

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2021
BUDGET ESTIMATES
February 2020



MILITARY CONSTRUCTION, ARMY RESERVE

The estimated cost of this report for the Department of Defense is approximately \$40,500 for Fiscal Year 2020. This includes \$200 in expenses and \$40,300 in DoD labor.

TABLE OF CONTENTS

TAB DESCRIPTION	PAGE NUMBER
--- -----	-----
1. TABLE OF CONTENTS.....	ii
2. STATE LIST.....	iii
3. BUDGET APPENDIX EXTRACT.....	vi
BUDGET SUMMARY.....	vi
APPROPRIATION LANGUAGE.....	vii
4. SPECIAL PROGRAM CONSIDERATIONS.....	viii
5. INSIDE THE UNITED STATES.....	1
Florida.....	1
Massachusetts.....	5
North Carolina.....	9
Wisconsin.....	14
6. WORLDWIDE.....	18
Worldwide Various.....	18

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2021
 MILITARY CONSTRUCTION, ARMY RESERVE
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

STATE	INSTALLATION/CITY (COMMAND)	AUTHORIZATION	APPROPRIATION	NEW/ CURRENT	PAGE
----- PROJECT NUMBER	----- PROJECT TITLE	REQUEST	REQUEST	MISSION	-----
-----	-----	-----	-----	-----	-----
Florida	Gainesville (USAR)				1
82197	ECS TEMF/Warehouse	36,000	36,000	C	1
	Subtotal Gainesville USARC	\$ 36,000	36,000		
	* TOTAL MCAR FOR Florida	\$ 36,000	36,000		
Massachusetts	Devens RFTA (USAR)				5
88752	Automated Multipurpose Machine Gun Range	8,700	8,700	C	5
	Subtotal Devens RFTA	\$ 8,700	8,700		
	* TOTAL MCAR FOR Massachusetts	\$ 8,700	8,700		
North Carolina	Asheville (USAR)				9
79351	Army Reserve Center/Land	24,000	24,000	C	9
	Subtotal Asheville	\$ 24,000	24,000		
	* TOTAL MCAR FOR North Carolina	\$ 24,000	24,000		
Wisconsin	Fort McCoy (USAR)				14
81564	Scout Reconnaissance Range	14,600	14,600	C	14
	Subtotal Fort McCoy	\$ 14,600	14,600		
	* TOTAL MCAR FOR Wisconsin	\$ 14,600	14,600		
	** TOTAL INSIDE THE UNITED STATES FOR MCAR	\$ 83,300	83,300		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2021
 MILITARY CONSTRUCTION, ARMY RESERVE
 (DOLLARS ARE IN THOUSANDS)
 WORLDWIDE

STATE	INSTALLATION/CITY (COMMAND)	AUTHORIZATION	NEW/ APPROPRIATION CURRENT	PAGE
----- PROJECT NUMBER	----- PROJECT TITLE	REQUEST	REQUEST MISSION	-----
-----	-----	-----	-----	-----
Worldwide Various	Minor Construction (MINOR)			18
86878	Unspecified Minor Construction	0	3,819	18
		-----	-----	
	Subtotal Minor Construction	\$ 0	3,819	
	Planning and Design (PLANDES)			19
86879	Planning and Design	0	1,218	19
		-----	-----	
	Subtotal Planning and Design	\$ 0	1,218	
	* TOTAL MCAR FOR Worldwide Various	\$ 0	5,037	
	** TOTAL WORLDWIDE FOR MCAR	\$ 0	5,037	
	MILITARY CONSTRUCTION, ARMY RESERVE TOTAL	\$ 83,300	88,337	
	Total Cost of New Mission Projects	(0)	\$ 0	
	Total Cost of Current Mission projects	(4)	\$ 83,300	
	Total Cost of other line items	(2)	\$ 5,037	
	Total Cost of FY 2021 MCAR Projects	(6)	\$ 88,337	

Military Construction, Army Reserve Outyear Project Data
Army Reserve MCAR Outyear Report

Printed on 08-Jan-2020 at 3:56:28

Component	FY	Appropriation	Installation	Location	Project Title	Facility Category	FY 20 Budgeted Amount (\$000)	FY 21 Budgeted Amount (\$000)	Change From Previous Submission (\$000)
USAR	2021	2086	Gainesville	FL	ECS TEMF / Warehouse	214	0	36,000	36,000
USAR	2021	2086	Miramar	FL	Army Reserve Center/AMSA	171	34,000	0	(34,000)
USAR	2021	2086	Devens	MA	Automated Multipurpose Machine Gun Range	178	0	8,700	8,700
USAR	2021	2086	Asheville	NC	Army Reserve Center/Land	171	24,000	24,000	0
USAR	2021	2086	Wright-Patterson AFB	OH	Area Maintenance Support Activity/ VMS	214	10,400	0	(10,400)
USAR	2021	2086	Fort McCoy	WI	Scout Reconnaissance Range	178	0	14,600	14,600
USAR	2021	2086	WW Various P&D	WW	Planning and Design	961	4,000	1,218	(2,782)
USAR	2021	2086	WW Various Minor	WW	Unspecified Minor Construction	962	5,922	3,819	(2,103)
FY21 Total							78,322	88,337	10,015
USAR	2022	2086	Camp Pendleton	CA	Area Maintenance Support Activity	214	8,100	0	(8,100)
USAR	2022	2086	Gainesville	FL	ECS TEMF / Warehouse	214	36,000	0	(36,000)
USAR	2022	2086	Miramar	FL	Army Reserve Center/AMSA	171	0	36,000	36,000
USAR	2022	2086	Devens	MA	Automated Multipurpose Machine Gun Range	178	8,700	0	(8,700)
USAR	2022	2086	Southfield	MI	Area Maintenance Support Activity	214	11,200	11,200	0
USAR	2022	2086	WW Various P&D	WW	Planning and Design	961	7,300	5,516	(1,784)
USAR	2022	2086	WW Various Minor	WW	Unspecified Minor Construction	962	22,551	13,028	(9,523)
FY22 Total							93,851	65,744	(28,107)
USAR	2023	2086	Jacksonville	FL	Army Reserve Center/Land	171	36,000	36,000	0
USAR	2023	2086	Ft Devens	MA	Training Support Center	141	3,300	0	(3,300)
USAR	2023	2086	Ft McCoy	WI	Transient Training BN HQ	141	9,800	0	(9,800)
USAR	2023	2086	Ft Buchanan	PR	Army Reserve Center	171	26,000	26,000	0
USAR	2023	2086	WW Various P&D	WW	Planning and Design	961	7,800	5,917	(1,883)
USAR	2023	2086	WW Various Minor	WW	Unspecified Minor Construction	962	5,057	5,132	75
FY23 Total							87,957	73,049	(14,908)
USAR	2024	2086	Birmingham	AL	Army Reserve Center/Land	171	36,000	36,000	0
USAR	2024	2086	Valdosta	GA	Army Reserve Center/Land	171	19,500	19,500	0
USAR	2024	2086	Ft Devens	MA	Training Support Center	141	0	3,300	3,300
USAR	2024	2086	McGuire-Dix-Lakehurs	NJ	Convoy Live Fire Range	177	0	5,300	5,300
USAR	2024	2086	Wright-Patterson AFB	OH	AR Center Training Building / UHS	171	16,000	0	(16,000)
USAR	2024	2086	Fort McCoy	WI	Scout Reconnaissance Range	178	14,600	0	(14,600)
USAR	2024	2086	Fort McCoy	WI	Transient Training BN HQ	141	0	9,800	9,800
USAR	2024	2086	WW Various P&D	WW	Planning and Design	961	6,400	6,313	(87)
USAR	2024	2086	WW Various Minor	WW	Unspecified Minor Construction	962	2,500	8,700	6,200
FY24 Total							95,000	88,913	(6,087)
USAR	2025	2086	Phoenix	AZ	Area Maintenance Support Activity	214	0	9,200	9,200
USAR	2025	2086	Sheridan	IL	Area Maintenance Support Activity	214	0	17,500	17,500
USAR	2025	2086	New Castle	PA	AMSA / VMS / Land, Ph 1	214	0	20,000	20,000
USAR	2025	2086	Robstown	TX	ECS-7 MEP Parking Expansion	851	0	4,950	4,950
USAR	2025	2086	Yakima	WA	ECS Warehouse, Phase 2	442	0	15,000	15,000
USAR	2025	2086	WW Various P&D	WW	Planning and Design	961	0	10,911	10,911
USAR	2025	2086	WW Various Minor	WW	Unspecified Minor Construction	962	0	16,350	16,350
FY25 Total							0	93,911	93,911
Grand Total							355,130	409,954	54,824

MILITARY CONSTRUCTION, ARMY
RESERVE FY 2021 BUDGET SUMMARY

The military construction program for the Army Reserve shown in the schedules of this title is summarized in the following tabulation:

Fiscal Year	Military Construction, Army Reserve Appropriations (\$000)
2021	88,337
2020	60,928
2019	87,919
2018	159,712

1. Major Construction. The MCAR major construction program is one of the most visible means of improving Army Reserve facility working conditions. This program provides funding for military construction projects in the United States and Territories as authorized in the Military Construction Acts and in this year's request for Authorization and Appropriations. This request funds the Army Reserve's most critical facilities needs within the context of the Army's facility strategy.

2. Minor Construction. Provision is made for construction of unspecified projects that have not been individually authorized by law, but are determined to be urgent requirements that do not exceed the \$6.0 million threshold established in 10 USC 2805.

3. Planning & Design. This provides for necessary planning of military construction projects including design, surveys, studies, and other related activities. In general, design funds requested in fiscal year 2021 will be used to design projects in the Army Reserve Fiscal Years 2022 and 2023 programs. All projects will be planned, programmed, budgeted, designed, built, and reported to meet the requirements of UFC 1-200-02 High Performance and Sustainable Building Requirements, 1 March 2013 with the additional requirements stipulated in the Assistant Secretary of the Army (Installations, Energy, and the Environment) Sustainable Design and Development Policy Update Memo dated 16 December 2013.

MILITARY CONSTRUCTION, ARMY RESERVE

FY 2021 BUDGET ESTIMATE

APPROPRIATION LANGUAGE

For acquisition, construction, expansion, rehabilitation, and conversion of facilities for the training and administration of the Army Reserve as authorized by Chapter 1803 of Title 10, United States Code and Military Construction Authorization Act, \$88,337,000 to remain available until September 30, 2025.

MILITARY CONSTRUCTION, ARMY RESERVE

FY 2021 BUDGET ESTIMATE

SPECIAL PROGRAM CONSIDERATIONS

Pollution Abatement

Military construction projects proposed in this program will be designed to meet environmental standards. Projects proposed primarily for abatement of existing pollution problems have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria. This submission contains no projects specific to pollution abatement.

Energy Conservation

Military construction projects specifically for energy conservation have been developed, reviewed, and selected with prioritization by energy savings per investment cost. Any project proposed primarily for energy conservation includes improvements to existing facilities and utilities systems to upgrade design, eliminate waste, and install energy savings devices. Projects are designed for minimum energy consumption.

Flood Plain Management and Wetlands Protection

Proposed land acquisitions, disposals, and installation construction projects have been planned to allow for the proper management of flood plains and the protection of wetlands by avoiding long and short term adverse degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 11990.

Design for Accessibility of Physically Handicapped Personnel

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

Environmental Protection

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

SPECIAL PROGRAM CONSIDERATIONS

(Continued)

Reserve Potential/Placement of Reserve Component Units in Local Communities

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

Preservation of Historical Sites and Structures

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

Use of Excess Schools and Other Buildings

Considerations were made to utilize available commercial or academic buildings but none were suitable except as identified by specific projects in this request.

Congressionally Directed Projects

No projects were directed by any congressional committee for inclusion in the FY 2021 budget.

Other Congressional – Planning and Design

No considerations are made for directed planning and design projects in the FY 2021 budget.

FEBRUARY 2020

MILITARY CONSTRUCTION
ARMY RESERVE FY 2021 PRESIDENT BUDGET

PROGRAM ASSESSMENT RATING TOOL

In accordance with the President's Management Agenda, Budget and Performance Integration initiative, this program has been assessed using the Program Assessment Rating Tool (PART). Remarks regarding program performance and plans for performance improvement can be located at the Expectmore.gov website.

1. COMPONENT AR	FY 2021 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE February 2020
3. INSTALLATION AND LOCATION Gainesville Florida		4. AREA CONSTRUCTION COST INDEX .84
5. FREQUENCY AND TYPE OF UTILIZATION Reservist - 0 weekends/month 2 nights/week Full-Time Personnel - 5 days/week		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS ARNG Starke, FL 30.00 miles Camp Blanding Joint ARNG Gainesville, FL 3.00 miles ARNG Training Center USAR Gainesville, FL 2.00 miles USAR Training Center		
7. PROJECTS REQUESTED IN THIS PROGRAM		
CATEGORY	COST	<u>DESIGN STATUS</u>
<u>CODE</u> <u>PROJECT TITLE</u>	<u>(\$000)</u>	<u>START</u> <u>CMPL</u>
21418 ECS TEMF/Warehouse	7,120 m2 (76,636 SF)	36,000 MAY 2019 AUG 2020
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.		
		12 FEB 2019 (Date)
9. LAND ACQUISITION REQUIRED Nominal Land Lease		
		100.00 (Number of acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY	SCOPE	COST
<u>CODE</u> <u>PROJECT TITLE</u>		<u>(\$000)</u>
NONE		
DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM): 0		
11. PERSONNEL STRENGTH AS OF 02 OCT 2019		
	<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	68 0 0 68	0 0 0
ACTUAL	68 0 0 68	0 0 0
12. RESERVE UNIT DATA AUTHORIZED		
<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>	
	<u>AUTHORIZED</u> <u>ACTUAL</u>	
ECS 151	68 68	
Totals	68 68	
13. MAJOR EQUIPMENT AND AIRCRAFT		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>
AGGREGATE	1,596	1,596
TOTALS	1,596	1,596
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES		
	(\$000)	
A. AIR POLLUTION	0	
B. WATER POLLUTION	0	
C. OCCUPATIONAL SAFETY AND HEALTH	0	

1. COMPONENT AR		FY 2021 MILITARY CONSTRUCTION PROJECT DATA			2. DATE February 2020	
3. INSTALLATION AND LOCATION Gainesville Florida				4. PROJECT TITLE ECS TEMF / Warehouse		
5. PROGRAM ELEMENT 0532292A		6. CATEGORY CODE 21410	7. PROJECT NUMBER CAR 21-82197		8. PROJECT COST (\$000) Auth 36,000 Approp 36,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						23,118
21410 Modified TEMF, Large - Army, Reg		m2 (SF)	4,245 (45,694)		3,114	(13,217)
44220 ALT Gen Purp (GP) Warehouse, Hi-		m2 (SF)	2,475 (26,642)		1,667	(4,125)
44220 ADD Gen Purp (GP) Warehouse, Hi-		m2 (SF)	399.48 (4,300)		1,066	(426)
85110 Military Equipment Parking		m2 (SY)	135,160 (161,650)		32.08	(4,336)
00000 Cyber Security Measures		LS	--		--	(750)
Sustainability/Energy Measures		LS	--		--	(264)
SUPPORTING FACILITIES						9,319
Electric Service		LS	--		--	(863)
Water, Sewer, Gas		LS	--		--	(1,524)
Paving, Walks, Curbs And Gutters		LS	--		--	(1,112)
Storm Drainage		LS	--		--	(288)
Site Imp(4,531) Demo()		LS	--		--	(4,531)
Information Systems		LS	--		--	(295)
Antiterrorism Measures		LS	--		--	(103)
Other		LS	--		--	(603)
ESTIMATED CONTRACT COST						32,437
CONTINGENCY (5.00%)						1,622
SUBTOTAL						34,059
SUPV, INSP & OVERHEAD (5.70%)						1,941
TOTAL REQUEST						36,000
TOTAL REQUEST (ROUNDED)						36,000
TOTAL RELATED FURNITURE & EQUIP						(4,836)
10. Description of Proposed Construction Construct an Equipment Concentration Site (ECS) consisting of a 45,694 square feet (SF) Tactical Equipment Maintenance Facility (TEMF), alteration of a 26,642 SF Organizational Storage Building, addition of a 4,300 SF Organizational Storage Building, and 161,650 square yard Military Equipment Parking (MEP) (gravel / concrete) all collocated in the vicinity of Gainesville, Florida. Building design(s) will comply with Unified Facilities Criteria, UFC 4-171-05, Army Reserve Facilities. Supporting facilities include land clearing, paving, aprons, fencing, wash rack/platform(s), bi-level equipment loading ramps, general site improvements, and utility connections. Accessibility for the disabled will be provided. Anti Terrorism Force Protection (ATFP) and physical security measures will be incorporated into the design including maximum standoff distances from roads, parking areas and vehicle unloading areas. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Air Conditioning (Estimated 397 kW/113 Tons).						
11. REQ: 7,120 m2		ADQT: NONE		SUBSTD: NONE		
PROJECT: To provide an Equipment Concentration Site (ECS) consisting of a 45,694 SF Tactical Equipment Maintenance Facility (TEMF), alteration of a 26,642 SF Organizational Storage Building, addition of a 4,300 SF Organizational Storage Building, and 161,650 SY of Military Equipment Parking (MEP) (gravel / concrete) in the vicinity of Gainesville,						

1. COMPONENT AR		FY 2021 MILITARY CONSTRUCTION PROJECT DATA			2. DATE February 2020	
3. INSTALLATION AND LOCATION Gainesville Florida				4. PROJECT TITLE ECS TEMF / Warehouse		
5. PROGRAM ELEMENT 0532292A		6. CATEGORY CODE 21410	7. PROJECT NUMBER CAR 21-82197		8. PROJECT COST (\$000) Auth 36,000 Approp 36,000	
<p><u>PROJECT: (CONTINUED)</u> Florida.</p> <p><u>REQUIREMENT:</u> To be located in the vicinity of Gainesville, FL in support of Total Army Training Integration Mission, this project will provide an Equipment Concentration Site (ECS) consisting of a 45,694 SF Tactical Equipment Maintenance Facility (TEMF), alteration of a 26,642 SF Organizational Storage Building, addition of a 4,300 SF Organizational Storage Building, and 161,650 SY of Military Equipment Parking (MEP) (gravel / concrete) for a new North Central Florida ECS. The ECS TEMF will consist of standard 32'x 96' drive thru work bays (comprised of 16'x32' work areas per bay), work bay safety aisle, commo/electronics shop, equipment alcove, tool/parts/storage, flammable/controlled waste storage, fluid equipment alcove, fluid distribution, battery room, classroom/break area/library, shop offices, restrooms/lockers, and mechanical/telecom room. The Hi-Bay GPW consisting of palletized racking systems. Privately Owned Parking (POV), concrete aprons, access road(s), vehicle wash rack/platform(s), bi-level equipment loading ramp, Storm Water Management Area, and a Overhead Bridge Crane(s).</p> <p><u>CURRENT SITUATION:</u> Florida has five Area Maintenance Support Activity (AMSA) facilities but no ECS in the state. The current AMSAs have severely constrained parking, which limits mission effectiveness. Army Reserve units in the state of Florida rely on ECS facilities in other States, (Traveling distances over 600 miles) to draw equipment for training purposes. A North Central Florida ECS / Warehouse in the vicinity of Gainesville, FL would alleviate overcrowding at other ECS's in the Southeast region of the United States such as ECS 17, Fort Polk, LA; ECS 151, Fort Rucker, AL; ECS 43, Fort Benning, GA and ECS 124, Fort Jackson, SC. Current equipment densities at these four ECS's vary from 100-130 percent full. Ideally, by design an ECS should be at 80% density to allow for Army Reserve variances in unit mission development and OPTEMPO exercises.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided units within the state of Florida will continue to spend valuable training time and limited resources drawing equipment from ECSs located in other states which in many instances are located hundreds of miles from home station. This will continue to have a negative impact on training missions and readiness of units served.</p> <p><u>ADDITIONAL:</u> Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. An economic analysis has been prepared and utilized in evaluating this project. This project is the best method to satisfy the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. 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>12. <u>SUPPLEMENTAL DATA:</u></p> <p>A. Estimated Design Data:</p> <p>(1) Status:</p>						

1. COMPONENT AR	FY 2021 MILITARY CONSTRUCTION PROJECT DATA	2. DATE February 2020
--------------------	--	--------------------------

3. INSTALLATION AND LOCATION Gainesville Florida	4. PROJECT TITLE ECS TEMF / Warehouse
--	--

5. PROGRAM ELEMENT 0532292A	6. CATEGORY CODE 21410	7. PROJECT NUMBER CAR 21-82197	8. PROJECT COST (\$000) Auth 36,000 Approp 36,000
--------------------------------	---------------------------	-----------------------------------	---

12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(a) Date Design Started	10 MAY 2019
(b) Percent Complete as of January 2020.....	35
(c) Date 35% Designed.....	21 DEC 2019
(d) Date Design Complete.....	14 AUG 2020
(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 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.....	1,919
(b) All Other Design Costs.....	975
(c) Total Design Cost.....	2,894
(d) Contract.....	2,315
(e) In-house.....	579

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

(5) Construction Start..... APR 2021

(6) Construction Completion..... APR 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>
Warehouse Racks	OMAR	2022	1,639
Furniture	OMAR	2022	1,518
Collateral Equipment	OMAR	2022	1,301
IDS	OPA	2022	20
Info Sys - ISC	OPA	2022	228
Info Sys - PROP	OMAR	2022	130
		Total	4,836

Point of Contact: Army Reserve Program Manager, (703) 806-6780

1. COMPONENT AR	FY 2021 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE February 2020				
3. INSTALLATION AND LOCATION Devens Massachusetts			4. AREA CONSTRUCTION COST INDEX 1.21					
5. FREQUENCY AND TYPE OF UTILIZATION Reservist - 4 weekends/month 5 nights/week Full-Time Personnel - 5 days/week								
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS NONE								
7. PROJECTS REQUESTED IN THIS PROGRAM								
CATEGORY		COST	DESIGN STATUS					
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>(\$000)</u>	<u>START</u>	<u>CMPL</u>				
17833	Automated Multipurpose Ma	4 FP (4 FP)	8,700	MAY 2019 AUG 2020				
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.			08 APR 2019 (Date)					
9. LAND ACQUISITION REQUIRED								
NONE			0 (Number of acres)					
10. PROJECTS PLANNED IN NEXT FOUR YEARS								
CATEGORY		SCOPE	COST					
<u>CODE</u>	<u>PROJECT TITLE</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 09 JUL 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	1,962	401	1,372	189	0	0	0	
ACTUAL	1,962	401	1,372	189	0	0	0	
12. RESERVE UNIT DATA AUTHORIZED								
						STRENGTH		
<u>UNIT DESIGNATION</u>						<u>AUTHORIZED</u>	<u>ACTUAL</u>	
NONE								
13. MAJOR EQUIPMENT AND AIRCRAFT								
<u>TYPE</u>					<u>AUTHORIZED</u>	<u>ACTUAL</u>		
NONE								
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES								
					(\$000)			
A. AIR POLLUTION					0			
B. WATER POLLUTION					0			
C. OCCUPATIONAL SAFETY AND HEALTH					0			

1. COMPONENT AR		FY 2021 MILITARY CONSTRUCTION PROJECT DATA			2. DATE February 2020	
3. INSTALLATION AND LOCATION Devens RFTA Massachusetts				4. PROJECT TITLE Automated Multipurpose Machine Gun Range		
5. PROGRAM ELEMENT 0532292A		6. CATEGORY CODE 17833	7. PROJECT NUMBER CAR 21-88752		8. PROJECT COST (\$000) Auth 8,700 Approp 8,700	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						7,196
17833 Automated Multipurpose Machine G		FP	4 --		1234598	(4,938)
17833 Small Arms ROCA		EA	1 --		167,492	(167)
17971 Control Tower - open observation		EA	1 --		768,412	(768)
75061 Covered Bleacher - Range (Bleach		EA	1 --		169,804	(170)
17122 Ammunition Breakdown Bldg		m2 (SF)	17.19 (185)		8,087	(139)
Total from Continuation page(s)						(1,014)
<u>SUPPORTING FACILITIES</u>						680
Electric Service		LS	--		--	(517)
Site Imp() Demo(40)		LS	--		--	(40)
Information Systems		LS	--		--	(123)
ESTIMATED CONTRACT COST						7,876
CONTINGENCY (5.00%)						394
SUBTOTAL						8,270
SUPV, INSP & OVERHEAD (5.70%)						471
TOTAL REQUEST						8,741
TOTAL REQUEST (ROUNDED)						8,700
TOTAL RELATED FURNITURE & EQUIP						(2,607)
10. Description of Proposed Construction Construct a modified standard design Automated Multipurpose Machine Gun (MPMG) Range at Devens Reserve Forces Training Area (RFTA), Massachusetts. Primary facilities include a 4-lane Light MPMG, range operations control area, control tower, classroom building, operations/storage building, bleacher enclosure, covered mess, ammunition breakdown building, and port-a-let. The 4-lane light MPMG includes 4 center lanes out to 800m with standard center lane targetry minus MITs with the addition of 2 SITs in place of MITs at 100m, 200m and 300m. Supporting facilities include electric service, site improvements, and information systems. Antiterrorism/Force Protection (AT/FP) and physical security measures will be incorporated into the design including maximum standoff distances from roads, parking areas and vehicle unloading areas. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Air Conditioning (Estimated 32 kW/9 Tons).						
11. REQ: 4 FP		ADQT: NONE		SUBSTD: NONE		
PROJECT: Construct a modified standard design Automated Multipurpose Machine Gun (MPMG) Range on Devens RFTA, MA.						
REQUIREMENT: This project will provide a facility to train and test Soldiers on the skills necessary to detect, identify, engage and defeat stationary and moving infantry targets in a tactical array. It will satisfy the training and qualification requirements						

1. COMPONENT AR		FY 2021 MILITARY CONSTRUCTION PROJECT DATA			2. DATE February 2020	
3. INSTALLATION AND LOCATION Devens RFTA Massachusetts				4. PROJECT TITLE Automated Multipurpose Machine Gun Range		
5. PROGRAM ELEMENT 0532292A		6. CATEGORY CODE 17833	7. PROJECT NUMBER CAR 21-88752		8. PROJECT COST (\$000) Auth 8,700 Approp 8,700	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
PRIMARY FACILITY (CONTINUED)						
17139 Covered Mess - Range (Small)		m2 (SF)	74.32 (800)		2,483	(185)
17123 Range Classroom Building		m2 (SF)	74.32 (800)		5,130	(381)
17122 Operations/Storage Bld - Small		m2 (SF)	74.32 (800)		5,881	(437)
Sustainability/Energy Measures		LS	--		--	(11)
					Total	1,014
REQUIREMENT: (CONTINUED)						
for light machine guns. Combat and combat support units require training proficiency in machine gun weapon systems. Army standard ranges with target systems affording doctrinal densities and target types are the minimum necessary to prepare Soldiers for combat. The MPMG will support the training requirements for 5.56mm and 7.62mm weapon systems.						
CURRENT SITUATION: The current training and qualification need is not fully met. Individual weapons training on a limited, nonstandard range results in longer range periods and nonstandard weapons techniques in order to adjust to range physical limitations. Current lanes are not standard width reducing target acquisition opportunities requiring adjustments to engagement scenarios. Target systems are old generation and pneumatic controlled, that do not function during cold weather months or recover as quickly as more modern systems. Target non-responsiveness and downtime defeats training discipline standards. This reduces throughput and requires longer training events. The goal of weapons training is focused on applying steel on target. Non-standard ranges with limited engagement opportunities restrict this goal.						
IMPACT IF NOT PROVIDED: If this project is not provided, Army Reserve and National Guard Soldiers, as well as Army, Marine, Navy, and local police personnel will not be able to train to current standards and requirements. Soldiers will continue to train on sub and nonstandard training facilities.						
ADDITIONAL: Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. A parametric cost estimate based upon project engineering design was used to develop this budget estimate. 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.						
12. SUPPLEMENTAL DATA:						
A. Estimated Design Data:						
(1) Status:						

1. COMPONENT AR	FY 2021 MILITARY CONSTRUCTION PROJECT DATA	2. DATE February 2020
--------------------	--	--------------------------

3. INSTALLATION AND LOCATION Devens RFTA Massachusetts	4. PROJECT TITLE Automated Multipurpose Machine Gun Range
--	---

5. PROGRAM ELEMENT 0532292A	6. CATEGORY CODE 17833	7. PROJECT NUMBER CAR 21-88752	8. PROJECT COST (\$000) Auth 8,700 Approp 8,700
--------------------------------	---------------------------	-----------------------------------	---

12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(a) Date Design Started	30 MAY 2019
(b) Percent Complete as of January 2020.....	35
(c) Date 35% Designed.....	12 DEC 2019
(d) Date Design Complete.....	03 AUG 2020
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-bid-build	

(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.....	522
(b) All Other Design Costs.....	280
(c) Total Design Cost.....	802
(d) Contract.....	642
(e) In-house.....	160

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

(5) Construction Start..... APR 2021

(6) Construction Completion..... APR 2023

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
Target Equipment	OPA	2023	1,550
Classroom Furniture	OMA	2022	12
Operations/ Storage Building	OMA	2022	14
Range Control Tower	OMA	2022	4
UXO Clearance/Removal	OMA	2021	980
Info Sys - ISC	OPA	2022	47
		Total	2,607

Point of Contact: Army Reserve Program Manager, (703) 806-6780

1. COMPONENT AR	FY 2021 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE February 2020		
3. INSTALLATION AND LOCATION Asheville North Carolina				4. AREA CONSTRUCTION COST INDEX .83			
5. FREQUENCY AND TYPE OF UTILIZATION							
Reservist - 3 weekends/month 0 nights/week							
Full-Time Personnel - 5 days/week							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS							
ARNG ASHEVILLE, NC 7.00 miles Center							
NCNG WAYNESVILLE, NC 27.00 miles Center							
USAR BREVARD, NC 30.00 miles Center							
7. PROJECTS REQUESTED IN THIS PROGRAM							
CATEGORY				COST	DESIGN STATUS		
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>		<u>(\$000)</u>	<u>START</u>	<u>CMPL</u>	
17140	Army Reserve Center / Lan	4,553 m2	(49,003 SF)	24,000	MAY 2019	AUG 2020	
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.					10 JUL 2019 (Date)		
9. LAND ACQUISITION REQUIRED							
Fee Simple					20.00 (Number of acres)		
10. PROJECTS PLANNED IN NEXT FOUR YEARS							
CATEGORY				SCOPE	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 09 JUL 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	9	0	7	2	249	17	232
ACTUAL	10	0	6	4	229	24	205
12. RESERVE UNIT DATA AUTHORIZED 92%							
<u>UNIT DESIGNATION</u>						<u>STRENGTH</u>	
						<u>AUTHORIZED</u>	<u>ACTUAL</u>
Det 5 (Co E), 1st Battalion (BCT),						22	24
0 HHD SPT ELEM, AR ACCE						2	3
357 CO ENGINEER SUPPORT C						145	101
382 DET MINIMAL CARE						38	57
ARPAC SAT(NC004)						0	0
812 HQ HR CO (RECAP)						21	22
812 HQ HR CO (RECAP)						21	22
Totals						249	229

1. COMPONENT AR	FY 2021 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE February 2020																		
3. INSTALLATION AND LOCATION Asheville North Carolina		4. AREA CONSTRUCTION COST INDEX .83																		
13. MAJOR EQUIPMENT AND AIRCRAFT <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>TYPE</u></th> <th style="text-align: right;"><u>AUTHORIZED</u></th> <th style="text-align: right;"><u>ACTUAL</u></th> </tr> </thead> <tbody> <tr> <td>TRACKED</td> <td style="text-align: right;">8</td> <td style="text-align: right;">5</td> </tr> <tr> <td>TRAILER</td> <td style="text-align: right;">51</td> <td style="text-align: right;">32</td> </tr> <tr> <td>WHEELED</td> <td style="text-align: right;">61</td> <td style="text-align: right;">42</td> </tr> <tr> <td>EQUIPMENT > 30</td> <td style="text-align: right; border-top: 1px solid black;">17</td> <td style="text-align: right; border-top: 1px solid black;">11</td> </tr> <tr> <td>TOTALS</td> <td style="text-align: right; border-top: 1px solid black;">137</td> <td style="text-align: right; border-top: 1px solid black;">90</td> </tr> </tbody> </table>			<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>	TRACKED	8	5	TRAILER	51	32	WHEELED	61	42	EQUIPMENT > 30	17	11	TOTALS	137	90
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>																		
TRACKED	8	5																		
TRAILER	51	32																		
WHEELED	61	42																		
EQUIPMENT > 30	17	11																		
TOTALS	137	90																		
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES <table style="width: 100%; margin-left: 100px;"> <thead> <tr> <th></th> <th style="text-align: right;">(\$000)</th> </tr> </thead> <tbody> <tr> <td>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> </tbody> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0										
	(\$000)																			
A. AIR POLLUTION	0																			
B. WATER POLLUTION	0																			
C. OCCUPATIONAL SAFETY AND HEALTH	0																			

1. COMPONENT AR		FY 2021 MILITARY CONSTRUCTION PROJECT DATA			2. DATE February 2020	
3. INSTALLATION AND LOCATION Asheville North Carolina				4. PROJECT TITLE Army Reserve Center/Land		
5. PROGRAM ELEMENT 0532292A		6. CATEGORY CODE 17140	7. PROJECT NUMBER CAR 21-79351		8. PROJECT COST (\$000) Auth 24,000 Approp 24,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						16,540
91110 Land Purchase		ha (AC)	8.09 (20)		322,517	(2,609)
17140 Army Reserve Center Building		m2 (SF)	3,201 (34,455)		2,785	(8,914)
21409 Army Reserve Vehicle Maintenance		m2 (SF)	1,196 (12,876)		3,129	(3,743)
44224 Organizational Storage Building		m2 (SF)	155.33 (1,672)		1,336	(208)
00000 Cyber Security Measures		LS	--		--	(750)
Sustainability/Energy Measures		LS	--		--	(316)
SUPPORTING FACILITIES						5,127
Electric Service		LS	--		--	(503)
Water, Sewer, Gas		LS	--		--	(671)
Paving, Walks, Curbs And Gutters		LS	--		--	(755)
Storm Drainage		LS	--		--	(168)
Site Imp(2,550) Demo()		LS	--		--	(2,550)
Information Systems		LS	--		--	(116)
Antiterrorism Measures		LS	--		--	(42)
Wash Rack/Platform - Army Reserve Cent		LS	--		--	(322)
ESTIMATED CONTRACT COST						21,667
CONTINGENCY (5.00%)						1,083
SUBTOTAL						22,750
SUPV, INSP & OVERHEAD (5.70%)						1,297
TOTAL REQUEST						24,047
TOTAL REQUEST (ROUNDED)						24,000
TOTAL RELATED FURNITURE & EQUIP						(2,102)
10. Description of Proposed Construction Land acquisition and construction of a 300-member Army Reserve Center (ARC) in the vicinity of Asheville, NC. Primary facilities include land acquisition (approx. 20 acres) and construction of an ARC Training Building, Vehicle Maintenance Shop (VMS), and Unheated Storage Building. Supporting facilities include land clearing, paving, concrete aprons, vehicle wash rack/platform(s), fencing, general site improvements and utility connections. Accessibility for the disabled will be provided. Antiterrorism/Force Protection (AT/FP) and physical security measures will be incorporated into the design including maximum standoff distances from roads, parking areas and vehicle unloading areas. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Dispose/Demolish 6 buildings at Asheville, NC (Total 3,224 m2/34,698 SF), and 3 buildings at Brevard, NC (Total 892 m2/9,602 SF). Air Conditioning (Estimated 461 kW/131 Tons).						
11. REQ: 4,553 m2		ADQT: NONE		SUBSTD: NONE		
PROJECT: Land acquisition and construction of a 300-member ARC Training Building, VMS, and Unheated storage Building in the vicinity of Asheville, NC. (Current Mission)						
REQUIREMENT: This project will provide approximately 20 buildable acres of land in the vicinity of Asheville, NC and a 300-member training facility with administrative, educational, assembly, storage, arms vault, and physical fitness areas for six Army						

1. COMPONENT AR	FY 2021 MILITARY CONSTRUCTION PROJECT DATA	2. DATE February 2020
--------------------	--	--------------------------

3. INSTALLATION AND LOCATION Asheville North Carolina	4. PROJECT TITLE Army Reserve Center/Land
---	--

5. PROGRAM ELEMENT 0532292A	6. CATEGORY CODE 17140	7. PROJECT NUMBER CAR 21-79351	8. PROJECT COST (\$000) Auth 24,000 Approp 24,000
--------------------------------	---------------------------	-----------------------------------	---

12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(c) Date 35% Designed.....	19 DEC 2019
(d) Date Design Complete.....	11 AUG 2020
(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 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.....	1,440
(b) All Other Design Costs.....	701
(c) Total Design Cost.....	2,141
(d) Contract.....	1,713
(e) In-house.....	428
(4) Construction Contract Award.....	MAR 2021
(5) Construction Start.....	APR 2021
(6) Construction Completion.....	APR 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>
Furniture	OMAR	2022	937
Collateral Equipment	OMAR	2022	803
IDS	OPA	2022	20
Info Sys - ISC	OPA	2022	317
Info Sys - PROP	OMAR	2022	25
		Total	2,102

Point of Contact: Army Reserve Program Manager, (703) 806-6780

1. COMPONENT AR		FY 2021 MILITARY CONSTRUCTION PROJECT DATA			2. DATE February 2020	
3. INSTALLATION AND LOCATION Fort McCoy Wisconsin				4. PROJECT TITLE Scout Reconnaissance Range		
5. PROGRAM ELEMENT 0532292A		6. CATEGORY CODE 17858	7. PROJECT NUMBER CAR 21-81564		8. PROJECT COST (\$000) Auth 14,600 Approp 14,600	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						12,588
17858 Scout Reconnaissance Range		LN	1 --		12168737	(12,169)
17858 Mounted Range Operations and Con		EA	1 --		19,729	(20)
17971 Existing Control Tower -Non-Inst		EA	1 --		12,664	(13)
17123 Existing After Action Review (AA		EA	1 --		12,664	(13)
17139 Existing Covered Mess		EA	1 --		11,660	(12)
Total from Continuation page(s)						(361)
SUPPORTING FACILITIES						567
Electric Service		LS	--		--	(63)
Water, Sewer, Gas		LS	--		--	(267)
Site Imp() Demo(175)		LS	--		--	(175)
Information Systems		LS	--		--	(62)
ESTIMATED CONTRACT COST						13,155
CONTINGENCY (5.00%)						658
SUBTOTAL						13,813
SUPV, INSP & OVERHEAD (5.70%)						787
TOTAL REQUEST						14,600
TOTAL REQUEST (ROUNDED)						14,600
TOTAL RELATED FURNITURE & EQUIP						(5,754)
10. Description of Proposed Construction Construct a standard Scout Reconnaissance Range at Fort McCoy, WI. Primary facilities include a standard Scout Reconnaissance Range, range operations control area, wet latrine, existing control tower - to be retrofitted to accept downrange data from the new Scout Reconnaissance Range, existing After Action Review (AAR) building - small - to be retrofitted to accept downrange data from the new Scout Reconnaissance Range, existing bleacher enclosure to be retrofitted with lightning protection, existing covered mess to be retrofitted with lightning protection, and (1) existing ammunition loading dock to be retrofitted with covers and lightning protection. All new facilities will meet Fort McCoy's heating requirements. Supporting facilities include electric service, water service, sanitary sewer, gas, site improvements, and information systems. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope, and integrated building systems performance. Air Conditioning (Estimated 18 kW/5 Tons).						
11. REQ: 1 LN		ADQT: NONE		SUBSTD: NONE		
PROJECT: Construct a standard Scout Reconnaissance Range. (Current Mission)						
REQUIREMENT: This range complex is designed to train and test scout reconnaissance crews and sections the skills necessary to detect, identify, engage, and defeat stationary and moving infantry and armor targets in a tactical array. In addition to the vehicle qualification course, there are four machine gun qualification lanes. These lanes						

1. COMPONENT AR	FY 2021 MILITARY CONSTRUCTION PROJECT DATA	2. DATE February 2020
--------------------	--	--------------------------

3. INSTALLATION AND LOCATION Fort McCoy Wisconsin	4. PROJECT TITLE Scout Reconnaissance Range
---	--

5. PROGRAM ELEMENT 0532292A	6. CATEGORY CODE 17858	7. PROJECT NUMBER CAR 21-81564	8. PROJECT COST (\$000) Auth 14,600 Approp 14,600
--------------------------------	---------------------------	-----------------------------------	---

12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

- (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: YES
- (b) Where Design Was Most Recently Used:
Fort Carson

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

(a) Production of Plans and Specifications.....	876
(b) All Other Design Costs.....	445
(c) Total Design Cost.....	1,321
(d) Contract.....	1,057
(e) In-house.....	264

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

(5) Construction Start..... APR 2021

(6) Construction Completion..... APR 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>
UXO Removal	OMA	2021	2,000
Targetry	OPA	2022	3,700
Standard Furniture - Ops/ Stor	OMA	2022	18
Info Sys - ISC	OPA	2022	36
		Total	5,754

Point of Contact: Army Reserve Program Manager, (703) 806-6780

1. COMPONENT AR		FY 2021 MILITARY CONSTRUCTION PROJECT DATA			2. DATE February 2020	
3. INSTALLATION AND LOCATION Minor Construction Worldwide Various				4. PROJECT TITLE Unspecified Minor Construction		
5. PROGRAM ELEMENT 0532292A		6. CATEGORY CODE 96200	7. PROJECT NUMBER CAR 21-86878		8. PROJECT COST (\$000) Approp 3,819	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u> 96200 Minor Construction Facilities		LS	--		--	3,819 (3,819)
<u>SUPPORTING FACILITIES</u>						
ESTIMATED CONTRACT COST						3,819
CONTINGENCY (0.00%)						0
SUBTOTAL						3,819
SUPV, INSP & OVERHEAD (.00%)						0
TOTAL REQUEST						3,819
TOTAL REQUEST (ROUNDED)						3,819
TOTAL RELATED FURNITURE & EQUIP						(1,835)
10. Description of Proposed Construction Unspecified minor construction 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		NONE
<u>REQUIREMENT:</u> This line item is needed to provide for Unspecified Minor Military Construction Program projects for which the need cannot be reasonably foreseen nor justified in time to be included in this Military Construction, Army Reserve Program. 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.						

1. COMPONENT AR		FY 2021 MILITARY CONSTRUCTION PROJECT DATA			2. DATE February 2020	
3. INSTALLATION AND LOCATION Planning and Design Worldwide Various				4. PROJECT TITLE Planning and Design		
5. PROGRAM ELEMENT 0532292A		6. CATEGORY CODE 96100	7. PROJECT NUMBER CAR 21-86879		8. PROJECT COST (\$000) Approp 1,218	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						1,218
96100 Planning and Design		LS	--		--	(1,218)
SUPPORTING FACILITIES						
ESTIMATED CONTRACT COST						1,218
CONTINGENCY (0.00%)						0
SUBTOTAL						1,218
SUPV, INSP & OVERHEAD (.00%)						0
TOTAL REQUEST						1,218
TOTAL REQUEST (ROUNDED)						1,218
TOTAL RELATED FURNITURE & EQUIP						(0)
10. Description of Proposed Construction This item provides for parametric, concept, and final design of major and unspecified minor military construction projects; value engineering; and the development of standards and criteria for Army Reserve projects.						
11. REQ: NONE		ADQT: NONE		SUBSTD: NONE		NONE
REQUIREMENT: This funding is required to provide design and engineering services for Military Construction, Army Reserve (MCAR), and Unspecified Minor projects, including value engineering, and continued development of design criteria and standard (conventional) functional layouts. Funds will be used by the US Army Corps of Engineers (USACE) districts for in-house designs, Architect-Engineer (A-E) contractors, and administrative support functions for projects in FY 22 and FY 23.						