

**DEPARTMENT OF THE ARMY
ARMY NATIONAL GUARD**

**FISCAL YEAR (FY) 2022
BUDGET ESTIMATE**

MILITARY CONSTRUCTION



JUSTIFICATION DATA SUBMITTED TO CONGRESS

MAY 2021

TABLE OF CONTENTS
ARMY NATIONAL GUARD

TAB DESCRIPTION	PAGE NUMBER
1. TABLE OF CONTENTS.....	i
2. STATE LIST.....	iii
3. APPROPRIATION LANGUAGE.....	vii
4. CONNECTICUT.....	1
GEORGIA.....	9
IDAHO.....	15
ILLINOIS.....	23
KANSAS.....	31
LOUISIANA.....	37
MAINE.....	45
MONTANA.....	53
NORTH DAKOTA.....	61
VIRGINIA.....	69
GUAM.....	81
WORLDWIDE VARIOUS.....	89

The estimated cost of this report for the Department of Defense is approximately \$7,203.92 for fiscal year 2021. This includes \$493.28 in expenses and \$6,710.64 in DoD labor.

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DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION PROGRAM FY 2022
ARMY NATIONAL GUARD

STATE -----	PROJECT NUMBER -----	CITY/INSTALLATION ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE -----
Connecticut	090040	Putnam NATIONAL GUARD READINESS CENTER	17,500	17,500	C	1
		Subtotal Putnam	\$ 17,500	17,500		
		* TOTAL MCNG FOR Connecticut	\$ 17,500	17,500		
Georgia	130131	Fort Benning POST-INITIAL MILITARY TRAINING (IMT) UNACCOMPANIED HOUSING (UH)	13,200	13,200	C	9
		Subtotal Fort Benning	\$ 13,200	13,200		
		* TOTAL MCNG FOR Georgia	\$ 13,200	13,200		
Idaho	160098	Jerome NATIONAL GUARD READINESS CENTER	15,000	15,000	C	15
		Subtotal Jerome	\$ 15,000	15,000		
		* TOTAL MCNG FOR Idaho	\$ 15,000	15,000		
Illinois	171608	Bloomington NATIONAL GUARD VEHICLE MAINTENANCE SHOP	15,000	15,000	C	23
		Subtotal Bloomington	\$ 15,000	15,000		
		* TOTAL MCNG FOR Illinois	\$ 15,000	15,000		
Kansas	200105	Topeka NATIONAL GUARD/RESERVE CENTER BUILDING	16,732	16,732	C	31
		Subtotal Topeka	\$ 16,732	16,732		
		* TOTAL MCNG FOR Kansas	\$ 16,732	16,732		

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STATE -----	PROJECT NUMBER -----	CITY/INSTALLATION ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE -----
Louisiana	220141	Lake Charles NATIONAL GUARD READINESS CENTER	18,500	18,500	C	37
		Subtotal Lake Charles	\$ 18,500	18,500		
		* TOTAL MCNG FOR Louisiana	\$ 18,500	18,500		
Maine	230125	Saco NATIONAL GUARD VEHICLE MAINTENANCE SHOP	21,200	21,200	C	45
		Subtotal Saco	\$ 21,200	21,200		
		* TOTAL MCNG FOR Maine	\$ 21,200	21,200		
Montana	300049	Butte NATIONAL GUARD READINESS CENTER	16,000	16,000	C	53
		Subtotal Butte	\$ 16,000	16,000		
		* TOTAL MCNG FOR Montana	\$ 16,000	16,000		
North Dakota	380058	Dickinson NATIONAL GUARD READINESS CENTER	15,500	15,500	C	61
		Subtotal Dickinson	\$ 15,500	15,500		
		* TOTAL MCNG FOR North Dakota	\$ 15,500	15,500		
Virginia	510075	Troutville NATIONAL GUARD READINESS CENTER ADDITION	6,100	6,100	C	69
	510091	COMBINED SUPPORT MAINTENANCE SHOP ADDITION	6,900	6,900	C	75
		Subtotal Troutville	\$ 13,000	13,000		
		* TOTAL MCNG FOR Virginia	\$ 13,000	13,000		

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Guam	140052	Barrigada NATIONAL GUARD READINESS CENTER	34,000	34,000	C	81
		Subtotal Barrigada	\$ 34,000	34,000		
		* TOTAL MCNG FOR Guam	\$ 34,000	34,000		
Worldwide Various	990022	Minor Construction Unspecified Minor Construction	0	39,471		89
		Subtotal Minor Construction	\$ 0	39,471		
	990033	Planning and Design Planning and Design	0	22,000		91
		Subtotal Planning and Design	\$ 0	22,000		
		* TOTAL MCNG FOR Worldwide Various	\$ 0	61,471		
		** ARMY NATIONAL GUARD TOTAL	\$ 195,632	257,103		
		Total Cost of New Mission Projects	(0)	\$ 0		
		Total Cost of Current Mission Projects	(12)	\$ 195,632		
		Total Cost of other line items	(2)	\$ 61,471		
		Total Cost of FY 2022 MCNG Projects	(14)	\$ 257,103		

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APPROPRIATION LANGUAGE

MILITARY CONSTRUCTION, ARMY NATIONAL GUARD

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Army National Guard, and contiguous therefore, as authorized by Chapter 1803 of Title 10, United States Code, as amended, and Military Construction Authorization Acts \$257,103,000 to remain available until 30 September 2026. Provided, that of the amount appropriated, not to exceed \$22,000,000 shall be available for study, planning, design, and architect and engineer services, as authorized by law, unless the Director of the Army National Guard determines that additional obligations are necessary for such purposed and notifies the Committees on Appropriations of both Houses of Congress of the determination and the reasons therefor.

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1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021																																
3. INSTALLATION AND LOCATION Putnam Connecticut	INSNO= 09B21	4. AREA CONSTRUCTION COST INDEX 1.15																																
5. FREQUENCY AND TYPE OF UTILIZATION Administration 5 days/week, with 2-day training assembly 2-3 times/month.																																		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 0.00 miles 0 (0) 0																																		
7. PROJECTS REQUESTED IN THIS PROGRAM																																		
<table style="width:100%; border:none;"> <tr> <td style="width:10%;"><u>CATEGORY</u></td> <td style="width:50%;"><u>PROJECT TITLE</u></td> <td style="width:15%;"><u>COST</u></td> <td style="width:25%;"><u>DESIGN STATUS</u></td> </tr> <tr> <td><u>CODE</u></td> <td><u>NATIONAL GUARD</u></td> <td><u>(\$000)</u></td> <td><u>START</u> <u>CMPLE</u></td> </tr> <tr> <td>17180</td> <td>READINESS CENTER</td> <td>3,697 m2 (39,796 SF)</td> <td>17,500 OCT 2019 OCT 2021</td> </tr> </table>	<u>CATEGORY</u>	<u>PROJECT TITLE</u>	<u>COST</u>	<u>DESIGN STATUS</u>	<u>CODE</u>	<u>NATIONAL GUARD</u>	<u>(\$000)</u>	<u>START</u> <u>CMPLE</u>	17180	READINESS CENTER	3,697 m2 (39,796 SF)	17,500 OCT 2019 OCT 2021																						
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17180	READINESS CENTER	3,697 m2 (39,796 SF)	17,500 OCT 2019 OCT 2021																															
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION. 02 APR 2020 (Date)																																		
9. LAND ACQUISITION REQUIRED None 0 (Number of acres)																																		
10. PROJECTS PLANNED IN NEXT FOUR YEARS																																		
<table style="width:100%; border:none;"> <tr> <td style="width:10%;"><u>CATEGORY</u></td> <td style="width:50%;"><u>PROJECT TITLE</u></td> <td style="width:15%;"><u>SCOPE</u></td> <td style="width:25%;"><u>COST</u></td> </tr> <tr> <td><u>CODE</u></td> <td></td> <td></td> <td><u>(\$000)</u></td> </tr> <tr> <td>NONE</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2">DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):</td> <td>9,053</td> <td></td> </tr> </table> <p>A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.</p>	<u>CATEGORY</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u>	<u>CODE</u>			<u>(\$000)</u>	NONE				DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):		9,053																			
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11. PERSONNEL STRENGTH AS OF 30 SEP 2020																																		
	<table style="width:100%; border:none;"> <tr> <td colspan="4"><u>PERMANENT</u></td> <td colspan="3"><u>GUARD/RESERVE</u></td> </tr> <tr> <td></td> <td><u>TOTAL</u></td> <td><u>OFFICER</u></td> <td><u>ENLISTED</u></td> <td><u>CIVILIAN</u></td> <td><u>TOTAL</u></td> <td><u>OFFICER</u></td> <td><u>ENLISTED</u></td> </tr> <tr> <td>AUTHORIZED</td> <td>5</td> <td>0</td> <td>5</td> <td>0</td> <td>163</td> <td>5</td> <td>158</td> </tr> <tr> <td>ACTUAL</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>163</td> <td>5</td> <td>158</td> </tr> </table>	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>				<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	AUTHORIZED	5	0	5	0	163	5	158	ACTUAL	0	0	0	0	163	5	158		
<u>PERMANENT</u>				<u>GUARD/RESERVE</u>																														
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>																											
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ACTUAL	0	0	0	0	163	5	158																											
12. RESERVE UNIT DATA																																		
<table style="width:100%; border:none;"> <tr> <td style="width:40%;"><u>UNIT DESIGNATION</u></td> <td style="width:10%;"><u>UIC</u></td> <td style="width:10%;"><u>TPSN</u></td> <td style="width:10%;"><u>MTOE/TDA</u></td> <td colspan="2" style="text-align:center;"><u>STRENGTH</u></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td><u>AUTHORIZED</u></td> <td><u>ACTUAL</u></td> </tr> <tr> <td>CO MP CO</td> <td>WPTTAA</td> <td></td> <td>19463KNG19</td> <td>163</td> <td>163</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>163</td> <td>163</td> </tr> </table> <p style="text-align:right;">Assigned/Authorized: 100%</p>	<u>UNIT DESIGNATION</u>	<u>UIC</u>	<u>TPSN</u>	<u>MTOE/TDA</u>	<u>STRENGTH</u>						<u>AUTHORIZED</u>	<u>ACTUAL</u>	CO MP CO	WPTTAA		19463KNG19	163	163					163	163										
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13. MAJOR EQUIPMENT AND AIRCRAFT																																		
<table style="width:100%; border:none;"> <tr> <td style="width:60%;"><u>TYPE</u></td> <td style="width:20%;"><u>AUTHORIZED</u></td> <td style="width:20%;"><u>ACTUAL</u></td> </tr> <tr> <td>WHEELED</td> <td>48</td> <td>48</td> </tr> <tr> <td>TRAILERS</td> <td>38</td> <td>38</td> </tr> <tr> <td>TRACKED</td> <td>0</td> <td>0</td> </tr> <tr> <td>EQUIPMENT > 30 FT</td> <td>1</td> <td>1</td> </tr> <tr> <td>Fuel Truck</td> <td>0</td> <td>0</td> </tr> <tr> <td>HET</td> <td>0</td> <td>0</td> </tr> <tr> <td>TOTALS</td> <td>87</td> <td>87</td> </tr> </table>	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>	WHEELED	48	48	TRAILERS	38	38	TRACKED	0	0	EQUIPMENT > 30 FT	1	1	Fuel Truck	0	0	HET	0	0	TOTALS	87	87										
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1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021						
3. INSTALLATION AND LOCATION Putnam Connecticut		4. AREA CONSTRUCTION INSNO= 09B21 COST INDEX 1.15						
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES <div style="text-align: right; margin-right: 100px;">(\$000)</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>			A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
A. AIR POLLUTION	0							
B. WATER POLLUTION	0							
C. OCCUPATIONAL SAFETY AND HEALTH	0							

1. COMPONENT ARNG		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION Putnam Connecticut				4. PROJECT TITLE NATIONAL GUARD READINESS CENTER		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17180	7. PROJECT NUMBER 88233 090040		8. PROJECT COST (\$000) Approp 17,500	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						13,780
17180 Readiness Center		m2 (SF)	3,656 (39,356)		3,446	(12,601)
44228 Controlled Waste Facility		m2 (SF)	30.66 (330)		1,356	(42)
44240 Flammable Materials Facility		m2 (SF)	10.22 (110)		1,356	(14)
81160 Backup/Emergency Generator		EA	1 --		150,000	(150)
85210 Rigid Pavement for MEP		m2 (SY)	3,658 (4,375)		123.19	(451)
Total from Continuation page(s)						(522)
SUPPORTING FACILITIES						2,325
Electric Service		LS	--		--	(154)
Water, Sewer, Gas		LS	--		--	(462)
Paving, Walks, Curbs And Gutters		LS	--		--	(577)
Storm Drainage		LS	--		--	(172)
Site Imp(413) Demo()		LS	--		--	(413)
Information Systems		LS	--		--	(14)
Antiterrorism Measures		LS	--		--	(300)
Other		LS	--		--	(233)
ESTIMATED CONTRACT COST						16,105
CONTINGENCY (5.00%)						805
SUBTOTAL						16,910
SUPV, INSP & OVERHEAD (3.49%)						590
TOTAL REQUEST						17,500
TOTAL FEDERAL REQUEST						17,500
TOTAL FEDERAL REQUEST (ROUNDED)						17,500
INSTALLED EQT-OTHER APPROP						(1,334)
10. Description of Proposed Construction A specially designed National Guard Readiness Center of permanent construction. The National Guard Readiness Center includes the following items that are integral to the facility; Backup/Emergency Generator, Unheated Storage Building, Organizational Vehicle Parking (Paved), Controlled Waste Handling, and Flammable Material Facility. Comprehensive interior design services are requested. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes and as per 42 U.S.C. 4154. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas, and site improvements. Facilities will be designed to a minimum life of 50 years in accordance with DoDs Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance as per ASA(IE&E) Sustainable Design and Development Policy Updated 2017. Access for individuals with disabilities will be provided. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This project will comply with the Army 1 SQFT for 1 SQFT disposal policy through the disposal of 44,262 SQFT. Disposal of 3 buildings at East Haven Rifle Range, CT (Total 332 m2/3,575 SF), 10 buildings at Camp Rell, CT (Total 1,557 m2/16,760 SF), 2 buildings at Westbrook Readiness Center, CT (Total 1,270 m2/13,667 SF), and 5 buildings at Camp Hartell, CT (Total 953 m2/10,260 SF). Air Conditioning (Estimated 464 kW/132 Tons).						
11. REQ:		3,697 m2	ADQT:		NONE	SUBSTD: NONE

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Putnam Connecticut	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 88233 090040	8. PROJECT COST (\$000) Approp 17,500
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9. COST ESTIMATES (CONTINUED)

ITEM	UM (M/E)	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
17180 Primary Fac Enhanced ATFP 2% Sustainability/Energy Measures	LS	--	--	(252)
	LS	--	--	(270)
			Total	522

PROJECT: To construct a 39,796 SQFT National Guard Readiness Center that supports training, administrative, and logistical requirements for the CTARNG. This facility will be built on the State of Connecticut Military Reservation in Putnam, CT. (Current Mission).

REQUIREMENT: This National Guard Readiness Center is required to house all elements of the Military Police unit that is currently stationed at a facility that does not meet space requirements. The following unit will be served by this Readiness Center: WPTTAA 643rd Military Police Company totaling 163 Soldiers, 87 military vehicles and trailers, plus other authorized Modification Table of Organization and Equipment (MTOE) equipment. The Readiness Center will provide the necessary administrative, training, secure work and storage areas required to achieve and sustain proficiency in required training tasks and locate all the Military Police units into one state of the art facility.

CURRENT SITUATION: This project is critical to the state of Connecticut due to the current situation of the existing facility only meets 13.7% of the space authorization and does not meet current Federal code for: fire, electrical, mechanical, energy or ADA. Additionally, the current land parcel does not allow any expansion or proper AT/FP set-back.

The site for this project is in the possession of the state of Connecticut.

Currently, the state of Connecticut has begun the environmental assessment on this project.

The facility where the current operations are being conducted was constructed in 1955.

The current facility is inadequate for authorized space criteria, quality of the facility and property that is landlocked in an older residential section of the town preventing future expansion or addition/alteration to the existing facility. The facility jeopardizes training for lack of space and current modern IT infrastructure, but more significantly jeopardizes recruiting and retention. The ability of the CTARNG to recruit and/or retain soldiers is directly jeopardized by not having a modern Readiness Center.

Due to the age of the facility there have been recurrent mold issues within the building. Exterior masonry needs tuck-pointing. The envelope of the building is in poor condition; walls, windows, doors. The facility lacks fire suppression system. Building is not current to ADA requirements.

The Readiness Center was built in 1955 and has high energy costs due to the age of the facility exterior envelope and outdated electrical, plumbing and mechanical systems.

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5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17180		7. PROJECT NUMBER 88233 090040		8. PROJECT COST (\$000) Approp 17,500		
<u>CURRENT SITUATION: (CONTINUED)</u>								
Existing facility is on a septic system that is inadequate to handle the demand during drill periods.								
Site Code	Site UID	Cat Code	FACNO	ISR-I Year	F Rating	Q Rating	C Rating	Local Name
09B55	7863	17180	00001	2019	F4	Q4	C4	Westbrook Armory
Fire alarm system does not meet State/Fed code and lacks fire sprinkler system. Building does not meet Federal ADA code.								
The current facilities do not comply with NG Pam 415-12 dated 25 January 2015 criteria, Installation Status Report (ISR) Mission and Quality, Current code requirements, Americans with Disabilities Act (ADA), Anti-terrorism Force Protection (ATFP), lack adequate training areas, administrative space, supply room space, arms vault, kitchen space, toilets/showers, physical fitness space, locker room space, privately owned vehicle parking, military parking and unheated storage space.								
These facilities do not meet current Federal code for: fire, electrical, mechanical, energy or ADA. Per NG Pam 415-12 criteria the facility is lack adequate training areas, administrative space, supply space, arms vault, kitchen space, toilets/showers, physical fitness space, locker room space, privately owned vehicle parking, military parking and unheated storage space. Does not meet the Anti-Terrorism Force Protection standoff distance.								
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the units' ability to meet its readiness and training objectives will continue to be adversely affected without an adequate facility. The lack of proper and adequate training, storage and administrative areas will continue to impair mobilization readiness levels. Operations and Maintenance expenditures will continue to be high due to lack of energy efficiency and failing systems. Current space shortages, and poor working environments will continue to be non-conducive to administrative tasks and training and negatively affect Operational Tempo (OPTEMPO). The current facility provides a building design not conducive for the current unit's mission while significantly increasing life and safety risks due to the age of the facility. Military equipment maintenance costs will remain high due to direct exposure to severe cold temperature, snow and salt air. The units' ability to meet their readiness, recruiting, retention, and training objectives will continue to be adversely affected if the personnel are not provided with the adequate facilities. The current site is located within a residential neighborhood. There has been encroachment from adjacent property within the parking areas. The current design does not adequately house the unit space requirements creating a deficiency in locker room, latrine, and classroom space along with undersized Org/MOV parking. Most of these units will inhabit facilities that do not meet the minimum ATFP standoff distances. Equipment maintenance costs will become unaffordable due to lack of proper organizational storage.								
<u>ADDITIONAL:</u> Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.								

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Putnam Connecticut	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 88233 090040	8. PROJECT COST (\$000) Approp 17,500
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ADDITIONAL: (CONTINUED)

PHYSICAL SECURITY: This project has been coordinated with the installation physical security plan, and all physical security measures are included.

ANTITERRORISM/FORCE PROTECTION: This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.

ECONOMIC ANALYSIS: Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. This facility will be available for use by other components.

Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

- (a) Design Start Date..... OCT 2019
- (b) Percent Complete as of January 2021..... 65
- (c) Date 35% Designed..... JUN 2020
- (d) Date Design Complete..... OCT 2021
- (e) Parametric Cost Estimating Used to Develop Costs.. NO
- (f) Type of Design Contract: Design-bid-build
- (g) An energy study and life cycle cost analysis will be documented during the final design.

(2) Basis:

- (a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

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1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021					
3. INSTALLATION AND LOCATION Fort Benning Georgia	INSNO= 13A72	4. AREA CONSTRUCTION COST INDEX .86					
5. FREQUENCY AND TYPE OF UTILIZATION Support logistical and operational activities for training 360 days/year.							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS							
ARNG	Columbus, GA	2.00 miles Readiness Center 2,713 m2 (29,199 SF) 1957					
USA	Benning, GA	6.00 miles Educational Facility 3,211 m2 (34,567 SF) 2010					
AR	Benning, GA	2.00 miles Readiness Center 6,280 m2 (67,599 SF) 2006					
7. PROJECTS REQUESTED IN THIS PROGRAM							
CATEGORY	PROJECT TITLE	COST DESIGN STATUS					
CODE	POST INITIAL MILITARY TRAINING (IMT)	SCOPE (\$000) START Cmpl					
72122	UNACCOMPANIED HOUSING (UH)	4,439 m2 (47,786 SF) 13,200 DEC 2019 OCT 2021					
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION							
FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.		14 NOV 2019 (Date)					
9. LAND ACQUISITION REQUIRED							
None		0 (Number of acres)					
10. PROJECTS PLANNED IN NEXT FOUR YEARS							
CATEGORY		COST					
CODE	PROJECT TITLE	SCOPE (\$000)					
NONE							
DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): 11,501							
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.							
11. PERSONNEL STRENGTH AS OF 30 SEP 2020							
	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	72	10	58	4	72	10	62
ACTUAL	72	10	58	4	72	10	62
12. RESERVE UNIT DATA							
UNIT DESIGNATION	UIC	TPSN	MTOE/TDA	STRENGTH			
ARNG SUPPORT ACTIVITIES WARRIOR TNG	W6ZQ03		GBW6ZQAA	AUTHORIZED	ACTUAL		
				72	72		
				72	72		
Assigned/Authorized: 100%							
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE				AUTHORIZED	ACTUAL		
WHEELED				0	0		
TRAILERS				0	0		
TRACKED				0	0		
EQUIPMENT > 30 FT				0	0		
Fuel Truck				0	0		
HET				0	0		
TOTALS				0	0		

1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021						
3. INSTALLATION AND LOCATION Fort Benning Georgia		4. AREA CONSTRUCTION INSNO= 13A72 COST INDEX .86						
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES <div style="text-align: right; margin-right: 100px;">(\$000)</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>			A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
A. AIR POLLUTION	0							
B. WATER POLLUTION	0							
C. OCCUPATIONAL SAFETY AND HEALTH	0							

1. COMPONENT ARNG		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION Fort Benning Georgia				4. PROJECT TITLE POST INITIAL MILITARY TRAINING (IMT) UNACCOMPANIED HOUSING (UH)		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 72122	7. PROJECT NUMBER 85565 130131		8. PROJECT COST (\$000) Approp 13,200	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						10,604
17120 Educational Facility		m2 (SF)	591.70 (6,369)		2,283	(1,351)
72122 Billets		m2 (SF)	3,848 (41,417)		2,351	(9,045)
Sustainability/Energy Measures		LS	--		--	(208)
SUPPORTING FACILITIES						1,543
Electric Service		LS	--		--	(144)
Water, Sewer, Gas		LS	--		--	(175)
Paving, Walks, Curbs And Gutters		LS	--		--	(297)
Storm Drainage		LS	--		--	(40)
Site Imp(318) Demo(400)		LS	--		--	(718)
Information Systems		LS	--		--	(26)
Antiterrorism Measures		LS	--		--	(73)
Other		LS	--		--	(70)
ESTIMATED CONTRACT COST						12,147
CONTINGENCY (5.00%)						607
SUBTOTAL						12,754
SUPV, INSP & OVERHEAD (3.50%)						446
TOTAL REQUEST						13,200
TOTAL FEDERAL REQUEST						13,200
TOTAL FEDERAL REQUEST (ROUNDED)						13,200
INSTALLED EQT-OTHER APPROP						(1,035)
10. Description of Proposed Construction A specially designed Advance Skills Training Barracks of permanent construction. The Advance Skills Training Barracks includes the following items that are integral to the facility; Educational Facility. Comprehensive interior design services are requested. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes and as per 42 USC 4154. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage and site improvements. Facilities will be designed to a minimum life of 50 years in accordance with DoD's Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance as per ASA(IE&E) Sustainable Design and Development Policy updated 2017. Access for individuals with disabilities will be provided. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This project will comply with the Army 1 SQFT for 1 SQFT disposal policy through the disposal of 49,322 SQFT. Disposal of 4 buildings at Albany Readiness Center, GA (Total 2,104 m2/22,647 SF), 2 buildings at Fort Benning, GA (Total 1,088 m2/11,706 SF), 1 building at Elberton Readiness Center, GA (Total 206 m2/2,221 SF), 1 building at Hartwell Readiness Center, GA (Total 223 m2/2,400 SF), 3 buildings at GGTC, GA (Total 715 m2/7,698 SF), 1 building at Metter Readiness Center, GA (Total 19 m2/200 SF), and 2 buildings at Milledgeville Readiness Center, GA (Total 136 m2/1,460 SF). Air Conditioning (Estimated 563 kW/160 Tons).						

1. COMPONENT ARNG		FY 2022 MILITARY CONSTRUCTION PROJECT DATA				2. DATE MAY 2021		
3. INSTALLATION AND LOCATION Fort Benning Georgia				4. PROJECT TITLE POST INITIAL MILITARY TRAINING (IMT) UNACCOMPANIED HOUSING (UH)				
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 72122		7. PROJECT NUMBER 85565 130131		8. PROJECT COST (\$000) Approp 13,200		
<u>11. REQ:</u> 4,439 m2		ADQT:		NONE		SUBSTD: NONE		
<p><u>PROJECT:</u> To construct a 47,786 SQFT Advance Skills Training Barracks with 320 bed spaces and Education Facility that supports training, administrative, and logistical requirements for the GAARNG. This facility will be built on the Army Licensed Site to the Georgia Army National Guard at Fort Benning. (Current Mission)</p> <p><u>REQUIREMENT:</u> This facility is designed to meet the billeting and administrative requirements for the Warrior Training Center (WTC). The WTC conducts 13 courses and serves over 4,500 soldiers from the National Guard, Reserves, and Active Services. The peak space requirement for simultaneous courses of instruction is 420 bed spaces.</p> <p><u>CURRENT SITUATION:</u> This project is critical to the state of GA and the entire Army National Guard due to the current situation of the severe lack of adequate barrack space at the Warrior Training Center. Facilities at the WTC currently provide 258 bed spaces, 160 of which are in substandard condition and provide less than 30 square feet per soldier. In addition to Air Assault, the Warrior Training Center teaches 9 other courses at the site, 6 of which can be operated concurrently with Air Assault. This course load requires 420 bed spaces at one time. The existing facilities are severely overcrowded which is a fire hazard and contributes to unsanitary conditions.</p> <p>The site for this project is in the possession of the state of GA.</p> <p>Currently, the state of GA has completed the environmental assessment on this project.</p> <p>The facility where the current operations are being conducted was constructed in 2005.</p>								
Site Code	Site UID	Cat Code	FACNO	ISR-I Year	F Rating	Q Rating	C Rating	Local Name
13A72	4984	72114	4160	2019	F4	Q4	C4	TT ENL Barracks
13A72	4984	72114	4161	2019	F4	Q4	C4	TT ENL Barracks
13A72	4984	17120	4157	2019	F4	Q4	C4	General Instruction
<p><u>IMPACT IF NOT PROVIDED:</u> The WTC is the only ARNG School in the nation that conducts specialized high risk training including Pre-Ranger and Air Assault; this training produces exceptional leaders and Soldiers of unmatched lethality. Graduation rates from the Army Ranger School have improved from 8% to 55% for all National Guard soldiers who attend the Pre-ranger course. The WTC trains over 4,500 Soldiers annually and the current barracks (17,372 SF) provide 258 bed spaces, 160 of which are in substandard condition and provide less than 30 square feet per soldier. The overcrowding in the barracks is a fire hazard and contributes to unsanitary conditions.</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 and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.</p> <p><u>PHYSICAL SECURITY:</u> This project has been coordinated with the installation physical security plan, and all physical security measures are included.</p>								

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Fort Benning Georgia	4. PROJECT TITLE POST INITIAL MILITARY TRAINING (IMT) UNACCOMPANIED HOUSING (UH)
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 72122	7. PROJECT NUMBER 85565 130131	8. PROJECT COST (\$000) Approp 13,200
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(c) Total Design Cost.....	1,140
(d) Contract.....	1,140
(e) In-house.....	0
(4) Construction Contract Award.....	MAR 2022
(5) Construction Start.....	MAY 2022
(6) Construction Completion.....	MAR 2024

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
F F & E	OMNG	Future Request	660
Info Sys - ISC	OPA	Future Request	216
Info Sys - PROP	OMNG	Future Request	159
		Total	1,035

1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021						
3. INSTALLATION AND LOCATION Jerome Idaho		4. AREA CONSTRUCTION COST INDEX 1.04						
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES <div style="text-align: right; margin-right: 100px;">(\$000)</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>			A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
A. AIR POLLUTION	0							
B. WATER POLLUTION	0							
C. OCCUPATIONAL SAFETY AND HEALTH	0							

1. COMPONENT ARNG		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION Jerome Idaho				4. PROJECT TITLE NATIONAL GUARD READINESS CENTER		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17180	7. PROJECT NUMBER 85411 160098		8. PROJECT COST (\$000) Approp 15,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						15,458
17180 Readiness Center		m2 (SF)	4,994 (53,750)		2,646	(13,212)
44224 Unheated Storage Building		m2 (SF)	364.55 (3,924)		1,722	(628)
44228 Controlled Waste Facility		m2 (SF)	30.66 (330)		1,614	(50)
44240 Flammable Materials Facility		m2 (SF)	20.44 (220)		1,614	(33)
81160 Backup/Emergency Generator		EA	1 --		90,000	(90)
Total from Continuation page(s)						(1,445)
SUPPORTING FACILITIES						2,949
Electric Service		LS	--		--	(100)
Water, Sewer, Gas		LS	--		--	(300)
Paving, Walks, Curbs And Gutters		LS	--		--	(1,349)
Storm Drainage		LS	--		--	(142)
Site Imp(464) Demo()		LS	--		--	(464)
Information Systems		LS	--		--	(129)
Antiterrorism Measures		LS	--		--	(246)
Other		LS	--		--	(219)
ESTIMATED CONTRACT COST						18,407
CONTINGENCY (5.00%)						920
SUBTOTAL						19,327
SUPV, INSP & OVERHEAD (3.48%)						673
TOTAL REQUEST						20,000
State Share						5,000
TOTAL FEDERAL REQUEST						15,000
TOTAL FEDERAL REQUEST (ROUNDED)						15,000
INSTALLED EQT-OTHER APPROP						(1,626)
10. Description of Proposed Construction A specially designed National Guard Readiness Center of permanent construction. The National Guard Readiness Center includes the following items that are integral to the facility; Backup/Emergency Generator, Organizational Vehicle Parking, Controlled Waste Facility, and Flammable Materials Facility. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes and as per 42 U.S.C. 4154. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas and site improvements. Facilities will be designed to a minimum life of 50 years in accordance with DoD's Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance as per ASA(IE&E) Sustainable Design and Development Policy Updated 2017. Access for individuals with disabilities will be provided. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This project will comply with the Army 1 SQFT for 1 SQFT disposal policy through the disposal of 55,470 SQFT. Disposal of 1 building at Wilder Readiness Center, ID (Total 1,373 m2/14,782 SF), 1 building at Burley Readiness Center, ID (Total 9 m2/96 SF), 3 buildings at Gooding Readiness Center, ID (Total 930 m2/10,011 SF), 1 building at Hailey Readiness Center, ID (Total 90 m2/966 SF), 1 building at Jerome Readiness Center, ID (Total 982 m2/10,567 SF), and 4 buildings at Twin Falls Readiness Center, ID (Total 1,770						

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA				2. DATE			
ARNG					MAY 2021			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE					
Jerome Idaho			NATIONAL GUARD READINESS CENTER					
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER		8. PROJECT COST (\$000)				
0505896A	17180	85411 160098		Approp	15,000			
<u>9. COST ESTIMATES (CONTINUED)</u>								
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)			
<u>PRIMARY FACILITY (CONTINUED)</u>								
85211 Rigid Pavement for MEP		m2 (SY)	8,508 (10,175)	118.40	(1,007)			
14915 Additional 1% ATFP		LS	--	--	(135)			
Sustainability/Energy Measures		LS	--	--	(303)			
				Total	1,445			
<u>DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)</u>								
m2/19,048 SF). Air Conditioning (Estimated 598 kW/170 Tons).								
<u>11. REQ:</u>	5,409 m2	<u>ADQT:</u>	NONE	<u>SUBSTD:</u>	NONE			
<u>PROJECT:</u>	To construct a 58,224 SQFT National Guard Readiness Center that supports training, administrative, and logistical requirements for the IDARNG. This facility will be constructed on the State of Idaho Military Reservation in Jerome, ID. (Current Mission).							
<u>REQUIREMENT:</u>	This facility will provide the necessary administrative, training, kitchen, and storage areas required to achieve proficiency in respective areas of training for 116 BEB (WPNWT0) and 145th BSB (WTQ2E0). The units are currently stationed in two separate distant Readiness Centers. The consolidation of the units into a single facility will maximize training and equipment for the Soldiers and the readiness of the units. Both facilities are deficient on square footage and sit on small sites hindering mobility of the military assets that are assigned as well as substandard AT / FP setbacks.							
<u>CURRENT SITUATION:</u>	This project is critical to the state of Idaho due to the current situation of not having adequate classroom and storage space to ensure the proper training and readiness for the Soldiers of the IDARNG.							
The site for this project is in the possession of the state of Idaho.								
Currently, the state of Idaho has begun the environmental assessment on this project.								
The facility where the current operations are being conducted was constructed in 1960.								
This project will mitigate the event of having an undersized facility to support the training and readiness of Soldiers of the IDARNG. Being that there currently is two undersized and aging facilities to accomplish the mission objectives. The probability of effecting training is "PROBABLE". The result of not having an adequate facility will cause a "MINOR" threat to the safety and well being of the Soldiers of the IDARNG.								
Site Code	Site UID	Cat Code	FACNO	ISR-I Year	F Rating	Q Rating	C Rating	Local Name
16C05	7648	17180	0001	2019	F4	Q4	C4	Twin Falls RC
16B20	5623	17180	0001	2019	F3	Q4	C4	Jerome RC
<u>IMPACT IF NOT PROVIDED:</u>								
If the project is not approved, the present facility's lack of								

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021
3. INSTALLATION AND LOCATION Jerome Idaho			4. PROJECT TITLE NATIONAL GUARD READINESS CENTER	
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 85411 160098	8. PROJECT COST (\$000) Approp 15,000	
<u>IMPACT IF NOT PROVIDED: (CONTINUED)</u>				
<p>adequate space and substandard condition will reduce the energy efficiency, training and mobilization readiness for the units assigned and standards will continue to decline. The unit's ability to meet its readiness, recruiting and retention, and training objectives will be adversely affected if the personnel are not provided with adequate facilities. Location and space available currently affect the OPTEMPO, due to travel and limited space. Other training areas are being used that increase the cost in travel. Delays in funding for this project will require the unit to stay in the overcrowded Readiness Centers. Life safety will be affected as the current facilities do not meet fire sprinkler requirements. The Operation and Maintenance (O&M) costs is increasing due to the age of the facility and requirements that are needed to meet NG PAM 415-12. The properties in Jerome and Twin Falls are co-owned by the Idaho Military (majority interest) and local governments. In these two locations, the local government has asked for the property to be turned over. All locations suffer inadequate space for parking of military vehicles with the proper standoff distances. The lack of proper facilities will negatively influence troop morale and readiness, as well as add to the present deficiency of the IDARNG. Not having the required space for equipment maintenance eliminates Soldiers MOS training and missions.</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 and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.</p>				
<p><u>PHYSICAL SECURITY:</u> This project has been coordinated with the installation physical security plan, and all physical security measures are included.</p>				
<p><u>ANTITERRORISM/FORCE PROTECTION:</u> This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.</p>				
<p><u>ECONOMIC ANALYSIS:</u> Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>				
<p><u>JOINT USE CERTIFICATION:</u> The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. This facility will be available for use by other components.</p>				
<p>Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988.</p>				

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Jerome Idaho	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 85411 160098	8. PROJECT COST (\$000) Approp 15,000
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	DEC 2019
(b) Percent Complete as of January 2021.....	35
(c) Date 35% Designed.....	OCT 2020
(d) Date Design Complete.....	DEC 2021
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	1,117
(b) All Other Design Costs.....	633
(c) Total Design Cost.....	1,750
(d) Contract.....	1,750
(e) In-house.....	0

(4) Construction Contract Award..... FEB 2022

(5) Construction Start..... MAR 2022

(6) Construction Completion..... JAN 2024

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1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE MAY 2021			
3. INSTALLATION AND LOCATION Bloomington Illinois			INSNO= 17A05	4. AREA CONSTRUCTION COST INDEX 1.02			
5. FREQUENCY AND TYPE OF UTILIZATION Maintenance operations full time 5 days/week and 1 weekend/month for IDT Units.							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS							
ARNG	Bloomington, IL	3.00 miles	Readiness Center	4,170 m2 (44,886 SF) 1951			
ARNG	Bloomington, IL	3.00 miles	Maintenance Facility	885 m2 (9,523 SF) 1951			
AR	Bloomington, IL	8.00 miles	USAR Center	1,484 m2 (15,976 SF) 1959			
ARNG	Delavan, IL	30.00 miles	Readiness Center	2,674 m2 (28,784 SF) 1938			
ARNG	Pontiac, IL	34.00 miles	Readiness Center	3,050 m2 (32,825 SF) 1938			
ARNG	Peoria, IL	38.00 miles	Readiness Center	1,824 m2 (19,635 SF) 1982			
7. PROJECTS REQUESTED IN THIS PROGRAM							
CATEGORY	<u>PROJECT TITLE</u>		COST	<u>DESIGN STATUS</u>			
<u>CODE</u>	<u>NATIONAL GUARD VEHICLE</u>	<u>SCOPE</u>	<u>(\$000)</u>	<u>START</u> <u>CMPL</u>			
21407	MAINTENANCE SHOP	3,002 m2 (32,308 SF)	15,000	JAN 2020 OCT 2021			
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION							
FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.				18 NOV 2020 (Date)			
9. LAND ACQUISITION REQUIRED							
None				0 (Number of acres)			
10. PROJECTS PLANNED IN NEXT FOUR YEARS							
CATEGORY				COST			
<u>CODE</u>	<u>PROJECT TITLE</u>		<u>SCOPE</u>	<u>(\$000)</u>			
NONE							
DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):		5,280					
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.							
11. PERSONNEL STRENGTH AS OF 30 SEP 2020							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	27	0	0	27	0	0	0
ACTUAL	9	0	0	9	0	0	0
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>	<u>UIC</u>	<u>TPSN</u>	<u>MTOE/TDA</u>	<u>STRENGTH</u>			
FMS 17 (EQP IL ARNG FLD MAINT)	W8S217		NGW8S2AA	<u>AUTHORIZED</u>	<u>ACTUAL</u>		
				0	0		
				0	0		
Assigned/Authorized: 0%							

1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021
3. INSTALLATION AND LOCATION Bloomington Illinois		4. AREA CONSTRUCTION INSNO= 17A05 COST INDEX 1.02
13. MAJOR EQUIPMENT AND AIRCRAFT		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>
WHEELED	218	8
TRAILERS	110	0
TRACKED	0	0
EQUIPMENT > 30 FT	9	0
Fuel Truck	2	0
HET	0	0
TOTALS	339	8
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES		
	(\$000)	
A. AIR POLLUTION	0	
B. WATER POLLUTION	0	
C. OCCUPATIONAL SAFETY AND HEALTH	0	

1. COMPONENT ARNG		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION Bloomington Illinois				4. PROJECT TITLE NATIONAL GUARD VEHICLE MAINTENANCE SHOP		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 21407	7. PROJECT NUMBER 90193 171608		8. PROJECT COST (\$000) Approp 15,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						10,958
21407 Maintenance Shop		m2 (SF)	3,002 (32,308)		3,388	(10,168)
85210 Rigid Pavement for MEP		m2 (SY)	2,717 (3,250)		211.58	(575)
Sustainability/Energy Measures		LS	--		--	(215)
SUPPORTING FACILITIES						2,850
Electric Service		LS	--		--	(80)
Water, Sewer, Gas		LS	--		--	(240)
Paving, Walks, Curbs And Gutters		LS	--		--	(1,375)
Storm Drainage		LS	--		--	(107)
Site Imp(329) Demo()		LS	--		--	(329)
Information Systems		LS	--		--	(42)
Antiterrorism Measures		LS	--		--	(248)
Other		LS	--		--	(429)
ESTIMATED CONTRACT COST						13,808
CONTINGENCY (5.00%)						690
SUBTOTAL						14,498
SUPV, INSP & OVERHEAD (3.46%)						502
TOTAL REQUEST						15,000
TOTAL FEDERAL REQUEST						15,000
TOTAL FEDERAL REQUEST (ROUNDED)						15,000
INSTALLED EQT-OTHER APPROP						(1,119)
10. Description of Proposed Construction A specially designed National Guard Vehicle Maintenance Shop of permanent construction. The National Guard Vehicle Maintenance Shop includes the following items that are integral to the facility; Organizational Vehicle Parking (Paved). Comprehensive interior design services are requested. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes and as per 42 U.S. Code 4154. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas, and site improvements. Facilities will be designed to a minimum life of 50 years in accordance with DoDs Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance as per ASA(IE&E) Sustainable Design and Development Policy updated 2017. Access for individuals with disabilities will be provided. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This project will comply with the Army 1 SQFT for 1 SQFT disposal policy through the disposal of 34,251 SQFT. Disposal of 1 building at Peoria Army Aviation Support Facility 3, IL (Total 236 m2/2,538 SF), 1 building at Delavin Readiness Center, IL (Total 2,674 m2/28,784 SF), and 1 building at Camp Lincoln Training Site, IL (Total 272 m2/2,929 SF). Air Conditioning (Estimated 91 kW/26 Tons).						
11. REQ: 3,002 m2		ADQT: NONE		SUBSTD: NONE		
PROJECT: To construct a 32,308 SF National Guard Vehicle Maintenance Shop that supports						

1. COMPONENT ARNG		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION Bloomington Illinois				4. PROJECT TITLE NATIONAL GUARD VEHICLE MAINTENANCE SHOP		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 21407	7. PROJECT NUMBER 90193 171608		8. PROJECT COST (\$000) Approp 15,000	
PROJECT: (CONTINUED)						
<p>both organizational and support maintenance to repair combat and tactical vehicles for the ILARNG. This facility will be built on the State of Illinois Military Reservation in Bloomington, IL. (Current Mission)</p> <p><u>REQUIREMENT:</u> This facility is designed to meet the requirements to provide the authorized space for the full time authorized manning of maintenance personnel, which provide maintenance support to units in the central Illinois region, in order to address facility shortages and inadequacies as defined in the ISR-I. The proposed National Guard Vehicle Maintenance Shop will provide the required working environment for occupational, safety and health standards for this facility with new general purpose work bays, special purpose work bays, work areas, administrative, supply room, classroom, lockers, latrines/showers, and other necessary maintenance space for the personnel to complete their mission. This facility is used 5 days a week by the full time staff and will be used on drill weekends for training purposes and mission requirements. Supported units/UICs include:</p> <p>WP44AA - 44th Chemical Battalion. (Unit moving from Macomb to Bloomington)</p> <p>WPCSB0 - B Co 634th Brigade Support Battalion, Champaign. (Equipment currently being maintained in Urbana will be moved to Bloomington)</p> <p>WX1MD0 D Co 766th Brigade Engineer Battalion, Decatur. (Equipment currently being maintained in Decatur will be moved to Bloomington)</p> <p>WY74AA - HHC 404th Maneuver Enhanced Brigade, Normal. (Equipment currently being maintained in Peoria will be moved to Bloomington)</p> <p>WQTGAA HHC 33rd Infantry Combat Team, Urbana. (Equipment currently maintained in Urbana will be moved to Bloomington)</p> <p>WPBSAA 450th Chemical Detachment (Unit moving from Macomb to Bloomington)</p> <p>W978AA - 176th Cyber Protection Team.</p> <p>WX4ZA0 - Trp A, 2-106th Cavalry Squadron.</p> <p><u>CURRENT SITUATION:</u> This project is critical to the state of Illinois because in the central part of the state there is no existing Vehicle Maintenance Shop. The new facility will provide for vehicle maintenance for ILARNG military equipment traversing the state in both north-south and east-west directions. A lack of a centrally located Vehicle Maintenance Shop will impair the ability to provide vehicle maintenance in the event of a natural or man-made disaster or to provide day to day service for Readiness Centers located in central Illinois to include Normal, Urbana, Pontiac, Champaign and Bloomington. The current Vehicle Maintenance Shop (FMS #17) in Urbana will close and its functions moved to this proposed facility. The current facilities have a deficit of 77% square footage of the overall requirement with a total ILARNG Vehicle Maintenance Shop (Category Code 21407) deficit of 349,500 SF. The former Vehicle Maintenance Facility FMS #16 was closed in 2012 and converted to storage and the consolidated ILARNG Secure Communications facility housing the Temporary Secure Work Area (TSWA).</p> <p>The site for this project is in the possession of the state of Illinois.</p> <p>Currently, the state of Illinois has completed the environmental assessment on this project.</p>						

1. COMPONENT ARNG		FY 2022 MILITARY CONSTRUCTION PROJECT DATA				2. DATE MAY 2021		
3. INSTALLATION AND LOCATION Bloomington Illinois				4. PROJECT TITLE NATIONAL GUARD VEHICLE MAINTENANCE SHOP				
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 21407		7. PROJECT NUMBER 90193 171608		8. PROJECT COST (\$000) Approp 15,000		
<u>CURRENT SITUATION: (CONTINUED)</u>								
The facility where the current operations are being conducted was constructed in 1950.								
Site Code	Site UID	Cat Code	FACNO	ISR-I Year	F Rating	Q Rating	C Rating	Local Name
17C60	7662	21407	0003A	2019	F3	Q3	C4	Veh Maint Shop
17C60	7662	21407	0002A	2019	F3	Q3	C4	Veh Maint Shop Annex
Compliance issues include, but are not limited to, the fact the existing Vehicle Maintenance Facility does not meet current design criteria. Does not provide the required working environment for occupational, safety and health standards for this facility with new general purpose work bays, special purpose work bays, work areas, administrative, supply room, classroom, lockers, latrines/showers, and other necessary maintenance space for the personnel to complete their mission. ATRFP measures do not meet current standards and cannot be met due to obsolete facility construction/design and site layout.								
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided the Vehicle Maintenance support will remain in 1950s vintage facilities that do not meet current design standards and are not located per the ILARNG long range stationing plan and vision. The supported units' readiness and other major end items will be adversely affected due to having inadequate capability of providing maintenance support in the central geographical area of the State. Maintenance personnel will continue to perform their mission in substandard conditions by working outside because of height restrictions of the bays and having no lift capabilities. In addition, maintenance personnel are unable to conduct parts of their mission because they do not have the specialty bays and/or the equipment necessary. This will affect the overall readiness of the Illinois Army National Guard as the units could become a non-mobilization asset and unable to perform Homeland Security missions due to the poor equipment conditions. O&M costs will remain excessive in maintaining the vintage facilities and performing required updates to accommodate newer, larger and more sophisticated equipment than what the facilities were originally designed for. Retention of highly skilled mechanics and Soldiers will become more difficult over time as the facilities continue to degrade causing a declining quality of the workplace. The existing facilities meet no ATRFP requirements they were not constructed to meet any ATRFP criteria.								
<u>ADDITIONAL:</u> Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.								
<u>PHYSICAL SECURITY:</u> This project has been coordinated with the installation physical security plan, and all physical security measures are included.								
<u>ANTITERRORISM/FORCE PROTECTION:</u> This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.								

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Bloomington Illinois	4. PROJECT TITLE NATIONAL GUARD VEHICLE MAINTENANCE SHOP
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 21407	7. PROJECT NUMBER 90193 171608	8. PROJECT COST (\$000) Approp 15,000
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ADDITIONAL: (CONTINUED)
ECONOMIC ANALYSIS: Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installation and Housing) certifies that this project has been considered for joint use potential. Mission requirements, operational considerations, and location are incompatible with use by other components.

Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	JAN 2020
(b) Percent Complete as of January 2021.....	65
(c) Date 35% Designed.....	JUN 2020
(d) Date Design Complete.....	OCT 2021
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):

(\$000)

(a) Production of Plans and Specifications.....	839
(b) All Other Design Costs.....	476
(c) Total Design Cost.....	1,315
(d) Contract.....	1,315
(e) In-house.....	0

(4) Construction Contract Award..... MAR 2022

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1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021					
3. INSTALLATION AND LOCATION Topeka Kansas		4. AREA CONSTRUCTION COST INDEX .95					
5. FREQUENCY AND TYPE OF UTILIZATION Administration 5 days/week, with 2-day training assembly 2-3 times/month.							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS							
USAFR	Topeka, KS	3.00 miles USAR Center	5,270 m2	(56,722 SF)	1997		
ARNG	Topeka, KS	5.00 miles Maintenance Facility	5,102 m2	(54,919 SF)	1952		
ARNG	Topeka, KS	5.00 miles Readiness Center	13,548 m2	(145,826 SF)	1955		
ARNG	Topeka, KS	5.00 miles USPFO Office	7,552 m2	(81,289 SF)	1952		
USAFR	Lawrence, KS	28.00 miles USAR Center	1,537 m2	(16,545 SF)	1965		
ARNG	Lawrence, KS	30.00 miles Readiness Center	1,706 m2	(18,364 SF)	1961		
7. PROJECTS REQUESTED IN THIS PROGRAM							
CATEGORY	<u>PROJECT TITLE</u>		COST	<u>DESIGN STATUS</u>			
<u>CODE</u>	NATIONAL GUARD/RESERVE	<u>SCOPE</u>	<u>(\$000)</u>	<u>START</u>	<u>CMPL</u>		
17142	CENTER BUILDING	5,482 m2 (59,005 SF)	16,732	OCT 2019	OCT 2021		
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION							
FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE JOINT CONSTRUCTION.				08 SEP 2020 (Date)			
9. LAND ACQUISITION REQUIRED							
None				0 (Number of acres)			
10. PROJECTS PLANNED IN NEXT FOUR YEARS							
CATEGORY				COST			
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>		<u>(\$000)</u>			
NONE							
DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):			0				
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.							
11. PERSONNEL STRENGTH AS OF 30 SEP 2020							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	197	40	32	125	183	102	81
ACTUAL	210	29	42	139	183	102	81
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>		<u>UIC</u>	<u>TPSN</u>	<u>MTOE/TDA</u>	<u>STRENGTH</u>		
(HQ ARNG ELMT, JFHQ-KS)		W8A1AA		NGW8A1AA	<u>AUTHORIZED</u>	<u>ACTUAL</u>	
(HQ ARMY ELE JFHQ-KS)		W928AA		NGW928AA	138	138	
KS ANG HEADQUARTERS (JFHQ)		FPL6Z0			3	3	
					42	42	
					183	183	
Assigned/Authorized: 100%							

1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021																								
3. INSTALLATION AND LOCATION Topeka Kansas		4. AREA CONSTRUCTION COST INDEX .95																								
13. MAJOR EQUIPMENT AND AIRCRAFT																										
<table> <thead> <tr> <th><u>TYPE</u></th> <th><u>AUTHORIZED</u></th> <th><u>ACTUAL</u></th> </tr> </thead> <tbody> <tr> <td>WHEELED</td> <td>0</td> <td>0</td> </tr> <tr> <td>TRAILERS</td> <td>0</td> <td>0</td> </tr> <tr> <td>TRACKED</td> <td>0</td> <td>0</td> </tr> <tr> <td>EQUIPMENT > 30 FT</td> <td>0</td> <td>0</td> </tr> <tr> <td>Fuel Truck</td> <td>0</td> <td>0</td> </tr> <tr> <td>HET</td> <td>0</td> <td>0</td> </tr> <tr> <td>TOTALS</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>	WHEELED	0	0	TRAILERS	0	0	TRACKED	0	0	EQUIPMENT > 30 FT	0	0	Fuel Truck	0	0	HET	0	0	TOTALS	0	0		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>																								
WHEELED	0	0																								
TRAILERS	0	0																								
TRACKED	0	0																								
EQUIPMENT > 30 FT	0	0																								
Fuel Truck	0	0																								
HET	0	0																								
TOTALS	0	0																								
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																										
	(\$000)																									
A. AIR POLLUTION	0																									
B. WATER POLLUTION	0																									
C. OCCUPATIONAL SAFETY AND HEALTH	0																									

1. COMPONENT ARNG		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION Topeka Kansas				4. PROJECT TITLE NATIONAL GUARD/RESERVE CENTER BUILDING		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17142	7. PROJECT NUMBER 86491 200105		8. PROJECT COST (\$000) Approp 16,732	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						14,001
17142 Readiness Center		m2 (SF)	5,482 (59,005)		2,422	(13,276)
82187 Backup/Emergency Generator		EA	1 --		450,000	(450)
Sustainability/Energy Measures		LS	--		--	(275)
SUPPORTING FACILITIES						1,245
Electric Service		LS	--		--	(120)
Water, Sewer, Gas		LS	--		--	(256)
Paving, Walks, Curbs And Gutters		LS	--		--	(431)
Storm Drainage		LS	--		--	(134)
Site Imp(140) Demo()		LS	--		--	(140)
Information Systems		LS	--		--	(14)
Antiterrorism Measures		LS	--		--	(93)
Other		LS	--		--	(57)
ESTIMATED CONTRACT COST						15,246
CONTINGENCY (5.00%)						762
SUBTOTAL						16,008
SUPV, INSP & OVERHEAD (4.52%)						724
TOTAL REQUEST						16,732
TOTAL FEDERAL REQUEST						16,732
INSTALLED EQT-OTHER APPROP						(2,522)
10. Description of Proposed Construction A specially designed National Guard Reserve Center Building of permanent construction. The National Guard Reserve Center Building includes the following items that are integral to the facility; Backup/Emergency Generator and Organizational Military Parking. Comprehensive interior design services are requested. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes and as per 42 U.S. Code 4154. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas, and site improvements. Facilities will be designed to a minimum life of 50 years in accordance with DoDs Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance as per ASA(IE&E) Sustainable Design and Development Policy updated 2017. Access for individuals with disabilities will be provided. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This project will comply with the Army 1 SQFT for 1 SQFT disposal policy through the disposal of 59,124 SQFT. Disposal of 1 building at JFHQ - KANSAS, KS (Total 5,119 m2/55,098 SF), and 1 building at Forbes Field, KS (Total 374 m2/4,026 SF). Air Conditioning (Estimated 1,104 kW/314 Tons).						
11. REQ: 5,482 m2		ADQT: 3,777 m2		SUBSTD: NONE		
PROJECT: To construct a 59,005 SQFT National Guard/Reserve Center, a building or buildings that support individual and collective training as well as administrative,						

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Topeka Kansas	4. PROJECT TITLE NATIONAL GUARD/RESERVE CENTER BUILDING
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17142	7. PROJECT NUMBER 86491 200105	8. PROJECT COST (\$000) Approp 16,732
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PROJECT: (CONTINUED)

automation and communications, and logistical requirements for the Army National Guard (ARNG) and Air National Guard (ANG). This facility will be built on the Army Licensed Site to the Kansas Army National Guard at Forbes Field, Topeka, KS. The requested amount is \$15,000,000 ARNG and \$1,732,000 ANG for a total of \$16,732,000. (Current Mission) REQUIREMENT: This facility is designed to partially meet the administrative, storage, and training requirements of a Joint Forces Headquarters (JFHQ) for the listed units authorized 183 soldiers namely: W8A1AA with 138 soldiers, and W928AA with 3 soldiers, and 42 airmen in accordance with JFHQ-KS relocation master plan. Personnel assigned to the JFHQ-KS currently occupy all or portions of eight separate buildings on two sites in Topeka which are now utilized at 120% of full capacity. New facilities at Topeka Forbes ANGB will house a full-time JFHQ workforce of 110 full-time administrative positions. The center is the single gathering point for Reserve Component personnel and is a mobilization platform during Federal and State activation of Reserve Component troops. Building serves as a headquarters for Table of Organization and Equipment (TOE) and Table of Distribution and Allowances (TDA) organizations and provides support to the community. A building or buildings that support individual and collective training as well as administrative, automation and communications, and logistical requirements for the KSARNG and KSANG.

CURRENT SITUATION: This project is critical to the state of Kansas due to the current situation of mission readiness. The primary facility supporting this mission was built in 1955 and does not comply with current NG Pam 415-12 standards. The units are currently working in eight buildings on two sites with 82% authorized space. Future goal is to move JFHQ personnel from site code 20D16 and from Cat Code 61050 Blgs to Cat code 17142 JFHQ Bldg at Forbes Field ANGB. The Administrative Bldgs Cat Code 61050 are rated C1 due to RPLANS edit justifying the square footage requirements for JFHQ personnel assigned to these buildings. Current facilities lack design functionality for administrative space within a Joint Forces Headquarters and there are substantial shortages of administrative space, toilets, showers, and locker rooms. AT/FP setback requirements cannot be met due to the proximity to a major road. Current facility is not energy efficient and has a history of high maintenance costs. Renovation is imprudent because of AT/FP issues and the design functionality of interior spaces within the JFHQ.

The site for this project is in the possession of the state of Kansas.

Currently, the state of Kansas has begun the environmental assessment on this project.

The facility where the current operations are being conducted was constructed in 1955.

Site Code	Site UID	Cat Code	FACNO	ISR-I Year	F Rating	Q Rating	C Rating	Local Name
20D16	7579	17180	00102	2019	F4	Q3	C3	Nickell Readiness Center
20D16	7579	61050	00100	2020	F3	Q2	C1	State Defense Blgs
20D16	7579	61050	00101	2016	F4	Q1	C1	CFMO
20D16	7579	61050	00201	2018	F3	Q1	C1	CBPO & SASMO Ready
20D20	2080	61050	2003	2018	F2	Q1	C1	Bldg

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Topeka Kansas	4. PROJECT TITLE NATIONAL GUARD/RESERVE CENTER BUILDING
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17142	7. PROJECT NUMBER 86491 200105	8. PROJECT COST (\$000) Approp 16,732
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CURRENT SITUATION: (CONTINUED)

20D20	2080	61050	2005	2017	F1	Q1	C1	Wing HQ
20D20	2080	61050	0670	2017	F2	Q1	C1	HRO Offices

IMPACT IF NOT PROVIDED: The JFHQ in Kansas will continue to struggle with facilities that are over 60 years old, poorly situated and inefficiently designed to the JFHQ function. AT/FP standards will remain compromised. Opportunity to utilize modern, efficiently designed space in one concentrated location, namely Topeka Forbes Field ANGB, will go unrealized. Resource protection manpower will not be consolidated. Estimated savings lost in operating cost over a 10 year period exceeds \$8.9M. Delays in funding will prolong the use of facilities that negatively impact the JFHQ function and thus overall readiness.

ADDITIONAL: Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.

PHYSICAL SECURITY: This project has been coordinated with the installation physical security plan, and all physical security measures are included.

ANTITERRORISM/FORCE PROTECTION: This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.

ECONOMIC ANALYSIS: Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. This facility will be available for use by other components.

Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:	
(a) Design Start Date.....	OCT 2019
(b) Percent Complete as of January 2021.....	35
(c) Date 35% Designed.....	OCT 2020
(d) Date Design Complete.....	OCT 2021

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Topeka Kansas	4. PROJECT TITLE NATIONAL GUARD/RESERVE CENTER BUILDING
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17142	7. PROJECT NUMBER 86491 200105	8. PROJECT COST (\$000) Approp 16,732
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

- (e) Parametric Cost Estimating Used to Develop Costs.. NO
- (f) Type of Design Contract: Design-bid-build
- (g) An energy study and life cycle cost analysis will be documented during the final design.

(2) Basis:

- (a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	915
(b) All Other Design Costs.....	518
(c) Total Design Cost.....	1,433
(d) Contract.....	1,433
(e) In-house.....	0

(4) Construction Contract Award..... OCT 2021

(5) Construction Start..... DEC 2021

(6) Construction Completion..... OCT 2023

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
F F & E	OMNG	Future Request	750
ESS (171R)	OPA	Future Request	1,054
Info Sys - ISC	OPA	Future Request	395
Info Sys - PROP	OMNG	Future Request	322
Total			2,522

1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021			
3. INSTALLATION AND LOCATION Lake Charles Louisiana		4. AREA CONSTRUCTION COST INDEX 1.25			
5. FREQUENCY AND TYPE OF UTILIZATION Administration 5 days/week, with 2-day training assembly 2-3 times/month.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS					
ARNG	Dequincy, LA	26.00 miles Readiness Center			
ARNG	Deridder, LA	51.00 miles Readiness Center			
ARNG	Crowley, LA	54.00 miles Readiness Center			
		1,156 m2 (12,446 SF) 1984			
		1,167 m2 (12,563 SF) 1980			
		1,801 m2 (19,390 SF) 1948			
7. PROJECTS REQUESTED IN THIS PROGRAM					
<u>CATEGORY</u> <u>CODE</u>	<u>PROJECT TITLE</u> NATIONAL GUARD	<u>SCOPE</u> 5,611 m2 (60,391 SF)			
17180	READINESS CENTER				
		<u>COST</u> (\$000) 18,500			
		<u>DESIGN STATUS</u> <u>START</u> JAN 2019 <u>CMPL</u> OCT 2021			
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION					
FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.		29 SEP 2020 (Date)			
9. LAND ACQUISITION REQUIRED					
None		0 (Number of acres)			
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
<u>CATEGORY</u> <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>			
NONE					
	DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):	10,000			
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.					
11. PERSONNEL STRENGTH AS OF 30 SEP 2020					
	<u>PERMANENT</u>	<u>GUARD/RESERVE</u>			
	<u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u> <u>CIVILIAN</u>	<u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u>			
AUTHORIZED	26 4 22 0	143 21 122			
ACTUAL	14 2 12 0	173 23 150			
12. RESERVE UNIT DATA					
<u>UNIT DESIGNATION</u>	<u>UIC</u>	<u>TPSN</u>	<u>MTOE/TDA</u>	<u>STRENGTH</u>	
HHC (BN INF BN (IBCT))	WPQRT0	14256	07215KNG09	<u>AUTHORIZED</u>	<u>ACTUAL</u>
DET 1, CO H 199 SPT BN (BN BDE SPT	WQP1H1		63035KNG05	108	125
CO B, LA ARNG REC & RET BN (BN LOUI	W90VB1		NGW90VAA	33	46
				2	2
				143	173
Assigned/Authorized: 121%					

1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021																								
3. INSTALLATION AND LOCATION Lake Charles Louisiana		4. AREA CONSTRUCTION COST INDEX 1.25																								
13. MAJOR EQUIPMENT AND AIRCRAFT																										
<table border="0"> <thead> <tr> <th><u>TYPE</u></th> <th><u>AUTHORIZED</u></th> <th><u>ACTUAL</u></th> </tr> </thead> <tbody> <tr> <td>WHEELED</td> <td>37</td> <td>39</td> </tr> <tr> <td>TRAILERS</td> <td>42</td> <td>42</td> </tr> <tr> <td>TRACKED</td> <td>0</td> <td>0</td> </tr> <tr> <td>EQUIPMENT > 30 FT</td> <td>3</td> <td>3</td> </tr> <tr> <td>Fuel Truck</td> <td>0</td> <td>0</td> </tr> <tr> <td>HET</td> <td>0</td> <td>0</td> </tr> <tr> <td>TOTALS</td> <td>82</td> <td>84</td> </tr> </tbody> </table>	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>	WHEELED	37	39	TRAILERS	42	42	TRACKED	0	0	EQUIPMENT > 30 FT	3	3	Fuel Truck	0	0	HET	0	0	TOTALS	82	84		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>																								
WHEELED	37	39																								
TRAILERS	42	42																								
TRACKED	0	0																								
EQUIPMENT > 30 FT	3	3																								
Fuel Truck	0	0																								
HET	0	0																								
TOTALS	82	84																								
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																										
	(\$000)																									
A. AIR POLLUTION	0																									
B. WATER POLLUTION	0																									
C. OCCUPATIONAL SAFETY AND HEALTH	0																									

1. COMPONENT ARNG		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION Lake Charles Louisiana				4. PROJECT TITLE NATIONAL GUARD READINESS CENTER		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17180	7. PROJECT NUMBER 85434 220141		8. PROJECT COST (\$000) Approp 18,500	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						18,429
17180 Readiness Center		m2 (SF)	4,481 (48,232)		3,100	(13,891)
21411 Detached General Purpose Trainin		m2 (SF)	774.53 (8,337)		3,068	(2,376)
44224 Unheated Storage Building		m2 (SF)	260.31 (2,802)		1,615	(420)
44228 Controlled Waste Facility		m2 (SF)	30.66 (330)		1,345	(41)
44240 Flammable Materials Facility		m2 (SF)	10.22 (110)		1,453	(15)
Total from Continuation page(s)						(1,686)
SUPPORTING FACILITIES						4,278
Electric Service		LS	--		--	(74)
Water, Sewer, Gas		LS	--		--	(263)
Paving, Walks, Curbs And Gutters		LS	--		--	(1,274)
Storm Drainage		LS	--		--	(289)
Site Imp(1,800) Demo()		LS	--		--	(1,800)
Information Systems		LS	--		--	(61)
Antiterrorism Measures		LS	--		--	(262)
Other		LS	--		--	(255)
ESTIMATED CONTRACT COST						22,707
CONTINGENCY (5.00%)						1,135
SUBTOTAL						23,842
SUPV, INSP & OVERHEAD (3.46%)						825
TOTAL REQUEST						24,667
State Share						6,167
TOTAL FEDERAL REQUEST						18,500
TOTAL FEDERAL REQUEST (ROUNDED)						18,500
INSTALLED EQT-OTHER APPROP						(1,821)
10. Description of Proposed Construction A specially designed National Guard Readiness Center of permanent construction. The National Guard Readiness Center includes the following items that are integral to the facility; Backup/Emergency Generator, Organizational Vehicle Parking (Paved), Controlled Waste Facility, Flammable Materials Facility, Overhead Protection, Electric Power, Photovoltaic and Heating Plant, Solar. Comprehensive Interior Design services are requested. This facility will be designed to meet Industry Standards as well as all Local, State, and Federal building codes as per 42 U.S. Code 4154. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas and site improvements. Facilities will be designed to a minimum life of 50 years in accordance with DoD's Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance as per ASA (IE&E) Sustainable Design and Development Policy Updated 2017. Access for individuals with disabilities will be provided. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This project will comply with the Army 1 SQFT for 1 SQFT disposal policy through the disposal of 61,495 SQFT. Disposal of 1 building at Jennings Readiness Center, LA (Total 1,330 m2/14,319 SF), 1 building at Jonesville Readiness Center, LA (Total 1,619 m2/17,429 SF), 1 building at Oakdale Readiness Center, LA (Total 1,616 m2/17,390 SF), and 1 building at Winnfield Readiness Center, LA (Total						

1. COMPONENT ARNG		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION Lake Charles Louisiana				4. PROJECT TITLE NATIONAL GUARD READINESS CENTER		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17180	7. PROJECT NUMBER 85434 220141		8. PROJECT COST (\$000) Approp 18,500	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
PRIMARY FACILITY (CONTINUED)						
81160 Backup/Emergency Generator		EA	1 --		150,000	(150)
85210 Rigid Pavement for MEP		m2 (SY)	3,554 (4,250)		143.52	(510)
81122 Electric Power, Photovoltaic		EA	1 --		200,000	(200)
82182 Heating Plant, Solar		EA	1 --		75,000	(75)
14179 Overhead Protection		m2 (SF)	53.88 (580)		1,163	(63)
Sustainability/Energy Measures		LS	--		--	(353)
Antiterrorism Measures		LS	--		--	(335)
					Total	1,686
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
1,148 m2/12,357 SF). Air Conditioning (Estimated 728 kW _r /207 Tons).						
11. REQ: 5,611 m2 ADQT: NONE SUBSTD: NONE						
PROJECT: To construct a 60,391 SQFT National Guard Readiness Center that supports training, administrative and logistical requirements for the LAARNG. This facility will be built on the State of Louisiana Military Installation consisting of 61 acres of land located at Chenault Airfield in Lake Charles. (Current Mission)						
REQUIREMENT: This facility is required to station the HHC 3-156 Inf BN (IBCT) and Det 1 CO H 199th SPT BN (BN BSB IBCT ABN). No other adequate facilities are available to support these units. This facility is required to house the units mentioned above for peace-time training and ensure the equipment is prepared for mobilizations. The current facility has age related problems which include water damage due to a perpetual roof leak, lacks proper layout space for missions and is severely undersized in building and land.						
CURRENT SITUATION: This project is critical to the state of Louisiana due to the current situation of a building built in 1957 which does not meet building codes or criteria. The units are currently operating in a facility that is only 38% of the authorized space. Renovation is not a viable alternative because the 3 acre site, shared with a Vehicle Maintenance Shop, is too small for expansion. The RC's envelope components are in poor condition and need of repair; the roof leaks during every rain event and the drain in the kitchen backs up causing severe interior flooding. The HVAC system is aged and needs replacement. Plumbing systems, natural gas piping, sanitary systems and related distribution components are original to the building and in need of repair. Due to the uneven ground around the exterior and the congested configuration of the interior, low light levels create movement hazards during power failures and during hours of darkness. The building lacks a fire suppression system, access control and the alarm system is antiquated. This facility also has limited parking for both private and military vehicles. The existing parking lots have broken, damaged and missing surface materials which creates hazards for moving vehicles and foot traffic.						
The site for this project is in the possession of the state of Louisiana.						
Currently, the state of Louisiana has completed the environmental assessment on this						

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Lake Charles Louisiana	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 85434 220141	8. PROJECT COST (\$000) Approp 18,500
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ADDITIONAL: (CONTINUED)
security plan, and all physical security measures are included.

ANTITERRORISM/FORCE PROTECTION: This project has been coordinated with the installation antiterrorism plans. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and additional protective measures, above the minimum required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings), are needed to mitigate the threat. These requirements are included in the description of construction and cost estimate.

ECONOMIC ANALYSIS: Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. This facility will be available for use by other components.

Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	JAN 2019
(b) Percent Complete as of January 2021.....	65
(c) Date 35% Designed.....	JUN 2019
(d) Date Design Complete.....	OCT 2021
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Lake Charles Louisiana	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 85434 220141	8. PROJECT COST (\$000) Approp 18,500
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(a) Production of Plans and Specifications.....	1,110
(b) All Other Design Costs.....	1,024
(c) Total Design Cost.....	2,134
(d) Contract.....	2,134
(e) In-house.....	0
<hr/>	
(4) Construction Contract Award.....	MAR 2022
<hr/>	
(5) Construction Start.....	APR 2022
<hr/>	
(6) Construction Completion.....	APR 2024

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
F F & E	OMNG	Future Request	925
Kitchen Equipment (Type C)	OMNG	Future Request	50
ESS (171R)	OPA	Future Request	54
Info Sys - ISC	OPA	Future Request	319
Info Sys - PROP	OMNG	Future Request	473
Total			<hr/> 1,821

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1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE MAY 2021			
3. INSTALLATION AND LOCATION Saco Maine			INSNO= 23B95	4. AREA CONSTRUCTION COST INDEX 1.10			
5. FREQUENCY AND TYPE OF UTILIZATION Maintenance operations full time 5 days/week and 1 weekend/month for IDT Units.							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS							
ARNG	Westbrook, ME	9.00 miles	Readiness Center	1,407 m2 (15,145 SF) 1949			
ARNG	Sanford, ME	21.00 miles	Readiness Center	1,025 m2 (11,038 SF) 1955			
ARNG	Portland, ME	31.00 miles	Maintenance Facility	1,756 m2 (18,904 SF) 1941			
7. PROJECTS REQUESTED IN THIS PROGRAM							
CATEGORY	<u>PROJECT TITLE</u>		COST	<u>DESIGN STATUS</u>			
<u>CODE</u>	<u>NATIONAL GUARD VEHICLE</u>	<u>SCOPE</u>	<u>(\$000)</u>	<u>START</u> <u>CMPL</u>			
21407	MAINTENANCE SHOP	3,678 m2 (40,559 SF)	21,200	OCT 2019 JUN 2021			
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION							
FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE JOINT CONSTRUCTION.				23 JUN 2020 (Date)			
9. LAND ACQUISITION REQUIRED							
None				0 (Number of acres)			
10. PROJECTS PLANNED IN NEXT FOUR YEARS							
CATEGORY				COST			
<u>CODE</u>	<u>PROJECT TITLE</u>		<u>SCOPE</u>	<u>(\$000)</u>			
NONE							
DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): 15,000							
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.							
11. PERSONNEL STRENGTH AS OF 19 JUN 2019							
	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	21	0	0	21	0	0	0
ACTUAL	9	0	0	9	0	0	0
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>	<u>UIC</u>	<u>TPSN</u>	<u>MTOE/TDA</u>	<u>STRENGTH</u>			
FMS 01 (EQP ME ARNG FLD MAINT)	W8SD01			<u>AUTHORIZED</u>	<u>ACTUAL</u>		
				0	0		
				0	0		
				Assigned/Authorized: 0%			
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>		<u>AUTHORIZED</u>	<u>ACTUAL</u>				
WHEELED		68	7				
TRAILERS		89	6				
TRACKED		34	0				
EQUIPMENT > 30 FT		36	0				
Fuel Truck		7	0				
HET		0	0				
TOTALS		234	13				

1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021						
3. INSTALLATION AND LOCATION Saco Maine		4. AREA CONSTRUCTION INSNO= 23B95 COST INDEX 1.10						
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES <div style="text-align: right; margin-right: 100px;">(\$000)</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>			A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
A. AIR POLLUTION	0							
B. WATER POLLUTION	0							
C. OCCUPATIONAL SAFETY AND HEALTH	0							

1. COMPONENT ARNG		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION Saco Maine				4. PROJECT TITLE NATIONAL GUARD VEHICLE MAINTENANCE SHOP		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 21407	7. PROJECT NUMBER 85435 230125		8. PROJECT COST (\$000) Approp 21,200	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST(\$000)	
<u>PRIMARY FACILITY</u>					14,886	
21407 Maintenance Shop		m2 (SF)	3,768 (40,559)	3,849	(14,501)	
85210 Rigid Pavement for MEP		m2 (SY)	1,798 (2,150)	88.87	(160)	
Sustainability/Energy Measures		LS	--	--	(225)	
<u>SUPPORTING FACILITIES</u>					4,133	
Electric Service		LS	--	--	(200)	
Water, Sewer, Gas		LS	--	--	(600)	
Paving, Walks, Curbs And Gutters		LS	--	--	(1,075)	
Storm Drainage		LS	--	--	(250)	
Site Imp(675) Demo()		LS	--	--	(675)	
Information Systems		LS	--	--	(180)	
Antiterrorism Measures		LS	--	--	(365)	
Other		LS	--	--	(788)	
ESTIMATED CONTRACT COST					19,019	
CONTINGENCY (5.00%)					951	
SUBTOTAL					19,970	
SUPV, INSP & OVERHEAD (6.16%)					1,230	
TOTAL REQUEST					21,200	
TOTAL FEDERAL REQUEST					21,200	
INSTALLED EQT-OTHER APPROP					(1,013)	
10. Description of Proposed Construction A specially designed Joint National Guard Vehicle Maintenance Shop (FMS) of permanent construction. The Joint National Guard Vehicle Maintenance Shop includes the following items that are integral to the facility: Rigid Pavement for MEP and sustainability / energy measures. Comprehensive interior design services are requested. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes per 42 USC 4154. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas and site improvements. Facilities will be designed to a minimum life of 50 years in accordance with DoDs Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance as per ASA (IE&E) Sustainable Design and Development Policy update Dec 2017. Access for individuals with disabilities will be provided. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This project will comply with the Army 1 SQFT for 1 SQFT disposal policy through the disposal of 31,009 SQFT. Disposal of 3 buildings at Camp Keyes Training Site, ME (Total 190 m2/2,046 SF), 2 buildings at Bangor Armed Forces Reserve Center, ME (Total 106 m2/1,146 SF), 2 buildings at Bangor Training Site, ME (Total 31 m2/339 SF), 1 building at Bog Brook Riley Training Site, ME (Total 50 m2/533 SF), 1 building at Caribou Readiness Center, ME (Total 7 m2/72 SF), 1 building at Gardiner Training Site, ME (Total 166 m2/1,792 SF), 3 buildings at Lewiston Armed Forces Reserve Center, ME (Total 56 m2/600 SF), 2 buildings at Plymouth Training Site, ME (Total						

1. COMPONENT ARNG		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION Saco Maine				4. PROJECT TITLE NATIONAL GUARD VEHICLE MAINTENANCE SHOP		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 21407	7. PROJECT NUMBER 85435 230125		8. PROJECT COST (\$000) Approp 21,200	
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
136 m2/1,464 SF), 5 buildings at Portland Readiness Center & Field Maint Shop, ME (Total 2,062 m2/22,190 SF), 1 building at Skowhegan Readiness Center, ME (Total 1 m2/7 SF), and 7 buildings at Waterville Readiness Center, ME (Total 76 m2/820 SF). Air Conditioning (Estimated 120 kW/34 Tons).						
11. REQ: 3,768 m2 ADQT: NONE SUBSTD: NONE						
PROJECT: To construct a 40,559 SQFT Joint National Guard Vehicle Maintenance Shop (FMS) that supports field and sustainment maintenance of combat and tactical vehicles and equipment for the MEARNG and MEANG. This facility will be built on State land. The requested amount is \$16,000,000 ARNG and \$5,200,000 ANG for a total of \$21,200,000. (Current Mission)						
REQUIREMENT: This project is programmed to provide the full requirement in scope for UIC: W8SD01 FMS01(EQP ME ARNG FLD MAINT)TDA in order to properly support and maintain the equipment for the 262 EN (WY15AA)(WY15A1), and the Forward Support Company of the 133 EN BN (WQQNA0). The MEANG cost share will provide 9,550 square feet of space for the MEANG that includes exclusive use and joint space, meeting the requirements set for in ANGH32-1084. This project will correct the code and space deficiencies as well as provide a modernized facility by providing the proper amount of bay/work space needed for the Maine National Guard equipment. It will also provide the needed parking space/area to accommodate all maintenance tasks required by the MEARNG and MEANG. In addition, the construction of this facility would provide Soldiers and Airmen a safe and modern working environment to achieve their mission.						
CURRENT SITUATION: This project is critical to the state of Maine due to the current situation of the facility on lease for MEARNG use from the University of New England (UNE) has both exceeded its current lifecycle as a maintenance shop, and is wanted returned by UNE. Facility is not in adherence to state/federal ADA requirements, AT/FP standards and an inefficient fuel consumption rate. Facility has SQFT deficiencies effecting readiness and logistic abilities of mechanics accounting for 39% of authorized space. Average bay space is 52% of authorized space, not counting egress. Bath, battery and tool room are all undersized, with shower space located in the adjacent Portland Armory. These deficiencies hinder the readiness of the FMS mechanics without losing unneeded man hours due to a building insufficient for the mission.						
The site for this project is in the possession of the state of Maine.						
Currently, the state of Maine has begun the environmental assessment on this project.						
The facility where the current operations are being conducted was constructed in 1941.						
Recent hazard summary for the FMS #1 (23B40) note that there is insufficient lighting for the facility, poor ventilation exhaust for vehicle bays per applicable guidelines. Current electrical panel has blocked access due to current shop layout.						
Current facility contains asbestos which is potentially harmful toward occupants, and fire mitigation and electrical wiring specifications do not adhere to NFPA standards. In						

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Saco Maine	4. PROJECT TITLE NATIONAL GUARD VEHICLE MAINTENANCE SHOP
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 21407	7. PROJECT NUMBER 85435 230125	8. PROJECT COST (\$000) Approp 21,200
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CURRENT SITUATION: (CONTINUED)
addition, facility doesn't meet indoor air quality IAW ASHRAE standards 2013 62.1 and 62.2.

Current facility exceeds the Dept of Energy average fuel oil use for commercial facilities in the Northeast by 48%. The Northeast average of fuel use per square foot is .25 gallons of fuel oil per square foot where as the Facility Maintenance Shop 01 is currently at .37.

Site Code	Site UID	Cat Code	FACNO	ISR-I Year	F Rating	Q Rating	C Rating	Local Name
23B40	6863	21407	00002	2016	F4	Q4	C4	FMS01

Current facility violates federal and state ADA requirements by lacking facilities that are readily accessible to and usable by people with disabilities; for example, there is no elevator, wheel chair ramp and hall ways are below specifications.

Current facility does not meet the physical security standards contained within AR 190-51 and the minimum AT/FP standards outlined in UFC 4-010-01.

Facility is not in compliance with ADA, and is out of compliance with all DoD, Army and NG PAM 415-12 criteria.

FMS #1 is attached to the Portland Readiness Center, that has since been vacated by previous unit when the Brunswick Readiness Center opened, and returned to UNE.

IMPACT IF NOT PROVIDED: If this project is not provided, the maintenance readiness of The Maine National Guard will be negatively impacted within the following ways:

Unit readiness will be negatively affected with conducting services in an undersized facility with insufficient sized rooms, offices and work bays. Services will be delayed with inefficient working conditions that will hinder equipment training opportunities for assigned units which also affects the Operational Tempo (OPTEMPO) with unneeded delays. Equipment maintenance will continue to be impacted by performing services in an outdated, undersized facility creating a backlog and overdue services required for unit training.

Mechanics operating in an undersized facility that was configured for previous generations of Military vehicles creates life/safety risk. There is insufficient work and egress space, bays configured with exhaust hoses on opposite side of modern equipment, and minimal floor areas that are prone to excess clutter due to insufficient storage space. In addition, the organizational storage space is spread out over the facility compound to include cold storage and conex boxes, resulting loss of time spent on maintenance.

The current facility, that previously had the Portland Readiness Center and FMS#1, is a long term lease from UNE, who is eager to have the facility vacated for renovation for future campus use. Delaying this project will further tension our relationship between

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Saco Maine	4. PROJECT TITLE NATIONAL GUARD VEHICLE MAINTENANCE SHOP
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 21407	7. PROJECT NUMBER 85435 230125	8. PROJECT COST (\$000) Approp 21,200
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IMPACT IF NOT PROVIDED: (CONTINUED)

the MENG and the university. The leased space also creates an ATRFP concern. Civilians regularly come and go for university needs in the adjoining building. This has the potential for unwanted access to the FMS, which can jeopardize mechanic safety. Lastly, the FMS will affect O&M cost by incurring additional heating, electrical and repair costs averaging \$75,800 per year.

ADDITIONAL: Sustainable principles, to include life cycle Cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.

PHYSICAL SECURITY: This project has been coordinated with the installation physical security plan, and all physical security measures are included.

ANTITERRORISM/FORCE PROTECTION: This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.

ECONOMIC ANALYSIS: Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installation and Housing) certifies that this project has been considered for joint use potential. Mission requirements, operational considerations, and location are incompatible with use by other components.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	OCT 2019
(b) Percent Complete as of January 2021.....	65
(c) Date 35% Designed.....	OCT 2020

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1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021
3. INSTALLATION AND LOCATION Butte Montana	INSNO= 30A28	4. AREA CONSTRUCTION COST INDEX 1.08
5. FREQUENCY AND TYPE OF UTILIZATION Administration 5 days/week, with 2-day training assembly 2-3 times/month.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS None		
7. PROJECTS REQUESTED IN THIS PROGRAM		
<u>CATEGORY</u> <u>CODE</u>	<u>PROJECT TITLE</u> NATIONAL GUARD	<u>SCOPE</u> 6,274 m2 (67,530 SF)
17180	READINESS CENTER	16,000
		<u>COST (\$000)</u> 16,000
		<u>DESIGN STATUS</u> <u>START</u> <u>CMPL</u> NOV 2019 OCT 2021
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.		
		21 APR 2020 (Date)
9. LAND ACQUISITION REQUIRED None		
		0 (Number of acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
<u>CATEGORY</u> <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>
NONE		
		<u>COST (\$000)</u> 21,000
DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): 21,000		
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.		
11. PERSONNEL STRENGTH AS OF 30 SEP 2020		
	<u>PERMANENT</u>	<u>GUARD/RESERVE</u>
	<u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u> <u>CIVILIAN</u>	<u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u>
AUTHORIZED	23 6 17 0	129 31 98
ACTUAL	19 5 14 0	129 31 98
12. RESERVE UNIT DATA		
<u>UNIT DESIGNATION</u>	<u>UIC</u>	<u>TPSN</u>
(HHC , REG SPT GRP)	WPT2AA	12116
DET 2 (CO VERTICAL CONSTRUCT)	WX2YA2	30545
		<u>MTOE/TDA</u>
		51632KNG09
		05420KNG83
		<u>STRENGTH</u> <u>AUTHORIZED</u> <u>ACTUAL</u>
		83 83
		46 46
		129 129
		Assigned/Authorized: 100%
13. MAJOR EQUIPMENT AND AIRCRAFT		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>
WHEELED	32	32
TRAILERS	36	36
TRACKED	2	2
EQUIPMENT > 30 FT	4	4
Fuel Truck	0	0
HET	0	0
TOTALS	74	74

1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021						
3. INSTALLATION AND LOCATION Butte Montana		4. AREA CONSTRUCTION COST INDEX 1.08						
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES <div style="text-align: right; margin-right: 100px;">(\$000)</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>			A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
A. AIR POLLUTION	0							
B. WATER POLLUTION	0							
C. OCCUPATIONAL SAFETY AND HEALTH	0							

1. COMPONENT ARNG		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION Butte Montana				4. PROJECT TITLE NATIONAL GUARD READINESS CENTER		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17180	7. PROJECT NUMBER 85460 300049		8. PROJECT COST (\$000) Approp 16,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						17,106
17180 Readiness Center		m2 (SF)	4,790 (51,560)		2,799	(13,406)
21411 Detached General Purpose Trainin		m2 (SF)	774.53 (8,337)		2,476	(1,918)
44224 Unheated Storage Building		m2 (SF)	58.81 (633)		1,991	(117)
44181 Unheated Encl/Shed-TP Vhcl Strg		m2 (SF)	650.32 (7,000)		1,345	(875)
81160 Backup/Emergency Generator		EA	1 --		110,000	(110)
Total from Continuation page(s)						(680)
SUPPORTING FACILITIES						2,525
Electric Service		LS	--		--	(80)
Water, Sewer, Gas		LS	--		--	(324)
Paving, Walks, Curbs And Gutters		LS	--		--	(1,063)
Storm Drainage		LS	--		--	(150)
Site Imp(513) Demo()		LS	--		--	(513)
Information Systems		LS	--		--	(14)
Antiterrorism Measures		LS	--		--	(196)
Other		LS	--		--	(185)
ESTIMATED CONTRACT COST						19,631
CONTINGENCY (5.00%)						982
SUBTOTAL						20,613
SUPV, INSP & OVERHEAD (3.50%)						721
TOTAL REQUEST						21,334
State Share						5,334
TOTAL FEDERAL REQUEST						16,000
TOTAL FEDERAL REQUEST (ROUNDED)						16,000
INSTALLED EQT-OTHER APPROP						(1,823)
10. Description of Proposed Construction A specially designed National Guard Readiness Center of permanent construction. The National Guard Readiness Center includes the following items that are integral to the facility; Backup/Emergency Generator, Organizational Vehicle Parking (Paved), Controlled Waste Facility and Flammable Materials Facility. Comprehensive Interior design services are requested for this project. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes and as per 42 U.S.C.4154. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas and site improvements. Facilities will be designed to a minimum life of 50 years in accordance with DoDs Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance as per ASA (IE&E) Sustainable Design and Development Policy Update 2017. Access for individuals with disabilities will be provided. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This will meet the one for one disposal requirement with the disposal of 60,972 SQFT. Disposal of 2 buildings at Fort Missoula Field Maintenance Shop 02, MT (Total 1,695 m2/18,242 SF), 2 buildings at Anaconda Readiness Center, MT (Total 834 m2/8,973 SF), 4 buildings at Butte Armed Forces Reserve Center, MT (Total 2,062 m2/22,193 SF), and 1 building at Harlowton Readiness Center, MT (Total 1,074 m2/11,564 SF). Air Conditioning						

1. COMPONENT ARNG		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION Butte Montana				4. PROJECT TITLE NATIONAL GUARD READINESS CENTER		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17180	7. PROJECT NUMBER 85460 300049		8. PROJECT COST (\$000) Approp 16,000	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
PRIMARY FACILITY (CONTINUED)						
85210 Rigid Pavement for MEP		m2 (SY)	2,569 (3,072)		83.72	(215)
14915 Additional ATFP 1% Sustainability/Energy Measures		LS	--		--	(130)
		LS	--		--	(335)
					Total	680
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
(Estimated 601 kW/171 Tons).						
11. REQ: 6,274 m2 ADQT: NONE SUBSTD: NONE						
PROJECT: To construct a 60,530 SQFT National Guard Readiness Center that supports training, administrative, and logistical requirements for the MTARNG. This facility will be built on the State of Montana Military Reservation in Butte, MT. (Current Mission).						
REQUIREMENT: This project will consolidate multiple small units including a Brigade HQ into one facility and close two legacy facilities of the Montana Army National Guard. The units will have a well-equipped facility to provide support to the citizens of South-West Montana. This will be a regionally located modern ARNG Readiness Center to support the mission for the 1889th Regional Support Group (WPT2AA) and Det 2 (Vertical Construction)(WX2YA2).						
This facility is designed to meet DA directed MTOE changes for some of the listed units authorized soldiers, within the transformed force structure of the MT ARNG, and to provide adequate logistical, training and administrative space for this unit to maintain retention and readiness. No other adequate facilities are available to properly support this unit.						
CURRENT SITUATION: This project is critical to the state of Montana due to the current situation of needing to properly house and train multiple units currently stationed at three other locations. The existing facilities in Butte and Anaconda were both constructed in 1961 and are only 29,248 SQFT, less than 50% of authorized space. Specifically not meeting requirement for maintenance training bays, classrooms, administrative space and training device/simulation center space. None of this is to standard at the existing location and the existing site does not support the construction of all the required Readiness Center space and supporting items while still meeting AT/FP requirements.						
The site for this project is in the possession of the state of Montana.						
Currently, the state of Montana has begun the environmental assessment on this project.						
The facility where the current operations are being conducted was constructed in 1961.						

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Butte Montana	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 85460 300049	8. PROJECT COST (\$000) Approp 16,000
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IMPACT IF NOT PROVIDED: (CONTINUED)
 continue to incur high operations and maintenance costs and negatively impact troop readiness and morale.
ADDITIONAL: Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.
PHYSICAL SECURITY: This project has been coordinated with the installation physical security plan, and all physical security measures are included.
ANTITERRORISM/FORCE PROTECTION: This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.
ECONOMIC ANALYSIS: Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.
JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. This facility will be available for use by other components.
 Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988.
 A parametric cost estimate based upon project engineering design was used to develop this budget estimate.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:	
(1) Status:	
(a) Design Start Date.....	NOV 2019
(b) Percent Complete as of January 2021.....	65
(c) Date 35% Designed.....	JUN 2020
(d) Date Design Complete.....	OCT 2021
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be	

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Butte Montana	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 85460 300049	8. PROJECT COST (\$000) Approp 16,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)
documented during the final design.

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	1,193
(b) All Other Design Costs.....	676
(c) Total Design Cost.....	1,869
(d) Contract.....	1,869
(e) In-house.....	0

(4) Construction Contract Award..... OCT 2021

(5) Construction Start..... DEC 2021

(6) Construction Completion..... OCT 2023

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
F F & E	OMNG	Future Request	800
Kitchen Equipment (Type C)	OMNG	Future Request	50
ESS (171R)	OPA	Future Request	54
Info Sys - ISC	OPA	Future Request	269
Info Sys - PROP	OMNG	Future Request	649
		Total	1,823

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1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021
3. INSTALLATION AND LOCATION Dickinson North Dakota		4. AREA CONSTRUCTION COST INDEX 1.12
5. FREQUENCY AND TYPE OF UTILIZATION Administration 5 days/week, with 2-day training assembly 2-3 times/month.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS		
ARNG	Bismarck, ND	100.00 miles Readiness Center 12,948 m2 (139,373 SF) 1988
ARNG	Mott, ND	60.00 miles Readiness Center 1,569 m2 (16,892 SF) 1960
ARNG	Williston, ND	130.00 miles Readiness Center 2,246 m2 (24,178 SF) 1958
7. PROJECTS REQUESTED IN THIS PROGRAM		
<u>CATEGORY</u> <u>CODE</u>	<u>PROJECT TITLE</u> NATIONAL GUARD	<u>SCOPE</u> 4,212 m2 (45,338 SF)
17180	READINESS CENTER	15,500
		<u>COST</u> (\$000)
		<u>DESIGN STATUS</u> <u>START</u> <u>CMPL</u>
		OCT 2019 OCT 2021
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION		
FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.		04 MAR 2020 (Date)
9. LAND ACQUISITION REQUIRED		
None		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> (\$000)
NONE		
DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): 18,500		
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.		
11. PERSONNEL STRENGTH AS OF 30 SEP 2020		
	<u>PERMANENT</u>	<u>GUARD/RESERVE</u>
	<u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u> <u>CIVILIAN</u>	<u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u>
AUTHORIZED	5 0 5 0	81 3 78
ACTUAL	0 0 0 0	81 3 78
12. RESERVE UNIT DATA		
<u>UNIT DESIGNATION</u>	<u>UIC</u>	<u>TPSN</u>
816 MP CO CS	WPPPA	19463KNG47
		<u>MTOE/TDA</u>
		19463KNG47
		<u>STRENGTH</u> <u>AUTHORIZED</u> <u>ACTUAL</u>
		81 81
		81 81
Assigned/Authorized: 100%		
13. MAJOR EQUIPMENT AND AIRCRAFT		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>
WHEELED	22	22
TRAILERS	22	22
TRACKED	0	0
EQUIPMENT > 30 FT	1	1
Fuel Truck	0	0
HET	0	0
TOTALS	45	45

1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021						
3. INSTALLATION AND LOCATION Dickinson North Dakota		4. AREA CONSTRUCTION COST INDEX 1.12						
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES <div style="text-align: right; margin-right: 100px;">(\$000)</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>			A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
A. AIR POLLUTION	0							
B. WATER POLLUTION	0							
C. OCCUPATIONAL SAFETY AND HEALTH	0							

1. COMPONENT ARNG		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION Dickinson North Dakota				4. PROJECT TITLE NATIONAL GUARD READINESS CENTER		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17180	7. PROJECT NUMBER 86704 380058		8. PROJECT COST (\$000) Approp 15,500	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						12,175
17180 Readiness Center		m2 (SF)	3,734 (40,188)		2,971	(11,092)
44263 Unheated Encl/Shed-TP Vhcl Strg		m2 (SF)	478.45 (5,150)		936.46	(448)
81160 Backup/Emergency Generator		EA	1 --		150,000	(150)
85210 Rigid Pavement for MEP		m2 (SY)	1,569 (1,877)		94.48	(148)
87224 Additional ATFP		LS	--		--	(98)
Sustainability/Energy Measures		LS	--		--	(239)
SUPPORTING FACILITIES						2,089
Electric Service		LS	--		--	(100)
Water, Sewer, Gas		LS	--		--	(210)
Paving, Walks, Curbs And Gutters		LS	--		--	(656)
Storm Drainage		LS	--		--	(150)
Site Imp(372) Demo()		LS	--		--	(372)
Information Systems		LS	--		--	(120)
Antiterrorism Measures		LS	--		--	(230)
Other		LS	--		--	(251)
ESTIMATED CONTRACT COST						14,264
CONTINGENCY (5.00%)						713
SUBTOTAL						14,977
SUPV, INSP & OVERHEAD (3.49%)						523
TOTAL REQUEST						15,500
TOTAL FEDERAL REQUEST						15,500
TOTAL FEDERAL REQUEST (ROUNDED)						15,500
INSTALLED EQT-OTHER APPROP						(1,228)
10. Description of Proposed Construction A specially designed National Guard Readiness Center of permanent construction. The National Guard Readiness Center includes a back-up generator that is integral to the facility. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes as per 42 U.S.C. 4154. Comprehensive interior design services requested. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas for privately owned vehicles, and site improvements. Facilities will be designed to a minimum life of 50 years in accordance with DoD's Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope, and integrated building systems performance as per ASA (IE&E). Sustainable Design and Development Policy Update DEC 2017. Access for individuals with disabilities will be provided. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This project will meet the 1 for 1 SQ FT disposal requirement with the disposal of 57,749 SQ FT. Disposal of 1 building at Dickinson Readiness Center, ND (Total 1,639 m2/17,641 SF), 1 building at Mayville Readiness Center, ND (Total 1,539 m2/16,566 SF), 1 building at Mott Readiness Center, ND (Total 1,569 m2/16,892 SF), and 1 building at Mott Field Maintenance Shop, ND (Total 525 m2/5,650 SF). Air Conditioning (Estimated 464 kW/132 Tons).						
11. REQ: 4,212 m2		ADQT: NONE		SUBSTD: NONE		NONE
PROJECT: To construct a 45,338 SQFT Dickinson National Guard Readiness Center that						

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021
3. INSTALLATION AND LOCATION Dickinson North Dakota			4. PROJECT TITLE NATIONAL GUARD READINESS CENTER	
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 86704 380058	8. PROJECT COST (\$000) Approp 15,500	
<u>CURRENT SITUATION: (CONTINUED)</u>				
<p>The leased parcel on which the current facility is located is about 2.5 acres within an urban area and part of a complex shared with municipal government and law enforcement agencies. The site does not allow for building expansion. The site is too small for parking of National Guard owned and employee vehicles. Physical security is an issue because the complex is open to the public and does not have adequate AT/FP setbacks.</p>				
<p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided it will adversely affect the assigned unit's ability to meet readiness, and training objectives. Additionally, the current facility is collocated with the law enforcement center which is heavily used by individuals that are being processed by law enforcement. Furthermore due to inadequate size of the building and maintenance bays, conducting maintenance on equipment is difficult which negatively impacts equipment and unit readiness.</p>				
<p>The current facility lacks Anti-Terrorism standoff distance and other force protection barriers. Vehicles are able to park alongside the building, and civilians have unoccupied access to the common areas. The dual use of this building coupled with the commercial businesses which are major tourist locations of the city creates multiple safety concerns. Not only from the congested parking, but the increased risk due to inability to meet Anti-Terrorism/Force Protection standards.</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 and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.</p>				
<p><u>PHYSICAL SECURITY:</u> This project has been coordinated with the installation physical security plan, and all physical security measures are included.</p>				
<p><u>ANTITERRORISM/FORCE PROTECTION:</u> This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.</p>				
<p><u>ECONOMIC ANALYSIS:</u> Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>				
<p><u>JOINT USE CERTIFICATION:</u> The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. This facility will be available for use by other components.</p>				
<p>Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988.</p>				

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Dickinson North Dakota	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 86704 380058	8. PROJECT COST (\$000) Approp 15,500
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	OCT 2019
(b) Percent Complete as of January 2021.....	65
(c) Date 35% Designed.....	JUN 2020
(d) Date Design Complete.....	OCT 2021
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):

(\$000)

(a) Production of Plans and Specifications.....	859
(b) All Other Design Costs.....	487
(c) Total Design Cost.....	1,346
(d) Contract.....	1,346
(e) In-house.....	0

(4) Construction Contract Award..... MAR 2022

(5) Construction Start..... APR 2022

(6) Construction Completion..... JUN 2024

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1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021					
3. INSTALLATION AND LOCATION Troutville Virginia		4. AREA CONSTRUCTION COST INDEX 1.00					
5. FREQUENCY AND TYPE OF UTILIZATION Administration 5 days/week, with 2-day training assembly 2-3 times/month.							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS							
AR	ROANOKE, VA	15.00 miles Readiness Center 2,350 m2 (25,299 SF) 1957					
ARNG	BEDFORD, VA	25.00 miles Readiness Center 1,590 m2 (17,114 SF) 1957					
ARNG	LEXINGTON, VA	40.00 miles Readiness Center 1,796 m2 (19,335 SF) 1989					
ARNG	LYNCHBURG, VA	53.00 miles Readiness Center 2,850 m2 (30,678 SF) 1983					
ARNG	LYNCHBURG, VA	53.00 miles Maintenance Facility 325 m2 (3,500 SF) 1983					
AR	LYNCHBURG, VA	53.00 miles Readiness Center 1,259 m2 (13,548 SF) 1968					
7. PROJECTS REQUESTED IN THIS PROGRAM							
CATEGORY	<u>PROJECT TITLE</u>	COST <u>DESIGN STATUS</u>					
<u>CODE</u>	NATIONAL GUARD	<u>(\$000)</u> <u>START</u> <u>CMPL</u>					
17180	READINESS CENTER ADDITION 2,262 m2 (24,347 SF)	6,100 AUG 2019 OCT 2021					
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION							
FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.		<u>19 AUG 2020</u> (Date)					
9. LAND ACQUISITION REQUIRED							
None		<u>0</u> (Number of acres)					
10. PROJECTS PLANNED IN NEXT FOUR YEARS							
CATEGORY		COST					
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>(\$000)</u>					
NONE							
DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):		8,391					
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.							
11. PERSONNEL STRENGTH AS OF 30 SEP 2020							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	11	0	11	0	269	14	255
ACTUAL	12	0	11	1	269	14	255
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>	<u>UIC</u>	<u>TPSN</u>	<u>MTOE/TDA</u>	<u>STRENGTH</u>			
				<u>AUTHORIZED</u>	<u>ACTUAL</u>		
CO D (BN INF BN (IBCT))	WPHPD0	07129	07215KNG12	79	79		
(CO CBRN CO (AS) (RECA)	WYDRAA	30302	03413KNG05	149	149		
(BND OPERATING FORCE M)	WV64AA	07529	02740KNG29	41	41		
				269	269		
Assigned/Authorized: 100%							

1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021
3. INSTALLATION AND LOCATION Troutville Virginia		4. AREA CONSTRUCTION COST INDEX 1.00
13. MAJOR EQUIPMENT AND AIRCRAFT		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>
WHEELED	85	85
TRAILERS	69	69
TRACKED	0	0
EQUIPMENT > 30 FT	0	0
Fuel Truck	11	11
HET	0	0
TOTALS	165	165
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES		
	(\$000)	
A. AIR POLLUTION	0	
B. WATER POLLUTION	0	
C. OCCUPATIONAL SAFETY AND HEALTH	0	

1. COMPONENT ARNG		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION Troutville Virginia				4. PROJECT TITLE NATIONAL GUARD READINESS CENTER ADDITION		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17180	7. PROJECT NUMBER 90672 510075		8. PROJECT COST (\$000) Approp 6,100	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						6,680
17180 Readiness Center Addition		m2 (SF)	2,262 (24,347)		2,777	(6,282)
81160 Backup/Emergency Generator		EA	1 --		200,000	(200)
14915 Additional RC ATFP		LS	--		--	(67)
Sustainability/Energy Measures		LS	--		--	(131)
<u>SUPPORTING FACILITIES</u>						803
Electric Service		LS	--		--	(60)
Water, Sewer, Gas		LS	--		--	(180)
Paving, Walks, Curbs And Gutters		LS	--		--	(126)
Storm Drainage		LS	--		--	(100)
Site Imp(200) Demo()		LS	--		--	(200)
Information Systems		LS	--		--	(39)
Antiterrorism Measures		LS	--		--	(31)
Other		LS	--		--	(67)
ESTIMATED CONTRACT COST						7,483
CONTINGENCY (5.00%)						374
SUBTOTAL						7,857
SUPV, INSP & OVERHEAD (3.51%)						276
TOTAL REQUEST						8,133
State Share						2,033
TOTAL FEDERAL REQUEST						6,100
TOTAL FEDERAL REQUEST (ROUNDED)						6,100
INSTALLED EQT-OTHER APPROP						(1,105)
10. Description of Proposed Construction A specially designed National Guard Readiness Center Addition of permanent construction. Comprehensive interior design services are requested. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes and as per 42 U.S.C. 4154. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, and site improvements. Facilities will be designed to a minimum life of 50 years in accordance with DoD's Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance as per ASA(IE&E) Sustainable Design and Development Policy Update Dec 2017. Access for individuals with disabilities will be provided. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This project will comply with the Army 1 SQFT for 1 SQFT disposal policy through the disposal of 28,030 SQFT. Disposal of 1 building at Roanoke Readiness Center, VA (Total 2,604 m2/28,030 SF). Air Conditioning (Estimated 510 kW/145 Tons).						
11. REQ: 2,262 m2		ADQT: 2,328 m2		SUBSTD: NONE		
PROJECT: To construct a 24,347 SQFT National Guard Readiness Center Addition that supports training, administrative, and logistical requirements for the VAARNG. This facility will be built on the State Military Reservation in Troutville, VA. (Current Mission).						

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Troutville Virginia	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER ADDITION
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 90672 510075	8. PROJECT COST (\$000) Approp 6,100
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REQUIREMENT: This facility is designed to meet administrative, logistical and operational requirements for the listed units:

UIC Designation
 WPHPD0 Co D, 1/116th Inf Regt
 WYDRAA 229th Chemical Co
 WV64AA 29th Army Band

This action consolidates units from Clifton Forge, Pulaski and Rocky Mount readiness centers into a single location. This construction brings existing state facilities utilized to support the consolidation to NGB Pam 415-12 standards. The proposed addition will be located at the site of the former Botetourt Correctional Center (BCC) on State Drive in Troutville, VA.

CURRENT SITUATION: This project is critical to the state of Virginia due to the current situation of The Adjutant General, Virginia directing that the Rocky Mount, Pulaski and Clifton Forge Readiness Centers be closed and the VAARNG unit stationed at these locations be stationed at an existing state facility in Troutville, VA as soon as facilities at the new site are available. Priority consideration influencing which sites are closed include maximizing the utilization of existing facilities and locations, reducing or closing locations not meeting assigned strength goals based on recruiting demographics, reducing or closing facilities that do not have the potential to meet the physical requirements of our Soldiers in maintaining readiness, and toward improving mission command by reducing dispersion to the greatest extent possible between higher headquarters and subordinate units.

The site for this project is in the possession of the state of Virginia.

Currently, the state of Virginia has begun the environmental assessment on this project.

The facility where the current operations are being conducted was constructed in 1989.

Site Code	Site UID	Cat Code	FACNO	ISR-I Year	F Rating	Q Rating	C Rating	Local Name
51A60	4461	17180	00001	2019	F1	Q1	C4	Clifton Forge
51B80	6896	17180	00001	2019	F4	Q4	C4	Pulaski
51C25	7049	17180	00001	2019	F2	Q4	C4	Rocky Mount

IMPACT IF NOT PROVIDED: If this project is not provided the VAARNG will be forced to maintain and operate three readiness centers without adequate State or Federal funds. The failure to consolidate VAARNG facilities will place an unsustainable demand on SRM requirements. Failure to provide properly maintained and sustained readiness centers has a negative impact on the OPTEMO of the VAARNG because administrative, logistical and

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Troutville Virginia	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER ADDITION
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 90672 510075	8. PROJECT COST (\$000) Approp 6,100
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IMPACT IF NOT PROVIDED: (CONTINUED)

operations support space is not available to support requirements. Consolidation of these units into existing State facilities allows the VAARNG to leverage available funds to continue to provide facilities to support administrative, logistical and operational requirements of the affected VAARNG units. The consolidation of units and construction of this project supports the VAARNG facility master plan and Readiness Center Transformation Master Plan (RCTMP).

ADDITIONAL: Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.

PHYSICAL SECURITY: This project has been coordinated with the installation physical security plan, and all physical security measures are included.

ANTITERRORISM/FORCE PROTECTION: This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.

ECONOMIC ANALYSIS: Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

JOINT USE CERTIFICATION: The Deputy Assistant Secretary of the Army (Installation and Housing) certifies that this project has been considered for joint use potential. Mission requirements, operational considerations, and location are incompatible with use by other components.

Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:	
(a) Design Start Date.....	AUG 2019
(b) Percent Complete as of January 2021.....	<u>65</u>
(c) Date 35% Designed.....	<u>OCT 2020</u>

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021
3. INSTALLATION AND LOCATION Troutville Virginia			4. PROJECT TITLE NATIONAL GUARD READINESS CENTER ADDITION	
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 90672 510075	8. PROJECT COST (\$000) Approp 6,100	
12. SUPPLEMENTAL DATA (CONTINUED..)				
A. Estimated Design Data: (CONTINUED..)				
(d) Date Design Complete.....			OCT 2021	
(e) Parametric Cost Estimating Used to Develop Costs..			NO	
(f) Type of Design Contract: Design-bid-build				
(g) An energy study and life cycle cost analysis will be documented during the final design.				
(2) Basis:				
(a) Standard or Definitive Design: NO				
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):			(\$000)	
(a) Production of Plans and Specifications.....			446	
(b) All Other Design Costs.....			253	
(c) Total Design Cost.....			699	
(d) Contract.....			438	
(e) In-house.....			261	
(4) Construction Contract Award.....			OCT 2021	
(5) Construction Start.....			DEC 2021	
(6) Construction Completion.....			JUL 2023	
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>	
F F & E	OMNG	Future Request	334	
Kitchen Equipment (Type C)	OMNG	Future Request	50	
ESS (171R)	OPA	Future Request	54	
Info Sys - ISC	OPA	Future Request	257	
Info Sys - PROP	OMNG	Future Request	410	
Total			1,105	

1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE MAY 2021			
3. INSTALLATION AND LOCATION Troutville Virginia			INSNO= 51C10	4. AREA CONSTRUCTION COST INDEX 1.00			
5. FREQUENCY AND TYPE OF UTILIZATION Administration 5 days/week, with 2-day training assembly 2-3 times/month.							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS							
AR	ROANOKE, VA	15.00 miles	Readiness Center	2,350 m2 (25,299 SF) 1957			
ARNG	BEDFORD, VA	25.00 miles	Readiness Center	1,590 m2 (17,114 SF) 1957			
ARNG	LEXINGTON, VA	40.00 miles	Readiness Center	1,796 m2 (19,335 SF) 1989			
ARNG	LYNCHBURG, VA	53.00 miles	Readiness Center	2,850 m2 (30,678 SF) 1983			
ARNG	LYNCHBURG, VA	53.00 miles	Maintenance Facility	325 m2 (3,500 SF) 1983			
AR	LYNCHBURG, VA	53.00 miles	Readiness Center	1,259 m2 (13,548 SF) 1968			
7. PROJECTS REQUESTED IN THIS PROGRAM							
CATEGORY	PROJECT TITLE		COST	DESIGN STATUS			
CODE	COMBINED SUPPORT	SCOPE	(\$000)	START Cmpl			
21419	MAINTENANCE SHOP ADDITION	1,576 m2 (16,966 SF)	6,900	AUG 2019 OCT 2021			
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION							
FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.				19 AUG 2020 (Date)			
9. LAND ACQUISITION REQUIRED							
None				0 (Number of acres)			
10. PROJECTS PLANNED IN NEXT FOUR YEARS							
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)				
NONE							
DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):		1,090					
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.							
11. PERSONNEL STRENGTH AS OF 30 SEP 2020							
	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	45	0	0	45	0	0	0
ACTUAL	36	0	0	36	0	0	0
12. RESERVE UNIT DATA							
UNIT DESIGNATION	UIC	TPSN	MTOE/TDA	STRENGTH			
				AUTHORIZED	ACTUAL		
FMS 10 (EQP VA ARNG FLD MAINT)	W8T410			0	0		
(EQP VA ARNG COMBINED)	W8XQAL			0	0		
				0	0		
				Assigned/Authorized:	0%		

1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021																								
3. INSTALLATION AND LOCATION Troutville Virginia		4. AREA CONSTRUCTION COST INDEX 1.00																								
13. MAJOR EQUIPMENT AND AIRCRAFT																										
<table border="0"> <thead> <tr> <th><u>TYPE</u></th> <th><u>AUTHORIZED</u></th> <th><u>ACTUAL</u></th> </tr> </thead> <tbody> <tr> <td>WHEELED</td> <td>536</td> <td>44</td> </tr> <tr> <td>TRAILERS</td> <td>590</td> <td>35</td> </tr> <tr> <td>TRACKED</td> <td>7</td> <td>1</td> </tr> <tr> <td>EQUIPMENT > 30 FT</td> <td>192</td> <td>7</td> </tr> <tr> <td>Fuel Truck</td> <td>30</td> <td>2</td> </tr> <tr> <td>HET</td> <td>0</td> <td>0</td> </tr> <tr> <td>TOTALS</td> <td>1,355</td> <td>89</td> </tr> </tbody> </table>	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>	WHEELED	536	44	TRAILERS	590	35	TRACKED	7	1	EQUIPMENT > 30 FT	192	7	Fuel Truck	30	2	HET	0	0	TOTALS	1,355	89		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>																								
WHEELED	536	44																								
TRAILERS	590	35																								
TRACKED	7	1																								
EQUIPMENT > 30 FT	192	7																								
Fuel Truck	30	2																								
HET	0	0																								
TOTALS	1,355	89																								
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																										
	(\$000)																									
A. AIR POLLUTION	0																									
B. WATER POLLUTION	0																									
C. OCCUPATIONAL SAFETY AND HEALTH	0																									

1. COMPONENT ARNG		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION Troutville Virginia				4. PROJECT TITLE COMBINED SUPPORT MAINTENANCE SHOP ADDITION		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 21419	7. PROJECT NUMBER 90673 510091		8. PROJECT COST (\$000) Approp 6,900	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						5,401
21419 Maintenance Shop Addition		m2 (SF)	1,576 (16,966)		2,960	(4,666)
85211 Rigid Pavement for MEP		m2 (SY)	6,187 (7,400)		101.66	(629)
Sustainability/Energy Measures		LS	--		--	(106)
<u>SUPPORTING FACILITIES</u>						949
Electric Service		LS	--		--	(41)
Water, Sewer, Gas		LS	--		--	(121)
Paving, Walks, Curbs And Gutters		LS	--		--	(389)
Storm Drainage		LS	--		--	(129)
Site Imp(108) Demo()		LS	--		--	(108)
Information Systems		LS	--		--	(27)
Antiterrorism Measures		LS	--		--	(87)
Loading Dock		LS	--		--	(47)
ESTIMATED CONTRACT COST						6,350
CONTINGENCY (5.00%)						318
SUBTOTAL						6,668
SUPV, INSP & OVERHEAD (3.48%)						232
TOTAL REQUEST						6,900
TOTAL FEDERAL REQUEST						6,900
TOTAL FEDERAL REQUEST (ROUNDED)						6,900
INSTALLED EQT-OTHER APPROP						(1,556)
10. Description of Proposed Construction A specially designed National Guard Combined Support Maintenance Shop of permanent construction. The National Guard Combined Support Maintenance Shop addition includes the following items that are integral to the facility; Organizational Vehicle Parking, Controlled Waste Facility, Flammable Materials Facility, Bulk POL Storage, and Enclosed Heated Storage. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes and as per 42 U.S.C. 4154. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas, and site improvements. Facilities will be designed to a minimum life of 50 years in accordance with DoD's Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Access for individuals with disabilities will be provided. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This project will comply with the Army 1 SQFT for 1 SQFT disposal policy through the disposal of 22,338 SQFT. Disposal of 1 building at Clifton Forge Readiness Center, VA (Total 2,075 m2/22,338 SF). Air Conditioning (Estimated 183 kW/52 Tons).						
11. REQ: 1,576 m2		ADQT: 1,694 m2		SUBSTD: NONE		
PROJECT: To construct a 16,966 SQFT National Guard Combined Support Maintenance Shop addition that supports surface equipment maintenance and repair requirements for the VAARNG. This facility will be built on the State Military Reservation in Troutville, VA.						

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Troutville Virginia	4. PROJECT TITLE COMBINED SUPPORT MAINTENANCE SHOP ADDITION
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 21419	7. PROJECT NUMBER 90673 510091	8. PROJECT COST (\$000) Approp 6,900
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PROJECT: (CONTINUED)
(Current Mission).

REQUIREMENT: This facility is designed to meet Combined Support Maintenance Shop (CSMS) surface equipment maintenance facility requirements for the listed units authorized soldiers:

UIC DESIGNATION

W8XQA1 Combined Support Maintenance Shop

W8T410 Field Maintenance Shop 10

The VAARNG intends to re-purpose the existing Field Maintenance Shop (FMS) (CATCODE 21407) at Roanoke as a Combined Support Maintenance Shop (CSMS) (CATCODE 21419). Staffing for the CSMS will come from the Roanoke FMS and reallocating a portion of the full time manning requirements at the existing CSMS located at Defense Supply Center - Richmond. This action will bring surface equipment sustainment level maintenance support closer to VAARNG units located in the western part of Virginia. Additionally, by reducing full time manning at the existing CSMS at DSC-R the space available at the facility will be more in line with space requirements.

CURRENT SITUATION: This project is critical to the state of Virginia due to the current situation of outdated surface equipment maintenance facilities, lack of required surface equipment maintenance space and the distance between some supported Field Maintenance Shops and the existing Combined Support Maintenance Shop (CSMS). The CSMS maintenance facility was constructed in 1949 and cannot accommodate today's oversized tactical vehicles. The existing CSMS has approximately 39,113 sf of space, meeting only 53% of its space requirement authorized by NGB Pam 415-12. Field Maintenance Shop (FMS) 9, located in Gate City, VA, is approximately 350 miles from the CSMS; from FMS 14 in Cedar Bluff, VA the travel distance is approximately 340 miles; and from FMS 10 in Rocky Mount, VA the travel distance is approximately 175 miles. Because of the time associated with evacuating equipment, this distance has a negative impact on mission capable status of equipment requiring sustainment level maintenance provided by the CSMS as well as the expense and accident exposure associated with transporting equipment between the FMS and CSMS. This project will eliminate the need for that travel by affording a facility on the other side of the State and updating the FMS facilities that are collocated.

The site for this project is in the possession of the state of Virginia.

Currently, the state of Virginia has begun the environmental assessment on this project.

The facility where the current operations are being conducted was constructed in 1949.

Site Code	Site UID	Cat Code	FACNO	ISR-I Year	F Rating	Q Rating	C Rating	Local Name
51C10	191732	21419		2019	F4	Q4	C4	No Facility

1. COMPONENT ARNG		FY 2022 MILITARY CONSTRUCTION PROJECT DATA				2. DATE MAY 2021	
3. INSTALLATION AND LOCATION Troutville Virginia				4. PROJECT TITLE COMBINED SUPPORT MAINTENANCE SHOP ADDITION			
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 21419		7. PROJECT NUMBER 90673 510091		8. PROJECT COST (\$000) Approp 6,900	
<p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided sustainment level maintenance activities will continue to be accomplished in outdated facilities that are not designed to support today's oversized equipment which creates a dangerous work environment. Field Maintenance Shops (FMS) will continue to evacuate equipment over long distances to the existing CSMS which will negatively impact mission capability time and increase accident exposure when equipment is relocated. Evacuation time has a negative impact on OPTEMPO and overall unit readiness. Evacuation of equipment from Southwest Virginia to the current CSMS located in the Richmond, Virginia area increases maintenance costs and equipment Not Mission Capable time. The existing CSMS will continue to be overcrowded and unable to accommodate oversized vehicles, creating safety hazards for mechanics as they try to work on equipment that does not fit in their facility.</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 and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.</p> <p><u>PHYSICAL SECURITY:</u> This project has been coordinated with the installation physical security plan, and all physical security measures are included.</p> <p><u>ANTITERRORISM/FORCE PROTECTION:</u> This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.</p> <p><u>ECONOMIC ANALYSIS:</u> Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p><u>JOINT USE CERTIFICATION:</u> The Deputy Assistant Secretary of the Army (Installation and Housing) certifies that this project has been considered for joint use potential. Mission requirements, operational considerations, and location are incompatible with use by other components.</p> <p>Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988.</p>							

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Troutville Virginia	4. PROJECT TITLE COMBINED SUPPORT MAINTENANCE SHOP ADDITION
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 21419	7. PROJECT NUMBER 90673 510091	8. PROJECT COST (\$000) Approp 6,900
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	AUG 2019
(b) Percent Complete as of January 2021.....	65
(c) Date 35% Designed.....	OCT 2020
(d) Date Design Complete.....	OCT 2021
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	382
(b) All Other Design Costs.....	216
(c) Total Design Cost.....	598
(d) Contract.....	598
(e) In-house.....	0

(4) Construction Contract Award..... OCT 2021

(5) Construction Start..... DEC 2021

(6) Construction Completion..... OCT 2023

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
F F & E	OMNG	Future Request	275
ESS (214L)	OPA	Future Request	991
Info Sys - ISC	OPA	Future Request	90
Info Sys - PROP	OMNG	Future Request	200
		Total	1,556

1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE MAY 2021			
3. INSTALLATION AND LOCATION Barrigada Guam			INSNO= GQ012	4. AREA CONSTRUCTION COST INDEX 2.50			
5. FREQUENCY AND TYPE OF UTILIZATION Administration 5 days/week, with 2-day training assembly 2-3 times/month.							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS							
AR	Barrigada, GM	1.00 miles	Readiness Center	6,283 m2 (67,635 SF) 2003			
ANG	Andersen Air Force B	12.00 miles	Readiness Center	2,360 m2 (25,400 SF) 2004			
USNR	Naval Base, GM	11.00 miles	Readiness Center	929 m2 (10,000 SF) 2005			
USCG	Naval Base, GM	11.00 miles	Readiness Center	1,858 m2 (20,000 SF) 1970			
ARNG	Fort Juan Muna, GM	3.00 miles	Training Center	52,609 m2 (566,280 SF) 1981			
7. PROJECTS REQUESTED IN THIS PROGRAM							
CATEGORY	<u>PROJECT TITLE</u>		COST	<u>DESIGN STATUS</u>			
<u>CODE</u>	NATIONAL GUARD	<u>SCOPE</u>	<u>(\$000)</u>	<u>START</u> <u>CMP</u>			
17180	READINESS CENTER	3,564 m2 (38,361 SF)	34,000	OCT 2020 OCT 2021			
8. STATE GUARD/RESERVE FORCES FACILITIES BOARD RECOMMENDATION							
FACILITIES IDENTIFIED IN ITEM #6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.				19 SEP 2019 (Date)			
9. LAND ACQUISITION REQUIRED							
None				0 (Number of acres)			
10. PROJECTS PLANNED IN NEXT FOUR YEARS							
CATEGORY	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST <u>(\$000)</u>				
NONE							
DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):			0				
A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.							
11. PERSONNEL STRENGTH AS OF 30 SEP 2020							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	9	0	6	3	119	5	114
ACTUAL	9	1	5	3	103	4	99
12. RESERVE UNIT DATA							
<u>UNIT DESIGNATION</u>	<u>UIC</u>	<u>TPSN</u>	<u>MTOE/TDA</u>	<u>STRENGTH</u>			
(CO ENG SPT CO (RECAP))	WY5QAA	20515	05419RNG56	<u>AUTHORIZED</u>	<u>ACTUAL</u>		
				119	103		
				119	103		
Assigned/Authorized: 87%							

1. COMPONENT ARNG	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2021
3. INSTALLATION AND LOCATION Barrigada Guam		4. AREA CONSTRUCTION INSNO= GQ012 COST INDEX 2.50
13. MAJOR EQUIPMENT AND AIRCRAFT		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>
WHEELED	59	59
TRAILERS	25	25
TRACKED	6	6
EQUIPMENT > 30 FT	23	23
Fuel Truck	0	0
HET	0	0
TOTALS	113	113
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES		
	(\$000)	
A. AIR POLLUTION	0	
B. WATER POLLUTION	0	
C. OCCUPATIONAL SAFETY AND HEALTH	0	

1. COMPONENT ARNG		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION Barrigada Guam				4. PROJECT TITLE NATIONAL GUARD READINESS CENTER		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17180	7. PROJECT NUMBER 85407 140052		8. PROJECT COST (\$000) Approp 34,000	
9. COST ESTIMATES						
1.0000 U.S. DOLLAR/US\$	ITEM	UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						23,049
17180 Readiness Center		m2 (SF)	2,896 (31,168)		6,458	(18,701)
44224 Unheated Storage Building		m2 (SF)	461.82 (4,971)		3,660	(1,690)
81160 Backup/Emergency Generator		EA	1 --		150,000	(150)
85210 Rigid Pavement for MEP		m2 (SY)	5,038 (6,025)		263.12	(1,326)
81122 Electric Power, Photovoltaic		EA	1 --		730,000	(730)
Sustainability/Energy Measures		LS	--		--	(452)
SUPPORTING FACILITIES						6,268
Electric Service		LS	--		--	(231)
Water, Sewer, Gas		LS	--		--	(493)
Paving, Walks, Curbs And Gutters		LS	--		--	(2,320)
Storm Drainage		LS	--		--	(404)
Site Imp(1,152) Demo()		LS	--		--	(1,152)
Information Systems		LS	--		--	(203)
Antiterrorism Measures		LS	--		--	(460)
Other		LS	--		--	(1,005)
ESTIMATED CONTRACT COST						29,317
CONTINGENCY (5.00%)						1,466
SUBTOTAL						30,783
SUPV, INSP & OVERHEAD (6.45%)						1,986
DESIGN/BUILD-DESIGN COST (4.00%)						1,231
TOTAL REQUEST						34,000
TOTAL FEDERAL REQUEST						34,000
TOTAL FEDERAL REQUEST (ROUNDED)						34,000
INSTALLED EQT-OTHER APPROP						(2,666)
10. Description of Proposed Construction A specially designed National Guard Readiness Center of permanent construction. The National Guard Readiness Center includes the following items that are integral to the facility; Backup/Emergency Generator, Organizational Vehicle Parking (Paved), Controlled Waste Facility, Flammable Materials Facility, and Electric Power, Photovoltaic. Comprehensive interior design will be included on this project. This facility will be designed to meet Industry Standards as well as all local, State, and Federal building codes and as per 42 U.S. Code 4154. Construction will include all utility services, information systems, fire detection and alarm systems, roads, walks, curbs, gutters, storm drainage, parking areas and site improvements. Facilities will be designed to a minimum life of 50 years in accordance with DoD's Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance as per ASA(IE&E) Sustainable Design and Development Policy Update Dec 2017. Access for individuals with disabilities will be provided. Antiterrorism measures in accordance with the DoD Minimum Antiterrorism for building standards will be provided. This project will not meet the Army 1 SQFT for 1 SQFT disposal policy. A memo requesting for exemption for the one for one will be submitted. This project will only meet the disposal of 4,000 SQFT. Disposal of 3 buildings at Fort Juan Muna, GM (Total 557 m2/6,000 SF). Air Conditioning (Estimated 394 kW/112 Tons).						
11. REQ:	3,564 m2	ADQT:	NONE	SUBSTD:	NONE	NONE

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Barrigada Guam	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 85407 140052	8. PROJECT COST (\$000) Approp 34,000
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PROJECT: To construct a 36,139 SQFT National Guard Readiness Center that supports training, administrative and logistical requirements of the GUARNG. This facility will be built on the Federal Military Reservation in Barrigada, Guam. (Current mission).

REQUIREMENT: Current mission is to provide command and control of engineer platoons that accomplish missions including rapid runway repair (RRR), initial base camp construction, non-explosive area clearing, constructing tactical unmanned aerial vehicle (UAV) airfields, helicopter landing zones (HLZs), and assault landing zones.

The engineer company is stationed at Fort Juan Muna; which presents significant safety concerns for assigned heavy equipment in order to access the primary highway. Operating speeds, sight distance issues and significant grade issues present safety concerns for the equipment entering and exiting horizontal construction engineering company that was once a vertical platoon. The company is currently occupying two 2,065 SQFT Bldgs and one 4,865 SQFT storage facility that cannot utilize SRM funding to meet the requirements of the company without falling into the area of a MILCON project.

Their current facilities at Fort Juan Muna are inundated with mold and other health and safety issues.

CURRENT SITUATION: This project is critical to Guam due to the current situation of safety concerns for assigned heavy equipment in order to access the primary highway. Operating speeds, sight distance issues and significant grade issues present safety concerns for the equipment entering and exiting the highway.

The current facilities at Fort Juan Muna presents health hazards. Because these facilities are old and have been through many disaster, molds and mildew are of primary concerns. Maintaining these facilities using SRM is no longer practical.

Aviation Unit is currently using sections of the CSMS (BLDG 800) and BLDG 700. These buildings are designated for other units, and the space has been taken out of hide to support their mission. Currently Detachment (DET) 2 does not have existing office space, equipment storage, or training locations.

The site for this project is in the possession of the state of Guam.

Currently, Guam has begun the environmental assessment on this project.

There currently is no facility to complete the mission.

<u>Site</u>	<u>Site</u>	<u>Cat</u>	<u>FACNO</u>	<u>ISR-I</u>	<u>F</u>	<u>Q</u>	<u>C</u>	<u>Local</u>
Code	UID	Code		Year	Rating	Rating	Rating	Name
GQ011	5123	44224	00009	2019	F4	Q4	C4	No Facility

1. COMPONENT ARNG		FY 2022 MILITARY CONSTRUCTION PROJECT DATA				2. DATE MAY 2021	
3. INSTALLATION AND LOCATION Barrigada Guam				4. PROJECT TITLE NATIONAL GUARD READINESS CENTER			
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 17180		7. PROJECT NUMBER 85407 140052		8. PROJECT COST (\$000) Approp 34,000	
<u>CURRENT SITUATION: (CONTINUED)</u>							
Code	UID	Code	Year	Rating	Rating	Rating	Name
GQ011	5123	44224	00009	2019	F4	Q4	C4 No Facility
<p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the unit continues to be challenged without an adequate facility and impact their ability to conduct proper training and maintenance of equipment. The facility they currently occupy continues to deteriorate at a rapid pace. There is a dire need for a new facility. If this facility is not provided, the unit's ability to train for its state and local mission continues to degrade. Equipment in Guam deteriorates quickly and without an adequate facility to conduct the maintenance, the units equipment may not meet mission requirements.</p> <p>WP7QD2 is currently using sections of the CSMS (BLDG 800) and BLDG 700. These buildings are designated for other units, and the space has been taken out of hide to support their mission. Currently DET 2 does not have existing office space, equipment storage, or training locations.</p> <p>Other units have given up office, CSMS repair space, motor pool, and parking areas to support the mission of WP7QD2. This impacts their ability to accomplish their missions by limiting maintenance bays, Soldier's training areas, and Company level office space. Readiness will be increased by 1)providing facilities that are intended to support aviation missions, (2) returning facilities that were intended for other units' missions, and (3) not dividing units between buildings degrading mission readiness. This project is invaluable in that it not only increases this unit's readiness, but support multiple other units' readiness at the same time.</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 and will follow the guidance detailed in the Army Sustainable Design and Development Policy complying with applicable laws and executive orders.</p> <p><u>PHYSICAL SECURITY:</u> This project has been coordinated with the installation physical security plan, and all physical security measures are included.</p> <p><u>ANTITERRORISM/FORCE PROTECTION:</u> This project has been coordinated with the installation antiterrorism plan. Risk and threat analyses have been performed in accordance with DA Pam 190-51 and TM 5-853-1, respectively. Protective measures required by regulation and the minimum standards as required by UFC 4-010-01 (Department of Defense Minimum Antiterrorism Standards for Buildings) are needed. These requirements are included in the description of construction and cost estimate.</p> <p><u>ECONOMIC ANALYSIS:</u> Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p><u>JOINT USE CERTIFICATION:</u> The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. This facility will be available for use by other components.</p>							

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Barrigada Guam	4. PROJECT TITLE NATIONAL GUARD READINESS CENTER
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5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 17180	7. PROJECT NUMBER 85407 140052	8. PROJECT COST (\$000) Approp 34,000
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ADDITIONAL: (CONTINUED)
 Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	OCT 2019
(b) Percent Complete as of January 2021.....	35
(c) Date 35% Designed.....	OCT 2020
(d) Date Design Complete.....	OCT 2021
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	0
(b) All Other Design Costs.....	1,004
(c) Total Design Cost.....	1,004
(d) Contract.....	1,004
(e) In-house.....	0

(4) Construction Contract Award..... OCT 2021

(5) Construction Start..... DEC 2021

(6) Construction Completion..... OCT 2023

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1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION Minor Construction Worldwide Various		4. PROJECT TITLE Unspecified Minor Construction			
5. PROGRAM ELEMENT	6. CATEGORY CODE 0	7. PROJECT NUMBER 90716 990022	8. PROJECT COST (\$000) Approp 39,471		
9. COST ESTIMATES					
1.0000 U.S. DOLLAR/US\$	ITEM	UM (M/E)	QUANTITY	UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>					
	00000 Unspecified Minor Construction	LS	--	--	39,471
	Sustainability/Energy Measures	LS	--	--	(39,471)
<u>SUPPORTING FACILITIES</u>					
ESTIMATED CONTRACT COST					39,471
CONTINGENCY (0.00%)					0
SUBTOTAL					39,471
SUPV, INSP & OVERHEAD (0.00%)					0
TOTAL REQUEST					39,471
TOTAL FEDERAL REQUEST					39,471
INSTALLED EQT-OTHER APPROP					(0)
10. Description of Proposed Construction Unspecified Minor Military Construction (UMMC) projects which have a funding cost of \$6,000,000 or less, including construction, alteration, or conversion of permanent or temporary facilities as authorized under 10 USC 18233a(a)(1).					
11. REQ: NONE ADQT: NONE SUBSTD: NONE					
PROJECT: For Unspecified Minor Military Construction (UMMC) projects					
REQUIREMENT: This line item is needed to provide for Unspecified Minor Military Construction (UMMC) Program projects for which the need cannot be reasonably foreseen nor justified in time to be included in this Military Construction, Army National Guard Program.					
CURRENT SITUATION: These unforeseen projects address high priorities such as critical mission requirements, environmental protection, and life, health, or safety threatening conditions. These projects cannot wait until the next budget submission.					
12. SUPPLEMENTAL DATA:					
A. Estimated Design Data:					
(1) Status:					
(a) Design Start Date.....					
(b) Percent Complete as of January 2021.....					0
(c) Date 35% Designed.....					

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Minor Construction Worldwide Various	4. PROJECT TITLE Unspecified Minor Construction
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5. PROGRAM ELEMENT	6. CATEGORY CODE 0	7. PROJECT NUMBER 90716 990022	8. PROJECT COST (\$000) Approp 39,471
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

- (d) Date Design Complete.....
- (e) Parametric Cost Estimating Used to Develop Costs.. NO
- (f) Type of Design Contract: _____

(2) Basis:

- (a) Standard or Definitive Design: NO

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

- (a) Production of Plans and Specifications..... 0
- (b) All Other Design Costs..... 0
- (c) Total Design Cost..... 0
- (d) Contract..... 0
- (e) In-house..... 0

(4) Construction Contract Award..... _____

(5) Construction Start..... _____

(6) Construction Completion..... _____

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>
	NONE		

1. COMPONENT ARNG		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAY 2021	
3. INSTALLATION AND LOCATION Planning and Design Worldwide Various				4. PROJECT TITLE Planning and Design		
5. PROGRAM ELEMENT		6. CATEGORY CODE 0	7. PROJECT NUMBER 90717 990033		8. PROJECT COST (\$000) Approp 22,000	
9. COST ESTIMATES						
1.0000 U.S. DOLLAR/US\$	ITEM	UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						22,000
00000 Planning and Design		LS	--		--	(22,000)
<u>SUPPORTING FACILITIES</u>						
ESTIMATED CONTRACT COST						22,000
CONTINGENCY (0.00%)						0
SUBTOTAL						22,000
SUPV, INSP & OVERHEAD (0.00%)						0
TOTAL REQUEST						22,000
TOTAL FEDERAL REQUEST						22,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction This item provides for: parametric, concept, and final design of major and unspecified minor construction projects; value engineering; and the development of standards and criteria for ARNG facilities						
11. REQ:	NONE	ADQT:	NONE		SUBSTD:	NONE
PROJECT: Planning and design funds.						
REQUIREMENT: These funds are required to provide Planning and Design funds (P&D) for regular Army National Guard Military Construction (MCNG) and Unspecified Minor projects. Included within the design and engineering services is value engineering, and continued development of design criteria and standard designs (conventional functional layouts). This account is dissimilar to any other line item in the Army National Guard's MCNG budget in that it is reflective of an operations expense, versus a defined scope of a single construction project. Funds will be used for Architect-Engineer (A-E) contracts, and administrative support functions. These funds are required for accomplishment of final correction, review, reproduction and advertisement of projects in the FY 2022 program; for advancement to final design of projects in FY 2023 and for initiation of design of projects in FY 2024. The funds request for the annual planning and design requirement includes specially designs based on Army National Guard Criteria and Army regulations.						

1. COMPONENT ARNG	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 2021
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3. INSTALLATION AND LOCATION Planning and Design Worldwide Various	4. PROJECT TITLE Planning and Design
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5. PROGRAM ELEMENT	6. CATEGORY CODE 0	7. PROJECT NUMBER 90717 990033	8. PROJECT COST (\$000) Approp 22,000
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Design Start Date.....
 - (b) Percent Complete as of January 2021..... 0
 - (c) Date 35% Designed.....
 - (d) Date Design Complete.....
 - (e) Parametric Cost Estimating Used to Develop Costs.. NO
 - (f) Type of Design Contract:

- (2) Basis:
 - (a) Standard or Definitive Design: NO

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 0
 - (b) All Other Design Costs..... 0
 - (c) Total Design Cost..... 0
 - (d) Contract..... 0
 - (e) In-house..... 0

- (4) Construction Contract Award.....

- (5) Construction Start.....

- (6) Construction Completion.....

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
	NONE		

