

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2019
BUDGET ESTIMATES
February 2018



MILITARY CONSTRUCTION, ARMY RESERVE

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The estimated cost of this report for the Department of Defense is approximately \$40,500 for Fiscal Year 2019. This includes \$200 in expenses and \$40,300 in DoD labor.

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2019
 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	-----
-----	-----	-----	-----	-----	-----	-----
California		Barstow (USAR)				1
	77268	ECS Modified TEMF/ Warehouse	34,000	34,000	C	1
		Subtotal Barstow	\$ 34,000	34,000		
		* TOTAL MCAR FOR California	\$ 34,000	34,000		
Wisconsin		Fort McCoy (USAR)				7
	80690	Transient Training Barracks	23,000	23,000	C	7
		Subtotal Fort McCoy	\$ 23,000	23,000		
		* TOTAL MCAR FOR Wisconsin	\$ 23,000	23,000		
		** TOTAL INSIDE THE UNITED STATES FOR MCAR	\$ 57,000	57,000		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2019
 MILITARY CONSTRUCTION, ARMY RESERVE
 (DOLLARS ARE IN THOUSANDS)
 WORLDWIDE

STATE	INSTALLATION/CITY (COMMAND)	AUTHORIZATION	NEW/ APPROPRIATION CURRENT	PAGE
----- PROJECT	-----	REQUEST	REQUEST MISSION	-----
NUMBER	PROJECT TITLE	-----	-----	-----
-----	-----	-----	-----	-----
Worldwide Unspecified Minor Construction (MINOR)				11
82217	Unspecified Minor Construction	0	2,064	11
		-----	-----	
	Subtotal Minor Construction	\$ 0	2,064	
	Planning and Design (PLANDES)			12
82218	Planning and Design	0	5,855	12
		-----	-----	
	Subtotal Planning and Design	\$ 0	5,855	
	* TOTAL MCAR FOR Worldwide Various	\$ 0	7,919	
	** TOTAL WORLDWIDE FOR MCAR	\$ 0	7,919	
	MILITARY CONSTRUCTION, ARMY RESERVE TOTAL	\$ 57,000	64,919	
	Total Cost of New Mission Projects	(0)	\$ 0	
	Total Cost of Current Mission projects	(2)	\$ 57,000	
	Total Cost of other line items	(2)	\$ 7,919	
	Total Cost of FY 2019 MCAR Projects	(4)	\$ 64,919	

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**Military Construction, Army Reserve Outyear Project Data
BES 2019 Military Construction Outyear Projects**

Printed on 03-Jan-2018 at 9:26:33

Component	FY	Appropriation	Installation	Location	Project Title	Facility Category	FY 18 Budgeted Amount (\$000)	FY 19 Budgeted Amount (\$000)	Change From Previous Submission (\$000)
USAR	2019	2086	Barstow	CA	ECS Modified TEMF/ Warehouse	214	34,000	34,000	0
USAR	2019	2086	Fort McCoy	WI	Transient Training Barracks	721	23,000	23,000	0
USAR	2019	2086	WW Various P&D	WW	Planning and Design	961	5,855	5,855	0
USAR	2019	2086	WW Various Minor	WW	Unspecified Minor Construction	962	2,639	2,064	(575)
FY19 Total							65,494	64,919	(575)
USAR	2020	2086	Newark	DE	Army Reserve Center/ BMA	171	19,500	19,500	0
USAR	2020	2086	Lewis-McChord	WA	Army Reserve Center	171	30,000	30,000	0
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	5,969	5,428	(541)
FY20 Total							61,469	60,928	(541)
USAR	2021	2086	Miramar	FL	Army Reserve Center/ AMSA/ Land	171	34,000	34,000	0
USAR	2021	2086	Asheville	NC	Army Reserve Center/ Land	171	18,000	18,000	0
USAR	2021	2086	Wright-Patterson AFB	OH	Area Maintenance Support Activity	214	9,100	9,100	0
USAR	2021	2086	WW Various P&D	WW	Planning and Design	961	8,000	8,000	0
USAR	2021	2086	WW Various Minor	WW	Unspecified Minor Construction	962	9,917	9,222	(695)
FY21 Total							79,017	78,322	(695)
USAR	2022	2086	San Diego	CA	Army Reserve Center	171	22,000	22,000	0
USAR	2022	2086	Jacksonville	FL	ECS Modified TEMF/ Warehouse	214	31,000	31,000	0
USAR	2022	2086	Devens	MA	Automated Multipurpose Machine Gun (MPMG)	178	8,700	8,700	0
USAR	2022	2086	Yakima	WA	ECS Modified TEMF	214	19,000	19,000	0
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	6,684	5,851	(833)
FY22 Total							94,684	93,851	(833)
USAR	2023	2086	Fallbrook	CA	Area Maintenance Support Activity	214	0	5,000	5,000
USAR	2023	2086	Jacksonville	FL	Army Reserve Center	171	0	36,000	36,000
USAR	2023	2086	Devens	MA	Training Aids Center	141	0	3,300	3,300
USAR	2023	2086	Fort McCoy	WI	BN HQ-Transient Training	141	0	9,800	9,800
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	0	7,800	7,800
USAR	2023	2086	WW Various Minor	WW	Unspecified Minor Construction	962	0	57	57
FY23 Total							0	87,957	87,957
Grand Total							300,664	385,977	85,313

MILITARY CONSTRUCTION, ARMY
RESERVE FY 2019 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 (\$)		
		CR	Total
2019	64,919,000		64,919,000
2018	73,712,000	33,851,000	107,563,000
2017	108,230,000		108,230,000
2016	147,795,000		147,795,000

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 2019 will be used to design projects in the Army Reserve Fiscal Years 2020 and 2021 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 2019 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, \$64,919,000 to remain available until September 30, 2023.

MILITARY CONSTRUCTION, ARMY RESERVE

FY 2019 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 2019 budget.

Other Congressional – Planning and Design

No considerations are made for directed planning and design projects in the FY 2019 budget.

FEBRUARY 2018

MILITARY CONSTRUCTION
ARMY RESERVE FY 2019 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.

Parking Issues at DoD Facilities

This exhibit is submitted in response to House Report 115-188, “The Military Construction, Veterans Affairs, and Related Agencies Appropriations Bill, 2018”, page 28, which states:

“Parking issues at DOD facilities. ---Military construction budget constraints are negatively affecting the ability of the Department of Defense to address urgent parking requirements at certain U.S. military installations. The lack of parking is a safety issue and a detriment to the well-being of the employees, both civilian and military. The committee is concerned that many DOD facilities in the Departments inventory do not have sufficient parking to meet installation requirements. Furthermore, these deficiencies can contribute to traffic congestion and are serious problems on base. The Committee is concerned that the Department does not have a coherent strategy to address the growing parking requirements at installations that have significant growth. For example, Fort Meade, which already was home to the National Security Agency (NSA), became the headquarters for the newly formed U.S. Cyber Command in 2010. By 2011, the Defense Information Systems Agency, which handles the Pentagon’s IT and communications needs, had moved onto the base. In 2005, the base had just over 33,500 employees. Today it has about 57,000, more than double the numbers of the workers at the Pentagon. As a result of this growth, parking at Fort Meade has become a serious issue. Therefore, the Secretary of Defense is directed to submit to the Committee with the fiscal year 2019 military construction budget request: an updated list of unfunded requirements for parking facilities, access control points, and road construction at DOD facilities that have serious parking, access, and road congestion issues. Finally, the Secretary is further directed to submit, with the fiscal year 2019 military construction budget request, a list of how those requirements will be incorporated into their construction requests for fiscal years 2019 through 2023.”

List of Unfunded FY 2019 Parking Facilities, Access Control Points, and Road Construction Projects at DoD Sites
(Dollars in Thousands)

Component	Project Type	Installation	State or Country	Project Description	Project Number	Estimated Cost	Estimated Program Year Funding
Army Reserve	A	Fort Hunter Liggett	California	Access Control Point - (Mission Road)	87379	18,000	2023
Army Reserve	A	Fort Buchanan	Puerto Rico	Secondary Access Control Point	65520	9,400	2023
	Please indicate:						
	- P for Parking						
	- A for Access						
	Control Points						
	- R for Roads						
				Total Cost			

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1. COMPONENT AR	FY 2019 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 15 DEC 2017																															
3. INSTALLATION AND LOCATION Barstow California		4. AREA CONSTRUCTION COST INDEX 1.23																															
5. FREQUENCY AND TYPE OF UTILIZATION Reservist - 0 weekends/month 0 nights/week Full-Time Personnel - 5 days/week																																	
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS ARNG Barstow, CA 2.00 miles Center USMC Barstow, CA 2.00 miles Base USAR Victorville, CA 28.00 miles Center																																	
7. PROJECTS REQUESTED IN THIS PROGRAM <table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;"><u>CATEGORY</u></th> <th style="text-align: left;"><u>COST</u></th> <th colspan="2" style="text-align: left;"><u>DESIGN STATUS</u></th> </tr> <tr> <th style="text-align: left;"><u>CODE</u> <u>PROJECT TITLE</u></th> <th style="text-align: left;"><u>(\$000)</u></th> <th style="text-align: left;"><u>START</u></th> <th style="text-align: left;"><u>CMPL</u></th> </tr> </thead> <tbody> <tr> <td>21418 ECS Modified TEMF/ Warehouse</td> <td>7,303 m2 (78,612 SF)</td> <td>34,000</td> <td>SEP 2017 SEP 2018</td> </tr> </tbody> </table>			<u>CATEGORY</u>	<u>COST</u>	<u>DESIGN STATUS</u>		<u>CODE</u> <u>PROJECT TITLE</u>	<u>(\$000)</u>	<u>START</u>	<u>CMPL</u>	21418 ECS Modified TEMF/ Warehouse	7,303 m2 (78,612 SF)	34,000	SEP 2017 SEP 2018																			
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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. <div style="float: right; text-align: right;"> <u>24 MAR 2017</u> (Date) </div>																																	
9. LAND ACQUISITION REQUIRED Master Planned <u>46.00</u> (Number of acres)																																	
10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;"><u>CATEGORY</u></th> <th style="text-align: left;"><u>SCOPE</u></th> <th style="text-align: right;"><u>COST</u></th> </tr> <tr> <th style="text-align: left;"><u>CODE</u> <u>PROJECT TITLE</u></th> <th style="text-align: left;"><u>(\$000)</u></th> <th style="text-align: left;"></th> </tr> </thead> <tbody> <tr> <td colspan="3">NONE</td> </tr> <tr> <td>DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):</td> <td>0</td> <td></td> </tr> </tbody> </table> <p>A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.</p>			<u>CATEGORY</u>	<u>SCOPE</u>	<u>COST</u>	<u>CODE</u> <u>PROJECT TITLE</u>	<u>(\$000)</u>		NONE			DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):	0																				
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11. PERSONNEL STRENGTH AS OF 05 SEP 2017 <table border="0" style="width: 100%; text-align: center;"> <thead> <tr> <th rowspan="2"></th> <th colspan="4"><u>PERMANENT</u></th> <th colspan="3"><u>GUARD/RESERVE</u></th> </tr> <tr> <th><u>TOTAL</u></th> <th><u>OFFICER</u></th> <th><u>ENLISTED</u></th> <th><u>CIVILIAN</u></th> <th><u>TOTAL</u></th> <th><u>OFFICER</u></th> <th><u>ENLISTED</u></th> </tr> </thead> <tbody> <tr> <td>AUTHORIZED</td> <td>78</td> <td>0</td> <td>0</td> <td>78</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>ACTUAL</td> <td>78</td> <td>0</td> <td>0</td> <td>78</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>				<u>PERMANENT</u>				<u>GUARD/RESERVE</u>			<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	AUTHORIZED	78	0	0	78	0	0	0	ACTUAL	78	0	0	78	0	0	0
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12. RESERVE UNIT DATA AUTHORIZED <table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;"><u>UNIT DESIGNATION</u></th> <th colspan="2" style="text-align: right;"><u>STRENGTH</u></th> </tr> <tr> <th></th> <th style="text-align: right;"><u>AUTHORIZED</u></th> <th style="text-align: right;"><u>ACTUAL</u></th> </tr> </thead> <tbody> <tr> <td>NONE</td> <td></td> <td></td> </tr> </tbody> </table>			<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>			<u>AUTHORIZED</u>	<u>ACTUAL</u>	NONE																								
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13. MAJOR EQUIPMENT AND AIRCRAFT <table border="0" style="width: 100%;"> <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>AGGREGATE</td> <td style="text-align: right;"><u>2,351</u></td> <td style="text-align: right;"><u>1,491</u></td> </tr> <tr> <td>TOTALS</td> <td style="text-align: right;">2,351</td> <td style="text-align: right;">1,491</td> </tr> </tbody> </table>			<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>	AGGREGATE	<u>2,351</u>	<u>1,491</u>	TOTALS	2,351	1,491																						
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3. INSTALLATION AND LOCATION Barstow California		4. AREA CONSTRUCTION COST INDEX 1.23						
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES <div style="text-align: right; margin-right: 100px;">(\$000)</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>			A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
A. AIR POLLUTION	0							
B. WATER POLLUTION	0							
C. OCCUPATIONAL SAFETY AND HEALTH	0							

1. COMPONENT AR		FY 2019 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 15 DEC 2017	
3. INSTALLATION AND LOCATION Barstow California				4. PROJECT TITLE ECS Modified TEMF/ Warehouse		
5. PROGRAM ELEMENT 0532292A		6. CATEGORY CODE 21418	7. PROJECT NUMBER CAR 19-77268		8. PROJECT COST (\$000) Auth 34,000 Approp 34,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						26,697
21418 Area Maint Support Activity/ECS		m2 (SF)	3,819 (41,112)		4,614	(17,622)
44220 Gen Purp (GP) Warehouse, Hi-Bay		m2 (SF)	3,484 (37,500)		2,599	(9,053)
Sustainability/Energy Measures		LS	--		--	(22)
SUPPORTING FACILITIES						3,938
Electric Service		LS	--		--	(808)
Water, Sewer, Gas		LS	--		--	(516)
Paving, Walks, Curbs And Gutters		LS	--		--	(400)
Storm Drainage		LS	--		--	(575)
Site Imp(1,069) Demo(9)		LS	--		--	(1,078)
Information Systems		LS	--		--	(89)
Antiterrorism Measures		LS	--		--	(69)
Vehicle Wash Rack/Platform(s)		LS	--		--	(302)
Bi-Level Equipment Loading Ramp		LS	--		--	(101)
ESTIMATED CONTRACT COST						30,635
CONTINGENCY (5.00%)						1,532
SUBTOTAL						32,167
SUPV, INSP & OVERHEAD (5.70%)						1,833
TOTAL REQUEST						34,000
TOTAL REQUEST (ROUNDED)						34,000
TOTAL RELATED FURNITURE & EQUIP						(1,036)
10. Description of Proposed Construction Construct a Modified Tactical Equipment Maintenance Facility (TEMF) and General Purpose Warehouse in the vicinity of Barstow, CA for Equipment Concentration Site (ECS) 171. Supporting facilities include land clearing, utility connections, concrete aprons, gravel Privately-Owned Vehicle (POV) parking, two vehicle wash racks, equipment loading ramp and an overhead crane spanning work bays. 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 of 2 buildings at Barstow, CA (Total 1,301 m2/14,000 SF). Air Conditioning (Estimated 113 kW/32 Tons).						
11. REQ: 7,303 m2		ADQT: NONE		SUBSTD: 1,301 m2		
PROJECT: Construct a Modified TEMF and General Purpose Warehouse for ECS 171 in the vicinity of Barstow, CA. (Current Mission)						
REQUIREMENT: To be located at Barstow Marine Corps Logistics Base (MCLB), in support of Total Army Training Integration Mission, this project will provide 46 acres of land and a modified TEMF with standard 32'x96' drive-thru work bays (comprised of six 16'x32' work areas per bay), work bay safety aisle, commo/electronics shop, small arms repair/vault, equipment alcove, tool/parts/storage, flammable/controlled waste storage, fluid						

1. COMPONENT AR		FY 2019 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 15 DEC 2017	
3. INSTALLATION AND LOCATION Barstow California				4. PROJECT TITLE ECS Modified TEMF/ Warehouse		
5. PROGRAM ELEMENT 0532292A		6. CATEGORY CODE 21418	7. PROJECT NUMBER CAR 19-77268		8. PROJECT COST (\$000) Auth 34,000 Approp 34,000	
<u>REQUIREMENT: (CONTINUED)</u>						
distribution, battery room, classroom/break area/library, shop offices, restrooms/lockers, mechanical/telecom room, overhead crane, and concrete aprons for ECS 171. The project will also provide a high-bay general purpose warehouse with offices, restrooms, and storage racks. Vehicle wash rack/platform(s), bi-level equipment loading ramp, and adequate parking space for POV parking will also be provided. Gravel Military Equipment Park (MEP) lot requirement was provided for under the FY16 Minor Military Construction Army Reserve (MMCAR) project. No building demolition and/or temporary construction lease required, however the demolition of existing sidewalks, security fencing and a septic tank are required prior to construction. Upon project completion the 3,200 square foot temporary metal building will be returned to Marine Corps Logistics Base (MCLB), Barstow and the 10,800 square foot lease will be terminated.						
<u>CURRENT SITUATION:</u> ECS 171 is currently located in a temporary metal building, approximately 3,200 square feet, permitted to the Army Reserve by MCLB and a commercial lease facility approximately 10,800 square feet, costing \$96,000 per year, located off site in Barstow. The ECS includes seventy eight full-time automotive engineers positions including contractors; nine full-time administrative personnel, four electrical, four small arms repair technicians, sixty one mechanics, and 1,491 vehicles and equipment. The ECS provides support to 173 units, of which 72 units are within the 63rd RSC region and 53 units are from outside the region. 42 percent of all the equipment stored at ECS 171 comes from outside the 63rd RSC. The metal building consists of approximately 3,200 square feet with a utilization rate of 1,200 percent. It lacks an HVAC cooling system and smoke/fire detection sprinkler system. The storage yard at the temporary maintenance facility is at capacity with 406 pieces of rolling stock. The overflow yard is comprised of 46 acres with both fenced and unfenced areas. Fenced overflow is at capacity with 400 pieces of rolling stock and unfenced overflow has 145 pieces of rolling stock. For the future shop master plan, ECS 171 will be expanding to accommodate 2,351 military vehicles, hold overflow equipment for Fort Hunter Liggett and Fort Irwin annual training. The existing building does not have the capacity to house the unit personnel and equipment for the ECS 171 mission and lacking important administrative and vehicle support area. Terminate commercial lease and return permitted property to USMC upon project completion.						
<u>IMPACT IF NOT PROVIDED:</u> If the project is not provided, the Army Reserve will not be positioned to properly support Total Army Training Integration at the National Training Center Fort Irwin, CA. This ECS is used to stage equipment for units executing missions at NTC in support of Active Component exercises. This location is used to stage equipment for Army Reserve units in the greater California basin and surrounding states to reduce the maintenance requirements of units at Home Station. Without the required maintenance capability at the ECS there is greater risk that equipment will not be maintained to standard and will not be ready for units when they are called upon to mobilize and deploy.						
<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)						

1. COMPONENT AR	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 15 DEC 2017
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3. INSTALLATION AND LOCATION Barstow California	4. PROJECT TITLE ECS Modified TEMF/ Warehouse
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5. PROGRAM ELEMENT 0532292A	6. CATEGORY CODE 21418	7. PROJECT NUMBER CAR 19-77268	8. PROJECT COST (\$000) Auth 34,000 Approp 34,000
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ADDITIONAL: (CONTINUED)
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 2017
(b) Percent Complete as of January 2018.....	35
(c) Date 35% Designed.....	JAN 2018
(d) Date Design Complete.....	SEP 2018
(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):

(a) Production of Plans and Specifications.....	2,040
(b) All Other Design Costs.....	1,383
(c) Total Design Cost.....	3,423
(d) Contract.....	2,738
(e) In-house.....	685

(4) Construction Contract Award..... MAR 2019

(5) Construction Start..... APR 2019

(6) Construction Completion..... APR 2021

1. COMPONENT AR	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 15 DEC 2017
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3. INSTALLATION AND LOCATION Barstow California	4. PROJECT TITLE ECS Modified TEMF/ Warehouse
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5. PROGRAM ELEMENT 0532292A	6. CATEGORY CODE 21418	7. PROJECT NUMBER CAR 19-77268	8. PROJECT COST (\$000) Auth 34,000 Approp 34,000
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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	2020	280
Collateral Equipment	OMAR	2020	240
Warehouse Rack Systems	OMAR	2020	239
IDS	OPA	2020	37
Info Sys - ISC	OPA	2020	240
		Total	<u>1,036</u>

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

1. COMPONENT AR	FY 2019 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 15 DEC 2017		
3. INSTALLATION AND LOCATION Fort McCoy Wisconsin					4. AREA CONSTRUCTION COST INDEX 1.06		
5. FREQUENCY AND TYPE OF UTILIZATION							
Reservist - 4 weekends/month 7 nights/week							
Full-Time Personnel - 7 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>SCOPE</u>	<u>(\$000)</u>	<u>START</u>	<u>CMPL</u>		
72114	Transient Training Barracks	6,039 m2 (65,000 SF)	23,000	SEP 2017	SEP 2018		
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.				17 APR 2017 (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>SCOPE</u>	<u>(\$000)</u>				
72212	Transient Training Dining Facility	5,574 m2 (60,000 SF)	29,000				
72114	Transient Training Barracks (400 bed)	6,039 m2 (65,000 SF)	22,000				
72114	Transient Training Barracks (400 bed)	6,039 m2 (65,000 SF)	22,000				
72114	Transient Training Barracks (400 bed)	6,039 m2 (65,000 SF)	22,000				
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 20 JAN 2016							
	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	9,277	1,644	4,225	3,408	0	0	0
ACTUAL	9,277	1,644	4,225	3,408	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 2019 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 15 DEC 2017	
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 19-80690		8. PROJECT COST (\$000) Auth 23,000 Approp 23,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						15,665
72114 ORTC Transient Training Barracks		m2 (SF)	6,039 (65,000)		2,547	(15,379)
Sustainability/Energy Measures		LS	--		--	(286)
<u>SUPPORTING FACILITIES</u>						5,059
Electric Service		LS	--		--	(140)
Water, Sewer, Gas		LS	--		--	(184)
Paving, Walks, Curbs And Gutters		LS	--		--	(651)
Storm Drainage		LS	--		--	(370)
Site Imp(2,676) Demo(1,032)		LS	--		--	(3,708)
Information Systems		LS	--		--	(6)
ESTIMATED CONTRACT COST						20,724
CONTINGENCY (5.00%)						1,036
SUBTOTAL						21,760
SUPV, INSP & OVERHEAD (5.70%)						1,240
TOTAL REQUEST						23,000
TOTAL REQUEST (ROUNDED)						23,000
TOTAL RELATED FURNITURE & EQUIP						(5,074)
10. Description of Proposed Construction Construct a Transient Training (TT) Enlisted Barracks for Major Exercises, Annual Training, Battle Assembly, and Mobilization training at Fort McCoy, WI. This TT Enlisted Barracks floorplan will be based on the standard design Operational Readiness Training Complex (ORTC), but will be adapted to match Fort McCoy's current, standardized barracks floorplan (approved by the Barracks Center of Standardization). The Fort McCoy standard design barracks incorporates the contingency for lockable, fully functional modular bays. Each modular bay will include an 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 fluxuating, non-standardized numbers of transient units 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, Intrusion Detection System (IDS) 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. Antiterrorism/Force Protection (AT/FP) and physical security measures will be						

1. COMPONENT AR		FY 2019 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 15 DEC 2017	
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 19-80690		8. PROJECT COST (\$000) Auth 23,000 Approp 23,000	
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
<p>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 13 buildings at Fort McCoy, WI (Total 6,168 m2/66,390 SF).</p>						
<p>11. REQ: 6,039 m2 ADQT: NONE SUBSTD: 4,852 m2</p> <p>PROJECT: Construct an TT Enlisted Barracks based on the ORTC concept.(Current Mission)</p> <p>REQUIREMENT: This project will provide a permanently constructed barracks building to house 400 Soldiers during annual training or mobilization. Fort McCoy utilizes the Army's largest inventory of WWII Wood barracks, all of which are over 70 years old. 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. The time has come to plan, fund, and replace these buildings in an aggressive and regimented replacement cycle. The Army Reserve's MILCON program is not large enough to buy out large amounts of failed WWII wood quickly, so a replacement schedule for these facilities needs to be set in motion now. Development and faithful execution of a strong capital investment strategy will be the only mechanism to ensure new barracks are in place prior to the failure of the existing WWII wood. Thirteen failing WWII era wood barracks buildings totaling 66,390 SF will be demolished upon project completion.</p> <p>CURRENT SITUATION: Fort McCoy trains 139,000 Active and Army Reserve Soldiers annually. Fort McCoy has a requirement for over 2.5 Million square feet of TT Enlisted Barracks space. Currently, Fort McCoy utilizes 1.6 Million square feet of WWII wood barracks. This project will replace WWII Wood with permanent facilities. The existing facilities are very quickly moving to the end of their usable life cycle. Army Regulation 420-10 states that the Army considers WWII era temporary buildings as functionally inadequate and uneconomical as long-term solutions to mission requirements.</p> <p>IMPACT IF NOT PROVIDED: Fort McCoy is the only Mobilization Force Generation Installation (MFGI) utilizing 1.6 Million SF of WWII era wood barracks to meet its training 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.</p> <p>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.</p>						

1. COMPONENT AR	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 15 DEC 2017
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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 19-80690	8. PROJECT COST (\$000) Auth 23,000 Approp 23,000
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started	SEP 2017
(b) Percent Complete as of January 2018.....	35
(c) Date 35% Designed.....	JAN 2018
(d) Date Design Complete.....	SEP 2018
(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:
Fort McCoy

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

(a) Production of Plans and Specifications.....	1,380
(b) All Other Design Costs.....	602
(c) Total Design Cost.....	1,982
(d) Contract.....	1,586
(e) In-house.....	396

(4) Construction Contract Award..... MAR 2019

(5) Construction Start..... APR 2019

(6) Construction Completion..... APR 2021

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	2020	4,486
Barracks Collateral Equipment	OMAR	2020	487
Info Sys - ISC	OPA	2020	101
		Total	5,074

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

1. COMPONENT AR		FY 2019 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 15 DEC 2017	
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 19-82217		8. PROJECT COST (\$000) Approp 2,064	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						2,064
96200 Minor Construction Facilities		LS	--		--	(2,064)
SUPPORTING FACILITIES						
ESTIMATED CONTRACT COST						2,064
CONTINGENCY (0.00%)						0
SUBTOTAL						2,064
SUPV, INSP & OVERHEAD (.00%)						0
TOTAL REQUEST						2,064
TOTAL REQUEST (ROUNDED)						2,064
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 2019 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 15 DEC 2017
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 19-82218	8. PROJECT COST (\$000) Approp 5,855		
9. COST ESTIMATES					
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u> 96100 Planning and Design		LS	--	--	5,855 (5,855)
<u>SUPPORTING FACILITIES</u>					
ESTIMATED CONTRACT COST					5,855
CONTINGENCY (0.00%)					0
SUBTOTAL					5,855
SUPV, INSP & OVERHEAD (.00%)					0
TOTAL REQUEST					5,855
TOTAL REQUEST (ROUNDED)					5,855
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					
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 20 and FY 21.					