

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022
BUDGET ESTIMATES
May 2021



MILITARY CONSTRUCTION, ARMY RESERVE

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2022
 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	-----
Michigan		Southfield (USAR)				1
	92888	Area Maintenance Support Activity	12,000	12,000	C	1
		Subtotal Southfield	\$ 12,000	12,000		
		* TOTAL MCAR FOR Michigan	\$ 12,000	12,000		
Ohio		Wright-Patterson AFB				7
	90368	Army Reserve Center Training Building / Unheated Storage	19,000	19,000	C	7
		Subtotal Wright-Patterson AFB	\$ 19,000	19,000		
		* TOTAL MCAR FOR Ohio	\$ 19,000	19,000		
Wisconsin		Fort McCoy (USAR)				13
	88554	Transient Training Brigade Headquarters	12,200	12,200	C	13
		Subtotal Fort McCoy	\$ 12,200	12,200		
		* TOTAL MCAR FOR Wisconsin	\$ 12,200	12,200		
		** TOTAL INSIDE THE UNITED STATES FOR MCAR	\$ 43,200	43,200		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2022
 MILITARY CONSTRUCTION, ARMY RESERVE
 (DOLLARS ARE IN THOUSANDS)
 VARIOUS LOCATIONS

STATE	INSTALLATION/CITY (COMMAND)	AUTHORIZATION	NEW/ APPROPRIATION CURRENT	PAGE
----- PROJECT NUMBER	----- PROJECT TITLE	REQUEST	REQUEST MISSION	-----
-----	-----	-----	-----	-----
Various Locations	Minor Construction (MINOR)			17
88965	Unspecified Minor Construction	0	14,544	17
	Subtotal Minor Construction	\$ 0	14,544	
	Planning and Design (PLANDES)			18
88964	Planning and Design	0	7,167	18
	Subtotal Planning and Design	\$ 0	7,167	
	* TOTAL MCAR FOR Various Locations	\$ 0	21,711	
** TOTAL VARIOUS LOCATIONS FOR MCAR		\$ 0	21,711	
MILITARY CONSTRUCTION, ARMY RESERVE TOTAL		\$ 43,200	64,911	
	Total Cost of New Mission Projects	(0)	\$ 0	
	Total Cost of Current Mission projects	(3)	\$ 43,200	
	Total Cost of other line items	(2)	\$ 21,711	
	Total Cost of FY 2022 MCAR Projects	(5)	\$ 64,911	

MILITARY CONSTRUCTION, ARMY
RESERVE FY 2022 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)
2022	64,911

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 2022 will be used to design projects in the Army Reserve Fiscal Years 2023 and 2024 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 2022 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, \$64,911,000 to remain available until September 30, 2026: Provided, That, of the amount, not to exceed \$7,167,000 shall be available for study, planning, design, and architect and engineer services, as authorized by law, unless the Chief of the Army Reserve determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of the determination and the reasons therefore.

MILITARY CONSTRUCTION, ARMY RESERVE

FY 2022 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 2022 budget.

Other Congressional – Planning and Design

No considerations are made for directed planning and design projects in the FY 2022 budget.

MAY 2021

MILITARY CONSTRUCTION
ARMY RESERVE FY 2022 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](https://www.expectmore.gov) website.

1. COMPONENT AR	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 01 MAY 2021
3. INSTALLATION AND LOCATION Southfield Michigan		4. AREA CONSTRUCTION COST INDEX 1.03
13. MAJOR EQUIPMENT AND AIRCRAFT		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>
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 AR		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 01 MAY 2021	
3. INSTALLATION AND LOCATION Southfield Michigan				4. PROJECT TITLE Area Maintenance Support Activity		
5. PROGRAM ELEMENT 0532292A		6. CATEGORY CODE 21418	7. PROJECT NUMBER CAR 22-92888		8. PROJECT COST (\$000) Auth 12,000 Approp 12,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						7,498
21418 Area Maint Support Activity		m2 (SF)	1,559 (16,781)		4,244	(6,616)
00000 Cyber Security Measures		LS	--		--	(750)
Sustainability/Energy Measures		LS	--		--	(132)
<u>SUPPORTING FACILITIES</u>						3,314
Electric Service		LS	--		--	(253)
Water, Sewer, Gas		LS	--		--	(552)
Paving, Walks, Curbs And Gutters		LS	--		--	(718)
Storm Drainage		LS	--		--	(84)
Site Imp(1,188) Demo()		LS	--		--	(1,188)
Information Systems		LS	--		--	(8)
Antiterrorism Measures		LS	--		--	(29)
Other		LS	--		--	(482)
ESTIMATED CONTRACT COST						10,812
CONTINGENCY (5.00%)						541
SUBTOTAL						11,353
SUPV, INSP & OVERHEAD (5.70%)						647
TOTAL REQUEST						12,000
TOTAL REQUEST (ROUNDED)						12,000
TOTAL RELATED FURNITURE & EQUIP						(1,284)
10. Description of Proposed Construction Construct an Area Maintenance Support Activity (AMSA) on existing government owned land at the 1LT Robert Poxon Army Reserve Center (ARC) located in Southfield, MI. The building 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, bi-level equipment loading ramp, fencing, general site improvements and utility connections. 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. 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: 2,653 m2		ADQT: NONE		SUBSTD: NONE		
PROJECT: Construct an AMSA on existing government owned land at the 1LT Robert Poxon ARC located in Southfield, MI. (Current Mission)						
REQUIREMENT: To be located at the 1LT Robert L. Poxon ARC in Southfield, MI this project will provide an Area Maintenance Support Activity consisting of two 32' x 96' drive thru work bays (comprised of six 16' x 32' work areas per bay), work bay safety						

1. COMPONENT AR	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 01 MAY 2021
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3. INSTALLATION AND LOCATION Southfield Michigan	4. PROJECT TITLE Area Maintenance Support Activity
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5. PROGRAM ELEMENT 0532292A	6. CATEGORY CODE 21418	7. PROJECT NUMBER CAR 22-92888	8. PROJECT COST (\$000) Auth 12,000 Approp 12,000
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IMPACT IF NOT PROVIDED: (CONTINUED)
ability to meet mission requirements which in turn has a negative impact on equipment readiness.
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. An economic analysis has been prepared and utilized in evaluating this project. This project is the most cost-effective 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.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Date Design Started NOV 2019
 - (b) Percent Complete as of January 2021..... 65
 - (c) Date 35% Designed..... AUG 2020
 - (d) Date Design Complete..... AUG 2021
 - (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..... 655
 - (b) All Other Design Costs..... 344
 - (c) Total Design Cost..... 999
 - (d) Contract..... 799
 - (e) In-house..... 200

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

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

- (6) Construction Completion..... FEB 2024

1. COMPONENT AR	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 01 MAY 2021
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3. INSTALLATION AND LOCATION Southfield Michigan	4. PROJECT TITLE Area Maintenance Support Activity
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5. PROGRAM ELEMENT 0532292A	6. CATEGORY CODE 21418	7. PROJECT NUMBER CAR 22-92888	8. PROJECT COST (\$000) Auth 12,000 Approp 12,000
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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>
Furniture	OMAR	Future Request	608
Collateral Equipment	OMAR	Future Request	507
IDS	OPA	Future Request	20
Info Sys - ISC	OPA	Future Request	28
Info Sys - PROP	OMAR	Future Request	120
		Total	1,284

1. COMPONENT AR	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 01 MAY 2021
3. INSTALLATION AND LOCATION Wright-Patterson Air Force Base Ohio		4. AREA CONSTRUCTION COST INDEX .94
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 AF Wright-Patterson AFB 1.00 miles Base USNR Dayton, OH 15.00 miles Center USAR Dayton, OH 20.00 miles Center ARNG Dayton, OH 20.00 miles Center ANG Springfield, OH 20.00 miles Base USAR Troy, OH 35.00 miles Center		
7. PROJECTS REQUESTED IN THIS PROGRAM		
CATEGORY	COST	DESIGN STATUS
<u>CODE</u> <u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>START</u> <u>CMPL</u>
17140 Army Reserve Center/UHS	3,840 m2 (41,329 SF)	19,000 NOV 2019 AUG 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>02 SEP 2020</u> (Date)
9. LAND ACQUISITION REQUIRED None. Facility will be located on existing Federal owned land (Wright-Patterson Air Force Base).		
		<u>0</u> (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 27 APR 2021		
	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	17 2 12 3	306 50 256
ACTUAL	13 1 10 2	360 64 296

1. COMPONENT AR	FY 2022 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 01 MAY 2021	
3. INSTALLATION AND LOCATION Wright-Patterson Air Force Base Ohio		4. AREA CONSTRUCTION COST INDEX .94	
12. RESERVE UNIT DATA AUTHORIZED 110%			
<u>UNIT DESIGNATION</u> GRP 2100 USA MIL INTEL GRP 2100 USA MIL INTEL DET OCAR RGN 10 USAR ELEMENT, 3100 705 TRANS MDM TRK CO 342 CMP CO COMBAT SUPPORT 2100 HQ DET GP USA MI (GND INTEL) 2100 DET 1 GP USA MI (GND INTEL) DET 5 WRIGHT-PAT (EUCOM) Totals		<u>STRENGTH</u>	
		<u>AUTHORIZED</u>	<u>ACTUAL</u>
13. MAJOR EQUIPMENT AND AIRCRAFT		<u>AUTHORIZED</u>	<u>ACTUAL</u>
<u>TYPE</u> TRAILER WHEELED EQUIPMENT > 30 TOTALS		17 28 <u>120</u> 165	11 18 <u>72</u> 101
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 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 01 MAY 2021	
3. INSTALLATION AND LOCATION Wright-Patterson AFB Ohio				4. PROJECT TITLE AR Center Training Building / UHS		
5. PROGRAM ELEMENT 0532292A		6. CATEGORY CODE 17140	7. PROJECT NUMBER CAR 22-90368		8. PROJECT COST (\$000) Auth 19,000 Approp 19,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						13,036
17140 Army Reserve Center Building		m2 (SF)	3,614 (38,898)		3,270	(11,816)
44220 Unheated Storage Building		m2 (SF)	225.85 (2,431)		1,023	(231)
00000 Cyber Security Measures		LS	--		--	(750)
Sustainability/Energy Measures		LS	--		--	(239)
<u>SUPPORTING FACILITIES</u>						4,083
Electric Service		LS	--		--	(457)
Water, Sewer, Gas		LS	--		--	(610)
Paving, Walks, Curbs And Gutters		LS	--		--	(456)
Storm Drainage		LS	--		--	(152)
Site Imp(2,150) Demo()		LS	--		--	(2,150)
Information Systems		LS	--		--	(222)
Antiterrorism Measures		LS	--		--	(36)
ESTIMATED CONTRACT COST						17,119
CONTINGENCY (5.00%)						856
SUBTOTAL						17,975
SUPV, INSP & OVERHEAD (5.70%)						1,025
TOTAL REQUEST						19,000
TOTAL REQUEST (ROUNDED)						19,000
TOTAL RELATED FURNITURE & EQUIP						(2,515)
10. Description of Proposed Construction Construct a 300-member Army Reserve Center (ARC) on Wright-Patterson Air Force Base (AFB), OH. Primary facilities include construction of an ARC Training Building and Unheated 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 and general site improvements and utility connections. 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. 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 3 buildings at Dayton, OH (Total 1,854 m2/19,957 SF), and 2 buildings at Troy, OH (Total 539 m2/5,801 SF). Air Conditioning (Estimated 383 kW/109 Tons).						
11. REQ: 4,526 m2		ADQT: NONE		SUBSTD: 2,393 m2		
PROJECT: Construct a 300-member ARC Training Building and Unheated Storage Building on Wright-Patterson AFB, OH. (Current Mission)						
REQUIREMENT: To be located on Wright-Patterson AFB, this project will provide a 300-member training facility with administrative, educational, assembly, arms vault, physical						

1. COMPONENT AR		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 01 MAY 2021	
3. INSTALLATION AND LOCATION Wright-Patterson AFB Ohio				4. PROJECT TITLE AR Center Training Building / UHS		
5. PROGRAM ELEMENT 0532292A		6. CATEGORY CODE 17140	7. PROJECT NUMBER CAR 22-90368		8. PROJECT COST (\$000) Auth 19,000 Approp 19,000	
<u>REQUIREMENT: (CONTINUED)</u>						
<p>fitness and storage areas for eight Army Reserve units. The project will also provide for unit storage and adequate parking space privately-owned vehicles. This project consolidates two aging and severely over-utilized ARCs into a new facility that is not only compliant with antiterrorism force protection standoff requirements but meets the training needs of assigned units. Upon project completion both existing ARCs located in Dayton and Troy (totaling five buildings/ 25,758 SF) will be properly disposed of through normal procedures.</p> <p><u>CURRENT SITUATION:</u> Army Reserve units are currently assigned to two ARCs located in Dayton and Troy, OH. Constructed in 1975, the Lapointe United States Army Reserve Center (USARC) is located on 10.10 acres in Dayton, OH and consists of 10.10 acres of land, a 15,100 SF training building, 2,937 SF VMS and a 1,920 SF unheated storage building. The USARC is utilized at a rate of 225 percent by assigned units and has a Real Property Planning and Analysis System (RPLANS) rating of C4, and an Installation Status Report (ISR) Quality rating of Q4 and Mission rating of F3. The arms room is not adequate in size to allow the units to store and secure all of their sensitive equipment. The facility only has one classroom and half of it is occupied by storage cages. There is only one male and one female shower in the facility. The administrative space is undersized and an ad hoc office area has been created in a mezzanine above the assembly hall that is actually a mechanical room. Constructed in 1962, the Troy Memorial USARC is located on four acres of land in Troy, OH and consists of a 4,476 SF training building and 1,325 SF VMS. The USARC is utilized at a rate of 375 percent by assigned units and has an RPLANS rating of C4, and an ISR Quality rating of Q3 and Mission rating of F2. The Troy Memorial USARC is far too undersized to serve the Army Reserve. Many of the functional areas serve multiple purposes. For example the classroom doubles as a physical readiness room, the administrative area serves as an IT closet and mail room and the assembly hall serves as a unit storage area. Upon project completion both the Troy Memorial USARC and LaPointe USARC will be properly disposed of through normal procedures. The maintenance and MEP requirements are being provided through a previous MCAR project on Wright-Patterson AFB. Both the Lapointe USARC (3 buildings/ 19,957 SF) and Troy Memorial USARC (2 buildings/ 5,801 SF) will be disposed of upon project completion.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the units assigned to the Lapointe USARC will continue to train in facilities not large enough to support their mission requirements. The Lapointe USARC is currently deficient 3,000 SF of administrative space, 200 SF of Arms Vault space, 1,200 SF of Classroom space, 200 SF of unit storage and does not have a physical readiness area or SIPRNet Cafe. The undersized arms vault results in the unit's inability to store sensitive items in a secure environment. This opens the equipment up to damage and/or theft. The lack of adequate administrative space is only exacerbated by the lack of adequate IT infrastructure. This results in the Soldiers inability to complete mandatory online training or perform basic administrative tasks on drill weekends. The Troy Memorial USARC is a 4,476 SF training building that does not have an assembly hall, arms vault or physical readiness area. The facility is deficient 1,500 SF in administrative space. The unit's mission is to provide Military Police (MP) support to an assigned area of operations and is employed to execute all MP functions. Not having an arms vault on site severely hampers the unit's ability to meet their mission requirements as they have to travel an hour and a half, one way, to pick up, train with and maintain their weapons as they are stored with their headquarters in Columbus, OH.</p>						

1. COMPONENT AR	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 01 MAY 2021
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3. INSTALLATION AND LOCATION Wright-Patterson AFB Ohio	4. PROJECT TITLE AR Center Training Building / UHS
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5. PROGRAM ELEMENT 0532292A	6. CATEGORY CODE 17140	7. PROJECT NUMBER CAR 22-90368	8. PROJECT COST (\$000) Auth 19,000 Approp 19,000
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IMPACT IF NOT PROVIDED: (CONTINUED)
This project will allow unit's to save time and travel dollars by re-assigning them closer to the assets they need access to in order to effectively achieve their mission requirements and maintain ready Soldiers.
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:
 - (a) Date Design Started NOV 2019
 - (b) Percent Complete as of January 2021..... 50
 - (c) Date 35% Designed..... OCT 2020
 - (d) Date Design Complete..... AUG 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 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..... 986
 - (b) All Other Design Costs..... 495
 - (c) Total Design Cost..... 1,481
 - (d) Contract..... 1,185
 - (e) In-house..... 296

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

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

1. COMPONENT AR		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 01 MAY 2021	
3. INSTALLATION AND LOCATION Fort McCoy Wisconsin				4. PROJECT TITLE Transient Training BDE HQ		
5. PROGRAM ELEMENT 0532292A		6. CATEGORY CODE 14187	7. PROJECT NUMBER CAR 22-88554		8. PROJECT COST (\$000) Auth 12,200 Approp 12,200	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						9,635
14187 Brigade HQ Bldg, Transient Trng		m2 (SF)	2,137 (23,000)		4,102	(8,766)
00000 Cyber Security Measures		LS	--		--	(750)
Sustainability/Energy Measures		LS	--		--	(119)
<u>SUPPORTING FACILITIES</u>						1,357
Electric Service		LS	--		--	(199)
Water, Sewer, Gas		LS	--		--	(176)
Paving, Walks, Curbs And Gutters		LS	--		--	(55)
Storm Drainage		LS	--		--	(589)
Site Imp(332) Demo()		LS	--		--	(332)
Information Systems		LS	--		--	(6)
ESTIMATED CONTRACT COST						10,992
CONTINGENCY (5.00%)						550
SUBTOTAL						11,542
SUPV, INSP & OVERHEAD (5.70%)						658
TOTAL REQUEST						12,200
TOTAL REQUEST (ROUNDED)						12,200
TOTAL RELATED FURNITURE & EQUIP						(622)
10. Description of Proposed Construction Construct a new Transient Training Brigade Headquarters (TT BDE HQ) on Fort McCoy, WI for Major Exercises, Annual Training, Battle Assembly, and Mobilization Exercises. The project is based on the denser, more consolidated footprints of Fort McCoy's Troop Housing Area Development Plan. Fewer, multiple story buildings allow facilities/functions to be sited closer together, allowing for a more walkable training environment, as well as saving money on utilities. Also, the smaller footprint of this plan builds less impervious surface, which generates less stormwater runoff requiring less stormwater management features, allowing for additional cost savings. The floor plan will be based on the Operational Readiness Training Complex (ORTC) standard design and additional square footage has been included in this project to accommodate stair/elevator access to the second floor. 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. Project will include information systems, fire protection and alarm systems, video surveillance system, 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 a 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. Sustainability/Energy measures will be provided. Facilities will be						

1. COMPONENT AR		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 01 MAY 2021	
3. INSTALLATION AND LOCATION Fort McCoy Wisconsin				4. PROJECT TITLE Transient Training BDE HQ		
5. PROGRAM ELEMENT 0532292A		6. CATEGORY CODE 14187	7. PROJECT NUMBER CAR 22-88554		8. PROJECT COST (\$000) Auth 12,200 Approp 12,200	
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
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 9 buildings at Fort McCoy, WI (Total 2,171 m2/23,364 SF).						
11. REQ: 2,137 m2 ADQT: NONE SUBSTD: NONE						
PROJECT: Construct a TT BDE HQ on Fort McCoy, WI based on the ORTC concept. (Current Mission)						
REQUIREMENT: TT BDE HQ will provide company, battalion, and brigade level administrative capability to Soldiers training at Fort McCoy. The building is primarily comprised of individual offices and open space for cubicles. Fort McCoy is designated a secondary Mobilization Force Generation Installation (MFGI). During mobilization this building will be utilized as a Soldier Readiness Processing station (SRP), Mobilization Unit In-Processing Center (MUIC), and other medical processing/in-processing functions. This project replaces, thru demolition nine buildings totaling 23,364 SF.						
CURRENT SITUATION: Fort McCoy trains 139,000 Active and Army Reserve Soldiers annually. Fort McCoy's training mission is realized with the use of WWII wood buildings, now over 70 years old. These existing wood buildings are moving to the end of their usable life cycle. The installation does all it can to keep its WWII wood in quality condition, but 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 200,000 SF deficient in Company Headquarters TT, Battalion Headquarters TT, and Brigade Headquarters TT combined. The construction of this BDE HQ TT would enhance Fort McCoy's capability to train and mobilize Soldiers by providing more throughput and greater efficiency when in-processing Soldiers.						
IMPACT IF NOT PROVIDED: If this project is not approved, the installation's Training/Power Projection Platform mission(s) will be accomplished utilizing facilities that do not meet current Army standards.						
ADDITIONAL: 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 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 01 MAY 2021
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3. INSTALLATION AND LOCATION Fort McCoy Wisconsin	4. PROJECT TITLE Transient Training BDE HQ
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5. PROGRAM ELEMENT 0532292A	6. CATEGORY CODE 14187	7. PROJECT NUMBER CAR 22-88554	8. PROJECT COST (\$000) Auth 12,200 Approp 12,200
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(a) Date Design Started	NOV 2019
(b) Percent Complete as of January 2021.....	50
(c) Date 35% Designed.....	SEP 2020
(d) Date Design Complete.....	AUG 2021
(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.....	691
(b) All Other Design Costs.....	172
(c) Total Design Cost.....	863
(d) Contract.....	691
(e) In-house.....	172

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

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

(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>
BN HQ Furnishings (2 EA)	OMAR	Future Request	299
BN HQ Collateral Equip	OMAR	Future Request	196
IDS	OPA	Future Request	30
Info Sys - ISC	OPA	Future Request	4
Info Sys - PROP	OMAR	Future Request	93
		Total	622

1. COMPONENT AR		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 01 MAY 2021	
3. INSTALLATION AND LOCATION Minor Construction Various Locations				4. PROJECT TITLE Unspecified Minor Construction		
5. PROGRAM ELEMENT 0532292A		6. CATEGORY CODE 96200	7. PROJECT NUMBER CAR 22-88965		8. PROJECT COST (\$000) Approp 14,544	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						14,544
96200 Minor Construction Facilities		LS	--		--	(14,544)
<u>SUPPORTING FACILITIES</u>						
ESTIMATED CONTRACT COST						14,544
CONTINGENCY (0.00%)						0
SUBTOTAL						14,544
SUPV, INSP & OVERHEAD (.00%)						0
TOTAL REQUEST						14,544
TOTAL REQUEST (ROUNDED)						14,544
TOTAL RELATED FURNITURE & EQUIP						(1,850)
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 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 01 MAY 2021	
3. INSTALLATION AND LOCATION Planning and Design Various Locations				4. PROJECT TITLE Planning and Design		
5. PROGRAM ELEMENT 0532292A		6. CATEGORY CODE 96100	7. PROJECT NUMBER CAR 22-88964		8. PROJECT COST (\$000) Approp 7,167	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u> 96100 Planning and Design		LS	--		--	7,167 (7,167)
<u>SUPPORTING FACILITIES</u>						
ESTIMATED CONTRACT COST						7,167
CONTINGENCY (0.00%)						0
SUBTOTAL						7,167
SUPV, INSP & OVERHEAD (.00%)						0
TOTAL REQUEST						7,167
TOTAL REQUEST (ROUNDED)						7,167
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
PROJECT: 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 23 and FY 24.						