requirement</th> <th>Adequate</th> <th>Substandard</th> </tr> </thead> <tbody> <tr> <td>216-642 CONVENTIONAL MUNITIONS SHOP</td> <td>1,556 SM</td> <td>739 SM</td> <td>818 SM</td> </tr> <tr> <td>216-642 MAC PAD</td> <td>702 SM</td> <td>0 SM</td> <td>702 SM</td> </tr> <tr> <td>422-258 ABOVE GROUND STORAGE MAGAZINE</td> <td>673 SM</td> <td>0 SM</td> <td>673 SM</td> </tr> <tr> <td>422-264 ABOVE GROUND STORAGE MAGAZINE</td> <td>334 SM</td> <td>111 SM</td> <td>223 SM</td> </tr> </tbody> </table> <p>ABOVE GROUND STORAGE (422258)                      570 SM = 6,140 SF  MUNITIONS M&amp;I AND INERT STORAGE (216642) 920 SM = 9,900 SF  STORAGE IGLOO (422264)                              223 SM = 2,400 SF  MACPAD (422275)                                        702 SM = 840 SY</p>			CatCode	Requirement	Adequate	Substandard	216-642 CONVENTIONAL MUNITIONS SHOP	1,556 SM	739 SM	818 SM	216-642 MAC PAD	702 SM	0 SM	702 SM	422-258 ABOVE GROUND STORAGE MAGAZINE	673 SM	0 SM	673 SM	422-264 ABOVE GROUND STORAGE MAGAZINE	334 SM	111 SM	223 SM
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1. COMPONENT <b>ANG</b>	<b>FY2023 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  APR 2022													
3. INSTALLATION AND LOCATION  McGhee Tyson Airport, Knoxville, TN		4. AREA CONSTR COST INDEX <b>0.835</b>													
5. FREQUENCY AND TYPE OF UTILIZATION  One Unit Training Assemblies per month, 15 days annual field training per year, daily use by technician/AGR force and for training. Daily use by ANG Training and Education Center and associated student load.															
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS  Three Army National Guard Armories, one Army Aviation Support Facility, one Army Reserve Unit, one Marine Corps Reserve Unit and one Navy Reserve 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 style="text-align: left;"><u>DESIGN STATUS</u> START</th> <th style="text-align: left;"><u>COMPLETE</u></th> </tr> </thead> <tbody> <tr> <td>218-712</td> <td>KC-135 Maintenance Shops</td> <td>3,507 SM (37,750 SF)</td> <td>23,800</td> <td>Oct 18</td> <td>Aug 22</td> </tr> </tbody> </table>				CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	<u>DESIGN STATUS</u> START	<u>COMPLETE</u>	218-712	KC-135 Maintenance Shops	3,507 SM (37,750 SF)	23,800	Oct 18	Aug 22
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218-712	KC-135 Maintenance Shops	3,507 SM (37,750 SF)	23,800	Oct 18	Aug 22										
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: Unilateral Construction Approved  <div style="text-align: right;">1/9/2018 (Date)</div>															
9. LAND ACQUISITION REQUIRED  <div style="text-align: right;">0 (Number of Acres)</div>															
10. PROJECTS PLANNED IN NEXT FOUR YEARS  <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CATEGORY CODE</th> <th style="text-align: left;">PROJECT TITLE</th> <th style="text-align: left;">SCOPE</th> <th style="text-align: left;">COST \$(000)</th> </tr> </thead> <tbody> <tr> <td>218-712</td> <td>KC-135 Maintenance Shops</td> <td>3,507 SM (37,750 SF)</td> <td>23,800</td> </tr> </tbody> </table> <p>R &amp; M Unfunded Requirement: \$39,720,000</p>				CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	218-712	KC-135 Maintenance Shops	3,507 SM (37,750 SF)	23,800				
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3. INSTALLATION AND LOCATION  <b>McGhee Tyson Airport, Knoxville, TN</b>		
11. PERSONNEL STRENGTH AS OF 29-Jul-11		
	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	211      26      143      42	938      152      786
ACTUAL	170      26      144      0	1047      145      902
12. RESERVE UNIT DATA		
<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>	<u>STRENGTH</u> <u>ACTUAL</u>
119 CYBER OPERATIONS SQUADRON	138	133
134 AIR REFUELING WING	51	50
134 AIR REFUELING WING OL: 00T5	37	0
134 AIRCRAFT MAINT SQUADRON	58	72
134 CIVIL ENGINEER SQUADRON	106	106
134 COMMUNICATIONS FLIGHT	43	44
134 COMPTROLLER FLIGHT	12	12
134 FORCE SUPPORT SQUADRON	71	54
134 LOGISTICS READINES SQUADRON	102	103
134 MAINTENANCE GROUP	22	19
134 MAINTENANCE OPS FLIGHT	22	22
134 MAINTENANCE SQUADRON	157	167
134 MEDICAL GROUP	61	89
134 MISSION SUPPORT GROUP	15	10
134 OPERATIONS GROUP	10	9
134 OPERATIONS SUPPORT SQUADRON	45	47
134 SECURITY FORCES SQUADRON	85	75
134 STUDENT FLIGHT	0	96
151 AIR REFUELING SQUADRON	74	68
572 AIR FORCE BAND BAND	40	41
Totals	1149	1217
13. MAJOR EQUIPMENT AND AIRCRAFT		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>
KC-135R	10	
Vehicles	143	
Vehicle Equivalentents	360.1	
ASE Equipment	324	

1. COMPONENT ANG	FY 2023 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE APR 2022
3. INSTALLATION AND LOCATION MCGHEE TYSON AIRPORT, TENNESSEE			4. PROJECT TITLE KC-135 MAINTENANCE SHOPS	
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 218-712	7. PROJECT NUMBER PSXE139013	8. PROJECT COST(\$000) \$23,800	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CONSTRUCT KC-135 SUPPORT SHOPS	SM	3,507		17,350
WEAPON SYSTEM MAINTENANCE AREA (610-129)	SM	641	4,693	( 3,008)
ORGANIZATIONAL MAINTENANCE AREA (211-154)	SM	715	4,693	( 3,355)
ENGINE SHOP/STORAGE AREA (211-157)	SM	344	4,693	( 1,614)
NON-DESTRUCTIVE INPSECTION (211-153)	SM	372	4,693	( 1,746)
AIRCRAFT SUPPORT EQUIPMENT SHOP (218-712)	SM	1,161	4,693	( 5,449)
CONVENTIONAL MUNITIONS SHOP (216-642)	SM	107	4,693	( 502)
ABOVE GROUND MAGAZINE STORAGE (422-258)	SM	167	4,693	( 784)
AIRCRAFT SUPPORT EQUIPMENT STORAGE (852-273)	SM	1,003	407	( 408)
SUSTAINABILITY AND ENERGY MEASURES	LS			( 484)
SUPPORTING FACILITIES				4,014
UTILITIES	LS			( 484)
PAVEMENTS	LS			( 688)
DEMOLITION/ASBESTOS REMOVAL	SM	3,364	269	( 905)
COMMUNICATION SUPPORT	LS			( 344)
FIRE PROTECTION	SM	3,507	258	( 905)
SITE IMPROVEMENTS	LS			( 688)
SUBTOTAL				21,364
CONTINGENCY (5%)				1,068
TOTAL CONTRACT COST				22,432
SUPERVISION, INSPECTION AND OVERHEAD (6%)				1,346
TOTAL REQUEST				23,778
TOTAL REQUEST (ROUNDED)				23,800
10. Description of Proposed Construction: Construct an aircraft maintenance support facility utilizing conventional design and construction methods to accommodate the mission of the facility. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and Sustainable Building Requirements. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria. Buildings 101, 126, and 138 will be demolished as part of this project. Air Conditioning: 385 KW.				
11. REQUIREMENT: 3,507 SM ADEQUATE: 0 SM SUBSTANDARD: 2,838 SM <u>PROJECT</u> : Construct Aircraft Maintenance Support Shops (Current Mission) <u>REQUIREMENT</u> : The Base requires properly sited, sized, and configured aircraft maintenance shops and administrative areas to support the training and operational mission of the 10 KC-135R aircraft. Functional areas include weapons system and organizational maintenance and specialized shops. <u>CURRENT SITUATION</u> : The Base has grossly antiquated aircraft maintenance and shop facilities that are poorly located on base, utilizing only 89% of authorized foot print. The hangar and the shops were originally constructed in 1952 to support smaller aircraft and cannot be economically upgraded to meet current mission requirements. The overhead structural roof members in the facilities are at limit for structural loading of required overhead mounted equipment, and the structural systems cannot be				

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<p>upgraded for future additional weight. The misalignment of facilities and their poor condition warrant replacement rather than renovation. Existing maintenance facilities require extensive ongoing and costly maintenance to remain in operation. The heating distribution system has exceeded its economic life, the Aqueous Fire Fighting Foam (AFFF) system is in need of upgrades, the fire detection system is a patchwork of systems and the electrical and plumbing systems are failing at an increasing rate. The ventilation systems are not ANG compliant, the buildings are not energy efficient, and the communications system does not meet the mission requirements. The roof has leaked and continues to leak. There are numerous health and safety code violations. The exterior metal siding panels, interior and exterior piping insulation and floor tiles are severely degraded. There is poor drainage around the facilities and water enters under the doors during rainstorms. Existing facilities extend past the established airfield building restriction line and are in direct violation of safety standards for active runway operations as prescribed by FAA Part 77 guidelines. Bldg 126 was designed to accommodate propeller driven fighter planes in the 1950's. With the larger KC-135 aircraft the support areas have limited space and cannot properly be configured for efficient processing of work to meet mission requirements. The shops are poorly configured and cannot be rearranged due to structural interior design of the load bearing walls and framing systems.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Continued maintenance operations in severely cramped quarters is inefficient and negatively affects command and control. As a result, day-to-day aircraft maintenance activities are adversely impacted which impairs readiness. Maintenance operations are also affected by the current layout resulting in increased maintenance costs, crowded work and training areas, and impaired mobility preparation. Current facilities result in split maintenance functions, which increases wear and tear on vehicles and equipment. Fire, health, and safety violations will continue to pose risk to personnel, equipment, and aircraft. Without the additional KC-135 maintenance shops, the 134th ARW will continue to experience degraded operational capability that hampers mission effectiveness, increases operating costs, and negatively affects morale, recruiting, and retention.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in ANG Handbook 32-1084, "Facility Requirements" and conforms to the Installation Development Plan. An Environmental Assessment has been completed for this project and resulted in a "Finding of NO Significant Impact". No real estate issues exist as a result of this project. Antiterrorism/Force Protection requirements have been considered in the development of this project. An economic analysis is being prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air National Guard requirements. Sustainable principles, to include Life Cycle cost effective practices, will be integrated into the design, development and construction of the project in accordance with Executive Order 13423, 10 USC 2802(c) and other applicable laws and Executive Orders. The following buildings will be demolished as a result of this project to help achieve "right-size" goals of the ANG: 101@ 7,356 SF; 126@ 24,479 SF; 138@ 6,400 SF; a total of 36,206 SF.</p>																						
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5. PROJECT TITLE KC-135 MAINTENANCE SHOPS	7. PROJECT NUMBER PSXE139013	
217-712 AVIONICS SHOP	502 SM	0 SM 371 SM
218-712 AIRCRAFT SUPPORT EQUIPMENT (AS	1,329 SM	0 SM 1,338 SM
852-273 ASE STORAGE YARD	1,003 SM	0 SM 1,229 SM
WEAPON SYSTEM MAINTENANCE AREA (610-129)641 SM = 6,900 SF ORGANIZATIONAL MAINTENANCE AREA (211-154)715 SM = 7,700 SF ENGINE SHOP/STORAGE AREA (211-157) 344 SM = 3,700 SF NON-DESTRUCTIVE INPSECTION (211-153) 372 SM = 4,000 SF AIRCRAFT SUPPORT EQUIPMENT SHOP (218-712)1,161 SM = 12,500 SF CONVENTIONAL MUNITIONS SHOP (216-642) 107 SM = 1,150 SF ABOVE GROUND MAGAZINE STORAGE (422-258)167 SM = 1,800 SF		

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(c) Percent Complete as of Jan 2022	65%																													
* (d) Date 35% Designed	JUN 2020																													
(e) Date Design Complete	AUG 2022																													
(f) Type of Design Contract	Design-Bid-Build																													
(g) Energy Study/Life-Cycle analysis was/will be performed	No																													
(a) Standard or Definitive Design -	No																													
(b) Where Design Was Most Recently Used -																														
(a) Production of Plans and Specifications	833																													
(b) All Other Design Costs	515																													
(c) Total	1,349																													
(d) Contract	1,349																													
(e) In-House																														



**DEPARTMENT OF THE AIR FORCE  
AIR NATIONAL GUARD**

JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2023

APPROPRIATION:	MILITARY CONSTRUCTION	AIR NATIONAL
PROGRAM 313:	GUARD PLANNING AND DESIGN	\$28,412,000

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 2023 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE APR 2022	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS			4. PROJECT TITLE PLANNING AND DESIGN		
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 961-000	7. PROJECT NUMBER PAYZ230005	8. PROJECT COST (\$000) 28,412		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PLANNING AND DESIGN (P-313)		LS			28,412
SUBTOTAL					28,412
TOTAL CONTRACT COST					28,412
TOTAL REQUEST					28,412
<p>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.</p>					
<p>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 2023 design funds are needed to complete the design for those projects that are to be included in the FY 2023 MILCON program and to begin the design for those projects to be included in the FY 2024 program. Funds also provide for design of the FY 2023 unspecified minor construction program.</p>					

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**DEPARTMENT OF THE AIR FORCE  
AIR NATIONAL GUARD**

JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2023

APPROPRIATION:	MILITARY CONSTRUCTION	AIR NATIONAL GUARD
PROGRAM 341:	UNSPECIFIED MINOR CONSTRUCTION	\$44,171,000

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, adjusted by area cost factor, 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 2023 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE APR 2022	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS			4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION		
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 962-000	7. PROJECT NUMBER PAYZ230006	8. PROJECT COST (\$000) 44,171		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UNSPECIFIED MINOR CONSTRUCTION (P-341)		LS			44,171
SUBTOTAL					44,171
TOTAL CONTRACT COST					44,171
TOTAL REQUEST					44,171
<p>10. Description of Proposed Construction: Provides funding for unspecified minor construction projects not otherwise authorized by law and having a funded cost more than \$2,000,000 and equal to or less than \$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.</p>					
<p>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.</p>					

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**DEPARTMENT OF THE AIR FORCE  
AIR NATIONAL GUARD  
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2023**

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**SECTION III**

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**FUTURE YEARS DEFENSE PLAN (FYDP)**

**FISCAL YEAR LISTING**

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

Component	FY	APPM	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount (\$000)	Msn	Change from FY22 PB	Explanation of Changes	Footprint
Guard	24	3830	XHEA999163	Morris Air National Guard Base	AZ	MCCA: Aircraft Arresting System (New RWY)	52276F	112-211	\$9,400	C	\$9,400	New submission; FY22 FYDP not submitted previously	New
Guard	24	3830	CRWU139039	Buckley Air Force Base	CO	Aircraft Corrosion Control	52276F	211-159	\$12,000	C	\$12,000	New submission; FY22 FYDP not submitted previously	New
Guard	24	3830	WKVB089049	Francis S. Gabreski Airport	NY	Logistics Readiness Complex	52276F	442-758	\$24,000	C	\$24,000	New submission; FY22 FYDP not submitted previously	New
Guard	24	3830	LUXC079134	Joe Foss Field	SD	Corrosion Control & Maintenance Hangar	52276F	211-111	\$31,000	C	\$31,000	New submission; FY22 FYDP not submitted previously	New
Guard	24	3830	DDPM239001	Carswell Air Reserve Station	TX	C-130J ADAL Fuel Cell Building 1674	C5116F	141-454	\$13,100	N	\$13,100	New submission; FY22 FYDP not submitted previously	
Guard	24	3830	LYBH219001	McLaughlin Air National Guard Base	WV	C-130J Apron Expansion	C5116F	100-000	\$10,000	N	\$10,000	New submission; FY22 FYDP not submitted previously	
Guard	24	3830	PAYZ240006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	\$40,303	C	\$40,303	New submission; FY22 FYDP not submitted previously	
Guard	24	3830	PAYZ240005	Unspecified	VL	Planning and Design	52276F	961-000	\$29,350	C	\$29,350	New submission; FY22 FYDP not submitted previously	
						<b>Total Major Construction</b>			<b>\$169,153</b>				
Guard	25	3830	LSGA219002	Jacksonville International Airport	FL	F-35 Construct Weapons Load Trainer	52635F	100-000	\$8,000	N	\$8,000	New submission; FY22 FYDP not submitted previously	
Guard	25	3830	AAAA199005	VARIOUS LOCATIONS	VS	C-130J Fuel Cell Hangar	C5116F	100-000	\$5,400	N	\$5,400	New submission; FY22 FYDP not submitted previously	New
Guard	25	3830	AAAA199111	VARIOUS LOCATIONS	VS	F-15EX Flight Simulator Facility	52635F	100-000	\$20,000	N	\$20,000	New submission; FY22 FYDP not submitted previously	New
Guard	25	3830	PAYZ250006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	\$42,287	C	\$42,287	New submission; FY22 FYDP not submitted previously	
Guard	25	3830	PAYZ250005	Unspecified	VL	Planning and Design	52276F	961-000	\$28,798	C	\$28,798	New submission; FY22 FYDP not submitted previously	
						<b>Total Major Construction</b>			<b>\$104,485</b>				

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

Component	FY	APPM	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount (\$000)	Msn	Change from FY22 PB	Explanation of Changes	Footprint
Guard	26	3830	FXSB169026	Joint Base Elmendorf Richardson	AK	Base Supply Complex	52276F	442-758	\$24,500	C	\$24,500	New submission; FY22 FYDP not submitted previously	
Guard	26	3830	FAKZ039172	Montgomery Regional Airport (ANG) Base	AL	F-35 Weapons Load Crew Training Facility	52635F	171-875	\$6,800	N	\$6,800	New submission; FY22 FYDP not submitted previously	New
Guard	26	3830	LSGA219015	Jacksonville International Airport	FL	F-35 Construct Munitions Storage Area Admin & Pad	52635F	100-000	\$6,000	N	\$6,000	New submission; FY22 FYDP not submitted previously	New
Guard	26	3830	LTUY209002	Jefferson Barracks ANG Station	MO	Consolidated Air Operations Group	52276F	171-447	\$21,000	C	\$21,000	New submission; FY22 FYDP not submitted previously	New
Guard	26	3830	TQKD189125	Portland International Airport	OR	Special Tactics Complex, Phase 1	52276F	141-454	\$20,000	C	\$20,000	New submission; FY22 FYDP not submitted previously	New
Guard	26	3830	DDPM259001	Carswell Air Reserve Station	TX	C-130J ADAL Maintenance Hangar Building 1676	52635F	100-000	\$14,900	N	\$14,900	New submission; FY22 FYDP not submitted previously	
Guard	26	3830	AAAA199902	VARIOUS LOCATIONS	VS	F-15EX Flight Simulator Facility	52635F	100-000	\$20,000	N	\$20,000	New submission; FY22 FYDP not submitted previously	New
Guard	26	3830	AAAA219001	VARIOUS LOCATIONS	VS	F-15EX Munitions Maintenance & Inspection Facility	52635F	100-000	\$10,000	N	\$10,000	New submission; FY22 FYDP not submitted previously	New
Guard	26	3830	AAAA219002	VARIOUS LOCATIONS	VS	F-15EX Weapons Load Training Facility	52635F	100-000	\$15,000	N	\$15,000	New submission; FY22 FYDP not submitted previously	New
Guard	26	3830	PAYZ260006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	\$37,068	C	\$37,068	New submission; FY22 FYDP not submitted previously	
Guard	26	3830	PAYZ260005	Unspecified	VL	Planning and Design	52276F	961-000	\$31,319	C	\$31,319	New submission; FY22 FYDP not submitted previously	
						<b>Total Major Construction</b>			<b>\$206,587</b>				
Guard	27	3830	XHEA029101	Morris Air National Guard Base	AZ	Construct Munitions Storage Complex	52276F	216-642	\$20,000	C	\$20,000	New submission; FY22 FYDP not submitted previously	New
Guard	27	3830	XHEA109012	Morris Air National Guard Base	AZ	Base Entry Complex	52276F	730-839	\$10,000	C	\$10,000	New submission; FY22 FYDP not submitted previously	
Guard	27	3830	LSGA219010	Jacksonville International Airport	FL	F-35 Construct Munitions Maintenance & Inspection Facility	52635F	100-000	\$9,700	N	\$9,700	New submission; FY22 FYDP not submitted previously	New
Guard	27	3830	XHZG899515	Tulsa International Airport	OK	Munitions Storage Area	52276F	216-642	\$30,000	C	\$30,000	New submission; FY22 FYDP not submitted previously	
Guard	27	3830	TQKD999999	Portland International Airport	OR	Special Tactics Complex, Phase 2	52276F	141-454	\$35,000	C	\$35,000	New submission; FY22 FYDP not submitted previously	New
Guard	27	3830	TWLR159090	Quonset State Airport	RI	Consolidated Headquarters Medical & Dining Facility	52276F	171-445	\$35,000	C	\$35,000	New submission; FY22 FYDP not submitted previously	
Guard	27	3830	PAYZ270006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	\$32,406	C	\$32,406	New submission; FY22 FYDP not submitted previously	
Guard	27	3830	PAYZ270005	Unspecified	VL	Planning and Design	52276F	961-000	\$21,332	C	\$21,332	New submission; FY22 FYDP not submitted previously	
						<b>Total Major Construction</b>			<b>\$193,438</b>				

**DEPARTMENT OF THE AIR FORCE  
AIR NATIONAL GUARD  
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2023**

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**SECTION III**

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**FUTURE YEARS DEFENSE PLAN (FYDP)**

**STATE/INSTALLATION LISTING**

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

Component	FY	APPM	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount (\$000)	Msn	Change from FY22 PB	Explanation of Changes	Footprint
Guard	26	3830	FXSB169026	Joint Base Elmendorf Richardson	AK	Base Supply Complex	52276F	442-758	\$24,500	C	\$24,500	New submission; FY22 FYDP not submitted previously	
Guard	26	3830	FAKZ039172	Montgomery Regional Airport (ANG) Base	AL	F-35 Weapons Load Crew Training Facility	52635F	171-875	\$6,800	N	\$6,800	New submission; FY22 FYDP not submitted previously	New
Guard	24	3830	XHEA999163	Tucson International Airport	AZ	MCCA: Aircraft Arresting System (New RWY)	52276F	112-211	\$9,400	C	\$9,400	New submission; FY22 FYDP not submitted previously	New
Guard	27	3830	XHEA029101	Tucson International Airport	AZ	Construct Munitions Storage Complex	52276F	216-642	\$20,000	C	\$20,000	New submission; FY22 FYDP not submitted previously	New
Guard	27	3830	XHEA109012	Morris Air National Guard Base	AZ	Base Entry Complex	52276F	730-839	\$10,000	C	\$10,000	New submission; FY22 FYDP not submitted previously	New
Guard	25	3830	CRWU139039	Buckley Air Force Base	CO	Aircraft Corrosion Control	52276F	211-159	\$12,000	C	\$12,000	New submission; FY22 FYDP not submitted previously	New
Guard	27	3830	LSGA219015	Jacksonville International Airport	FL	F-35 Construct MSA Admin & Equip Pad	52635F	100-000	\$6,000	N	\$6,000	New submission; FY22 FYDP not submitted previously	New
Guard	26	3830	LSGA219010	Jacksonville International Airport	FL	F-35 Construct Munitions Maintenance & Inspection Facility	52635F	100-000	\$9,700	N	\$9,700	New submission; FY22 FYDP not submitted previously	
Guard	25	3830	LSGA219002	Jacksonville International Airport	FL	F-35: Const Weapons Load Trng	52635F	100-000	\$8,000	N	\$8,000	New submission; FY22 FYDP not submitted previously	
Guard	26	3830	LTUY209002	Jefferson Barracks ANG Station	MO	Consolidated Air Operations Group	52276F	171-447	\$21,000	C	\$21,000	New submission; FY22 FYDP not submitted previously	New
Guard	24	3830	WKVB089049	Francis S. Gabreski Airport	NY	Logistics Readiness Complex	52276F	442-758	\$24,000	C	\$24,000	New submission; FY22 FYDP not submitted previously	
Guard	27	3830	XHZG899515	Tulsa International Airport	OK	Munitions Storage Area	52276F	216-642	\$30,000	C	\$30,000	New submission; FY22 FYDP not submitted previously	New
Guard	26	3830	TQKD189125	Portland International Airport	OR	Special Tactics Complex, Phase 1	52276F	141-454	\$20,000	C	\$20,000	New submission; FY22 FYDP not submitted previously	New
Guard	27	3830	TQKD999999	Portland International Airport	OR	Special Tactics Complex, Phase 2	52276F	141-454	\$35,000	C	\$35,000	New submission; FY22 FYDP not submitted previously	New
Guard	27	3830	TWLR159090	Quonset State Airport	RI	Consolidated Headquarters, Medical & Dining Facility	52276F	171-445	\$35,000	C	\$35,000	New submission; FY22 FYDP not submitted previously	

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

Component	FY	APPM	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount (\$000)	Msn	Change from FY22 PB	Explanation of Changes	Footprint
Guard	24	3830	LUXC079134	Joe Foss Field	SD	Corrosion Control & Maintenance Hangar	52276F	211-111	\$31,000	C	\$31,000	New submission; FY22 FYDP not submitted previously	New
Guard	24	3830	DDPM239001	Carswell Air Reserve Station	TX	C-130J: ADAL Fuel Cell Building 1674	C5116F	141-454	\$13,100	N	\$13,100	New submission; FY22 FYDP not submitted previously	
Guard	26	3830	DDPM259001	Carswell Air Reserve Station	TX	C-130J: ADAL Maintenance Hangar Building 1676	52635F	100-000	\$14,900	N	\$14,900	New submission; FY22 FYDP not submitted previously	
Guard	24	3830	PAYZ240005	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	\$30,903	C	\$30,903	New submission; FY22 FYDP not submitted previously	
Guard	24	3830	PAYZ240006	Unspecified	VL	Planning and Design	52276F	961-000	\$29,350	C	\$29,350	New submission; FY22 FYDP not submitted previously	
Guard	25	3830	PAYZ250005	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	\$31,287	C	\$31,287	New submission; FY22 FYDP not submitted previously	
Guard	25	3830	PAYZ250006	Unspecified	VL	Planning and Design	52276F	961-000	\$14,998	C	\$14,998	New submission; FY22 FYDP not submitted previously	
Guard	26	3830	PAYZ260006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	\$33,368	C	\$33,368	New submission; FY22 FYDP not submitted previously	
Guard	26	3830	PAYZ260005	Unspecified	VL	Planning and Design	52276F	961-000	\$27,319	C	\$27,319	New submission; FY22 FYDP not submitted previously	
Guard	27	3830	PAYZ270006	Unspecified	VL	Unspecified Minor Construction	52276F	962-000	\$22,606	C	\$22,606	New submission; FY22 FYDP not submitted previously	
Guard	27	3830	PAYZ270005	Unspecified	VL	Planning and Design	52276F	961-000	\$23,032	C	\$23,032	New submission; FY22 FYDP not submitted previously	
Guard	25	3830	AAAA199005	VARIOUS LOCATIONS	VS	C-130J Fuel Cell Hangar	C5116F	100-000	\$5,400	N	\$5,400	New submission; FY22 FYDP not submitted previously	New
Guard	25	3830	AAAA199111	VARIOUS LOCATIONS	VS	F-15EX Flight Simulator Facility	52635F	100-000	\$20,000	N	\$20,000	New submission; FY22 FYDP not submitted previously	New
Guard	26	3830	AAAA219002	VARIOUS LOCATIONS	VS	F-15EX Weapons Load Training Facility	52636F	100-000	\$15,000	N	\$15,000	New submission; FY22 FYDP not submitted previously	New
Guard	26	3830	AAAA199902	VARIOUS LOCATIONS	VS	F-15EX Flight Simulator Facility	52635F	100-000	\$20,000	N	\$20,000	New submission; FY22 FYDP not submitted previously	New
Guard	26	3830	AAAA219001	VARIOUS LOCATIONS	VS	F-15EX Munitions Maintenance & Inspection Facility	52636F	100-000	\$10,000	N	\$10,000	New submission; FY22 FYDP not submitted previously	New
Guard	24	3830	LYBH219001	McLaughlin Air National Guard Base	WV	C-130J Apron Expansion	C5116F	100-000	\$7,500	N	\$7,500	New submission; FY22 FYDP not submitted previously	New

