

AIR NATIONAL GUARD

**Fiscal Year (FY) 2021
BUDGET ESTIMATES**



**MILITARY CONSTRUCTION BUDGET
ESTIMATES PROGRAM YEAR 2021**

Justification Data Submitted to Congress

February 2020

**DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2021**

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**SUMMARY PROJECT LIST
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2021**

STATE	INSTALLATION AND PROJECT	AUTH AMOUNT (\$000)	APPN AMOUNT (\$000)	PAGE NO.
ALABAMA	Montgomery Regional Airport (ANG) Base F-35 Simulator Facility	<u>11,600</u> 11,600	<u>11,600</u> 11,600	II-1
GUAM	Joint Region Marianas Space Control Facility #5	<u>20,000</u> 20,000	<u>20,000</u> 20,000	II-6
MARYLAND	Joint Base Andrews F-16 Mission Training Center	<u>9,400</u> 9,400	<u>9,400</u> 9,400	II-11
TEXAS	Joint Base San Antonio F-16 Mission Training Center	<u>10,800</u> 10,800	<u>10,800</u> 10,800	II-16
	SUB-TOTAL -- MAJOR CONSTRUCTION	<u>51,800</u>	<u>51,800</u>	
	PLANNING AND DESIGN		3,414	II-21
	UNSPECIFIED MINOR CONSTRUCTION		9,000	II-23
	SUB - TOTAL -- SUPPORT COSTS		<u>12,414</u>	
	GRAND TOTAL - FY 2021 REQUEST	51,800	64,214	

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**NEW MISSION/CURRENT MISSION EXHIBIT
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2021**

LOCATION	PROJECT	COST (\$000)	CURRENT/ NEW/ENV
Montgomery Regional Airport (ANG) Base, AL	F-35 Simulator Facility	11,600	N
Joint Region Marianas, GU	Space Control Facility #5	20,000	N
Joint Base Andrews, MD	F-16 Mission Training Center	9,400	N
Joint Base San Antonio, TX	F-16 Mission Training Center	10,800	N
	PLANNING AND DESIGN	3,414	
	UNSPECIFIED MINOR CONSTRUCTION	9,000	
	TOTAL ENERGY	0	
	TOTAL ENVIRONMENTAL	0	
	TOTAL NEW MISSION (4)	51,800	
	TOTAL CURRENT MISSION (0)	0	
	GRAND TOTAL - FY 2021 REQUEST	64,214	

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**DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2021**

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, \$64,214,000 to remain available until September 30, 2025.

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 2021**

SECTION II

PROJECT INSTALLATION / JUSTIFICATION DATA

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1. COMPONENT ANG	FY 2021 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE FEB 2020													
3. INSTALLATION AND LOCATION MONTGOMERY REGIONAL AIRPORT (ANG) BASE, MONTGOMERY				4. AREA CONSTR COST INDEX .88													
5. FREQUENCY AND TYPE OF UTILIZATION Twenty-four monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force for training.																	
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS One Active AFB - 5 miles, one Marine Reserve - 12 miles, three Army Reserves - 10 - 15 miles, five Army National Guard Units - 2-12 miles and two Air National Guard Units - 5 miles.																	
7. PROJECTS REQUESTED IN THIS PROGRAM																	
<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">CATEGORY CODE</th> <th style="text-align: left; border-bottom: 1px solid black;">PROJECT TITLE</th> <th style="text-align: left; border-bottom: 1px solid black;">SCOPE</th> <th style="text-align: left; border-bottom: 1px solid black;">COST \$(000)</th> <th style="text-align: left; border-bottom: 1px solid black;">DESIGN STATUS START</th> <th style="text-align: left; border-bottom: 1px solid black;">COMPLETE</th> </tr> </thead> <tbody> <tr> <td>171-212</td> <td>F-35 Simulator Facility</td> <td>1,765 SM (19,000 SF)</td> <td>11,600</td> <td>Dec 18</td> <td>Feb 20</td> </tr> </tbody> </table>						CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	DESIGN STATUS START	COMPLETE	171-212	F-35 Simulator Facility	1,765 SM (19,000 SF)	11,600	Dec 18	Feb 20
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	DESIGN STATUS START	COMPLETE												
171-212	F-35 Simulator Facility	1,765 SM (19,000 SF)	11,600	Dec 18	Feb 20												
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: Unilateral Construction Approved																	
				<u>07 Feb 17</u> (Date)													
9. LAND ACQUISITION REQUIRED																	
				<u>None</u> (Number of Acres)													
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>141-753</td> <td>TFI - Replace Squadron Operations Facility</td> <td>2,769 SM (29,800 SF)</td> <td>9,600</td> </tr> <tr> <td></td> <td>R&M Unfunded Requirement: \$</td> <td></td> <td>40,800</td> </tr> </tbody> </table>						CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	141-753	TFI - Replace Squadron Operations Facility	2,769 SM (29,800 SF)	9,600		R&M Unfunded Requirement: \$		40,800
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)														
141-753	TFI - Replace Squadron Operations Facility	2,769 SM (29,800 SF)	9,600														
	R&M Unfunded Requirement: \$		40,800														

1. COMPONENT ANG	FY 2021 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE FEB 2020		
3. INSTALLATION AND LOCATION MONTGOMERY REGIONAL AIRPORT (ANG) BASE, MONTGOMERY							
11. PERSONNEL STRENGTH AS OF 05 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	315	8	80	227	1,104	121	983
ACTUAL	315	8	80	227	994	113	881
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>		<u>STRENGTH</u>		<u>ACTUAL</u>	
	100 Fighter Squadron	29				28	
	187 Aircraft Maintenance Squadron	228				147	
	187 Civil Engineering Squadron	92				90	
	187 Communication Flight	31				34	
	187 Comptroller Flight	13				15	
	187 Force Support Squadron	39				38	
	187 Fighter Wing	45				40	
	187 Logistics Readiness Squadron	76				71	
	187 Medical Group	89				81	
	187 Maintenance Operations Flight	22				16	
	187 Mission Support Group	13				15	
	187 Maintenance Group	26				23	
	187 Maintenance Squadron	256				172	
	187 Operations Group	14				9	
	187 Operations Support Squadron	36				35	
	187 Security Forces Squadron	73				73	
	187 Student Flight	<u>22</u>				<u>175</u>	
	TOTALS	1,104				1,062	
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ACTUAL</u>			
	F-16	18				24	
	Support Equipment	3,722				4,061	
	Vehicle Equivalentents	240				240	
	Vehicles	86				83	

1. COMPONENT ANG	FY 2021 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE FEB 2020
3. INSTALLATION AND LOCATION MONTGOMERY REGIONAL AIRPORT (ANG) BASE, ALABAMA			4. PROJECT TITLE F-35 SIMULATOR FACILITY	
5. PROGRAM ELEMENT 52635F	6. CATEGORY CODE 171-212	7. PROJECT NUMBER FAKZ189019	8. PROJECT COST(\$000) \$11,600	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
F-35 SIMULATOR FACILITY	SM	1,765		9,974
FLIGHT SIMULATOR FACILITY (171212)	SM	1,765	5,651	(9,974)
SUPPORTING FACILITIES				420
SPECIAL FOUNDATION	LS			(100)
UTILITIES	LS			(50)
PAVEMENTS	LS			(75)
SITE IMPROVEMENTS	LS			(75)
SECURITY ALARMS	LS			(50)
COMMUNICATIONS SUPPORT	LS			(70)
ENERGY AND SUSTAINABILITY MEASURES	LS			90
SUBTOTAL				10,484
CONTINGENCY (5%)				524
TOTAL CONTRACT COST				11,008
SUPERVISION, INSPECTION AND OVERHEAD (6%)				660
TOTAL REQUEST				11,668
TOTAL REQUEST (ROUNDED)				11,600
10. Description of Proposed Construction: Construct a 4-ship F-35 simulator training 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: 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: 1,765 SM ADEQUATE: 0 SM SUBSTANDARD: 1,765 SM PROJECT: F-35 Simulator Facility (New Mission) REQUIREMENT: The installation requires properly sited, adequately sized, and appropriately configured facilities to support 18 PAA F-35 aircraft. Specifically needed is a facility to support a new 4-ship F-35 training simulator capable of housing 4 simulator bays, briefing rooms, training rooms, administrative support areas, storage, and latrine space, certified to ICD/ICS 705 standards. Each simulator bay must be large enough to accommodate an eight channel, 360-degree field of view) display with sufficient space to facilitate installation, removal, operation, and servicing. CURRENT SITUATION: The installation is scheduled to receive the F-35 aircraft, and with that bed down, new F-35 flight simulators will also be provided. There is no excess or otherwise suitable existing space to bed down the simulator devices and conduct supporting training and maintenance activities. This function is ideally suited for inclusion in or near the Squadron Operations facility, but that building is already at capacity and cannot accommodate this enhancement. No other facility is available to appropriately accommodate this function as well. The function needs to be in close				

1. COMPONENT ANG	FY 2021 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE FEB 2020								
3. INSTALLATION AND LOCATION										
MONTGOMERY REGIONAL AIRPORT (ANG) BASE, ALABAMA										
5. PROJECT TITLE F-35 SIMULATOR FACILITY	7. PROJECT NUMBER FAKZ189019									
<p>proximity to Squadron Operations and the flight line in order to maximize training value and support efficient flight operations and aircrew training and management.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Failure to bed down the new F-35 simulators on time will delay the new mission standup at Montgomery Regional Airport. This will result in the unit being unable to gain maximum efficiency in the training, proficiency, and mission readiness of its fighter pilots. According to the Air Combat Command F-35A Fleet Basing Strategy: The Full Mission Simulators (FMS) "will be integral to achieving operational training requirements." Lack of realistic multi-aircraft, multi-platform combat training directly and severely reduces the mission effectiveness and combat readiness of the Wing. Personnel would need to perform temporary duty elsewhere in order to obtain requisite training, resulting in increased costs for travel and increased time away from the installation and other duty assignments for personnel. Personnel utilization would be highly inefficient. High value, state-of-the-art equipment would go un-used and occupy space in storage. The unit would not achieve mission readiness status without this facility; the aircraft's bed down would have been ineffective.</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. 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> <p>Weapon System Trainer (WST)/Simulator expected arrival is first quarter of FY23.</p> <table border="0" data-bbox="235 1207 1421 1281"> <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>1,765 SM</td> <td>0 SM</td> <td>1,765 SM</td> </tr> </tbody> </table> <p>FLIGHT SIMULATOR FACILITY (171212) 1,765 SM = 19,000 SF</p>			CatCode	Requirement	Adequate	Substandard	171-212 FLGHT SIMULATOR TRAINING	1,765 SM	0 SM	1,765 SM
CatCode	Requirement	Adequate	Substandard							
171-212 FLGHT SIMULATOR TRAINING	1,765 SM	0 SM	1,765 SM							

1. COMPONENT ANG	FY 2021 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE FEB 2020	
3. INSTALLATION AND LOCATION MONTGOMERY REGIONAL AIRPORT (ANG) BASE, ALABAMA			
5. PROJECT TITLE F-35 SIMULATOR FACILITY		7. PROJECT NUMBER FAKZ189019	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started		DEC 2018	
(b) Parametric Cost Estimates used to develop costs		No	
(c) Percent Complete as of Jan 2020		90%	
* (d) Date 35% Designed		MAR 2019	
(e) Date Design Complete		FEB 2020	
(f) Type of Design Contract		IDIQ	
(g) Energy Study/Life-Cycle analysis was/will be performed		No	
(2) Basis:			
(a) Standard or Definitive Design -		No	
(b) Where Design Was Most Recently Used -			
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications		549	
(b) All Other Design Costs		294	
(c) Total		843	
(d) Contract		843	
(e) In-House		0	
(4) Contract Award (Month/Year)		JAN 2021	
(5) Construction Start		JUL 2021	
(6) Construction Completion		JUN 2022	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.			
b. Equipment associated with this project will be provided from other appropriations: N/A			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FY APPROPRIATED OR REQUESTED	COST (\$000)
Four F-35 Flight Simulators and One Multi-Spectral Database (MSDB)	3010	2 Simulators and MSDB in FY22 2 Simulators in FY23	28,000 21,000
POINT OF CONTACT: NGB/A4AD (240) 612-7005			

1. COMPONENT ANG	FY 2021 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE FEB 2020													
3. INSTALLATION AND LOCATION JOINT REGION MARIANAS, GUAM				4. AREA CONSTR COST INDEX 2.50													
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual training per year and daily use by AGR force for storage of the following areas: unit office areas: unit type codes (UTCs) equipment supply listings; UTCs mobility bags;and UTA training equipment.																	
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS 1 Air Force Reserve, 1 Army National Guard , 2 Army Reserve Installations, 1 U. S. Navy Reserve, 2 US Naval Installations, 1 U. S. 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 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>141-454</td> <td>Space Control Facility #5</td> <td>1,096 SM (11,800 SF)</td> <td>40,000</td> <td>Dec 19</td> <td>May 21</td> </tr> </tbody> </table>						CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	DESIGN STATUS START	COMPLETE	141-454	Space Control Facility #5	1,096 SM (11,800 SF)	40,000	Dec 19	May 21
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	DESIGN STATUS START	COMPLETE												
141-454	Space Control Facility #5	1,096 SM (11,800 SF)	40,000	Dec 19	May 21												
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: Facilities identified in item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommendations are: - No joint use type facilities discussed in meeting. <p style="text-align: right;">27 August 2013</p>																	
9. LAND ACQUISITION REQUIRED				None (Number of Acres)													
10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">CATEGORY CODE</th> <th style="text-align: left; border-bottom: 1px solid black;">PROJECT TITLE</th> <th style="text-align: left; border-bottom: 1px solid black;">SCOPE</th> <th style="text-align: left; border-bottom: 1px solid black;">COST \$(000)</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)								
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)														

1. COMPONENT ANG	FY 2021 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE FEB 2020		
3. INSTALLATION AND LOCATION JOINT REGION MARIANAS, GUAM							
11. PERSONNEL STRENGTH AS OF 01 Apr 19							
		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	43	8	32	3	307	30	277
ACTUAL	40	8	29	3	390	29	361
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>			<u>STRENGTH</u>			
				<u>AUTHORIZED</u>			<u>ACTUAL</u>
	254 Air Base Group			30			52
	254 Comptroller Flight			8			11
	254 Force Support Squadron			46			55
	254 Red Horse Squadron			162			153
	254 Security Forces Squadron			73			81
	254 Student Flight			5			22
	HQ GUANG			<u>15</u>			<u>16</u>
		TOTALS		<u>339</u>			<u>390</u>
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>			<u>AUTHORIZED</u>			<u>ACTUAL</u>
	Support Equipment			11			11

1. COMPONENT ANG	FY 2021 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE FEB 2020
3. INSTALLATION AND LOCATION JOINT REGION MARIANAS, GUAM			4. PROJECT TITLE SPACE CONTROL FACILITY #5	
5. PROGRAM ELEMENT C5116F	6. CATEGORY CODE 141-454	7. PROJECT NUMBER AJJY209007	8. PROJECT COST(\$000) \$20,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
SPACE CONTROL FACILITY	SF	12,100		9,429
ADMINISTRATION AREA (141454)	SF	3,000	700	(2,100)
OPERATIONAL AREA (141454)	SF	3,600	1,400	(5,040)
MAINTENANCE AREA (141154)	SF	5,200	420	(2,184)
HAZARDOUS STORAGE (442257)	SF	300	349	(105)
SUPPORTING FACILITIES	LS			7,875
UTILITIES	LS			(750)
ELECTRICAL/BACK UP POWER	LS			(1,200)
EQUIPMENT PAD	SY	2,500	250	(625)
PAVEMENTS	SY	2,500	150	(375)
SITE IMPROVEMENTS	LS			(875)
MUNITIONS EXPLOSIVE CLEARANCE - MEC	LS			(750)
COMM SUPPORT	LS			(750)
SUSTAINABILITY AND ENERGY MEASURES	LS			(250)
CONSTRUCTION SECURITY PLAN	LS			(1,500)
CONSTRUCTION SUPPORT	LS			(800)
SUBTOTAL				17,304
CONTINGENCY (5%)				865
TOTAL CONTRACT COST				18,169
SUPERVISION, INSPECTION AND OVERHEAD (6%)				1,090
DESIGN BUILD COST (4% of SUBTOTAL)				800
TOTAL REQUEST				20,059
TOTAL REQUEST (ROUNDED)				20,000
10. Description of Proposed Construction: Construct a Space Control Facility utilizing conventional design and construction methods. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and Sustainable Building Requirements. This facility will be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria. Special Construction Requirements: Provide for open floor plan with Secure Compartmentalized Information Facility (SCIF) space capable of accommodating 88 personnel. Exterior site improvements, equipment pad, utility services, roadways, sidewalks, parking lots, access pavements, drainage, fencing, and gates. HAZMAT Storage to include space for fuel storage, used oil depository and flammable storage locker. Facility and equipment require Protection Level 3. Air Conditioning: 50 Tons.				
11. REQUIREMENT: 12,100 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF PROJECT: Space Control Facility (New Mission) REQUIREMENT: The Wing requires an adequately sized and properly configured space to support a Space Control Squadron functions in accordance with force structure changes identified by the FY19 Program Action Memorandum. The facility must provide adequate space to support the squadron's operations, maintenance, security, command and administration, and storage areas. Facility must have an unobstructed view of the southern horizon.				

1. COMPONENT ANG	FY 2021 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE FEB 2020																							
3. INSTALLATION AND LOCATION JOINT REGION MARIANAS, GUAM																									
5. PROJECT TITLE SPACE CONTROL FACILITY #5	7. PROJECT NUMBER AJJY209007																								
<p><u>CURRENT SITUATION</u>: A new Space Control Squadron with 88 personnel will be assigned to Guam Air National Guard on Amdersen AFB. Site surveys conducted indicate that no facilities are available to support Full Operational Capability as required by the users.</p> <p><u>IMPACT IF NOT PROVIDED</u>: Unable to beddown the space control mission and equipment, with operational and strategic mission impacts due to inadequate facilities.</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. An economic analysis is being prepared comparing the alternatives of new construction, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction will be the most cost efficient alternative over the life of the project.</p>																									
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1. COMPONENT ANG	FY 2021 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE FEB 2020																												
3. INSTALLATION AND LOCATION JOINT REGION MARIANAS, GUAM																														
5. PROJECT TITLE SPACE CONTROL FACILITY#5		7. PROJECT NUMBER AJJY209007																												
<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>DEC 2019</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 2020</td> <td>2%</td> </tr> <tr> <td>* (d) Date 35% Designed</td> <td>SEP 2020</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>MAY 2021</td> </tr> <tr> <td>(f) Type of Design Contract</td> <td>Design-Build</td> </tr> <tr> <td>(g) Energy Study/Life-Cycle analysis was/will be performed</td> <td>No</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>No</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>1,800</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>500</td> </tr> <tr> <td>(c) Total</td> <td>2,300</td> </tr> <tr> <td>(d) Contract</td> <td>2,300</td> </tr> <tr> <td>(e) In-House</td> <td></td> </tr> </table> <p>(4) Contract Award (Month/Year) NOV 2020</p> <p>(5) Construction Start JUN 2021</p> <p>(6) Construction Completion FEB 2023</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	DEC 2019	(b) Parametric Cost Estimates used to develop costs	No	(c) Percent Complete as of Jan 2020	2%	* (d) Date 35% Designed	SEP 2020	(e) Date Design Complete	MAY 2021	(f) Type of Design Contract	Design-Build	(g) Energy Study/Life-Cycle analysis was/will be performed	No	(a) Standard or Definitive Design -	No	(b) Where Design Was Most Recently Used -		(a) Production of Plans and Specifications	1,800	(b) All Other Design Costs	500	(c) Total	2,300	(d) Contract	2,300	(e) In-House	
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1. COMPONENT ANG	FY 2021 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE FEB 2020													
3. INSTALLATION AND LOCATION JOINT BASE ANDREWS, MARYLAND				4. AREA CONSTR COST INDEX 1.00													
5. FREQUENCY AND TYPE OF UTILIZATION Two 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 (1) Air Force Reserve, one (1) Army Reserve, one (1) Active Air Force Base, one (1) Navy Reserve and one (1) Army National Guard Unit																	
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CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	DESIGN STATUS START	COMPLETE												
171-212	F-16 Mission Training Center	1208 SM (13,000 SF)	9,400	Sep 18	Jan 20												
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: Unilateral Construction Approved 22 Mar 17 (Date)																	
9. LAND ACQUISITION REQUIRED (Number of Acres)																	
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	R&M Unfunded Requirement: \$		10,500														

1. COMPONENT ANG	FY 2021 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE FEB 2020		
3. INSTALLATION AND LOCATION JOINT BASE ANDREWS, MARYLAND							
11. PERSONNEL STRENGTH AS OF 19 Apr 19							
		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	730	55	330	345	1,312	173	1,139
ACTUAL	686	49	294	343	1,300	173	1,127
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>		<u>STRENGTH</u>		<u>ACTUAL</u>	
	113 Aircraft Maintenance Squadron	230				186	
	113 Civil Engineering Squadron	64				73	
	113 Communication Flight	30				42	
	113 Comptroller Flight	13				13	
	113 Force Support Squadron	38				46	
	113 Logistics Readiness Squadron	80				92	
	113 Medical Group	68				80	
	113 Maintenance Operations Flight	33				30	
	113 Mission Support Group	14				15	
	113 Maintenance Group	41				32	
	113 Maintenance Squadron	252				193	
	113 Operations Group	9				9	
	113 Operations Support Squadron	44				42	
	113 Security Forces Squadron	60				65	
	113 Student Flight	14				88	
	113 Wing	51				57	
	121 Fighter Squadron	30				26	
	121 Weather Flight	11				11	
	201 Airlift Squadron	81				70	
	213 Maintenance Squadron	56				57	
	HQ ANG State Headquarters	93				73	
	TOTALS	1,312				1,300	
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ACTUAL</u>			
	C-40	3				3	
	F-16	18				23	
	Support Equipment	227				227	
	Vehicle Equivalents	288				290	
	Vehicles	145				141	

1. COMPONENT ANG	FY 2021 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE FEB 2020	
3. INSTALLATION AND LOCATION JOINT BASE ANDREWS, MARYLAND			4. PROJECT TITLE F-16 MISSION TRAINING CENTER		
5. PROGRAM ELEMENT 52620F	6. CATEGORY CODE 171-212	7. PROJECT NUMBER AJXF189013	8. PROJECT COST(\$000) \$9,400		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
CONSTRUCT 4-SHIP F-16 MTC FACILITY		SM	1,208		7,411
MISSION TRAINING CENTER (171212)		SM	1,208	6,135	(7,411)
SUPPORTING FACILITIES					925
UTILITIES		LS			(200)
PAVEMENTS		LS			(150)
SITE IMPROVEMENTS		LS			(325)
ALARMS		LS			(75)
COMMUNICATIONS SUPPORT		LS			(175)
ENERGY AND SUSTAINABILITY MEASURES		LS			125
SUBTOTAL					8,461
CONTINGENCY (5%)					423
TOTAL CONTRACT COST					8,884
SUPERVISION, INSPECTION AND OVERHEAD (6%)					533
TOTAL REQUEST					9,417
TOTAL REQUEST (ROUNDED)					9,400
10. Description of Proposed Construction: Construct a 4-ship F-16 Mission Training Center (MTC) 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: Raised flooring as required, high bay area for simulators, and Secure Compartmentalized Information Facility (SCIF) specifications and construction in accordance with ICD/ICS 705 is necessary for most of the facility. Air Conditioning: 105 KW.					
11. REQUIREMENT: 1,208 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM PROJECT: Construct 4-Ship F-16 Mission Training Center (New Mission) REQUIREMENT: The installation requires a facility to support a new 4-ship F-16 MTC simulator capable of housing 4 simulator bays, training rooms, administrative support areas, storage, and latrine space, certified to ICD/ICS 705 standards. Each simulator bay must be large enough to accommodate an eight channel, 360-degree field of view) display with sufficient space to facilitate installation, removal, operation, and servicing. CURRENT SITUATION: The installation is scheduled to receive mission training systems, and the base does not possess excess or suitable space to bed down the simulator devices and conduct supporting training and maintenance activities. The Mission Training Center is ideally suited for inclusion in or near the Squadron Operations facility, but that building is already at capacity and cannot accommodate this enhancement. No other facility is available to appropriately accommodate this function as well. The function needs to be in close proximity to Squadron Operations and the flight line in order to maximize training value and support efficient flight operations and aircrew training and management.					

1. COMPONENT ANG	FY 2021 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE FEB 2020								
3. INSTALLATION AND LOCATION JOINT BASE ANDREWS, MARYLAND										
5. PROJECT TITLE F-16 MISSION TRAINING CENTER	7. PROJECT NUMBER AJXF189013									
<p><u>IMPACT IF NOT PROVIDED:</u> The unit would not be able to gain maximum efficient in the training, proficiency, and mission readiness of its fighter pilots without this facility and possession of its advance training capability. Lack of realistic multi-aircraft, multi-platform combat training directly and severely reduces the mission effectiveness and combat readiness of the Wing. Personnel would need to perform temporary duty elsewhere in order to obtain requisite training, resulting in increased costs for travel and increased time away from the installation and other duty assignments for personnel. Personnel utilization would be highly inefficient. High value, state-of-the-art equipment would go un-used occupy space in storage.</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. 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="235 976 1412 1039"> <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>1,208 SM</td> <td>0 SM</td> <td>0 SM</td> </tr> </tbody> </table> <p>MISSION TRAINING CENTER (171212) 1,208 SM = 13,000 SF</p>			CatCode	Requirement	Adequate	Substandard	171-212 FLGHT SIMULATOR TRAINING	1,208 SM	0 SM	0 SM
CatCode	Requirement	Adequate	Substandard							
171-212 FLGHT SIMULATOR TRAINING	1,208 SM	0 SM	0 SM							

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3. INSTALLATION AND LOCATION JOINT BASE ANDREWS, MARYLAND			
5. PROJECT TITLE F-16 MISSION TRAINING CENTER		7. PROJECT NUMBER AJXF189013	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started		SEP 2018	
(b) Parametric Cost Estimates used to develop costs		No	
(c) Percent Complete as of Jan 2020		90%	
* (d) Date 35% Designed		AUG 2019	
(e) Date Design Complete		JAN 2020	
(f) Type of Design Contract		IDIQ	
(g) Energy Study/Life-Cycle analysis was/will be performed		No	
(2) Basis:			
(a) Standard or Definitive Design -		No	
(b) Where Design Was Most Recently Used -			
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications		299	
(b) All Other Design Costs		259	
(c) Total		658	
(d) Contract		658	
(e) In-House			
(4) Contract Award (Month/Year)		NOV 2020	
(5) Construction Start		JAN 2021	
(6) Construction Completion		MAR 2022	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.			
b. Equipment associated with this project will be provided from other appropriations: N/A			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FY APPROPRIATED OR REQUESTED	COST (\$000)
Four F-16 Flight Simulators	3010	2 Simulators in FY22 2 Simulators in FY23	7,000 7,000
POINT OF CONTACT: NGB/A4AD (240) 612-7005			

1. COMPONENT ANG	FY 2021 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE FEB 2020													
3. INSTALLATION AND LOCATION JOINT BASE SAN ANTONIO, TEXAS				4. AREA CONSTR COST INDEX .87													
5. FREQUENCY AND TYPE OF UTILIZATION Four (4) unit training assemblies per month, 15 days annual field training per year, daily use by technician/AGR force and for training. Year round pilot training for the Total Force.																	
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS Lackland AFB, Randolph AFB & Fort Sam Houston																	
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;"><u>DESIGN STATUS</u> START</th> <th style="text-align: left; border-bottom: 1px solid black;">COMPLETE</th> </tr> </thead> <tbody> <tr> <td>171-212</td> <td>F-16 Missing Training Center</td> <td>1412 SM (15,200 SF)</td> <td>10,800</td> <td>Oct 18</td> <td>Sep 20</td> </tr> </tbody> </table>						CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	<u>DESIGN STATUS</u> START	COMPLETE	171-212	F-16 Missing Training Center	1412 SM (15,200 SF)	10,800	Oct 18	Sep 20
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	<u>DESIGN STATUS</u> START	COMPLETE												
171-212	F-16 Missing Training Center	1412 SM (15,200 SF)	10,800	Oct 18	Sep 20												
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: Unilateral Construction Approved <div style="text-align: right; margin-right: 100px;"><u>20 Dec 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>171-212</td> <td>F-16 Missing Training Center</td> <td>1412 SM (15,200 SF)</td> <td>10,800</td> </tr> <tr> <td></td> <td>R&M Unfunded Requirement: \$</td> <td></td> <td>4,700</td> </tr> </tbody> </table>						CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	171-212	F-16 Missing Training Center	1412 SM (15,200 SF)	10,800		R&M Unfunded Requirement: \$		4,700
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1. COMPONENT ANG	FY 2021 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE FEB 2020		
3. INSTALLATION AND LOCATION JOINT BASE SAN ANTONIO, TEXAS							
11. PERSONNEL STRENGTH AS OF 29 Mar 19							
		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	359	41	277	41	854	122	732
ACTUAL	289	35	222	32	913	115	798
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>		<u>STRENGTH</u>		<u>ACTUAL</u>	
	149 Aircraft Maintenance Squadron	107		107		107	
	149 Civil Engineering Squadron	64		74		74	
	149 Communication Flight	30		29		29	
	149 Comptroller Flight	16		15		15	
	149 CRE	46		54		54	
	149 DET-1 Operations Group	15		12		12	
	149 Force Support Squadron	57		57		57	
	149 Fighter Wing	39		39		39	
	149 Logistics Readiness Squadron	74		66		66	
	149 Medical Group	43		54		54	
	149 Maintenance Operations Flight	24		22		22	
	149 Mission Support Group	13		12		12	
	149 Maintenance Group	21		14		14	
	149 Maintenance Squadron	151		153		153	
	149 Operations Group	8		7		7	
	149 Operations Support Squadron	37		35		35	
	149 Security Forces Squadron	60		71		71	
	149 Student Flight	18		64		64	
	182 Fighter Squadron	31		28		28	
	273 Cyber Operations Squadron	71		88		88	
	TOTALS	925		1,001		1,001	
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ACTUAL</u>			
	F-16	24		28			
	OGMVC	50		45			
	Vehicle Equivalent	115		115			
	Vehicles	159		134			

1. COMPONENT ANG	FY 2021 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE FEB 2020	
3. INSTALLATION AND LOCATION JOINT BASE SAN ANTONIO, TEXAS			4. PROJECT TITLE F-16 MISSION TRAINING CENTER		
5. PROGRAM ELEMENT 52620F	6. CATEGORY CODE 171-212	7. PROJECT NUMBER KELL189014	8. PROJECT COST(\$000) \$10,800		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
CONSTRUCT 4-SHIP F-16 MTC FACILITY		SM	1,412		9,119
MISSION TRAINING CENTER (171212)		SM	1,412	6,458	(9,119)
SUPPORTING FACILITIES					475
UTILITIES		LS			(125)
PAVEMENTS		LS			(125)
SITE IMPROVEMENTS		LS			(100)
ALARMS		LS			(50)
COMMUNICATIONS SUPPORT		LS			(75)
ENERGY AND SUSTAINABILITY MEASURES		LS			125
SUBTOTAL					9,719
CONTINGENCY (5%)					486
TOTAL CONTRACT COST					10,205
SUPERVISION, INSPECTION AND OVERHEAD (6%)					612
TOTAL REQUEST					10,817
TOTAL REQUEST (ROUNDED)					10,800
10. Description of Proposed Construction: Construct a Formal Training Unit (FTU) 4-ship F-16 Mission Training Center (MTC) 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: Raised flooring as required, high bay area for simulators, and Secure Compartmentalized Information Facility (SCIF) specifications and construction in accordance with ICD/ICS 705 is necessary for most of the facility. Air Conditioning: 105 KW.					
11. REQUIREMENT: 2,313 SM ADEQUATE: 902 SM SUBSTANDARD: 0 SM <u>PROJECT:</u> Construct 4-Ship F-16 Mission Training Facility (New Mission) <u>REQUIREMENT:</u> The installation requires a facility to support a new Formal Training Unit (FTU) 4-ship F-16 Mission Training Center (MTC) simulator capable of housing 4 simulator bays, training rooms, administrative support areas, storage, and latrine space, certified to ICD/ICS 705 standards. Each simulator bay must be large enough to accommodate an eight channel, 360-degree field of view) display with sufficient space to facilitate installation, removal, operation, and servicing. Additional briefing and support spaces are required to support the additional student load for the FTU. <u>CURRENT SITUATION:</u> The installation is scheduled to receive mission training systems, and the base does not possess excess or suitable space to bed down the simulator devices and conduct supporting training and maintenance activities. The Mission Training Center is ideally suited for inclusion in or near the Squadron Operations facility, but that building is already at capacity and cannot accommodate this enhancement. No other facility is available to appropriately accommodate this function as well. The function needs to be in close proximity to Squadron Operations and the flight line					

1. COMPONENT ANG	FY 2021 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE FEB 2020								
3. INSTALLATION AND LOCATION JOINT BASE SAN ANTONIO, TEXAS										
5. PROJECT TITLE F-16 MISSION TRAINING CENTER	7. PROJECT NUMBER KELL189014									
<p>in order to maximize training value and support efficient flight operations and aircrew training and management.</p> <p>IMPACT IF NOT PROVIDED: The unit would not be able to gain maximum efficient in the training, proficiency, and mission readiness of its fighter pilots without this facility and possession of its advance training capability. Lack of realistic multi-aircraft, multi-platform combat training directly and severely reduces the mission effectiveness and combat readiness of the Wing. Personnel would need to perform temporary duty elsewhere in order to obtain requisite training, resulting in increased costs for travel and increased time away from the installation and other duty assignments for personnel. Personnel utilization would be highly inefficient. High value, state-of-the-art equipment would go un-used occupy space in storage.</p> <p>ADDITIONAL: 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. 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 1045 1409 1113"> <thead> <tr> <th>CatCode</th> <th>Requirement</th> <th>Adequate</th> <th>Substandard</th> </tr> </thead> <tbody> <tr> <td>171-212 FLGHT SIMULATOR TRAINING</td> <td>2,313 SM</td> <td>902 SM</td> <td>0 SM</td> </tr> </tbody> </table> <p>MISSION TRAINING CENTER (171212) 1,412 SM = 15,200 SF</p>			CatCode	Requirement	Adequate	Substandard	171-212 FLGHT SIMULATOR TRAINING	2,313 SM	902 SM	0 SM
CatCode	Requirement	Adequate	Substandard							
171-212 FLGHT SIMULATOR TRAINING	2,313 SM	902 SM	0 SM							

1. COMPONENT ANG	FY 2021 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE FEB 2020	
3. INSTALLATION AND LOCATION JOINT BASE SAN ANTONIO, TEXAS			
5. PROJECT TITLE F-16 MISSION TRAINING CENTER		7. PROJECT NUMBER KELL189014	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started		OCT 2018	
(b) Parametric Cost Estimates used to develop costs		No	
(c) Percent Complete as of Jan 2020		35%	
* (d) (d) Date 35% Designed		JUN 2019	
(e) Date Design Complete		SEP 2020	
(f) Type of Design Contract		IDIQ	
(g) Energy Study/Life-Cycle analysis was/will be performed		No	
(2) Basis:			
(a) Standard or Definitive Design -		No	
(b) Where Design Was Most Recently Used -			
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications		547	
(b) All Other Design Costs		294	
(c) Total		841	
(d) Contract		841	
(e) In-House		0	
(4) Contract Award (Month/Year)		MAR 2021	
(5) Construction Start		APR 2021	
(6) Construction Completion		OCT 2022	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.			
N/A			
b. Equipment associated with this project will be provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FY APPROPRIATED OR REQUESTED	COST (\$000)
Four F-16 Flight Simulators	3010	2 Simulators in FY22 2 Simulators in FY23	7,000 7,000
POINT OF CONTACT: NGB/A4AD (240) 612-7005			

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

JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2021

APPROPRIATION:	MILITARY CONSTRUCTION	AIR NATIONAL GUARD
PROGRAM 313:	PLANNING AND DESIGN	\$3,414,000

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 2021 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE FEB 2020	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS			4. PROJECT TITLE PLANNING AND DESIGN		
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 961-000	7. PROJECT NUMBER PAYZ210005	8. PROJECT COST (\$000) \$3,414		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PLANNING AND DESIGN (P-313)		LS			3,414
SUBTOTAL					3,414
TOTAL CONTRACT COST					3,414
TOTAL REQUEST					3,414
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 2021 design funds are needed to complete the design for those projects that are to be included in the FY 2021 MILCON program and to begin the design for those projects to be included in the FY 2022 program. Funds also provide for design of the FY 2021 unspecified minor construction program. <u>CURRENT SITUATION:</u> The ANG requires the design money in FY 2021 to ensure the design milestones for the FY 2021 and FY 2022 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
AIR NATIONAL GUARD**

JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2021

APPROPRIATION:	MILITARY CONSTRUCTION	AIR NATIONAL GUARD
PROGRAM 341:	UNSPECIFIED MINOR CONSTRUCTION	\$9,000,000

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 2021 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE FEB 2020	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS			4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION		
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 962-000	7. PROJECT NUMBER PAYZ210006	8. PROJECT COST (\$000) \$9,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UNSPECIFIED MINOR CONSTRUCTION (P-341)		LS			9,000
SUBTOTAL					9,000
TOTAL CONTRACT COST					9,000
TOTAL REQUEST					9,000
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.					
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 2021**

SECTION III

FUTURE YEARS DEFENSE PLAN (FYDP)

FISCAL YEAR LISTING

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)	Change from FY20 PB	Explanation of Changes	Footprint
Guard	22	3830	FAKZ999088	Montgomery Regional Airport (ANG) Base	AL	Base Supply Complex	52276f	442-758	\$12,000			
Guard	22	3830	FAKZ039172	Montgomery Regional Airport (ANG) Base	AL	F-35 Weapons Load Crew Training Facility	52635f	171-875	\$6,800	(\$600)	Scope refinement during design	New
Guard	22	3830	TDVG029067	Alpena County Regional Airport	MI	Aircraft Maintenance Hangar/Shops	52276f	211-111	\$21,000	\$21,000	From FY21 UPL; New FYDP submission	
Guard	22	3830	LRXQ109002	Jackson International Airport	MS	Fire Crash and Rescue Station	52276f	130-142	\$9,300	\$1,300	Scope refinement during design	
Guard	22	3830	KKGA169022	Hector International Airport	ND	Consolidated RPA Operations Facility	52276f	141-753	\$17,500			
Guard	22	3830	EUBC009109	Camp Perry ANG Station	OH	RED HORSE Logistics Complex	52276f	442-758	\$7,800			
Guard	22	3830	LUXC189012	Joe Foss Field	SD	F-16 Mission Training Center	54332f	171-212	\$9,800	\$3,300	Scope refinement during design	New
Guard	22	3830	PAYZ220005	Unspecified	VL	Planning and Design	52276f	961-000	\$6,937			
Guard	22	3830	PAYZ220006	Unspecified	VL	Unspecified Minor Construction	52276f	962-000	\$16,073			
Guard	22	3830	AAAA199003	Various Locations	VS	C-130J Beddown #1 Wedge	c5116f	100-100	\$40,000	\$40,000	New Mission	New
Guard	22	3830	AAAA199005	Various Locations	VS	C-130J Beddown #3 Wedge	c5116f	100-100	\$40,000	\$40,000	New Mission	New
Guard	22	3830	XGFG189002	Dane County Regional-Truax Field	WI	F-35 3-Bay Specialized Hangar	52635f	211-179	\$31,000	\$18,804	Scope refinement during design	New
Guard	22	3830	HTUV189001	General Mitchell International Airport	WI	Indoor Small Arms Range	52276f	179-475	\$7,100			
						Total Major Construction			\$225,310			

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)	Change from FY20 PB	Explanation of Changes	Footprint
Guard	23	3830	BRKR009063	Birmingham Air National Guard Base	AL	Security and Services Training Facility	52276f	730-835	\$7,500			
Guard	23	3830	XHEA999163	Tucson International Airport	AZ	MCCA: Aircraft Arresting System (New RWY)	52276f	112-211	\$9,400	\$9,400	New FYDP submission	
Guard	23	3830	CEKT179200	Bradley International Airport	CT	Composite ASE/Vehicle Mx Facility	52276f	218-712	\$15,000			
Guard	23	3830	MBMV099170	W. K. Kellogg Airport	MI	Construct Main Base Entrance	52276f	730-839	\$10,000			
Guard	23	3830	VBDZ179043	Schenectady County Airport	NY	C-130 Flight Simulator Facility	54332f	171-212	\$8,000	(\$1,000)	Scope refinement during design	New
Guard	23	3830	PSTE189001	McEntire Joint National Guard Base	SC	F-16 Mission Training Center	54332f	171-212	\$9,800	\$2,300	Scope refinement during design	New
Guard	23	3830	PAYZ30005	Unspecified	VL	Planning and Design	52276f	961-000	\$691			
Guard	23	3830	PAYZ30006	Unspecified	VL	Unspecified Minor Construction	52276f	962-000	\$6,871			
Guard	23	3830	AAAA199004	Various Locations	VS	C-130J Beddown #2 Wedge	c5116f	141-454	\$37,092	\$40,000	New Mission	New
Guard	23	3830	DPEZ019000	Cheyenne Regional Airport	WY	Combined Vehicle Maintenance & ASE Complex	52276f	214-425	\$13,400			
						Total Major Construction			\$117,754			

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)	Change from FY20 PB	Explanation of Changes	Footprint
Guard	24	3830	XHEA109012	Tucson International Airport	AZ	Construct Base Entry Complex	52276f	730-839	\$8,000	\$8,000	From FY22, Displaced by New Mission	
Guard	24	3830	CRWU139039	Buckley Air Force Base	CO	ADAL Corrosion Control/Fuel Cell	52276f	211-159	\$12,000	\$12,000	From FY22, Displaced by New Mission	
Guard	24	3830	BXRH189029	BOISE AIR TERMINAL (GOWEN FIELD)	ID	Medical Training Facility	52276f	171-450	\$6,500	\$6,500	From FY22, Displaced by New Mission	
Guard	24	3830	DCFT059018	Abraham Lincoln Capital Airport	IL	Base Civil Engineer Complex	52276f	219-944	\$10,200	\$102,000	From FY22, Displaced by New Mission	
Guard	24	3830	ATQZ169004	Fort Wayne International Airport	IN	Munitions Maintenance & Storage Complex	52276f	216-642	\$11,400	\$3,200	Scope refinement during design; From FY23, Displaced by New Mission	
Guard	24	3830	AXQD049060	Barnes Municipal Airport	MA	Combined Engine/ASE/NDI Shop	52276f	211-157	\$10,000	\$10,000	From FY22, Displaced by New Mission	
Guard	24	3830	PSTE159098	McEntire Joint National Guard Base	SC	Hazardous Cargo Pad	52276f	116-662	\$9,000	\$9,000	From FY23, Displaced by New Mission	
Guard	24	3830	PAYZ240005	Unspecified	VL	Planning and Design	52276f	961-000	\$4,486			
Guard	24	3830	PAYZ240006	Unspecified	VL	Unspecified Minor Construction	52276f	962-000	\$13,747			
Guard	24	3830	AAAA199901	Various Locations	VS	F-35 Ops 9 Wedge 1	52635f		\$25,000	\$25,000	New Mission	New
Guard	24	3830	ETRD169847	Camp Murray ANG Station	WA	Air Support Operations Complex	52276f	141-753	\$27,000	\$27,000	From FY22, Displaced by New Mission	
						Total Major Construction			\$137,333			

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)	Change from FY20 PB	Explanation of Changes	Footprint
Guard	25	3830	WKVB159088	Francis S. Gabreski Airport	NY	Base Civil Engineer Complex	52276f	219-944	\$11,200	\$11,200	From FY24, Displaced by New Mission	
Guard	25	3830	PAYZ250006	Unspecified	VL	Unspecified Minor Construction	52276f	962-000	\$17,063			
Guard	25	3830	PAYZ50005	Unspecified	VL	Planning and Design	52276f	961-000	\$10,006			
Guard	25	3830	AAAA199101	Various Locations	VS	F-35 Ops 10 Wedge 1	52635f		\$25,000	\$25,000	New Mission	New
Guard	25	3830	AAAA199111	Various Locations	VS	F-35 Ops 11 Wedge 1	52635f		\$25,000	\$25,000	New Mission	New
Guard	25	3830	AAAA199902	Various Locations	VS	F-35 Ops 9 Wedge 2	52635f		\$50,000	\$50,000	New Mission	New
						Total Major Construction			\$138,269			

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**DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2021**

SECTION III

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)	Change from FY20 PB	Explanation of Changes	Footprint
Guard	22	3830	FAKZ999088	Montgomery Regional Airport (ANG) Base	AL	Base Supply Complex	52276f	442-758	\$12,000			
Guard	22	3830	FAKZ039172	Montgomery Regional Airport (ANG) Base	AL	F-35 Weapons Load Crew Training Facility	52635f	171-875	\$6,800	(\$600)	Scope refinement during design	New
Guard	23	3830	BRKR009063	Birmingham Air National Guard Base	AL	Security and Services Training Facility	52276f	730-835	\$7,500			
Guard	23	3830	XHEA999163	Tucson International Airport	AZ	MCCA: Aircraft Arresting System (New RWY)	52276f	112-211	\$9,400	\$9,400	New FYDP submission	
Guard	24	3830	XHEA109012	Tucson International Airport	AZ	Construct Base Entry Complex	52276f	730-839	\$8,000	\$8,000	From FY22, Displaced by New Mission	
Guard	24	3830	CRWU139039	Buckley Air Force Base	CO	ADAL Corrosion Control/Fuel Cell	52276f	211-159	\$12,000	\$12,000	From FY22, Displaced by New Mission	
Guard	23	3830	CEKT179200	Bradley International Airport	CT	Composite ASE/Vehicle Mx Facility	52276f	218-712	\$15,000			
Guard	24	3830	BXRH189029	BOISE AIR TERMINAL (GOWEN FIELD)	ID	Medical Training Facility	52276f	171-450	\$6,500	\$6,500	From FY22, Displaced by New Mission	
Guard	24	3830	DCFT059018	Abraham Lincoln Capital Airport	IL	Base Civil Engineer Complex	52276f	219-944	\$10,200	\$10,200	From FY22, Displaced by New Mission	
Guard	24	3830	ATQZ169004	Fort Wayne International Airport	IN	Munitions Maintenance & Storage Complex	52276f	216-642	\$11,400	\$3,200	Scope refinement during design; From FY23, Displaced by New Mission	

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)	Change from FY20 PB	Explanation of Changes	Footprint
Guard	24	3830	AXQD049060	Barnes Municipal Airport	MA	Combined Engine/ASE/NDI Shop	52276f	211-157	\$10,000	\$10,000	From FY22, Displaced by New Mission	
Guard	22	3830	TDVG029067	Alpena County Regional Airport	MI	Aircraft Maintenance Hangar/Shops	52276f	211-111	\$21,000	\$21,000	From FY21 UPL, New FYDP submission	
Guard	23	3830	MBMV099170	W. K. Kellogg Airport	MI	Construct Main Base Entrance	52276f	730-839	\$10,000			
Guard	22	3830	LRXQ109002	Jackson International Airport	MS	Fire Crash and Rescue Station	52276f	130-142	\$9,300	\$1,300	Scope refinement during design	
Guard	22	3830	KKGA169022	Hector International Airport	ND	Consolidated RPA Operations Facility	52276f	141-753	\$17,500			
Guard	23	3830	VBDZ179043	Schenectady County Airport	NY	C-130 Flight Simulator Facility	54332f	171-212	\$8,000	(\$1,000)	Scope refinement during design	New
Guard	25	3830	WKVB159088	Francis S. Gabreski Airport	NY	Base Civil Engineer Complex	52276f	219-944	\$11,200	\$11,200	From FY24, Displaced by New Mission	
Guard	22	3830	EUBC009109	Camp Perry ANG Station	OH	RED HORSE Logistics Complex	52276f	442-758	\$7,800			

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)	Change from FY20 PB	Explanation of Changes	Footprint
Guard	23	3830	PSTE189001	McEntire Joint National Guard Base	SC	F-16 Mission Training Center	54332f	171-212	\$9,800	\$2,300	Scope refinement during design	New
Guard	24	3830	PSTE159098	McEntire Joint National Guard Base	SC	Hazardous Cargo Pad	52276f	116-662	\$9,000	\$9,000	From FY23, Displaced by New Mission	
Guard	22	3830	LUXC189012	Joe Foss Field	SD	F-16 Mission Training Center	54332f	171-212	\$9,800	\$3,300	Scope refinement during design	New
Guard	22	3830	PAYZ220005	Unspecified	VL	Planning and Design	52276f	961-000	\$6,937			
Guard	22	3830	PAYZ220006	Unspecified	VL	Unspecified Minor Construction	52276f	962-000	\$16,073			
Guard	23	3830	PAYZ230005	Unspecified	VL	Planning and Design	52276f	961-000	\$691			
Guard	23	3830	PAYZ230006	Unspecified	VL	Unspecified Minor Construction	52276f	962-000	\$6,871			
Guard	24	3830	PAYZ240005	Unspecified	VL	Planning and Design	52276f	961-000	\$4,486			
Guard	24	3830	PAYZ240006	Unspecified	VL	Unspecified Minor Construction	52276f	962-000	\$13,747			
Guard	25	3830	PAYZ250006	Unspecified	VL	Unspecified Minor Construction	52276f	962-000	\$17,063			
Guard	25	3830	PAYZ250005	Unspecified	VL	Planning and Design	52276f	961-000	\$10,006			

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)	Change from FY20 PB	Explanation of Changes	Footprint
Guard	22	3830	AAAA199003	Various Locations	VS	C-130J Beddown #1 Wedge	c5116f	100-100	\$40,000	\$40,000	New Mission	New
Guard	22	3830	AAAA199005	Various Locations	VS	C-130J Beddown #3 Wedge	c5116f	100-100	\$40,000	\$40,000	New Mission	New
Guard	23	3830	AAAA199004	Various Locations	VS	C-130J Beddown #2 Wedge	c5116f	141-454	\$37,092	\$40,000	New Mission	New
Guard	24	3830	AAAA199901	Various Locations	VS	F-35 Ops 9 Wedge 1	52635f		\$25,000	\$25,000	New Mission	New
Guard	25	3830	AAAA199101	Various Locations	VS	F-35 Ops 10 Wedge 1	52635f		\$25,000	\$25,000	New Mission	New
Guard	25	3830	AAAA199111	Various Locations	VS	F-35 Ops 11 Wedge 1	52635f		\$25,000	\$25,000	New Mission	New
Guard	25	3830	AAAA199902	Various Locations	VS	F-35 Ops 9 Wedge 2	52635f		\$50,000	\$50,000	New Mission	New
Guard	24	3830	ETRD169847	Camp Murray ANG Station	WA	Air Support Operations Complex	52276f	141-753	\$27,000	\$27,000	From FY22, Displaced by New Mission	
Guard	22	3830	XGFG189002	Dane County Regional-Truax Field	WI	F-35 3-Bay Specialized Hangar	52635f	211-179	\$31,000	\$18,804	Scope refinement during design	New
Guard	22	3830	HTUV189001	General Mitchell International Airport	WI	Indoor Small Arms Range	52276f	179-475	\$7,100			
Guard	23	3830	DPEZ019000	Cheyenne Regional Airport	WY	Combined Vehicle Maintenance & ASE Complex	52276f	214-425	\$13,400			

