

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2020
BUDGET ESTIMATES
March 2019



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.

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2020
 MILITARY CONSTRUCTION, ARMY RESERVE
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

STATE	PROJECT	INSTALLATION/CITY (COMMAND)	AUTHORIZATION	APPROPRIATION	NEW/ CURRENT	PAGE
-----	NUMBER	PROJECT TITLE	REQUEST	REQUEST	MISSION	-----
-----	-----	-----	-----	-----	-----	-----
Delaware		Newark (USAR)				1
	86823	Army Reserve Center	21,000	21,000	C	1
		Subtotal Newark	\$ 21,000	21,000		
		* TOTAL MCAR FOR Delaware	\$ 21,000	21,000		
Wisconsin		Fort McCoy (USAR)				6
	81802	Transient Training Barracks	25,000	25,000	C	6
		Subtotal Fort McCoy	\$ 25,000	25,000		
		* TOTAL MCAR FOR Wisconsin	\$ 25,000	25,000		
		** TOTAL INSIDE THE UNITED STATES FOR MCAR	\$ 46,000	46,000		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2020
 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)			11
85699	Unspecified Minor Construction	0	8,928	11
		-----	-----	
	Subtotal Minor Construction	\$ 0	8,928	
	Planning and Design (PLANDES)			12
85700	Planning and Design	0	6,000	12
		-----	-----	
	Subtotal Planning and Design	\$ 0	6,000	
	* TOTAL MCAR FOR Worldwide Various	\$ 0	14,928	
	** TOTAL WORLDWIDE FOR MCAR	\$ 0	14,928	
	MILITARY CONSTRUCTION, ARMY RESERVE TOTAL	\$ 46,000	60,928	
	Total Cost of New Mission Projects	(0)	\$ 0	
	Total Cost of Current Mission projects	(2)	\$ 46,000	
	Total Cost of other line items	(2)	\$ 14,928	
	Total Cost of FY 2020 MCAR Projects	(4)	\$ 60,928	

Military Construction, Army Reserve Outyear Project Data
 PresBud 2010 Military Construction Outyear Project

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Component	FY	Appropriation	Installation	Location	Project Title	Facility Category	FY 19 Budgeted Amount (\$000)	FY 20 Budgeted Amount (\$000)	Change From Previous Submission (\$000)
USAR	2020	2086	Newark	DE	Army Reserve Center	171	19,500	21,000	1,500
USAR	2020	2086	Lewis-McChord	WA	Army Reserve Center	171	30,000	0	(30,000)
USAR	2020	2086	Fort McCoy	WI	Transient Training Barracks	721	0	25,000	25,000
USAR	2020	2086	WW Various P&D	WW	Planning and Design	961	6,000	6,000	0
USAR	2020	2086	WW Various Minor	WW	Unspecified Minor Construction	962	5,428	8,928	3,500
FY20 Total							60,928	60,928	0
USAR	2021	2086	Miramar	FL	Army Reserve Center/Land	171	34,000	34,000	0
USAR	2021	2086	Asheville	NC	Army Reserve Center/Land	171	18,000	24,000	6,000
USAR	2021	2086	Wright-Patterson AFB	OH	Area Maintenance Support Activity/ VMS	214	9,100	10,400	1,300
USAR	2021	2086	WW Various P&D	WW	Planning and Design	961	8,000	4,000	(4,000)
USAR	2021	2086	WW Various Minor	WW	Unspecified Minor Construction	962	9,222	5,922	(3,300)
FY21 Total							78,322	78,322	0
USAR	2022	2086	Camp Pendleton	CA	Area Maintenance Support Activity	214	0	8,100	8,100
USAR	2022	2086	San Diego	CA	Army Reserve Center	171	22,000	0	(22,000)
USAR	2022	2086	Gainesville	FL	ECS TEMF/Warehouse	214	31,000	36,000	5,000
USAR	2022	2086	Devens	MA	Automated Multipurpose Machine Gun Range	178	8,700	8,700	0
USAR	2022	2086	Southfield	MI	Area Maintenance Support Activity	214	0	11,200	11,200
USAR	2022	2086	Yakima	WA	ECS Modified TEMF	214	19,000	0	(19,000)
USAR	2022	2086	WW Various P&D	WW	Planning and Design	961	7,300	7,300	0
USAR	2022	2086	WW Various Minor	WW	Unspecified Minor Construction	962	5,851	22,551	16,700
FY22 Total							93,851	93,851	0
USAR	2023	2086	Camp Pendleton	CA	Area Maintenance Support Activity	214	5,000	0	(5,000)
USAR	2023	2086	Jacksonville	FL	Army Reserve Center/Land	171	36,000	36,000	0
USAR	2023	2086	Devens	MA	Training Support Center	141	3,300	3,300	0
USAR	2023	2086	Fort McCoy	WI	Transient Training BN HQ	141	9,800	9,800	0
USAR	2023	2086	Ft Buchanan	PR	Army Reserve Center	171	26,000	0	(26,000)
USAR	2023	2086	Ft Buchanan	PR	Army Reserve Center	171	0	26,000	26,000
USAR	2023	2086	WW Various P&D	WW	Planning and Design	961	7,800	7,800	0
USAR	2023	2086	WW Various Minor	WW	Unspecified Minor Construction	962	57	5,057	5,000
FY23 Total							87,957	87,957	0
USAR	2024	2086	Birmingham	AL	Army Reserve Center/Land	171	0	36,000	36,000
USAR	2024	2086	Tifton	GA	Army Reserve Center/Land	171	0	19,500	19,500
USAR	2024	2086	Wright-Patterson AFB	OH	AR Center Training Building/ UHS	171	0	16,000	16,000
USAR	2024	2086	Fort McCoy	WI	Scout/RECE Range Complex	178	0	14,600	14,600
USAR	2024	2086	WW Various P&D	WW	Planning and Design	961	0	6,400	6,400
USAR	2024	2086	WW Various Minor	WW	Unspecified Minor Construction	962	0	2,500	2,500
FY24 Total							0	95,000	95,000
Grand Total							321,058	416,058	95,000

MILITARY CONSTRUCTION, ARMY RESERVE
FY 2020 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 (\$)
2020	60,928,000
2019	87,919,000
2018	149,712,000
2017	108,230,000

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 2020 will be used to design projects in the Army Reserve Fiscal Years 2021 and 2022 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 2020 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, \$60,928,000 to remain available until September 30, 2024.

MILITARY CONSTRUCTION, ARMY RESERVE

FY 2020 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 2020 budget.

Other Congressional – Planning and Design

No considerations are made for directed planning and design projects in the FY 2020 budget.

MARCH 2019

MILITARY CONSTRUCTION
ARMY RESERVE FY 2020 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 2020 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAR 2019
3. INSTALLATION AND LOCATION Newark Delaware		4. AREA CONSTRUCTION COST INDEX .99
5. FREQUENCY AND TYPE OF UTILIZATION Reservist - 3 weekends/month 1 nights/week Full-Time Personnel - 5 days/week		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS DEARNG New Castle, DE 6.05 miles Readiness Center MDARNG Elkton, MD 7.15 miles Readiness Center DEARNG Wilmington, DE 14.80 miles Readiness 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>C MPL</u>
17140 Army Reserve Center	4,290 m2 (46,182 SF)	21,000 SEP 2018 SEP 2019
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.		
		23 APR 2018 (Date)
9. LAND ACQUISITION REQUIRED Project will utilize the existing Newark, DE AFRC site		
		0 (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 23 AUG 2018		
	<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	13 0 11 2	337 15 322
ACTUAL	15 0 13 2	290 12 278

1. COMPONENT AR		FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAR 2019	
3. INSTALLATION AND LOCATION Newark Delaware				4. PROJECT TITLE Army Reserve Center		
5. PROGRAM ELEMENT 0532292A		6. CATEGORY CODE 17140	7. PROJECT NUMBER CAR 20-86823		8. PROJECT COST (\$000) Auth 21,000 Approp 21,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						14,207
17140 Training Bldg- Army Reserve (Arm		m2 (SF)	3,021 (32,516)		3,277	(9,900)
21409 Vehicle Maintenance Shop		m2 (SF)	993.23 (10,691)		3,722	(3,697)
44224 Organization Storage Bldg		m2 (SF)	278.71 (3,000)		1,213	(338)
Sustainability/Energy Measures		LS	--		--	(272)
SUPPORTING FACILITIES						4,715
Electric Service		LS	--		--	(533)
Water, Sewer, Gas		LS	--		--	(710)
Paving, Walks, Curbs And Gutters		LS	--		--	(1,084)
Storm Drainage		LS	--		--	(178)
Site Imp(1,662) Demo()		LS	--		--	(1,662)
Information Systems		LS	--		--	(313)
Antiterrorism Measures		LS	--		--	(47)
Wash Rack/Platform - Army Reserve Cent		LS	--		--	(188)
ESTIMATED CONTRACT COST						18,922
CONTINGENCY (5.00%)						946
SUBTOTAL						19,868
SUPV, INSP & OVERHEAD (5.70%)						1,132
TOTAL REQUEST						21,000
TOTAL REQUEST (ROUNDED)						21,000
TOTAL RELATED FURNITURE & EQUIP						(2,235)
10. Description of Proposed Construction Construct a 300-member Army Reserve Center (ARC) on the existing Newark, DE Armed Forces Reserve Center (AFRC) property. Primary facilities include construction of an ARC building, collocated Branch Maintenance Activity (BMA)/ Vehicle Maintenance Shop (VMS), and organizational storage building. Building(s) will be of permanent construction with reinforced concrete foundations; concrete floor slabs; reinforced concrete or masonry walls; low-slope or sloped roof; Heating, Ventilation and Air Conditioning (HVAC); and plumbing, mechanical, security and electrical systems. 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. 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 2 buildings at Dover, DE (Total 1,728 m2/18,603 SF), and 3 buildings at Lewes, DE (Total 1,958 m2/21,072 SF). Air Conditioning (Estimated 485 kW/138 Tons).						
11. REQ: 4,293 m2		ADQT: NONE		SUBSTD: 3,686 m2		
PROJECT: Construct a 300-member ARC Training Building, collocated BMA/VMS, and organizational storage building in the vicinity of Newark, DE on the existing Newark AFRC						

1. COMPONENT AR		FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAR 2019	
3. INSTALLATION AND LOCATION Newark Delaware				4. PROJECT TITLE Army Reserve Center		
5. PROGRAM ELEMENT 0532292A		6. CATEGORY CODE 17140	7. PROJECT NUMBER CAR 20-86823		8. PROJECT COST (\$000) Auth 21,000 Approp 21,000	
<u>PROJECT: (CONTINUED)</u> property. (Current Mission) <u>REQUIREMENT:</u> To be located on the existing Newark, DE AFRC site, this project will provide a 300-member training facility consisting of administrative, educational, assembly, kitchen, storage and arms vault space for ten Army Reserve units currently assigned to facilities in Lewes and Dover and Army Reserve units currently assigned to the Newark AFRC. Weapons simulator, SIPRNet and physical fitness areas are already provided for in the existing AFRC. The maintenance shop will be constructed to the modified Tactical Equipment Maintenance Facility (TEMF) standard design which will provide standard size 32'X96' drive-thru work bay(s) (comprised of a 16'x32' work area per bay), tool/parts storage, flammable/controlled waste storage, battery room, fluid distribution, work bay safety aisle, equipment alcove, restrooms, SATS trailer canopy, maintenance administrative support, concrete aprons, and vehicle wash rack/platform(s). The project will also provide for unit storage and adequate parking space for military and privately-owned vehicles. Two existing ARCs, located in Dover (18,603 SF) and Lewes (21,072 SF), DE will be considered excess and disposed of through normal procedures upon project completion. <u>CURRENT SITUATION:</u> Currently Army Reserve units are assigned to the Cape Henlopen and Fleming-Godwin USARCs. The Cape Henlopen USARC is located on 5.2 acres in Lewes, DE. The training building was constructed in 1959 and the VMS/AMSA in 1983. The training building is over-utilized at 128 percent and rated ISR black/Q4, however unfortunately due to the constrained site there is no room for future expansion and no adjacent properties are available for purchase. The Fleming-Godwin USARC is located on four acres in Dover, DE. Both the training building and VMS were constructed in 1958 and each is extremely over-utilized at 236 percent and 159 percent. The training building is rated ISR red/Q3 and the VMS is rated ISR black/Q4, however due to the constrained site there is no room for future expansion and adjacent properties are unavailable for purchase. Neither USARC is compliant with antiterrorism force protection setback distances from adjacent roads and parking. The Cape Henlopen USARC and Fleming-Godwin USARC will be properly disposed of upon project completion. <u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the units will be forced to operate in facilities not properly configured to allow the most effective training to complete mission requirements. This will continue to have a negative impact on unit readiness and retention objectives. Units in Dover and Lewes will not be able to move into the I-95 corridor, which has access to a larger pool of potential recruits. This will have a negative effect on the ability of the units to recruit and retain Soldiers. <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. 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						

1. COMPONENT AR	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAR 2019
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3. INSTALLATION AND LOCATION Newark Delaware	4. PROJECT TITLE Army Reserve Center
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5. PROGRAM ELEMENT 0532292A	6. CATEGORY CODE 17140	7. PROJECT NUMBER CAR 20-86823	8. PROJECT COST (\$000) Auth 21,000 Approp 21,000
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ADDITIONAL: (CONTINUED)
in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started	SEP 2018
(b) Percent Complete as of January 2019.....	35
(c) Date 35% Designed.....	JAN 2019
(d) Date Design Complete.....	SEP 2019
(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.....	1,170
(b) All Other Design Costs.....	606
(c) Total Design Cost.....	1,776
(d) Contract.....	1,421
(e) In-house.....	355

(4) Construction Contract Award..... APR 2020

(5) Construction Start..... APR 2020

(6) Construction Completion..... APR 2022

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	2021	1,046
Collateral Equipment	OMAR	2021	897
IDS	OPA	2021	20
Info Sys - ISC	OPA	2021	272
		Total	2,235

Point of Contact: Army Reserve Project Officer, (703) 806-6780

1. COMPONENT AR		FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAR 2019	
3. INSTALLATION AND LOCATION Fort McCoy Wisconsin				4. PROJECT TITLE Transient Training Barracks		
5. PROGRAM ELEMENT 0532292A		6. CATEGORY CODE 72114	7. PROJECT NUMBER CAR 20-81802		8. PROJECT COST (\$000) Auth 25,000 Approp 25,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST(\$000)	
<u>PRIMARY FACILITY</u>					17,716	
72114 ORTC Transient Training Barracks		m2 (SF)	6,039 (65,000)	2,881	(17,401)	
Sustainability/Energy Measures		LS	--	--	(315)	
<u>SUPPORTING FACILITIES</u>					4,810	
Electric Service		LS	--	--	(111)	
Water, Sewer, Gas		LS	--	--	(166)	
Paving, Walks, Curbs And Gutters		LS	--	--	(376)	
Storm Drainage		LS	--	--	(188)	
Site Imp(3,023) Demo(593)		LS	--	--	(3,616)	
Information Systems		LS	--	--	(353)	
ESTIMATED CONTRACT COST					22,526	
CONTINGENCY (5.00%)					1,126	
SUBTOTAL					23,652	
SUPV, INSP & OVERHEAD (5.70%)					1,348	
TOTAL REQUEST					25,000	
TOTAL REQUEST (ROUNDED)					25,000	
TOTAL RELATED FURNITURE & EQUIP					(4,483)	
10. Description of Proposed Construction Construct a 400-PN open bay, Transient Training Enlisted Barracks. Barracks floorplan will be based on the standard design for an Operational Readiness Training Complex, however will be adapted to match a standardized barracks floorplan (approved by the Army Barracks Center of Standardization). The Fort McCoy standard design barracks incorporates the contingency for lockable, fully functional modular bays. Each modular bay will include open bay barracks area, showers, bathrooms, and laundry capabilities. These modular bays will maximize the number of usable beds within the facility and accommodate the fluctuating, non-standardized numbers of transient Soldiers by providing male/female separation and unit integrity. The facility will be deactivated and/or taken off-line during the winter months when necessary. When Fort McCoy is not stood-up as a mobilization platform, its primary mission is to support the seasonally driven requirement(s) of transient training. Deactivation of barracks buildings during the winter months conserves energy and saves utility dollars. Project will include information systems, fire protection and alarm systems, video surveillance system installation, and Energy Monitoring Control Systems (EMCS) connection. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by self-contained system. Comprehensive building and furnishings related interior design services are required. Accessibility for the disabled will be provided. Antiterrorism force protection and physical security measures will be incorporated into the design including maximum standoff distances from roads, parking areas and vehicle unloading areas.						

1. COMPONENT AR		FY 2020 MILITARY CONSTRUCTION PROJECT DATA		2. DATE MAR 2019	
3. INSTALLATION AND LOCATION Fort McCoy Wisconsin			4. PROJECT TITLE Transient Training Barracks		
5. PROGRAM ELEMENT 0532292A		6. CATEGORY CODE 72114	7. PROJECT NUMBER CAR 20-81802	8. PROJECT COST (\$000) Auth 25,000 Approp 25,000	
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)					
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 13 buildings at Fort McCoy, WI (Total 6,158 m2/66,282 SF). Air Conditioning (Estimated 703 kW/200 Tons).					
11. REQ: 400 PN ADQT: NONE SUBSTD: 66,282 PN					
PROJECT: Construct a 400-PN open bay, Transient Training Enlisted Barracks based on the ORTC concept. (Current Mission)					
REQUIREMENT: This project will provide a permanently constructed barracks building to house 400 Soldiers during annual training and mobilization. Barracks floorplan will be based on the standard design for an Operational Readiness Training Complex, however will be adapted to match a standardized barracks floorplan (approved by the Army Barracks Center of Standardization, USACE). The Fort McCoy standard design barracks incorporates the contingency for lockable, fully functional modular bays. Each modular bay will include open bay barracks area, showers, bathrooms, and laundry capabilities. These modular bays will maximize the number of usable beds within the facility and accommodate the fluctuating, non-standardized numbers of transient Soldiers by providing male/female separation and unit integrity. The facility will be deactivated and/or taken off-line during the winter months when necessary. When Fort McCoy is called upon to stand up its Mobilization mission, this barracks will house Soldiers mobilizing out of Fort McCoy. When Fort McCoy is not stood-up as a mobilization platform, this barracks will support the seasonally driven requirement(s) of annual training and major exercises. Deactivation of barracks buildings during the winter months conserves energy and saves utility dollars. This barracks is one of four barracks buildings to be constructed within a "quad" or block to support mobilization and annual training. Fort McCoy is designated a secondary Mobilization Force Generation Installation (MFGI). Demolish 13 WWII wood buildings totaling 66,282 SF upon project completion.					
CURRENT SITUATION: Fort McCoy trains 139,000 Active and Army Reserve Soldiers annually. Fort McCoy's training mission is dependent on the use of WWII wood buildings, now over 70 years old. These existing wood buildings are very quickly moving to the end of their usable life cycle. The installation does all it can to keep its WWII wood in quality condition, however due to the extended use and age of these facilities, there will soon come a time when massive amounts of this inventory will fail and no longer be safe for use by our Soldiers. Currently, Fort McCoy's inventory of WWII wood buildings does not provide enough capacity to field the population of Soldiers training on Fort McCoy. Latest data provided by the Real Property Planning and Analysis System (RPLANS) shows Fort McCoy is over 1.1 Million SF deficient in Transient Training Enlisted Barracks. The construction of this TT Enlisted Barracks would enhance Fort McCoy's capability to train and mobilize Soldiers by providing more throughput and greater efficiency. Demolish 13 WWII wood buildings totaling 66,282 SF upon project completion.					
IMPACT IF NOT PROVIDED: Fort McCoy is the only MFGI utilizing 1.4 Million SF of WWII wood barracks to meet its mission. If this project is not approved, the installation's Training/Power Projection Platform mission will be accomplished utilizing facilities that do not meet current Army standards.					
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					

1. COMPONENT AR	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAR 2019
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3. INSTALLATION AND LOCATION Fort McCoy Wisconsin	4. PROJECT TITLE Transient Training Barracks
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5. PROGRAM ELEMENT 0532292A	6. CATEGORY CODE 72114	7. PROJECT NUMBER CAR 20-81802	8. PROJECT COST (\$000) Auth 25,000 Approp 25,000
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ADDITIONAL: (CONTINUED)
 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:

(a) Date Design Started	SEP 2018
(b) Percent Complete as of January 2019.....	35
(c) Date 35% Designed.....	JAN 2019
(d) Date Design Complete.....	SEP 2019
(e) Parametric Cost Estimating Used to Develop Costs..	YES
(f) Type of Design Contract: Design-bid-build	

(2) Basis:

- (a) Standard or Definitive Design: YES
- (b) Where Design Was Most Recently Used:

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

(\$000)

(a) Production of Plans and Specifications.....	1,440
(b) All Other Design Costs.....	518
(c) Total Design Cost.....	1,958
(d) Contract.....	1,566
(e) In-house.....	392

(4) Construction Contract Award..... APR 2020

(5) Construction Start..... APR 2020

(6) Construction Completion..... APR 2022

1. COMPONENT AR	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAR 2019
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3. INSTALLATION AND LOCATION Fort McCoy Wisconsin	4. PROJECT TITLE Transient Training Barracks
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5. PROGRAM ELEMENT 0532292A	6. CATEGORY CODE 72114	7. PROJECT NUMBER CAR 20-81802	8. PROJECT COST (\$000) Auth 25,000 Approp 25,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

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>
Barracks (4-Bldgs) Furnishings	OMAR	2021	4,253
Info Sys - ISC	OPA	2021	230
Total			4,483

Point of Contact: Army Reserve Project Officer, (703) 806-6780

1. COMPONENT AR		FY 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAR 2019	
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 20-85699		8. PROJECT COST (\$000) Approp 8,928	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						8,928
96200 Minor Construction Facilities		LS	--		--	(8,928)
SUPPORTING FACILITIES						
ESTIMATED CONTRACT COST						8,928
CONTINGENCY (0.00%)						0
SUBTOTAL						8,928
SUPV, INSP & OVERHEAD (.00%)						0
TOTAL REQUEST						8,928
TOTAL REQUEST (ROUNDED)						8,928
TOTAL RELATED FURNITURE & EQUIP						(0)
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
REQUIREMENT: 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 2020 MILITARY CONSTRUCTION PROJECT DATA			2. DATE MAR 2019	
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 20-85700		8. PROJECT COST (\$000) Approp 6,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						6,000
96100 Planning and Design		LS	--		--	(6,000)
SUPPORTING FACILITIES						
ESTIMATED CONTRACT COST						6,000
CONTINGENCY (0.00%)						0
SUBTOTAL						6,000
SUPV, INSP & OVERHEAD (.00%)						0
TOTAL REQUEST						6,000
TOTAL REQUEST (ROUNDED)						6,000
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 21 and FY 22.						