



***Department of the Army
Fiscal Year (FY) 2022
President's Budget
Submission***

**Military Construction, Army
Army Family Housing & Homeowners
Assistance Fund, Defense**

JUSTIFICATION DATA SUBMITTED TO CONGRESS

May 2021

The estimated cost of this report for the Department of Defense is approximately \$113,282.00 for Fiscal Year 2021. This includes \$61,282.00 in expenses and \$52,000.00 in DoD Labor.

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TABLE OF CONTENTS

TAB DESCRIPTION --- -----	PAGE NUMBER -----
Part I - MCA	
1. TABLE OF CONTENTS.....	i
2. STATE LIST.....	iii
3. COMMAND SUMMARY.....	vii
4. BUDGET APPENDIX EXTRACT.....	ix
BUDGET SUMMARY.....	ix
DIRECT WAR AND ENDURING COSTS.....	xi
APPROPRIATION LANGUAGE.....	xiv
5. SPECIAL PROGRAM CONSIDERATIONS.....	xi
6. INSIDE THE UNITED STATES.....	1
Alabama.....	1
California.....	9
Georgia.....	17
Hawaii.....	25
Louisiana.....	33
Maryland.....	41
New York.....	49
Pennsylvania.....	63
South Carolina.....	71
7. OUTSIDE THE UNITED STATES.....	79
Belgium.....	79
Germany.....	85
8. WORLDWIDE.....	99
Worldwide Various.....	99

Part IA - HOST COUNTRY KOREA

Part IB - HOST COUNTRY POLAND

Part II - AFH

Part III - HOMEOWNERS ASSISTANCE

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DEPARTMENT OF THE ARMY
FISCAL YEAR 2022
MILITARY CONSTRUCTION (Part I)
(DOLLARS ARE IN THOUSANDS)
INSIDE THE UNITED STATES

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE -----
Alabama	51899	Redstone Arsenal (IMCOM) Propulsion Systems Lab	55,000	55,000	C	3 5
		Subtotal Redstone Arsenal Part I	\$ 55,000	55,000		
		* TOTAL MCA FOR Alabama	\$ 55,000	55,000		
California	86097	Fort Irwin (IMCOM) Simulations Center	52,000	52,000	C	11 13
		Subtotal Fort Irwin Part I	\$ 52,000	52,000		
		* TOTAL MCA FOR California	\$ 52,000	52,000		
Georgia	97150	Fort Gordon (IMCOM) Cyber Instructional Fac (Admin/Cmd), Incr2	0	69,000	N	19 21
		Subtotal Fort Gordon Part I	\$ 0	69,000		
		* TOTAL MCA FOR Georgia	\$ 0	69,000		
Hawaii	80133	West Loch Nav Mag Annex (IMCOM) Ammunition Storage	51,000	51,000	C	27 29
		Subtotal West Loch Nav Mag Annex Part I	\$ 51,000	51,000		
		* TOTAL MCA FOR Hawaii	\$ 51,000	51,000		
Louisiana	85255	Fort Polk (IMCOM) Joint Operations Center	55,000	55,000	C	35 37
		Subtotal Fort Polk Part I	\$ 55,000	55,000		
		* TOTAL MCA FOR Louisiana	\$ 55,000	55,000		

DEPARTMENT OF THE ARMY
FISCAL YEAR 2022
MILITARY CONSTRUCTION (Part I)
(DOLLARS ARE IN THOUSANDS)
INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE
Maryland	87647	Fort Meade (IMCOM) Barracks	81,000	81,000	C	43 45
		Subtotal Fort Meade Part I	\$ 81,000	81,000		
		* TOTAL MCA FOR Maryland	\$ 81,000	81,000		
New York	61484	Fort Hamilton (IMCOM) Information Systems Facility	26,000	26,000	C	51 53
		Subtotal Fort Hamilton Part I	\$ 26,000	26,000		
	72205	Watervliet Arsenal (AMC) Access Control Point	20,000	20,000	C	57 59
		Subtotal Watervliet Arsenal Part I	\$ 20,000	20,000		
		* TOTAL MCA FOR New York	\$ 46,000	46,000		
Pennsylvania	85904	Letterkenny Army Depot (AMC) Fire Station	21,000	21,000	C	65 67
		Subtotal Letterkenny Army Depot Part I	\$ 21,000	21,000		
		* TOTAL MCA FOR Pennsylvania	\$ 21,000	21,000		
South Carolina	95838	Fort Jackson (IMCOM) Reception Barracks Complex, Ph2, Incr2	0	34,000	C	73 75
		Subtotal Fort Jackson Part I	\$ 0	34,000		
		* TOTAL MCA FOR South Carolina	\$ 0	34,000		
		** TOTAL INSIDE THE UNITED STATES FOR MCA	\$ 361,000	464,000		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2022
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)
 OUTSIDE THE UNITED STATES

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST -----	NEW/ CURRENT MISSION	PAGE -----
Belgium		Belgium Various (IMCOM)				81
		SHAPE Headquarters				
	99293	Command and Control Facility	16,000	16,000	C	83
		Subtotal Belgium Various Part I	\$ 16,000	16,000		
		* TOTAL MCA FOR Belgium	\$ 16,000	16,000		
Germany		Germany Various (IMCOM)				87
		East Camp Grafenwoehr				
	93790	EDI: Barracks and Dining Facility	103,000	103,000	C	89
		Smith Barracks				
	90879	Live Fire Exercise Shootouse	16,000	16,000	C	92
	90880	Indoor Small Arms Range	17,500	17,500	C	95
		Subtotal Germany Various Part I	\$ 136,500	136,500		
		* TOTAL MCA FOR Germany	\$ 136,500	136,500		
		** TOTAL OUTSIDE THE UNITED STATES FOR MCA	\$ 152,500	152,500		

DEPARTMENT OF THE ARMY
FISCAL YEAR 2022
MILITARY CONSTRUCTION (Part I)
(DOLLARS ARE IN THOUSANDS)
WORLDWIDE

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	NEW/ APPROPRIATION CURRENT REQUEST MISSION -----	PAGE -----
Worldwide	Various	Classified Worldwide Location (WORLDWD)			
	81995	Forward Operating Site	31,000	31,000 C	101
		Subtotal Classified Worldwide Location Part I	\$ 31,000	31,000	
		Planning and Design (PLANDES)			
		Planning and Design Host Nation			
	89113	Host Nation Support	0	27,000	105
	89112	Planning and Design	0	124,649	107
		Subtotal Planning and Design Part I	\$ 0	151,649	
		Minor Construction (MINOR)			
	89110	Minor Construction	0	35,543	109
		Subtotal Minor Construction Part I	\$ 0	35,543	
		* TOTAL MCA FOR Worldwide Various	\$ 31,000	218,192	
		** TOTAL WORLDWIDE FOR MCA	\$ 31,000	218,192	
		MILITARY CONSTRUCTION (PART I) TOTAL	\$ 544,500	834,692	
		Total Cost of New Mission Projects	(1) \$	69,000	
		Total Cost of Current Mission projects	(14) \$	578,500	
		Total Cost of other line items	(3) \$	187,192	
		Total Cost of FY 2022 MCA Projects	(18) \$	834,692	

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (Part I) FY 2022

COMMAND SUMMARY

MAJOR ARMY COMMAND NAME -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST -----
<u>INSIDE THE UNITED STATES</u>		
US Army Installation Management Command	320,000	423,000
US Army Materiel Command	41,000	41,000
<u>OUTSIDE THE UNITED STATES</u>		
US Army Installation Management Command	152,500	152,500
<u>WORLDWIDE</u>		
Military Construction, Army Minor	0	35,543
Planning and Design	0	151,649
Various US Army Major Commands-Worldwide	31,000	31,000
TOTAL	544,500	834,692

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MILITARY CONSTRUCTION, ARMY

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

<u>FISCAL YEAR</u>	<u>MILITARY CONSTRUCTION, ARMY APPROPRIATIONS (\$)</u>
2022	\$ 834,692,000

1. Major Construction. The MCA major construction program is one of the most visible means of improving the working and living conditions of Army personnel. This program provides for military construction projects in the United States and overseas as authorized in currently effective Military Construction Acts and in this year's request for Authorizations and Appropriations.

This request funds the Army's most critical facility needs that support readiness both within the United States and overseas. The Army's military construction investment focuses on support of Combatant Commander's requirements; mission readiness; soldier and family readiness; installation capacity for energy and water security/resilience.

2. Minor Construction. Provision is made for construction of future unspecified projects that have not been individually authorized by law but are determined to be urgent requirements and do not cost more than the amounts specified in 10 U.S.C. 2805. Projects awarded with these funds must cost more than \$2,000,000 and may not exceed \$6 million. If located in the United States, or its territories, commonwealths, and possessions, the cost may be adjusted according to DoD's published local construction cost index not to exceed \$10,000,000. The funded cost limit is \$6 million if the project is intended for the revitalization or recapitalization of laboratories under the jurisdiction of the Army.

3. Planning & Design. This provides for the necessary pre-award activities for military construction projects including surveys, studies, maintaining standards and criteria, design and cost estimates, and other related activities. This program also provides for host nation support design and construction management. In general, design funds requested in Fiscal Year 2022 will be used to design projects in the Army's Fiscal Year 2023 and 2024 programs. All new construction projects are designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Compliance shall be to the extent project funds and technology allows. On-site renewable energy requirements may be met on an installation-wide or program-wide basis.

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FY2022 Military Construction Program

Direct War and Enduring Costs

Requirement

The Department of the Army supports the President's European Deterrence Initiative (EDI) to help increase the capability of U.S. allies and partners. A key enabler for contingency options is sufficiently robust infrastructure at key locations to support military activities.

The FY2022 Direct War and Enduring Costs accounted for in this budget are as follows:

- There are no Direct War costs accounted for in the Base Budget.
- Enduring costs accounted for in the Base Budget is \$121,285,000: Enduring Requirements are enduring in theater and in CONUS costs that will likely remain after combat operations cease, and have been previously been funded in OCO.

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Department of Defense

MILITARY CONSTRUCTION, ARMY

Fiscal Year 2022

MILITARY CONSTRUCTION, ARMY

For acquisition, construction, installation, and equipment of temporary or permanent public works, military installations, facilities, and real property for the Army as currently authorized by law, including personnel in the Army Corps of Engineers and other personal services necessary for the purposes of this appropriation, and for construction and operation of facilities in support of the functions of the Commander in Chief, \$834,692,000 to remain available until September 30, 2026: Provided, that of this amount, not to exceed \$151,649,000 shall be available for study, planning, design, architect and engineer services, and host nation support, as authorized by law, unless the Secretary of Army 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.

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Items of Interest-Authorizing Committees**Incremental and Phased Projects**

On page 537 (of the Senate Report 110-77, NDAA 2008), the Committee requested that the military departments include on each project justification document (the DD Form 1391), the entire cost of the requirement as well as the cost, by fiscal year, of each past and future phase or increment, in a table format. The Army has provided this information, as requested on all phased or incrementally funded projects in the FY 2020 Budget Request. The following phased or incrementally funded projects are:

<u>ST</u>	<u>Location</u>	<u>Description</u>
GA	Fort Gordon	Cyber Instructional Fac (Admin/Command), Incr2
SC	Fort Jackson	Reception Barracks Complex, Ph2, Incr2

SEC. 210X. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2021 PROJECT.

(a) MODIFICATION OF PROJECT AUTHORITY.—In the case of the authorization contained in the table in section 2101(a) of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283; 134 Stat. xxxx) for Fort Wainwright, Alaska, for construction of Unaccompanied Enlisted Personnel Housing, as specified in the funding table in section 4601 of such Act (134 Stat. xxxx), the Secretary of the Army may construct an Unaccompanied Enlisted Personnel Housing building of 104,300 square feet to incorporate a modified standard design, and may construct an outdoor recreational shelter, sports fields and courts, barbecue and leisure area, and fitness stations associated with the Unaccompanied Enlisted Personnel Housing.

(b) MODIFICATION OF PROJECT AMOUNTS. —

(1) DIVISION B TABLE.—The authorization table in section 2101(a) of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283; 134 Stat. xxxx) is amended in the item relating to Fort Wainwright, Alaska, by striking “\$114,000,000” and inserting “\$146,000,000”(?) to reflect the project modification made by subsection (a).

(2) DIVISION D TABLE.—The funding table in section 4601 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116-283; 134 Stat. xxxx) is amended in the item relating to Fort Wainwright, Unaccompanied Enlisted Personnel Housing, by striking “\$59,000” in the Conference Authorized column and inserting “\$91,000” to reflect the project modification made by subsection (a).

[Modification increases size of UEPH and adds ancillary facilities]

SEC. 210X. ADDITIONAL AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2022 PROJECT.

(a) PROJECT AUTHORIZATION.—The Secretary of the Army may carry out a military construction project to construct a 6,000 square foot recycling center to meet the requirements of a qualified recycling program at Aberdeen Proving Ground, Maryland, in the amount of \$3,600,000.

(b) USE OF LEASE PAYMENT FUNDS.—The Secretary may use funds generated pursuant to section 2667 of title 10, United States Code, in addition to funds appropriated for unspecified minor military construction for the project described in subsection (a).

SEC. 23XX. EXTENSION OF AUTHORIZATION OF CERTAIN FISCAL YEAR 2017 PROJECT.

(a) EXTENSION.—Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal Year 2017 (division B of Public Law 114-328; 130 Stat. 2688), the authorization set forth in the table in subsection (b), as provided in section 2101 of that Act (130 Stat. 2689), shall remain in effect until October 1, 2022, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2023, whichever is later.

(b) TABLE.—The table referred to in subsection (a) is as follows:

Army: Extension of 2017 Project Authorization

Country	Installation or Location	Project	Project Amount
Germany	Wiesbaden Army Airfield	Hazardous Material Storage Building	\$2,700,000

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2022
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE -----
Alabama	51899	Redstone Arsenal (IMCOM) Propulsion Systems Lab	55,000	55,000	C	3 5
		Subtotal Redstone Arsenal Part I	\$ 55,000	55,000		
		* TOTAL MCA FOR Alabama	\$ 55,000	55,000		

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1. COMPONENT ARMY		FY 2022 MILITARY CONSTRUCTION PROGRAM							2. DATE 10 MAY 2021			
3. INSTALLATION AND LOCATION Redstone Arsenal Alabama			4. COMMAND US Army Installation Management Command					5. AREA CONSTRUCTION COST INDEX 0.83				
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL		
A. AS OF 31 OCT 2020		438	280	10566	52	0	0	97	33	33236	44,702	
B. END FY 2026		410	285	10663	52	0	0	97	33	32810	44,350	
7. INVENTORY DATA (\$000)												
A. TOTAL AREA.....		15,470 ha		(38,228 AC)								
B. INVENTORY TOTAL AS OF 30 SEP 2020.....							8,249,740					
C. AUTHORIZATION NOT YET IN INVENTORY.....							199,199					
D. AUTHORIZATION REQUESTED IN THE FY 2022 PROGRAM.....							55,000					
E. AUTHORIZATION INCLUDED IN THE FY 2023 PROGRAM.....							0					
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0					
G. REMAINING DEFICIENCY.....							330,074					
H. GRAND TOTAL.....							8,834,013					
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2022 PROGRAM:												
CAT							COST	DESIGN STATUS				
CODE	PROJECT TITLE				SCOPE/UM		(\$000)	START	COMPLETE			
31610	Propulsion Systems Lab				25,498.00/SF(2368.84/m2)		55,000	04/2019	11/2021			
						TOTAL	55,000					
9. FUTURE PROJECT APPROPRIATIONS:												
CATEGORY							COST					
CODE	PROJECT TITLE						(\$000)					
A. INCLUDED IN THE FY 2023 PROGRAM:							NONE					
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY):							NONE					
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):							802,814					
10. MISSION OR MAJOR FUNCTIONS:												
<p>Headquarters of the U.S. Army Materiel Command, U.S. Army Aviation and Missile Command, the principle commodity center for the research, development, and acquisition effort on aviation systems, rockets, guided missiles and related systems and equipment. Home of the Aviation and Missile Research Development and Engineering Center (AMRDEC). Home of the U.S. Army Test, Measurement and Diagnostic Equipment (TMDE) Support Group. Home of three U.S. Army Program Executive Offices (PEOs) responsible for Air, Space, and Missile Defense, Aviation, and Tactical Missiles. Home of the Ground-Based Midcourse Defense Joint Program Office. Home of the Space and Missile Defense Command which is the Army's proponent for Space and its integrator for Missile Defense. Home of the Redstone Technical Test Center (RTTC) which provides planning and conducting technical tests of aviation, rocket, and missile systems. Home of the Ordnance Munitions and Electronics Maintenance School (OMEMS) which trains Soldiers for systems such as Javelin, Avenger, Patriot, and Linebacker, as well as electronics maintenance and munitions training. Also home to the Defense Intelligence Agency's Missile and Space Intelligence Center which provides analyses of foreign threat missile systems.</p>												
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:												
						(\$000)						
A. AIR POLLUTION							0					
B. WATER POLLUTION							0					
C. OCCUPATIONAL SAFETY AND HEALTH							0					

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1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Redstone Arsenal Alabama				4. PROJECT TITLE Propulsion Systems Lab		
5. PROGRAM ELEMENT 72896A		6. CATEGORY CODE 31610	7. PROJECT NUMBER 51899		8. PROJECT COST (\$000) Approp 55,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						44,269
31610 Bldg 7310		m2 (SF)	2,369 (25,498)		3,950	(9,358)
37110 RDT&E Range Maintenance Storage		m2 (SF)	464.52 (5,000)		6,650	(3,089)
31820 Static Engine Test Facilities		m2 (SF)	738.58 (7,950)		5,111	(3,775)
31820 Intentional Detonation Range Fac		m2 (SF)	301.47 (3,245)		3,101	(935)
39069 Rocket Motor Segment/Disassembly		m2 (SF)	445.93 (4,800)		8,871	(3,956)
Total from Continuation page(s)						(23,156)
SUPPORTING FACILITIES						5,643
Electric Service		LS	--		--	(709)
Water, Sewer, Gas		LS	--		--	(218)
Paving, Walks, Curbs And Gutters		LS	--		--	(763)
Site Imp(1,512) Demo(1,056)		LS	--		--	(2,568)
Information Systems		LS	--		--	(1,385)
ESTIMATED CONTRACT COST						49,912
CONTINGENCY (5.00%)						2,496
SUBTOTAL						52,408
SUPV, INSP & OVERHEAD (5.70%)						2,987
TOTAL REQUEST						55,395
TOTAL REQUEST (ROUNDED)						55,000
INSTALLED EQT-OTHER APPROP						(3,046)
10. Description of Proposed Construction Construct a Propulsion Systems Laboratory. Project includes new propulsion test bays in Building 7310, a Research, Development, Test and Evaluation (RDTE) range maintenance storage building, static engine test facilities, intentional detonation range facilities improvements, a large rocket motor segmenting/disassembly facility, modernize and renovate propulsion systems support facilities, weatherproofing magazines and earth work for earth covered magazines, building information systems, mass notification system, cyber security measures, and Energy Monitoring and Control Systems connections. Supporting Facilities include site development, utilities, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by self-contained systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Demolish 1 building at Redstone Arsenal, AL (Total 253 m2/2,728 SF). Air Conditioning (Estimated 264 kW/75 Tons).						
11. REQ: 30,248 m2		ADQT: 16,352 m2		SUBSTD: 13,195 m2		

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Redstone Arsenal Alabama	4. PROJECT TITLE Propulsion Systems Lab
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5. PROGRAM ELEMENT 72896A	6. CATEGORY CODE 31610	7. PROJECT NUMBER 51899	8. PROJECT COST (\$000) Approp 55,000
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9. COST ESTIMATES (CONTINUED)					
ITEM	UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
<u>PRIMARY FACILITY (CONTINUED)</u>					
22680 Modernize Propulsion Sys Facs	m2 (SF)	3,675 (39,556)	5,684	(20,890)
42280 Weatherproof Magazines	m2 (SF)	2,588 (27,861)	518.61	(1,342)
00000 Cyber Security Measures	LS	--	--	--	(500)
89220 EMCS Connection	LS	--	--	--	(183)
Sustainability/Energy Measures	LS	--	--	--	(241)
				Total	23,156

PROJECT: Construct a Propulsion Systems Laboratory at Redstone Arsenal, Alabama.
(Current Mission)

REQUIREMENT: This project is required to relocate the propulsion research and testing activities from the Redstone Road area to a secure testing site within test area 10. This project supports research, testing and development of propulsion systems, rockets, energetic propellants for guided missiles, and unmanned aerial system engines on Redstone Arsenal. Propulsion research supports Army, Navy, and Air Force systems, throughout the procurement cycle. Programs include the Patriot, Sparrow, Javelin, Tube-Launched, Optically Tracked, Wireless-Guided (TOW), Hellfire, Guided Multi-Launched Rocket System (GMLRS), Advanced Precision Kill Weapon System (APKWS). The Research, Development, Testing, and Evaluation (RDT&E) mission is critical to military readiness of the DoD. It is the only propulsion RDT&E site for the U.S. Army. Results of the research and testing within this organization have been introduced into active munitions, extending life and enhancing the lethality of several systems in inventory. New construction will include new propulsion test bays onto existing building 7310, demolition of existing bays in Redstone Road Building 7120 and several other support structures in the 7120 complex, modernization of several support structures, construction RDT&E, and General Purpose storage space and demolition of building 7340 and 7352 inside test area 10.

CURRENT SITUATION: Currently research and testing operations are being carried out in the Propulsion Lab on the South end of Redstone Arsenal immediately adjacent to Redstone Rd, a major highway and access point to the Garrison. Energetic operations are ongoing adjacent to the highway in building 7120, which is currently inside the explosive arc. Testing is operating under a Department of Defense Explosives Safety Board (DDESB) waiver and restricted to operating at reduced Net Explosive Weights (NEW) due to the location of the testing site and its proximity to other activities not associated with mission.

IMPACT IF NOT PROVIDED: If this project is not provided the RDTE mission for this critical missile support will continue to be stifled due to the limitations imposed by its current location and operations under DDESB waivers. This is an expanding mission and its movement to a secure area without explosive safety constraints is essential.

ADDITIONAL: Utility connections are required to a privatized wastewater system. The Army intends to have the wastewater Utilities Privatization System Owner make and own the necessary connections up to the facility service disconnect or other defined point of demarcation. Utility connections are required to electric, water and natural gas systems. In the event of a future Utilities Privatization (UP) action, the Army intends to have the electric, water and natural gas UP System Owner make and own the necessary connection supply to the facility disconnect or other defined point of demarcation. Required

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Redstone Arsenal Alabama	4. PROJECT TITLE Propulsion Systems Lab
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5. PROGRAM ELEMENT 72896A	6. CATEGORY CODE 31610	7. PROJECT NUMBER 51899	8. PROJECT COST (\$000) Approp 55,000
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ADDITIONAL: (CONTINUED)
assessments have been made for supporting facilities and the project is in a 100-year floodplain in accordance with Executive Order 11988. Mitigating measures have been incorporated in the project to minimize risk due to being in the floodplain. 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. Mission requirements, operational considerations, and location are incompatible with use by other components. 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..... APR 2019
 - (b) Percent Complete as of January 2021..... 35.00
 - (c) Date 35% Designed..... NOV 2020
 - (d) Date Design Complete..... NOV 2021
 - (e) Parametric Cost Estimating Used to Develop Costs.. NO
 - (f) Type of Design Contract: Design-bid-build
 - (g) An energy study and life cycle cost analysis will be documented during the final design.

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

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 3,114
 - (b) All Other Design Costs..... 778
 - (c) Total Design Cost..... 3,892
 - (d) Contract..... 3,114
 - (e) In-house..... 778

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

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

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

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Redstone Arsenal Alabama	4. PROJECT TITLE Propulsion Systems Lab
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5. PROGRAM ELEMENT 72896A	6. CATEGORY CODE 31610	7. PROJECT NUMBER 51899	8. PROJECT COST (\$000) Approp 55,000
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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>
Industrial Air Compressor BLDG	OPA	Future Request	101
Two (2) One gallon mixers BLDG	OPA	Future Request	111
Four (4) One pint mixers BLDG	OPA	Future Request	160
5 gallon mixer BLDG 7688	OPA	Future Request	99
Two (2) Observation Cameras BL	OPA	Future Request	34
2-ton crane BLDG 7688	OPA	Future Request	57
Two (2) Curing ovens BLDG 7308	OPA	Future Request	344
Large air compressor BLDG 7695	OPA	Future Request	101
10 ton crane BLDG 7353	OPA	Future Request	115
5-ton crane BLDG 7309	OPA	Future Request	62
Five (5) 1-ton mono-rail hoist	OPA	Future Request	86
Indus Air Compr Lg Rkt Motor D	OPA	Future Request	112
2-ton crane BLDG 7310	OPA	Future Request	34
2-ton crane - Rocket Motor Ass	OPA	Future Request	34
10-Tn Gantry Crane Lg Rkt Moto	OPA	Future Request	115
10-Ton Crane Building 7339	OPA	Future Request	126
Two (2) 5-ton cranes BLDG 7349	OPA	Future Request	132
Two (2) 2-ton cranes BLDG 7349	OPA	Future Request	80
2-ton crane BLDG 7688	OPA	Future Request	34
2-ton crane BLDG 7689	OPA	Future Request	34
5-ton crane BLDG 7691	OPA	Future Request	62
1-ton crane BLDG 7691	OPA	Future Request	23
2-ton crane BLDG 7694	OPA	Future Request	34
Industrial Air Compressor BLDG	OPA	Future Request	112
Industrial Air Compressor BLDG	OPA	Future Request	112
2-ton mono-rail crane BLDG 735	OPA	Future Request	34
5-ton crane BLDG 7358	OPA	Future Request	62
Info Sys - ISC	OPA	Future Request	409
Info Sys - PROP	OPA	Future Request	227
		Total	3,046

Installation Engineer: Phone Number: 256-842-3702

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2022
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE -----
California		Fort Irwin (IMCOM)				11
	86097	Simulations Center	52,000	52,000	C	13
		Subtotal Fort Irwin Part I	\$ 52,000	52,000		
		* TOTAL MCA FOR California	\$ 52,000	52,000		

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1. COMPONENT ARMY		FY 2022 MILITARY CONSTRUCTION PROGRAM							2. DATE 10 MAY 2021			
3. INSTALLATION AND LOCATION Fort Irwin California			4. COMMAND US Army Installation Management Command					5. AREA CONSTRUCTION COST INDEX 1.24				
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL		
A. AS OF 31 OCT 2020		777	3594	1074	0	0	0	1909	4456	3019	14,829	
B. END FY 2026		779	3533	1064	0	0	0	1918	4488	3040	14,822	
7. INVENTORY DATA (\$000)												
A. TOTAL AREA.....		51,590 ha		(127,481 AC)								
B. INVENTORY TOTAL AS OF 31 MAR 2021.....							5,562,345					
C. AUTHORIZATION NOT YET IN INVENTORY.....							519,910					
D. AUTHORIZATION REQUESTED IN THE FY 2022 PROGRAM.....							52,000					
E. AUTHORIZATION INCLUDED IN THE FY 2023 PROGRAM.....							0					
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0					
G. REMAINING DEFICIENCY.....							1,898,123					
H. GRAND TOTAL.....							8,032,378					
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2022 PROGRAM:												
CAT							COST		DESIGN STATUS			
CODE		PROJECT TITLE			SCOPE/UM			(\$000)		START COMPLETE		
17213		Simulations Center			70,000.00/SF(6503.21/m2)			52,000		05/2019 12/2021		
							TOTAL		52,000			
9. FUTURE PROJECT APPROPRIATIONS:												
CATEGORY							COST					
CODE		PROJECT TITLE						(\$000)				
A. INCLUDED IN THE FY 2023 PROGRAM:							NONE					
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY):							NONE					
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):							539,486					
10. MISSION OR MAJOR FUNCTIONS:												
The mission of the National Training Center (NTC) and Fort Irwin is to provide tough, realistic, combined arms and services joint training for brigades and regiments in a mid - to high - intensity environment, while retaining the training feedback and analysis focus at battalion/task force level. It also provides a data source for training, doctrine, organization, and equipment improvements.												
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:												
							(\$000)					
A. AIR POLLUTION							0					
B. WATER POLLUTION							0					
C. OCCUPATIONAL SAFETY AND HEALTH							0					

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1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Fort Irwin California				4. PROJECT TITLE Simulations Center		
5. PROGRAM ELEMENT 22212A		6. CATEGORY CODE 17213	7. PROJECT NUMBER 86097		8. PROJECT COST (\$000) Approp 52,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						43,169
17213 Mission Command Training Center		m2 (SF)	6,503 (70,000)		6,308	(41,021)
85211 Tactical Ops Center (TOC) Pads		m2 (SF)	2,276 (24,500)		155.43	(354)
00000 Cyber Security Measures		EA	4 --		250,000	(1,000)
Sustainability/Energy Measures		LS	--		--	(794)
<u>SUPPORTING FACILITIES</u>						3,371
Electric Service		LS	--		--	(840)
Water, Sewer, Gas		LS	--		--	(175)
Paving, Walks, Curbs And Gutters		LS	--		--	(1,605)
Site Imp(138) Demo(255)		LS	--		--	(393)
Information Systems		LS	--		--	(358)
ESTIMATED CONTRACT COST						46,540
CONTINGENCY (5.00%)						2,327
SUBTOTAL						48,867
SUPV, INSP & OVERHEAD (5.70%)						2,785
TOTAL REQUEST						51,652
TOTAL REQUEST (ROUNDED)						52,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct a Simulations Center (Sim Center). Project includes a Mission Command Training Center, Tactical Operations Center (TOC) Pads, and building information systems. The Sim Center will provide flexible workstations, conference rooms, space for multipurpose training and instruction, video teleconferencing centers, After Action Review (AAR) facilities, a network operations center, simulation and command, control, communications, computers, and intelligence (C4I) technical control areas, and general supply and storage, and the companion Leader Training Program (LTP) portion to include offices for rotating brigade and battalion command staff, rehearsal rooms, warfighting breakout conference rooms, secure storage, rotational training unit storage, a Secret Internet Protocol Router (SIPR) cafe, break areas, bathrooms/showers, and administrative support space. The Sim Center will possess a Sensitive Compartmented Information Facility (SCIF) capability. The TOC will provide pop-ups to which units will be able to connect with counterparts in field exercises and an area reserved for an antenna farm. Supporting Facilities will include organizational vehicle and tactical vehicle parking, as well as site preparation, Low Impact Development (LID) principals, a stormwater retention basin, fire hydrants & piping, water and sanitary sewer connections, electrical power, parking lot lighting with photovoltaics mounted overhead, data and communications connections, utilities, paving, walks, curbs and gutters, information systems, landscaping and signage, and antiterrorism/force protection measures. Heating and air conditioning will be provided by self-contained systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are						

1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Fort Irwin California				4. PROJECT TITLE Simulations Center		
5. PROGRAM ELEMENT 22212A		6. CATEGORY CODE 17213	7. PROJECT NUMBER 86097		8. PROJECT COST (\$000) Approp 52,000	
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
<p>required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Air Conditioning (Estimated 844 kW_r/240 Tons).</p>						
<p>11. REQ: 8,201 m2 ADQT: NONE SUBSTD: 2,636 m2 PROJECT: Construct a Simulations Center at Fort Irwin, California. (Current Mission). REQUIREMENT: This project is required to support the National Training Center (NTC). It is considered the premier training facility for the Army. Each month a new Rotational Training Unit (RTU) rolls into Fort Irwin to acquire their Brigade Combat Team (BCT) training through tough, realistic land operations with their unified action partners to prepare the BCTs and other units for combat while taking care of Soldiers, their families, and civilians. CURRENT SITUATION: Utilizing existing outdated, obsolete and energy inefficient facilities, the NTC has limited capabilities to provide RTUs with required support for integrated live, virtual, and constructive simulation training. Simulation training (Simulations Center) is currently being conducted in a large tent structure covered with blown insulation while the Leader Training Program (LTP) training is being conducted in a dilapidated semi-permanent structure constructed in the 1980's. It was damaged by flooding in 2013 and is in dire need of new modernization to provide the BCT's the level of training expected in this new age of warfare. IMPACT IF NOT PROVIDED: If the project is not provided, the Army's ability to provide Rotational Training Units with needed training to leverage and merge live training resources with constructive simulation training as units of Brigade Combat Teams will continue to be impacted. ADDITIONAL: Utility connections are required to a privatized electric, water, and wastewater systems. The Army intends to have the electric, water, and wastewater Utilities Privatization System Owners make and own the necessary connections up to the facility service disconnect or other defined point of demarcation. Utility connections are required to natural gas systems. In the event of a future Utilities Privatization (UP) action, the Army intends to have the natural gas UP System Owner make and own the necessary connection supply to the facility disconnect or other defined point of demarcation. 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. 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 Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Fort Irwin California	4. PROJECT TITLE Simulations Center
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5. PROGRAM ELEMENT 22212A	6. CATEGORY CODE 17213	7. PROJECT NUMBER 86097	8. PROJECT COST (\$000) Approp 52,000
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started.....	MAY 2019
(b) Percent Complete as of January 2021.....	65.00
(c) Date 35% Designed.....	JUL 2020
(d) Date Design Complete.....	DEC 2021
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: NO

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

(a) Production of Plans and Specifications.....	2,978
(b) All Other Design Costs.....	745
(c) Total Design Cost.....	3,723
(d) Contract.....	3,723
(e) In-house.....	0

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

(5) Construction Start..... AUG 2022

(6) Construction Completion..... JUL 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>
	NA		

Installation Engineer: Phone Number: 760.380.3543

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2022
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE -----
Georgia	97150	Fort Gordon (IMCOM) Cyber Instructional Fac (Admin/Cmd), Incr2	0	69,000	N	19 21
		Subtotal Fort Gordon Part I	\$ 0	69,000		
		* TOTAL MCA FOR Georgia	\$ 0	69,000		

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1. COMPONENT ARMY		FY 2022 MILITARY CONSTRUCTION PROGRAM								2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Fort Gordon Georgia				4. COMMAND US Army Installation Management Command						5. AREA CONSTRUCTION COST INDEX 0.91	
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 31 OCT 2020		2090	5308	3571	917	4603	3	535	2627	10988	30,642
B. END FY 2026		1974	5406	3598	830	5473	19	592	3533	10424	31,849
7. INVENTORY DATA (\$000)											
A. TOTAL AREA.....		23,131 ha		(57,157 AC)							
B. INVENTORY TOTAL AS OF 31 MAR 2021.....							6,402,145				
C. AUTHORIZATION NOT YET IN INVENTORY.....							737,497				
D. AUTHORIZATION REQUESTED IN THE FY 2022 PROGRAM.....							0				
E. AUTHORIZATION INCLUDED IN THE FY 2023 PROGRAM.....							0				
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0				
G. REMAINING DEFICIENCY.....							1,640,186				
H. GRAND TOTAL.....							8,779,828				
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2022 PROGRAM:											
CAT							COST		DESIGN STATUS		
CODE	PROJECT TITLE	SCOPE/UM			(\$000)		START	COMPLETE			
17136	Cyber Instructional Fac (Admin/Cmd), Inc	235,367.00/SF(21866.30/m2)			69,000		11/2017	02/2020			
						TOTAL		69,000			
9. FUTURE PROJECT APPROPRIATIONS:											
CATEGORY							COST				
CODE	PROJECT TITLE						(\$000)				
A. INCLUDED IN THE FY 2023 PROGRAM: NONE											
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE											
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):							567,913				
10. MISSION OR MAJOR FUNCTIONS:											
Fort Gordon has numerous tenant units with diverse missions. The major tenant is the U.S. Army Signal Corps. Fort Gordon has the largest information technology and communications training school in the Armed Forces. It is also home to the U.S. Army Cyber Command, the Southeast (SE) Regional Medical Command, the SE Regional Veterinary Command, the SE Regional Dental Command, the 93rd Signal Brigade, the Gordon Regional Security Operations Center (one of three Joint Continental United States (CONUS) based intelligence platforms), the 513th Military Intelligence Brigade (MI Bde) theater-level intelligence and security, and Reserve/National Guard units.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:											
							(\$000)				
A. AIR POLLUTION							0				
B. WATER POLLUTION							0				
C. OCCUPATIONAL SAFETY AND HEALTH							0				

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1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021
3. INSTALLATION AND LOCATION Fort Gordon Georgia			4. PROJECT TITLE Cyber Instructional Fac (Admin/Cmd), Incr2		
5. PROGRAM ELEMENT 35251A	6. CATEGORY CODE 17136	7. PROJECT NUMBER 97150	8. PROJECT COST (\$000) Approp 69,000		
9. COST ESTIMATES					
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>					84,892
17136 Automation-Aided Instruct Bldg		m2 (SF)	21,866 (235,367)	3,299	(72,142)
00000 Cybersecurity Measures		LS	--	--	(750)
Sustainability/Energy Measures		LS	--	--	(1,443)
Antiterrorism Measures		LS	--	--	(1,083)
Building Information Systems		LS	--	--	(9,474)
<u>SUPPORTING FACILITIES</u>					11,405
Electric Service		LS	--	--	(2,296)
Water, Sewer, Gas		LS	--	--	(1,188)
Steam/Chilled Water Distribution		LS	--	--	(980)
Paving, Walks, Curbs And Gutters		LS	--	--	(1,490)
Storm Drainage		LS	--	--	(932)
Site Imp(3,642) Demo()		LS	--	--	(3,642)
Information Systems		LS	--	--	(464)
Antiterrorism Measures		LS	--	--	(413)
ESTIMATED CONTRACT COST					96,297
CONTINGENCY (5.00%)					4,815
SUBTOTAL					101,112
SUPV, INSP & OVERHEAD (5.70%)					5,763
TOTAL REQUEST					106,875
TOTAL REQUEST (ROUNDED)					107,000
INSTALLED EQT-OTHER APPROP					(41,937)
10. Description of Proposed Construction This is an incrementally funded project. Congress authorized \$107 million in FY2020. The first increment of \$70 million (PN 88725) was appropriated in FY2020. This request is for the second increment of \$69 million. Construct a Cyber Instructional Facility. Project includes a standard design secret level automation-aided instructional area, a standard design secret level command and control facility, secure building information systems, and fire detection, protection and alarm systems, Intrusion Detection System (IDS) and Closed Circuit TV (CCTV) installation, Energy Monitoring Control Systems (EMCS) connection. Building information systems and antiterrorism measures for this project are unique in nature and not included in the unit cost of the building. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, secure information systems, landscaping and signage. Heating and air conditioning will be provided by connection to the existing energy plant. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Air Conditioning (Estimated 1,147 kW/326 Tons).					

1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Fort Gordon Georgia			4. PROJECT TITLE Cyber Instructional Fac (Admin/Cmd), Incr2		
5. PROGRAM ELEMENT 35251A		6. CATEGORY CODE 17136	7. PROJECT NUMBER 97150	8. PROJECT COST (\$000) Approp 69,000	
11. REQ:	28,378 m2	ADQT:	NONE	SUBSTD:	15,396 m2
PROJECT: Construct a Cyber Instructional Facility at Fort Gordon, GA. (New Mission)					
REQUIREMENT: This project is required to provide the Signal School Commandant and Staff as well as Cyber Center of Excellence (CoE) faculty and staff instructional secret level space. This facility is required to serve the Cyber CoE training and education requirements and provide operational secret level space to support preparation of doctrine and training support publications, and unified training and modernization efforts for cyberspace operations, electronic warfare, cyber electromagnetic activity, and cyber-related signals intelligence.					
CURRENT SITUATION: Currently training and operations functions for cyber, signal, and electronic warfare take place in buildings constructed 40 to 50 years ago. Adequate space is not available to support future training loads or to support programs of instruction changes driven by advances in technology. Most of these buildings have had minimal repair and maintenance efforts invested in them since they were built. Electrical and HVAC systems within these facilities do not adequately serve future electrical power and cooling demand to meet mission requirements resulting in frequent electrical failures and very high room temperatures. There are very limited amount of classroom and operational space with secret capability with the requirement for secret facilities increasing. These current facilities have no access to the Cyber Weapons Systems via the Operational Network and Data Center which operate at the Top Secret/Sensitive Compartmented Information (TS/SCI) level. This project is required now because the existing facilities, in their current state, are inadequate to provide secret level command and control operations, instruction, and exercises to meet the cyber mission force (Cyber, Signal, and Electronic Warfare branches) requirements.					
IMPACT IF NOT PROVIDED: If this project is not provided, Cyber CoE will be forced to cancel or seek to relocate the planned secret level technical training and operations portions of Cyber and Signal instruction; the availability of sufficient secret level space for these activities in any other centralized location is questionable. This will further degrade and delay the mission readiness of ARCYBER Cyber Mission Force (CMF), Cyber Protection, and National and Combat Mission Teams. The Army will continue to struggle to train and to develop cyber warriors to peak technological proficiency in obsolete and failed facilities, few of which meet secret level standards. The deficiencies that exist in the various building systems will hamper and in some cases prevent this learning process, consequently holding the Army back from reaching its goal of having the world's most technologically capable Cyber Operations workforce. The vulnerabilities in the nation's information systems, communication systems, and other critical infrastructure systems will continue to be exploited by both known and unknown enemies, and the technological and industrial advancements being made by both government agencies and private companies along with the unforeseen manipulation of these complex and complicated systems will continue to present valid threats.					
ADDITIONAL: Utility connections are required to privatized electric, natural gas, water and wastewater systems. The Army intends to have the electric, natural gas, water and wastewater systems Utilities Privatization System Owner(s) make and own the necessary connections up to the facility service disconnect or other defined point of demarcation. 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					

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Fort Gordon Georgia	4. PROJECT TITLE Cyber Instructional Fac (Admin/Cmd), Incr2
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5. PROGRAM ELEMENT 35251A	6. CATEGORY CODE 17136	7. PROJECT NUMBER 97150	8. PROJECT COST (\$000) Approp 69,000
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ADDITIONAL: (CONTINUED)
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. 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.

	Authorization (\$000)	Auth of Approp (\$000)	Approp (\$000)
FY 2020 Enacted	\$107,000	\$70,000	\$70,000
Approved Cost Variance (March 2021)	\$32,000	0	0
FY 2022 Request	0	\$69,000	\$69,000
Total	\$139,000	\$139,000	\$139,000

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:	
(a) Date Design Started.....	NOV 2017
(b) Percent Complete as of January 2021.....	100.00
(c) Date 35% Designed.....	OCT 2018
(d) Date Design Complete.....	FEB 2020
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	
(2) Basis:	
(a) Standard or Definitive Design: YES	
(b) Where Design Was Most Recently Used:	
(c) Percentage of Design utilizing Standard Design ...	75
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):	(\$000)
(a) Production of Plans and Specifications.....	6,163
(b) All Other Design Costs.....	1,540
(c) Total Design Cost.....	7,703
(d) Contract.....	6,163

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Fort Gordon Georgia	4. PROJECT TITLE Cyber Instructional Fac (Admin/Command), Incr2
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5. PROGRAM ELEMENT 35251A	6. CATEGORY CODE 17136	7. PROJECT NUMBER 97150	8. PROJECT COST (\$000) Approp 69,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(e) In-house.....	1,540
(4) Construction Contract Award.....	APR 2021
(5) Construction Start.....	JUN 2021
(6) Construction Completion.....	JUN 2025

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>
IDS, CCTV, Security Equipment	OPA	2021	2,077
Cyber Security Equipment	OPA	2021	4,206
Info Sys - ISC	OPA	Future Request	5,386
Info Sys - PROP	OPA	Future Request	30,268
		Total	41,937

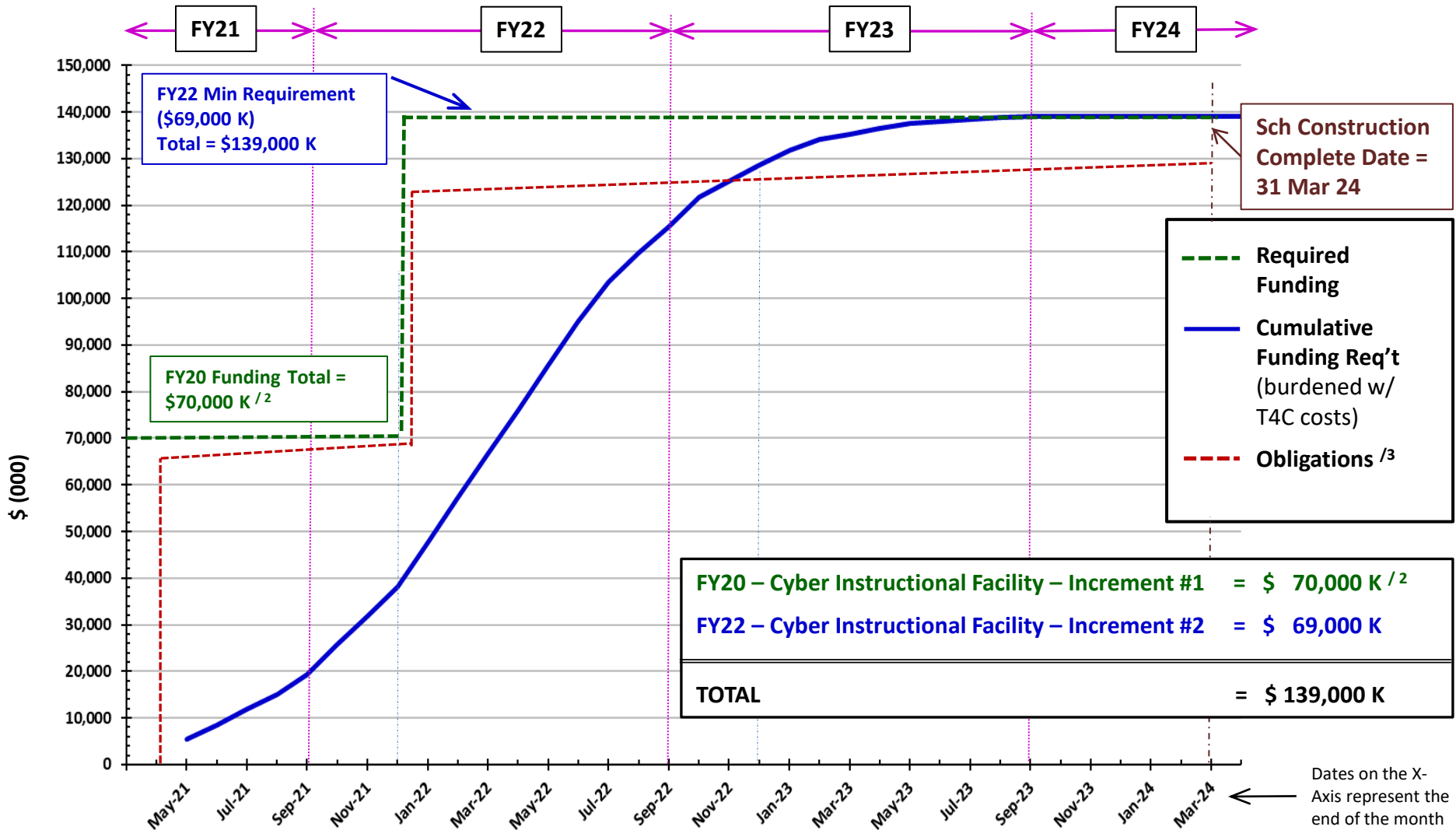
Installation Engineer: Phone Number: 706-791-6371



Work In Place (WIP) Curve – Fort Gordon Cyber Instructional Facility (Admin / Command)

Full FY22 Request = \$139,000 K ^{/1} / Award Date = 2 Apr 21

As of: 10 May 2021



Note 1: Based on Project CWE at 100% design – Army submitted a 10 USC 2853 Cost Variation raising the Authorization to \$129,400 K from the original \$107,000 K

Note 2: Data includes FY20 appropriations of \$70,000K / No funding Increment was needed in FY21

Note 3: Project awarded 2 Apr 21. Army has obligated \$66,609 K on first increment / Full contract obligation will be \$129,400 K if all contingencies are used . PAGE 24a

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2022
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE -----
Hawaii	80133	West Loch Nav Mag Annex (IMCOM) Ammunition Storage	51,000	51,000	C	27 29
		Subtotal West Loch Nav Mag Annex Part I	\$ 51,000	51,000		
		* TOTAL MCA FOR Hawaii	\$ 51,000	51,000		

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1. COMPONENT ARMY		FY 2022 MILITARY CONSTRUCTION PROGRAM							2. DATE 10 MAY 2021		
3. INSTALLATION AND LOCATION Schofield Barracks Hawaii			4. COMMAND US Army Installation Management Command					5. AREA CONSTRUCTION COST INDEX 2.37			
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 31 OCT 2020		1963	12836	1736	2	230	0	125	1658	3563	22,113
B. END FY 2026		2130	13395	1739	0	224	3	210	2009	3598	23,308
7. INVENTORY DATA (\$000)											
A. TOTAL AREA.....		76,195 ha		(188,281 AC)							
B. INVENTORY TOTAL AS OF 31 MAR 2021.....								30,950,346			
C. AUTHORIZATION NOT YET IN INVENTORY.....								2,923,148			
D. AUTHORIZATION REQUESTED IN THE FY 2022 PROGRAM.....								51,000			
E. AUTHORIZATION INCLUDED IN THE FY 2023 PROGRAM.....								0			
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....								0			
G. REMAINING DEFICIENCY.....								3,030,178			
H. GRAND TOTAL.....								36,954,672			
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2022 PROGRAM:											
CAT							COST		DESIGN STATUS		
CODE	PROJECT TITLE	SCOPE/UM			(\$000)		START	COMPLETE			
42283	Ammunition Storage	2,325.00/SF(216.00/m2)			51,000		04/2019	10/2021			
						TOTAL		51,000			
9. FUTURE PROJECT APPROPRIATIONS:											
CATEGORY							COST				
CODE	PROJECT TITLE				(\$000)						
A. INCLUDED IN THE FY 2023 PROGRAM: NONE											
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE											
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):							2,080,850				
10. MISSION OR MAJOR FUNCTIONS:											
Schofield Barracks garrisons the 25th Infantry Division (Light), United States Army Hawaii and their supporting organizations including 45th Corps Support Group and U.S. Army Military Police Brigade - Hawaii. It provides on-post Army Family Housing (Residential Communities Initiative (RCI) units) for approximately 3400 families. Support includes training ranges, and maneuver areas, and it is a mobilization station for the 9th Regional Readiness Command and Hawaii National Guard.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:											
						(\$000)					
A. AIR POLLUTION							0				
B. WATER POLLUTION							0				
C. OCCUPATIONAL SAFETY AND HEALTH							0				

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1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION West Loch Nav Mag Annex Hawaii				4. PROJECT TITLE Ammunition Storage		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 42283	7. PROJECT NUMBER 80133		8. PROJECT COST (\$000) Approp 51,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						12,141
42283 General Purpose Magazine		m2 (SF)	216.00 (2,325)		10,704	(2,312)
00000 Cyber Security Measures		LS	--		--	(252)
21660 Ammunition Maintenance Facility		m2 (SF)	820.98 (8,837)		10,029	(8,234)
00000 PCAS		LS	--		--	(862)
Sustainability/Energy Measures		LS	--		--	(255)
Building Information Systems		LS	--		--	(226)
SUPPORTING FACILITIES						33,616
Electric Service		LS	--		--	(6,610)
Water, Sewer, Gas		LS	--		--	(6,398)
Site Imp(19,255) Demo()		LS	--		--	(19,255)
Information Systems		LS	--		--	(1,353)
ESTIMATED CONTRACT COST						45,757
CONTINGENCY (5.00%)						2,288
SUBTOTAL						48,045
SUPV, INSP & OVERHEAD (6.50%)						3,123
TOTAL REQUEST						51,168
TOTAL REQUEST (ROUNDED)						51,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct an Ammunition Storage facility with one standard General Purpose Magazine to include, lightning protection system; and grounding system, and an Ammunition Maintenance Facility with five bays, loading dock, office space, restrooms, mechanical room, and building information systems. Project also includes Post Construction Contract Award Services (PCAS), cyber security commissioning, archaeological monitoring, and Operations and Maintenance Support Information (OMSI). Building information systems for this project are unique in nature and not included in the unit cost of the building. Supporting Facilities will include site improvements, clearing, grubbing and earthwork, paving, curbs, gutters, access roadways and parking, magazine apron, circulation area for the Ammunition Maintenance Facility, emergency access road, Low Impact Development (LID) measures, site restoration, and percolation basin and collector drainage system, mechanical utilities include sewage and potable water distribution systems and a sewage pump station, electrical utilities include primary and secondary electrical distribution systems, transformers, and primary and secondary telecommunication distribution systems. Air conditioning will be provided by self-contained systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated						

1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION West Loch Nav Mag Annex Hawaii			4. PROJECT TITLE Ammunition Storage		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 42283	7. PROJECT NUMBER 80133	8. PROJECT COST (\$000) Approp 51,000	
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED) building systems performance. Air Conditioning (Estimated 18 kW/5 Tons).					
11. REQ: 33,425 m2 ADQT: 8,248 m2 SUBSTD: 25,177 m2					
PROJECT: Construct an Ammunition Storage Facility at West Lock Naval Magazine Annex, Hawaii. (Current Mission)					
REQUIREMENT: This is required to support the Army West Loch Ordnance Operations Program for storing and handling of modern ammunition and explosives ordnance of today's weaponry. It will enable the Army to relocate ammunition storage and processing operations from Lualualei (LLL) to West Loch (WL). This relocation effort has been directed by the U.S Army Pacific Command and is to be in concert with the Navy's relocation plan from LLL to WL. The relocation and consolidation of ammunition operations at WL, which is where Army ammunition is loaded and offloaded by ship, will enable the Army to reduce transport travel distances, transportation costs, and health and safety risks by lowering the amount of travel over public highways. The consolidation of operations will also increase the efficiency of processing, storing, and deploying munitions due to the close proximity of the off-loading ship operations and the construction of modernized facilities. In addition, safety and security conditions will be improved as a new Navy Entry Control Point (ECP) is slated for WL.					
CURRENT SITUATION: Currently the existing facilities have reached their useful service life expectancy and do not meet the operational and storage requirements for today's weaponry. The majority of the magazines have severe to some structural damage which requires attention, lack sufficient soil cover or lightning protection systems (LPS), have obsolete or non-functioning intrusion detection systems, and have electrical/grounding issues which require repair or replacement. The existing facilities were constructed pre-World War II and were designed based on a railway transport system, which is no longer active. Magazine loading doors were built up high so that ammunition could slide off the rail cars and into the magazine, but the raised doors now create an obstacle to the truck and forklift operations which are currently used to load and unload ammunition. In addition, the arrangement of the structural supporting columns in the magazines do not provide adequate space to safely store modern ammunition. LLL is the main ammunition storage site for the Army at Oahu. The majority of Army ammunition is transported via truck from WL to LLL for storage, and then back to WL or Schofield for use. Transporting ammunition from WL to LLL requires the military transport to travel over a 16-mile stretch of HI-94 Farrington Highway, which is a single-lane, heavily used public highway. There is no alternate route if the 16-mile stretch of Farrington Highway is congested with traffic or closed. The supporting facilities at LLL are also deteriorated or do not meet current UFC requirements. The roadways and driveways which provide access to the magazines require significant repairs. Access to LLL is restricted to one-way in, one-way out due to the closure of Kolekole Road which presents significant safety concerns. The existing ECP at the entrance to LLL is improperly configured and does not meet the UFC 4-022-01, Entry Control Facilities Access Control Points. Communications, electrical, water and sewer systems at LLL are in need of complete replacement due to age, deterioration, and safety concerns. Non-magazine facilities at LLL supporting ordnance handling are also in need of repairs and upgrades in order to meet operational requirements. LLL also requires ongoing remediation and mitigation programs to address various Environmental/Natural Resources/Historical Preservation concerns. LLL also serves as an emergency shelter and must be opened to the public in the event of a tsunami warning.					

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION West Loch Nav Mag Annex Hawaii	4. PROJECT TITLE Ammunition Storage
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 42283	7. PROJECT NUMBER 80133	8. PROJECT COST (\$000) Approp 51,000
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CURRENT SITUATION: (CONTINUED)

IMPACT IF NOT PROVIDED: If the magazines or supporting facilities are not constructed, Army ordnance operations will have to continue at substandard facilities with structural, safety, security, and configuration concerns at LLL which will continue to get worse over time. The existing magazines will continue to have issues storing and loading/unloading modern ammunition for which they were not designed. Ammunition transportation operations will have to continue between WL and LLL, creating public safety, security, and mission concerns during travel across the public highway. In addition, when the Navy moves out of LLL, the Army will be forced to assume control of the entire LLL operations and be responsible for all sustainment, restoration, and environmental costs associated with LLL, which would be extremely costly to the Army. In the event of a tsunami warning, as LLL must be opened to the public for use as an emergency shelter, military operations may have to be shut-down.

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. 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.....	APR 2019
(b) Percent Complete as of January 2021.....	65.00
(c) Date 35% Designed.....	JUN 2020
(d) Date Design Complete.....	OCT 2021
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	

(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.....	2,908
(b) All Other Design Costs.....	727
(c) Total Design Cost.....	3,635
(d) Contract.....	3,635
(e) In-house.....	0

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION West Loch Nav Mag Annex Hawaii	4. PROJECT TITLE Ammunition Storage
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 42283	7. PROJECT NUMBER 80133	8. PROJECT COST (\$000) Approp 51,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(4) Construction Contract Award.....	JUL 2022
(5) Construction Start.....	SEP 2022
(6) Construction Completion.....	SEP 2025

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>
	NA		

Installation Engineer: Phone Number: 808-656-1373

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2022
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE -----
Louisiana	85255	Fort Polk (IMCOM) Joint Operations Center	55,000	55,000	C	35 37
		Subtotal Fort Polk Part I	\$ 55,000	55,000		
		* TOTAL MCA FOR Louisiana	\$ 55,000	55,000		

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1. COMPONENT ARMY		FY 2022 MILITARY CONSTRUCTION PROGRAM							2. DATE 10 MAY 2021		
3. INSTALLATION AND LOCATION Fort Polk Louisiana			4. COMMAND US Army Installation Management Command					5. AREA CONSTRUCTION COST INDEX 0.95			
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 31 OCT 2020		1113	7023	1444	0	6	0	1500	3577	5109	19,772
B. END FY 2026		1143	7160	1469	0	6	0	1517	3652	5106	20,053
7. INVENTORY DATA (\$000)											
A. TOTAL AREA..... 95,708 ha (236,499 AC)											
B. INVENTORY TOTAL AS OF 31 MAR 2021.....										7,167,252	
C. AUTHORIZATION NOT YET IN INVENTORY.....										513,553	
D. AUTHORIZATION REQUESTED IN THE FY 2022 PROGRAM.....										55,000	
E. AUTHORIZATION INCLUDED IN THE FY 2023 PROGRAM.....										0	
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....										0	
G. REMAINING DEFICIENCY.....										886,091	
H. GRAND TOTAL.....										8,621,896	
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2022 PROGRAM:											
CAT							COST		DESIGN STATUS		
CODE		PROJECT TITLE			SCOPE/UM		(\$000)		START		COMPLETE
17213		Joint Operations Center			97,769.00/SF(9083.03/m2)		55,000		03/2019		06/2021
							TOTAL		55,000		
9. FUTURE PROJECT APPROPRIATIONS:											
CATEGORY							COST				
CODE		PROJECT TITLE					(\$000)				
A. INCLUDED IN THE FY 2023 PROGRAM: NONE											
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE											
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):							477,881				
10. MISSION OR MAJOR FUNCTIONS:											
The US Army Garrison, Fort Polk will enhance readiness and provide infrastructure and facilities in order to directly support the Senior Mission Commander and facilitate the accomplishment of his mission (as well as the missions assigned to all supporting and supported tenant activities). The Garrison will promote well-being in order to enhance morale and quality of life for the extended community that Fort Polk serves.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:											
										(\$000)	
A. AIR POLLUTION										0	
B. WATER POLLUTION										0	
C. OCCUPATIONAL SAFETY AND HEALTH										0	

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1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Fort Polk Louisiana				4. PROJECT TITLE Joint Operations Center		
5. PROGRAM ELEMENT 22212A		6. CATEGORY CODE 17213	7. PROJECT NUMBER 85255		8. PROJECT COST (\$000) Approp 55,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST(\$000)	
PRIMARY FACILITY					39,091	
17213 Joint Operations Center		m2 (SF)	9,083 (97,769)	3,496	(31,756)	
00000 Special Foundations		m2 (SF)	4,542 (48,885)	136.70	(621)	
88040 IDS Installation		m2 (SF)	9,083 (97,769)	27.02	(245)	
89220 EMCS Connection		m2 (SF)	9,083 (97,769)	27.02	(245)	
00000 Cyber Security Measures		LS	--	--	(750)	
Total from Continuation page(s)					(5,474)	
SUPPORTING FACILITIES					8,301	
Electric Service		LS	--	--	(721)	
Water, Sewer, Gas		LS	--	--	(562)	
Paving, Walks, Curbs And Gutters		LS	--	--	(3,246)	
Storm Drainage		LS	--	--	(1,109)	
Site Imp(1,307) Demo()		LS	--	--	(1,307)	
Information Systems		LS	--	--	(1,239)	
Antiterrorism Measures		LS	--	--	(117)	
ESTIMATED CONTRACT COST					47,392	
CONTINGENCY (5.00%)					2,370	
SUBTOTAL					49,762	
SUPV, INSP & OVERHEAD (5.70%)					2,836	
DESIGN/BUILD-DESIGN COST (4.00%)					1,990	
TOTAL REQUEST					54,588	
TOTAL REQUEST (ROUNDED)					55,000	
INSTALLED EQT-OTHER APPROP					(3,764)	
10. Description of Proposed Construction Construct a Joint Operations Center (JOC). Project includes an operations center with simulation, training control, and planning space and a Sensitive Compartmented Information Facility (SCIF), administrative area divided into specified security zones, and Plans/Exercise Maneuver and Control (EMC) area. Project incorporates loading dock/service areas, special foundations, building information systems, fire protection and alarm systems, Intrusion Detection System (IDS) installation, securitized fenestration systems, Access Control System (Electronic keycard) installation, Closed Circuit Television (CCTV) installation, and Energy Monitoring Control Systems (EMCS) connection. Antiterrorism measures and building information systems for this project are unique in nature and not included in the unit cost of the building. Supporting facilities include secure organizational and non-organizational vehicle parking, Tactical SCIF Vehicle Area (TSVA), site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, pavement and utility demolition, landscaping and signage. Heating and air conditioning will be provided by a self-contained system. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 40 years in						

1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Fort Polk Louisiana				4. PROJECT TITLE Joint Operations Center		
5. PROGRAM ELEMENT 22212A		6. CATEGORY CODE 17213	7. PROJECT NUMBER 85255		8. PROJECT COST (\$000) Approp 55,000	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY (CONTINUED)						
Sustainability/Energy Measures		LS	--	--	(592)	
Antiterrorism Measures		LS	--	--	(2,694)	
Building Information Systems		LS	--	--	(2,188)	
				Total	5,474	
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Air Conditioning (Estimated 703 kW _r /200 Tons).						
11. REQ: 11,539 m2 ADQT: 2,356 m2 SUBSTD: NONE						
PROJECT: Construct a Joint Operations Center at Fort Polk, Louisiana. (Current Mission)						
REQUIREMENT: The project is required to provide a modern and adequately sized JOC to support the training mission of the Joint Readiness Training Center (JRTC). The current JOC building was originally constructed as a classroom in 1967 and has been modified over the years in an attempt to meet mission requirements. The building is a pre-engineered metal structure and is significantly undersized (29,029 SF), which results in poor working conditions, and necessitates the need for dispersed personnel in other buildings on the installation. During rotations, building usage increases beyond comfortable capacity. Air conditioning systems are failing and cannot support the increased heat loads generated from the computers and assigned personnel. The existing Joint Readiness Training Center (JRTC) communication tower is failing at the base and should be completely rebuilt to support antennas. This project will consolidate all command functions of the operations group into one facility.						
CURRENT SITUATION: Currently the existing facilities do not support handling of materials classified above the secret level required to train special operations forces.						
IMPACT IF NOT PROVIDED: Training is severely impacted due to work arounds and lack of unit integrity. Systems will continue to fail with increasing maintenance and utility costs due to inefficiencies. Training staff will continue to be spread out among 3 buildings making collaboration difficult.						
ADDITIONAL: Utility connections are required to a privatized electric, water, and wastewater systems. The Army intends to have the electric, water, and wastewater Utilities Privatization System Owners make and own the necessary connections up to the facility service disconnect or other defined point of demarcation. Utility connections are required to natural gas systems. In the event of a future Utilities Privatization (UP) action, the Army intends to have the natural gas UP System Owner make and own the necessary connection supply to the facility disconnect or other defined point of demarcation. 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.						

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Fort Polk Louisiana	4. PROJECT TITLE Joint Operations Center
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5. PROGRAM ELEMENT 22212A	6. CATEGORY CODE 17213	7. PROJECT NUMBER 85255	8. PROJECT COST (\$000) Approp 55,000
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ADDITIONAL: (CONTINUED)
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. 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.....	MAR 2019
(b) Percent Complete as of January 2021.....	65.00
(c) Date 35% Designed.....	JUL 2020
(d) Date Design Complete.....	JUN 2021
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	
(2) Basis:	
(a) Standard or Definitive Design: YES	
(b) Where Design Was Most Recently Used: Fort Hood	
(c) Percentage of Design utilizing Standard Design ...	80
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):	(\$000)
(a) Production of Plans and Specifications.....	1,422
(b) All Other Design Costs.....	474
(c) Total Design Cost.....	1,896
(d) Contract.....	1,896
(e) In-house.....	0
(4) Construction Contract Award.....	JAN 2022
(5) Construction Start.....	MAR 2022
(6) Construction Completion.....	SEP 2024

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Fort Polk Louisiana	4. PROJECT TITLE Joint Operations Center
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5. PROGRAM ELEMENT 22212A	6. CATEGORY CODE 17213	7. PROJECT NUMBER 85255	8. PROJECT COST (\$000) Approp 55,000
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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>
Equipment - Ops Ctr	OPA	Future Request	1,705
Equipment - Admin	OPA	Future Request	577
Communication Tower	OPA	Future Request	340
CCTV	OPA	Future Request	187
Standby Generator	OPA	Future Request	328
UPS	OPA	Future Request	68
Info Sys - ISC	OPA	Future Request	404
Info Sys - PROP	OPA	Future Request	155
		Total	<u>3,764</u>

Installation Engineer: Phone Number: 337.531.4561

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2022
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE -----
Maryland	87647	Fort Meade (IMCOM) Barracks	81,000	81,000	C	43 45
		Subtotal Fort Meade Part I	\$ 81,000	81,000		
		* TOTAL MCA FOR Maryland	\$ 81,000	81,000		

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1. COMPONENT ARMY		FY 2022 MILITARY CONSTRUCTION PROGRAM							2. DATE 10 MAY 2021			
3. INSTALLATION AND LOCATION Fort Meade Maryland			4. COMMAND US Army Installation Management Command					5. AREA CONSTRUCTION COST INDEX 0.97				
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL		
A. AS OF 31 OCT 2020		1509	4087	2657	51	558	10	2132	9754	37617	58,375	
B. END FY 2026		1521	3983	2627	54	725	8	2174	9522	38822	59,436	
7. INVENTORY DATA (\$000)												
A. TOTAL AREA..... 2,177 ha (5,379 AC)												
B. INVENTORY TOTAL AS OF 30 SEP 2020..... 7,844,276												
C. AUTHORIZATION NOT YET IN INVENTORY..... 272,239												
D. AUTHORIZATION REQUESTED IN THE FY 2022 PROGRAM..... 81,000												
E. AUTHORIZATION INCLUDED IN THE FY 2023 PROGRAM..... 0												
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY)..... 0												
G. REMAINING DEFICIENCY..... 2,110,394												
H. GRAND TOTAL..... 10,307,909												
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2022 PROGRAM:												
CAT							COST	DESIGN STATUS				
CODE	PROJECT TITLE	SCOPE/UM				(\$000)	START	COMPLETE				
72111	Barracks	157,680.00/SF(14648.95/m2)				81,000	04/2020	10/2021				
						TOTAL	81,000					
9. FUTURE PROJECT APPROPRIATIONS:												
CATEGORY							COST					
CODE	PROJECT TITLE					(\$000)						
A. INCLUDED IN THE FY 2023 PROGRAM: NONE												
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE												
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):						434,422						
10. MISSION OR MAJOR FUNCTIONS:												
Provide base operations support for facilities and infrastructure, quality of life and protective services in support of Department of Defense activities and Federal agencies, to include the Defense Information Systems Agency, Defense Adjudications Activities, and Defense Media Activity.												
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:												
						(\$000)						
A. AIR POLLUTION						0						
B. WATER POLLUTION						0						
C. OCCUPATIONAL SAFETY AND HEALTH						0						

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1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Fort Meade Maryland				4. PROJECT TITLE Barracks		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 72111	7. PROJECT NUMBER 87647		8. PROJECT COST (\$000) Approp 81,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						67,088
72111 Barracks		m2 (SF)	14,649 (157,680)		4,256	(62,350)
81160 Emergency Backup Generator		EA	1 --		1691284	(1,691)
00000 Cyber Security Measures		EA	3 --		250,000	(750)
Sustainability/Energy Measures		LS	--		--	(1,311)
Building Information Systems		LS	--		--	(986)
<u>SUPPORTING FACILITIES</u>						5,817
Electric Service		LS	--		--	(246)
Water, Sewer, Gas		LS	--		--	(553)
Paving, Walks, Curbs And Gutters		LS	--		--	(725)
Storm Drainage		LS	--		--	(507)
Site Imp(3,624) Demo()		LS	--		--	(3,624)
Information Systems		LS	--		--	(162)
ESTIMATED CONTRACT COST						72,905
CONTINGENCY (5.00%)						3,645
SUBTOTAL						76,550
SUPV, INSP & OVERHEAD (5.70%)						4,363
TOTAL REQUEST						80,913
TOTAL REQUEST (ROUNDED)						81,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct two (190 PN) standard-design, multi-story, Barracks. Barracks include living/sleeping rooms, semi-private baths, walk-in closets, storage, and service areas. Project includes emergency backup generator, installation of an Intrusion Detection System (IDS), and connection to Energy Monitoring and Control Systems (EMCS). Heating and air conditioning will be provided by self-contained systems. Antiterrorism Measures and Building information systems for this project are unique in nature and not included in the unit cost of the buildings. Supporting facilities include utilities, electric service, exterior lighting, fire protection and alarm systems, paving, walks, curbs and gutters, parking, sedimentation and erosion control, storm drainage, storm water management, picnic area and bicycle racks, dumpster pads and enclosures, information systems, and site improvements. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Air Conditioning (Estimated 879 kW _r /250 Tons).						
11. REQ: 2,196 PN		ADQT: 504 PN		SUBSTD: 668 PN		
PROJECT: Construct Barracks at Fort Meade, Maryland. (Current Mission)						

1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Fort Meade Maryland			4. PROJECT TITLE Barracks		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 72111	7. PROJECT NUMBER 87647	8. PROJECT COST (\$000) Approp 81,000	
<p><u>REQUIREMENT:</u> This project is required to provide housing that satisfies current Army standards of adequacy. The scope provides rooms to accommodate up to 576 personnel in grades E1-E6 (Note E5 and E6 use two spaces). The personnel to be housed are permanent party of various Army activities and other services stationed at Fort Meade performing critical national level missions. In order to make way for the critical construction and mission requirements the Army has maximized the granting of Certificates of Non-Availability, which costs approximately \$60 million a year. Investing in barracks, instead of BAH, allow young Soldiers to be living on-post where the chain-of-command is able to provide for good order and discipline, their professional development and general welfare.</p> <p><u>CURRENT SITUATION:</u> The personnel are currently housed in barracks buildings constructed in 1954. Efforts have been made to move personnel to the new Freedom Center complex but capacity there will only meet one third of our requirement. All others are granted certificates of non-availability. This includes many enlisted members that would normally be required to reside on post. Some NCO's have even been moved into family quarters despite being single. They are of 2 plus 2 configuration with a combined capacity of 302 personnel. They last received renovations and air conditioning in 1975. The roofs have widespread leaks that require patching and repair. Water enters the roofs and destroys the third floor ceiling and insulation. Water also enters the exterior walls and the concrete framing and destroys wall finishes and carpeting in the outboard portions of rooms. Ceiling grids and panels continually deteriorate as a result of moisture buildup and rusting of the suspended grid. Repeated treatments of chlorine wash are required to suppress the growth of mold and mildew. Window and door frames have become loose, rusted and covered with years of painting. Floor tiles in common use areas and carpeting in billeting rooms are aged and deteriorated. Repeated layers of interior painting has resulted very uneven surfaces with the composite delaminating from the concrete masonry units or other concrete surfaces. The latrines have plumbing that is rusted and leaking into the floors and overheads below. Fixtures are corroded and obsolete. Latrine partitions are oxidized and otherwise stained.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, Soldiers assigned to the various units and other services stationed at Fort Meade will continue to be billeted in antiquated barracks. The barracks buildings and the surrounding environment will adversely affect the Soldiers' quality of life, morale and, ultimately, the readiness of the units and the daily performance of the individual Soldier. The interior of the buildings and their utility systems will continue to deteriorate and will require increased maintenance.</p> <p><u>ADDITIONAL:</u> Utility connections are required to a privatized electric, water, wastewater and natural gas systems. The Army intends to have the electric, water, wastewater and natural gas Utilities Privatization System Owners make and own the necessary connections up to the facility service disconnect or other defined point of demarcation. 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. Sustainable principles, to include life cycle cost effective practices, will be integrated into the</p>					

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Fort Meade Maryland	4. PROJECT TITLE Barracks
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 72111	7. PROJECT NUMBER 87647	8. PROJECT COST (\$000) Approp 81,000
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ADDITIONAL: (CONTINUED)
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.....	APR 2020
(b) Percent Complete as of January 2021.....	65.00
(c) Date 35% Designed.....	SEP 2020
(d) Date Design Complete.....	OCT 2021
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(2) Basis:	
(a) Standard or Definitive Design: YES	
(b) Where Design Was Most Recently Used: Fort Hood	
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):	(\$000)
(a) Production of Plans and Specifications.....	4,549
(b) All Other Design Costs.....	1,137
(c) Total Design Cost.....	5,686
(d) Contract.....	4,549
(e) In-house.....	1,137
(4) Construction Contract Award.....	APR 2022
(5) Construction Start.....	JUN 2022
(6) Construction Completion.....	OCT 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>
	NA		

Installation Engineer: Phone Number: 301-677-9141

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2022
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST -----	NEW/ CURRENT MISSION	PAGE -----
New York	61484	Fort Hamilton (IMCOM) Information Systems Facility	26,000	26,000	C	51 53
		Subtotal Fort Hamilton Part I	\$ 26,000	26,000		
	72205	Watervliet Arsenal (AMC) Access Control Point	20,000	20,000	C	57 59
		Subtotal Watervliet Arsenal Part I	\$ 20,000	20,000		
		* TOTAL MCA FOR New York	\$ 46,000	46,000		

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1. COMPONENT ARMY		FY 2022 MILITARY CONSTRUCTION PROGRAM							2. DATE 10 MAY 2021		
3. INSTALLATION AND LOCATION Fort Hamilton New York			4. COMMAND US Army Installation Management Command					5. AREA CONSTRUCTION COST INDEX 1.34			
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 31 OCT 2020		167	733	241	0	0	0	25	439	411	2,016
B. END FY 2026		167	727	238	0	0	0	25	439	411	2,007
7. INVENTORY DATA (\$000)											
A. TOTAL AREA..... 152 ha (375 AC)											
B. INVENTORY TOTAL AS OF 30 SEP 2020.....										624,148	
C. AUTHORIZATION NOT YET IN INVENTORY.....										7,600	
D. AUTHORIZATION REQUESTED IN THE FY 2022 PROGRAM.....										26,000	
E. AUTHORIZATION INCLUDED IN THE FY 2023 PROGRAM.....										0	
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....										0	
G. REMAINING DEFICIENCY.....										179,662	
H. GRAND TOTAL.....										837,410	
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2022 PROGRAM:											
CAT							COST		DESIGN STATUS		
CODE		PROJECT TITLE			SCOPE/UM		(\$000)		START		COMPLETE
13115		Information Systems Facility			10,872.00/SF(1010.04/m2)		26,000		11/2018		10/2021
							TOTAL		26,000		
9. FUTURE PROJECT APPROPRIATIONS:											
CATEGORY							COST				
CODE		PROJECT TITLE					(\$000)				
A. INCLUDED IN THE FY 2023 PROGRAM: NONE											
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE											
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):										74,781	
10. MISSION OR MAJOR FUNCTIONS:											
The US Army Garrison Fort Hamilton provides effective and efficient management of Government resources to support mission readiness, improve infrastructure, preserve the environment, and enable the well-being and safety of service members, civilians and family members. The Garrison also provides stationing for the New York Recruiting Battalion, the Military Entrance and Processing Station, North Atlantic Division of the Corps of Engineers, 722nd Aeromedical Staging Squadron, Defense Intelligence Agency, NYC Health Care Recruiting Team, the Criminal Investigative Division and Army Reserve units to include the 1179th Deployment Control Group, the 344th Combat Support Hospital, the 5th Medical Battalion and the 7238th Medical Support Unit.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:											
										(\$000)	
A. AIR POLLUTION										0	
B. WATER POLLUTION										0	
C. OCCUPATIONAL SAFETY AND HEALTH										0	

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1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Fort Hamilton New York				4. PROJECT TITLE Information Systems Facility		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 13115	7. PROJECT NUMBER 61484		8. PROJECT COST (\$000) Approp 26,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						19,520
13115 Information Systems Facility		m2 (SF)	1,010 (10,872)		16,225	(16,388)
81160 Redundant Power		EA	1 --		699,484	(699)
85210 Organizational Vehicle Parking		m2 (SY)	418.06 (500)		190.86	(80)
00000 Cyber Security Measures		LS	--		--	(750)
00000 Install IDS, CCTV, ESS, EMCS		LS	--		--	(339)
Total from Continuation page(s)						(1,264)
SUPPORTING FACILITIES						3,629
Electric Service		LS	--		--	(711)
Water, Sewer, Gas		LS	--		--	(125)
Paving, Walks, Curbs And Gutters		LS	--		--	(130)
Storm Drainage		LS	--		--	(296)
Site Imp(1,146) Demo()		LS	--		--	(1,146)
Information Systems		LS	--		--	(1,158)
Antiterrorism Measures		LS	--		--	(63)
ESTIMATED CONTRACT COST						23,149
CONTINGENCY (5.00%)						1,157
SUBTOTAL						24,306
SUPV, INSP & OVERHEAD (5.70%)						1,385
TOTAL REQUEST						25,691
TOTAL REQUEST (ROUNDED)						26,000
INSTALLED EQT-OTHER APPROP						(9,764)
10. Description of Proposed Construction Construct a standard design Information Systems Facility (ISF). Project includes an ISF, redundant power, organizational vehicle parking, open storage area and building information systems, installation of Intrusion Detection Systems (IDS), Closed Circuit Television (CCTV), Electronic Security System (ESS), and Energy Monitoring and Control Systems connection. The facility includes space for a command center for operations support with video teleconferencing capability, administration, reception, network administrators, operations floor, tech lab, operations center, administrative offices, customer service center, technical assistance for Information Technology (IT), controlled humidity warehouse, loading dock with receiving zone, shower/locker rooms, and break rooms. Heating and air conditioning will be provided by self contained systems. Supporting facilities include utilities, fire protection and alarm systems, uninterrupted power supply, redundant mechanical and electrical systems, heating and cooling, and pavements, walks, and curbs. Site improvements will include site clearing, grading and landscaping. Low Impact Development Integrated Management Practices (LID-IMPs) measures will be provided. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building						

1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Fort Hamilton New York				4. PROJECT TITLE Information Systems Facility		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 13115	7. PROJECT NUMBER 61484		8. PROJECT COST (\$000) Approp 26,000	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY (CONTINUED)						
Sustainability/Energy Measures		LS	--	--	(248)	
Antiterrorism Measures		LS	--	--	(248)	
Building Information Systems		LS	--	--	(768)	
					Total 1,264	
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
envelope and integrated building systems performance. Air Conditioning (Estimated 598 kW _r /170 Tons).						
11. REQ: 1,010 m2 ADQT: NONE SUBSTD: 1,050 m2						
PROJECT: Construct an Information Systems Facility at Fort Hamilton, New York. (Current Mission)						
<p><u>REQUIREMENT:</u> This project is required to provide adequate permanent information and communication facilities to support the Fort Hamilton Garrison, tenants, and Other Government Agency (OGA) partners in proximity to this facility. The Local Network Enterprise Center (L-NEC) provides internal and external network communications support to national and international elements including but not limited to the Joint Task Force - Empire Shield, Defense Intelligence Agency, Joint Military Postal Activity - Atlantic, Active Duty components, North Atlantic Division Headquarters of the U.S. Army Corps of Engineers (USACE), National Guard and Reserve (Army, Navy, Marines, Military Entrance Processing Station (MEPS), Army & Air Force Exchange Service (AAFES), Chief of Public Affairs - Manhattan, Aysmmetric Warfare Group (AWG), Office of the Chief of Chaplains (OCCH), the Recruiting Command and other entities. This ISF will support network defense and enable Information Technology/Information Management (IT/IM) level as part of the National Enterprise Center (NEC) realignment initiative. NECs on continental United States (CONUS) installations have realigned under the Army Signal Command, which is composed of two brigades: one in the eastern region and one in the western region. This facility will meet the needs of U.S. Army Network Enterprise Technology Command (NETCOM) and the 93rd Signal Brigade in their mission to manage and defend the Army's information network. At the time of building occupancy for the new ISF, decommission and removal of the existing equipment, fiber, and copper can began.</p> <p><u>CURRENT SITUATION:</u> Currently adequate facilities suitable to the L-NEC mission are not available. Existing L-NEC facilities average 68 years of age with a median build date of 1947. The current mission is performed in three separate buildings, with a median age of 63 years. While facilities have undergone varying levels of renovation/alteration, the facilities do not provide ISF components required by the L-NEC, either individually or cumulatively. The geographical separation among the facilities makes planning and fielding of requirements difficult and time consuming. The current functions are performed in space that is widely dispersed, overcrowded, and technologically unsuitable to meet present day requirements. The corollary activities staff must work closely together in order to accomplish operations effectively and support the Army in full-spectrum warfare. The lack of adequate air conditioning and fire protection makes these facilities vulnerable to outage during times of critical need.</p>						

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Fort Hamilton New York	4. PROJECT TITLE Information Systems Facility
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 13115	7. PROJECT NUMBER 61484	8. PROJECT COST (\$000) Approp 26,000
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IMPACT IF NOT PROVIDED: If this facility is not provided, the Fort Hamilton L-NEC's operations, situational awareness, and security of information and information systems may be compromised due to the inability to provide complete and continuous surveillance and response measures. The inability to expand and support existing and future network systems will influence the nation's efforts in Homeland Defense relating to information security. The risk to the segment of the Global Information Grid (GIG) will affect the integrity and reliability of the Army's global networks, adversely affecting the field commander's capability to reach-back which is a vital mission requirement for the warfighter. Secure and reliable information may not be readily available to the installation and field commanders and will compromise the integrity and confidentiality of information systems to the warfighter. The ability to meet the Secretary of the Army (SECARMY) and Chief of Staff, Army (CSA) directives to consolidate, protect, monitor, operate and maintain the U.S. Army's information networks and systems will be severely impaired.

ADDITIONAL: Utility connections are required to electric, water, wastewater and natural gas systems. In the event of a future Utilities Privatization (UP) action, the Army intends to have the electric, water, wastewater and natural gas UP System Owner make and own the necessary connection supply to the facility disconnect or other defined point of demarcation. 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. 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 2018
 - (b) Percent Complete as of January 2021..... 65.00
 - (c) Date 35% Designed..... JUN 2020
 - (d) Date Design Complete..... OCT 2021
 - (e) Parametric Cost Estimating Used to Develop Costs.. NO
 - (f) Type of Design Contract: Design-bid-build

- (2) Basis:
 - (a) Standard or Definitive Design: YES
 - (b) Where Design Was Most Recently Used:
 - (c) Percentage of Design utilizing Standard Design ... 0

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Fort Hamilton New York	4. PROJECT TITLE Information Systems Facility
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 13115	7. PROJECT NUMBER 61484	8. PROJECT COST (\$000) Approp 26,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):	(\$000)
(a) Production of Plans and Specifications.....	1,489
(b) All Other Design Costs.....	0
(c) Total Design Cost.....	1,489
(d) Contract.....	0
(e) In-house.....	1,489
(4) Construction Contract Award.....	JUN 2022
(5) Construction Start.....	JUL 2022
(6) Construction Completion.....	JUL 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>
Furniture	OPA	Future Request	226
Info Sys - ISC	OPA	Future Request	2,622
Info Sys - PROP	OPA	Future Request	6,916
		Total	9,764

Installation Engineer: Phone Number: 718-630-4744

1. COMPONENT ARMY		FY 2022 MILITARY CONSTRUCTION PROGRAM							2. DATE 10 MAY 2021		
3. INSTALLATION AND LOCATION Watervliet Arsenal New York			4. COMMAND US Army Materiel Command					5. AREA CONSTRUCTION COST INDEX 1.07			
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 31 OCT 2020		68	103	959	0	0	0	3	17	268	1,418
B. END FY 2026		68	103	959	0	0	0	3	17	264	1,414
7. INVENTORY DATA (\$000)											
A. TOTAL AREA..... 17 ha (42 AC)											
B. INVENTORY TOTAL AS OF 30 SEP 2020.....										980,732	
C. AUTHORIZATION NOT YET IN INVENTORY.....										0	
D. AUTHORIZATION REQUESTED IN THE FY 2022 PROGRAM.....										20,000	
E. AUTHORIZATION INCLUDED IN THE FY 2023 PROGRAM.....										0	
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....										0	
G. REMAINING DEFICIENCY.....										93,708	
H. GRAND TOTAL.....										1,094,440	
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2022 PROGRAM:											
CAT							COST		DESIGN STATUS		
CODE		PROJECT TITLE			SCOPE/UM		(\$000)		START		COMPLETE
14113		Access Control Point			2.00/EA(2.00/EA)		20,000		04/2018		08/2021
							TOTAL		20,000		
9. FUTURE PROJECT APPROPRIATIONS:											
CATEGORY							COST				
CODE		PROJECT TITLE					(\$000)				
A. INCLUDED IN THE FY 2023 PROGRAM: NONE											
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE											
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):										182,123	
10. MISSION OR MAJOR FUNCTIONS:											
To perform manufacturing, industrial, and value engineering for assigned materiel and the required production engineering to support procurement, production and mobilization. Materiel assignments include mortars, recoilless rifles, cannon for tanks, towed and self-propelled artillery and components of these end items.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:											
										(\$000)	
A. AIR POLLUTION										0	
B. WATER POLLUTION										0	
C. OCCUPATIONAL SAFETY AND HEALTH										0	

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1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Watervliet Arsenal New York				4. PROJECT TITLE Access Control Point		
5. PROGRAM ELEMENT 72896A		6. CATEGORY CODE 14113	7. PROJECT NUMBER 72205		8. PROJECT COST (\$000) Approp 20,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						13,323
14113 Access Control Facility		EA	1 --		9237348	(9,237)
14113 Gatehouse		m2 (SF)	88.26 (950)		10,050	(887)
85110 Pavements		LS	--		--	(1,688)
81160 Redundant Power		LS	--		--	(178)
14113 Overwatch Area		EA	1 --		130,739	(131)
Total from Continuation page(s)						(1,202)
SUPPORTING FACILITIES						4,658
Electric Service		LS	--		--	(905)
Water, Sewer, Gas		LS	--		--	(256)
Steam/Chilled Water Distribution		LS	--		--	(1,480)
Paving, Walks, Curbs And Gutters		LS	--		--	(83)
Storm Drainage		LS	--		--	(627)
Site Imp(1,054) Demo(47)		LS	--		--	(1,101)
Information Systems		LS	--		--	(131)
Antiterrorism Measures		LS	--		--	(75)
ESTIMATED CONTRACT COST						17,981
CONTINGENCY (5.00%)						899
SUBTOTAL						18,880
SUPV, INSP & OVERHEAD (5.70%)						1,076
TOTAL REQUEST						19,956
TOTAL REQUEST (ROUNDED)						20,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct a standard design Access Control Point (ACP). Project includes ACP facilities, gatehouse, pavements for oversized, commercial and Privately Owned vehicle (POV) transit, cybersecurity measures, redundant power, overwatch area, antiterrorism measures, and special foundations. The ACP contains a combined search facility/gatehouse, guard booths, vehicle barriers and traffic control devices. Project includes installation of Intrusion Detection System (IDS), Electronic Security System (ESS), a duress alarm, and Closed Circuit Television (CCTV) monitoring, and connections to Energy Monitoring Control Systems (EMCS). 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. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Demolish 1 building at Watervliet Arsenal, NY (Total 217 m2/2,338 SF). Air Conditioning (Estimated 14 kW/4 Tons).						
11. REQ:		2 EA	ADQT:	1 EA	SUBSTD:	NONE

1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Watervliet Arsenal New York				4. PROJECT TITLE Access Control Point		
5. PROGRAM ELEMENT 72896A		6. CATEGORY CODE 14113	7. PROJECT NUMBER 72205		8. PROJECT COST (\$000) Approp 20,000	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY	UNIT COST	COST (\$000)	
<u>PRIMARY FACILITY (CONTINUED)</u>						
00000 Cyber Security Measures		LS	--	--	(1,000)	
00000 Special Foundations		LS	--	--	(135)	
Sustainability/Energy Measures		LS	--	--	(34)	
Antiterrorism Measures		LS	--	--	(33)	
					Total 1,202	
<u>PROJECT:</u> Construct an Access Control Point at Watervliet Arsenal, New York. (Current Mission).						
<u>REQUIREMENT:</u> This project is required to provide a dedicated ACP at the Gillespie Gate to provide Watervliet Arsenal (WVA) an exclusive heavy equipment and commercial truck entry point. It will also provide a redundant entry/exit for Privately Owned Vehicles (POVs) in the event of emergencies. WVA handles deliveries of raw materials and specialized equipment associated with being the only source of manufacturing of cannon and mortar barrels for the Department of Defense (DoD). WVA supports repair/service of large weapon systems, including M777 Howitzer, Abrams Tank, and all Army Mortar Systems. Constructing a designated commercial Access Control Point (ACP) at the Gillespie Gate allows WVA to segregate commercial traffic away from occupied areas and provide a direct delivery route to the logistics and industrial warehouses.						
<u>CURRENT SITUATION:</u> Currently, the existing ACP at the South Gate lacks the capability to safely handle both POV traffic(3,500 vehicles per day) and to control/inspect incoming heavy equipment. The working ACP does not provide adequate turning radius, nor clearance, for equipment carriers and many tractor trailers that make delivery to WVA. These large vehicles must traverse through local neighborhood streets in order to access the South Gate. This causes logistical and safety concerns. The lack of vehicle control often produces traffic backup onto the municipal, main road that leads into the installation. There is no direct delivery route to the warehouses and industrial centers of the installation, producing inefficiencies and dangerous conditions. This substandard condition, without turn-around capability, creates a vulnerability for random attack. Numerous vulnerability assessments over the past 10 years have concluded the gate to be substandard and at risk. The working population of WVA is expected to increase, exacerbating the entry and control problems.						
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, WVA will continue to operate using a substandard ACP that does not satisfy its mission nor personnel requirements. Security may be compromised since comprehensive inspections of over-sized loads and equipment cannot be readily performed without creating an entry backlog. The installation will continue to operate without redundant access capability; thus, perpetuating a single-point of failure condition if an emergency occurs. WVA will remain without a direct transit route through the desired Gillespie Gate to the industrial areas and back out onto major transportation routes. The unsafe mix of POV and heavy or commercial vehicles will persist with future vulnerability assessments evaluating the condition as unsatisfactory.						
<u>ADDITIONAL:</u> Utility connections are required to a privatized water system. The Army intends to have the water Utilities Privatization System Owner make and own the necessary						

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Watervliet Arsenal New York	4. PROJECT TITLE Access Control Point
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5. PROGRAM ELEMENT 72896A	6. CATEGORY CODE 14113	7. PROJECT NUMBER 72205	8. PROJECT COST (\$000) Approp 20,000
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ADDITIONAL: (CONTINUED)
connections up to the facility service disconnect or other defined point of demarcation. Utility connections are required to electric, wastewater and natural gas systems. In the event of a future Utilities Privatization (UP) action, the Army intends to have the electric, water and natural gas UP System Owner make and own the necessary connection supply to the facility disconnect or other defined point of demarcation. 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. 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.....	APR 2018
(b) Percent Complete as of January 2021.....	65.00
(c) Date 35% Designed.....	JUN 2020
(d) Date Design Complete.....	AUG 2021
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	
(2) Basis:	
(a) Standard or Definitive Design: YES	
(b) Where Design Was Most Recently Used: Fort Gordon	
(c) Percentage of Design utilizing Standard Design ...	80
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)	
(a) Production of Plans and Specifications.....	1,151
(b) All Other Design Costs.....	288
(c) Total Design Cost.....	1,439
(d) Contract.....	1,151
(e) In-house.....	288

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Watervliet Arsenal New York	4. PROJECT TITLE Access Control Point
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5. PROGRAM ELEMENT 72896A	6. CATEGORY CODE 14113	7. PROJECT NUMBER 72205	8. PROJECT COST (\$000) Approp 20,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(4) Construction Contract Award.....	JAN 2022
(5) Construction Start.....	MAR 2022
(6) Construction Completion.....	JUN 2023

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

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
	NA		

Installation Engineer: Phone Number: 518.266.3671

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2022
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST	NEW/ CURRENT MISSION	PAGE -----
Pennsylvania		Letterkenny Army Depot (AMC)				65
	85904	Fire Station	21,000	21,000	C	67
		Subtotal Letterkenny Army Depot Part I	\$ 21,000	21,000		
		* TOTAL MCA FOR Pennsylvania	\$ 21,000	21,000		

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1. COMPONENT ARMY		FY 2022 MILITARY CONSTRUCTION PROGRAM							2. DATE 10 MAY 2021			
3. INSTALLATION AND LOCATION Letterkenny Army Depot Pennsylvania				4. COMMAND US Army Materiel Command					5. AREA CONSTRUCTION COST INDEX 1.02			
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL		
A. AS OF 31 OCT 2020		37	474	1834	1	0	0	42	121	1435	3,944	
B. END FY 2026		36	437	1837	0	0	0	42	121	1295	3,768	
7. INVENTORY DATA (\$000)												
A. TOTAL AREA.....		7,410 ha		(18,310 AC)								
B. INVENTORY TOTAL AS OF 30 SEP 2020.....								3,558,489				
C. AUTHORIZATION NOT YET IN INVENTORY.....								40,337				
D. AUTHORIZATION REQUESTED IN THE FY 2022 PROGRAM.....								21,000				
E. AUTHORIZATION INCLUDED IN THE FY 2023 PROGRAM.....								0				
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....								0				
G. REMAINING DEFICIENCY.....								71,698				
H. GRAND TOTAL.....								3,691,524				
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2022 PROGRAM:												
CAT							COST	DESIGN STATUS				
CODE	PROJECT TITLE				SCOPE/UM		(\$000)	START	COMPLETE			
73010	Fire Station				25,108.00/SF(2332.61/m2)		21,000	04/2018	10/2021			
						TOTAL	21,000					
9. FUTURE PROJECT APPROPRIATIONS:												
CATEGORY							COST					
CODE	PROJECT TITLE						(\$000)					
A. INCLUDED IN THE FY 2023 PROGRAM:		NONE										
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY):		NONE										
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):								228,187				
10. MISSION OR MAJOR FUNCTIONS:												
Letterkenny's mission is twofold, maintenance and supply. Letterkenny is the premier Department of Defense Center of Industrial and Technical Excellence for maintenance and rebuild of Air Defense and Tactical Missile Ground Support Equipment, Mobile Electric Power Generation Equipment, Phased Array Tracking Radar Intercept of Target (PATRIOT) Missile Recertification, and Route Clearance Vehicle (RCV). The depot also has a significant supply mission which includes the receipt, storage, care and preservation, packaging, and issue of general supplies, as well as the management of depot operating supplies and equipment. Letterkenny Munitions Center performs maintenance, receipt/issue, inspection, storage, test and repair of all variants for the Multiple Launch Rocket System (MLRS), Family of Munitions (MFOM), Army Tactical Missile System, and Guided Multiple Launch Rocket System.												
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:												
						(\$000)						
A. AIR POLLUTION								0				
B. WATER POLLUTION								0				
C. OCCUPATIONAL SAFETY AND HEALTH								0				

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1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Letterkenny Army Depot Pennsylvania				4. PROJECT TITLE Fire Station		
5. PROGRAM ELEMENT 72896A		6. CATEGORY CODE 73010	7. PROJECT NUMBER 85904		8. PROJECT COST (\$000) Approp 21,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						13,386
73010 Fire Station		m2 (SF)	2,333 (25,108)		5,097	(11,889)
00000 Cyber Security Measures		LS	--		--	(750)
81160 Redundant Power		EA	1 --		111,715	(112)
Sustainability/Energy Measures		LS	--		--	(263)
Antiterrorism Measures		LS	--		--	(263)
Building Information Systems		LS	--		--	(109)
SUPPORTING FACILITIES						5,544
Electric Service		LS	--		--	(348)
Water, Sewer, Gas		LS	--		--	(195)
Paving, Walks, Curbs And Gutters		LS	--		--	(1,042)
Storm Drainage		LS	--		--	(936)
Site Imp(2,834) Demo()		LS	--		--	(2,834)
Information Systems		LS	--		--	(88)
Antiterrorism Measures		LS	--		--	(101)
ESTIMATED CONTRACT COST						18,930
CONTINGENCY (5.00%)						947
SUBTOTAL						19,877
SUPV, INSP & OVERHEAD (5.70%)						1,133
TOTAL REQUEST						21,010
TOTAL REQUEST (ROUNDED)						21,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct a standard design two company headquarters Fire Station with additional structural apparatus bays. Primary facilities include fire station, redundant power, cyber security measures, sustainability/energy and antiterrorism measures. This facility will also include building information systems, fire protection and alarm systems and Energy Monitoring Control Systems (EMCS) connection. Building information systems for this project are unique in nature and not included in the unit cost of the building. Supporting facilities include 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. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Air Conditioning (Estimated 352 kW _r /100 Tons).						
11. REQ: 2,333 m2		ADQT: NONE		SUBSTD: NONE		
PROJECT: Construct a Fire Station at Letterkenny Army Depot, PA. (Current Mission)						
REQUIREMENT: This project is required to provide adequate facilities to support fire						

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Letterkenny Army Depot Pennsylvania	4. PROJECT TITLE Fire Station
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5. PROGRAM ELEMENT 72896A	6. CATEGORY CODE 73010	7. PROJECT NUMBER 85904	8. PROJECT COST (\$000) Approp 21,000
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REQUIREMENT: (CONTINUED)
 department operations at Letterkenny Army Depot. These operations include fire protection and emergency response services for base facilities as well as munitions handling within the industrial core area development. This facility brings fire safety capability onto the installation with response times that meet DoD policy.

CURRENT SITUATION: Currently, Letterkenny's existing fire station is located off post in an antiquated, leased facility. The building facility is old, undersized and incapable of supporting the full mission of two fire companies, a headquarters and all the associated apparatus/equipment. Response times from this location are not compliant with DoD policy. Additional waivers of response times for emergency services within the assigned coverage areas have been denied. The leased facility is not antiterrorism and force protection (AT/FP) compliant.

IMPACT IF NOT PROVIDED: If this project is not provided, these continued deficiencies will delay offensive firefighting. Substandard response times, coupled with the leased facilities not being (AT/FP)compliant, puts Soldiers and Army civilians at risk. If not corrected these continued deficiencies could result in loss of life and property.

ADDITIONAL: Utility connections are required to privatized water and wastewater systems. The Army intends to have the water and wastewater Utilities Privatization System Owners make and own the necessary connections up to the facility service disconnect or other defined point of demarcation. Utility connections are required to electric and natural gas systems. In the event of a future Utilities Privatization (UP) action, the Army intends to have the electric and natural gas UP System Owner make and own the necessary connection supply to the facility disconnect or other defined point of demarcation. 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. 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.....	APR 2018
(b) Percent Complete as of January 2021.....	65.00
(c) Date 35% Designed.....	JUL 2020
(d) Date Design Complete.....	OCT 2021
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Letterkenny Army Depot Pennsylvania	4. PROJECT TITLE Fire Station
--	----------------------------------

5. PROGRAM ELEMENT 72896A	6. CATEGORY CODE 73010	7. PROJECT NUMBER 85904	8. PROJECT COST (\$000) Approp 21,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(g) An energy study and life cycle cost analysis will be documented during the final design.

(2) Basis:

(a) Standard or Definitive Design: YES

(b) Where Design Was Most Recently Used:
Yakima Training Center

(c) Percentage of Design utilizing Standard Design ... 95

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

(a) Production of Plans and Specifications..... 1,211

(b) All Other Design Costs..... 303

(c) Total Design Cost..... 1,514

(d) Contract..... 1,211

(e) In-house..... 303

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

(5) Construction Start..... JUN 2022

(6) Construction Completion..... NOV 2023

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

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
	NA		

Installation Engineer: Phone Number: 717-267-9530

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 2022
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	NEW/	CURRENT	PAGE
-----	NUMBER	-----	REQUEST	REQUEST	MISSION	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----
South Carolina		Fort Jackson (IMCOM)					73
	95838	Reception Barracks Complex, Ph2, Incr2	0	34,000	C		75
		Subtotal Fort Jackson Part I	\$ 0	34,000			
		* TOTAL MCA FOR South Carolina	\$ 0	34,000			
		** TOTAL INSIDE THE UNITED STATES FOR MCA	\$ 361,000	464,000			

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1. COMPONENT ARMY		FY 2022 MILITARY CONSTRUCTION PROGRAM							2. DATE 10 MAY 2021			
3. INSTALLATION AND LOCATION Fort Jackson South Carolina			4. COMMAND US Army Installation Management Command					5. AREA CONSTRUCTION COST INDEX 0.87				
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL		
A. AS OF 31 OCT 2020		1132	3847	2061	420	22679	27	142	338	3101	33,747	
B. END FY 2026		1212	4108	2185	433	20441	23	142	338	2234	31,116	
7. INVENTORY DATA (\$000)												
A. TOTAL AREA.....		21,499 ha		(53,124 AC)								
B. INVENTORY TOTAL AS OF 30 SEP 2020.....							5,163,253					
C. AUTHORIZATION NOT YET IN INVENTORY.....							814,078					
D. AUTHORIZATION REQUESTED IN THE FY 2022 PROGRAM.....							34,000					
E. AUTHORIZATION INCLUDED IN THE FY 2023 PROGRAM.....							0					
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0					
G. REMAINING DEFICIENCY.....							644,607					
H. GRAND TOTAL.....							6,655,938					
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2022 PROGRAM:												
CAT							COST	DESIGN STATUS				
CODE	PROJECT TITLE				SCOPE/UM		(\$000)	START	COMPLETE			
61001	Reception Barracks Complex, Ph2, Incr2				80,385.00/SF(7468.01/m2)		34,000	04/2018	09/2019			
							TOTAL	34,000				
9. FUTURE PROJECT APPROPRIATIONS:												
CATEGORY							COST					
CODE	PROJECT TITLE						(\$000)					
A. INCLUDED IN THE FY 2023 PROGRAM: NONE												
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE												
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):							404,650					
10. MISSION OR MAJOR FUNCTIONS:												
Provide Basic Combat Training (BCT)/Initial Entry Training (IET), BCT/IET Management & Development, Advanced Individual Training (AIT), and One-Station Unit Training (OSUT). Provide support to the Soldier Support Institute which includes the Adjutant General School, Finance School, Recruiting & Retention School, and NCO Academy. Provide support to the U.S. Army Chaplain Center & School, Drill Sergeant School, DoD Polygraph Institute, and other tenant units and activities. Provide direct support to United States Army Reserve (USAR) components & training divisions.												
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:												
							(\$000)					
A. AIR POLLUTION							0					
B. WATER POLLUTION							0					
C. OCCUPATIONAL SAFETY AND HEALTH							0					

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1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Fort Jackson South Carolina				4. PROJECT TITLE Reception Barracks Complex, Ph2, Incr2		
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 61001	7. PROJECT NUMBER 95838		8. PROJECT COST (\$000) Approp 34,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						69,668
61001 Reception Processing Center		m2 (SF)	7,468 (80,385)		2,955	(22,067)
72181 Trainee Bks w/BN HQ & CO Ops		m2 (SF)	4,586 (49,364)		2,535	(11,625)
55010 Medical Clinic		m2 (SF)	3,688 (39,692)		4,327	(15,956)
53020 Laboratory (Optical Fabrication)		m2 (SF)	1,182 (12,722)		7,858	(9,287)
00000 Swing Space		LS	--		--	(5,330)
Total from Continuation page(s)						(5,403)
SUPPORTING FACILITIES						9,186
Electric Service		LS	--		--	(1,610)
Water, Sewer, Gas		LS	--		--	(824)
Paving, Walks, Curbs And Gutters		LS	--		--	(1,988)
Storm Drainage		LS	--		--	(737)
Site Imp(2,133) Demo(1,367)		LS	--		--	(3,500)
Information Systems		LS	--		--	(527)
ESTIMATED CONTRACT COST						78,854
CONTINGENCY (5.00%)						3,943
SUBTOTAL						82,797
SUPV, INSP & OVERHEAD (5.70%)						4,719
TOTAL REQUEST						87,516
TOTAL REQUEST (ROUNDED)						88,000
INSTALLED EQT-OTHER APPROP						(6,225)
10. Description of Proposed Construction This is an incrementally funded project. Congress authorized for \$88 million in FY 2020. The first increment (PN 86812) of \$54 million was appropriated in FY2020, the second increment of \$34 million is requested in FY 2022. Construct a standard design Reception Barracks Complex, Phase 2. Primary facilities include a reception processing center, trainee barracks with battalion headquarters and company operations facilities (Trainee Bks w/BN HQ & CO Ops), medical clinic, overhead protection/canopy, general purpose storage facility, swing space, optical fabrication laboratory, running track and building information systems. Building information systems for this project are unique in nature and not included in the unit cost of the buildings. Supporting facilities include fire protection and alarm systems, Utility Monitoring Control System (UMCS) connection, site development and lighting, all utility types with connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, landscaping, and signage. Heating and air conditioning will be provided by connection to a Central Energy Plant (CEP). Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Demolish 3 buildings at Fort Jackson, SC (Total 13,975						

1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA				2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Fort Jackson South Carolina				4. PROJECT TITLE Reception Barracks Complex, Ph2, Incr2			
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 61001		7. PROJECT NUMBER 95838		8. PROJECT COST (\$000) Approp 34,000	
9. COST ESTIMATES (CONTINUED)							
ITEM		UM (M/E)		QUANTITY		UNIT COST	COST (\$000)
PRIMARY FACILITY (CONTINUED)							
44220 General Purpose Storage Facility		m2 (SF)		222.97 (2,400)		1,345	(300)
75027 Running Track		EA		1 --		1384002	(1,384)
14179 Overhead Protection/Canopy		m2 (SF)		678.19 (7,300)		1,076	(730)
00000 Cyber Security Measures		LS		--		--	(750)
Sustainability/Energy Measures		LS		--		--	(704)
Antiterrorism Measures		LS		--		--	(190)
Building Information Systems		LS		--		--	(1,345)
						Total	5,403
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)							
m2/150,428 SF). Air Conditioning (Estimated 394 kW/112 Tons).							
11. REQ: 7,806 m2		ADQT: NONE		SUBSTD: 1,902 m2			
PROJECT: Construct a Reception Barracks Complex, Ph 2, at Fort Jackson, SC. (Current Mission)							
REQUIREMENT: This project is required to provide adequate facilities to satisfy reception requirements and to further consolidate Soldier initial entry processing operations. These facilities will improve housing, food services, material management, and security of operations. Fort Jackson receives and processes trainees and delivers them to basic training within six days (Expedited Processing). The reception unit manages the processing of approximately 50,600 trainees annually. Arriving trainees are assembled into three companies of 480 to 513 trainees each, and three support companies totaling 520 trainees, requiring a total of 2,200 bed spaces.							
CURRENT SITUATION: Existing facilities are sub-standard. Other on-post facilities are not available for renovation; since they are fully utilized. Existing facilities average 38 years of age, with a median construction date of 1972. The Reception Barracks Complex consists of 13 separate buildings. These can process an annual throughput of approximately 30,000 trainees. The reception mission is severely constrained by substandard facilities and an overall deficit of space. Billeting is currently being supplemented by the use of government-owned relocatable buildings. Each of the substandard facilities lacks life, health, and safety measures to include fire suppression and mass notification systems. The reception unit processes trainees within current space by increasing the frequency of logistic deliveries and extending hours of processing.							
IMPACT IF NOT PROVIDED: If this project is not provided, the reception unit will be unable to adequately process trainees. Staff and trainees will continue to work in conditions which do not meet life, health and safety codes, and delays due to insufficient work space and inadequate facilities will persist. The risk to the trainees, staff, and course schedules due to space deficits, constrained space, and impeded safety lanes will affect the integrity of assigned courses, adversely affecting the reception unit's ability to process trainees.							
ADDITIONAL: Utility connections are required to a privatized electric, water, wastewater and natural gas systems. The Army intends to have the electric, water,							

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Fort Jackson South Carolina	4. PROJECT TITLE Reception Barracks Complex, Ph2, Incr2
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5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 61001	7. PROJECT NUMBER 95838	8. PROJECT COST (\$000) Approp 34,000
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ADDITIONAL: (CONTINUED)
wastewater and natural gas Utilities Privatization System Owners make and own the necessary connections up to the facility service disconnect or other defined point of demarcation. 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. 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.

	Authorization (\$000)	Auth of Approp (\$000)	Approp (\$000)
FY 2020 Enacted	\$88,000	\$54,000	\$54,000
FY 2022 Request	0	\$34,000	\$34,000
Total	\$88,000	\$88,000	\$88,000

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started.....	APR 2018
(b) Percent Complete as of January 2021.....	100.00
(c) Date 35% Designed.....	FEB 2019
(d) Date Design Complete.....	SEP 2019
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: YES	
(b) Where Design Was Most Recently Used:	
(c) Percentage of Design utilizing Standard Design ...	50

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Fort Jackson South Carolina	4. PROJECT TITLE Reception Barracks Complex, Ph2, Incr2
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5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 61001	7. PROJECT NUMBER 95838	8. PROJECT COST (\$000) Approp 34,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):	(\$000)
(a) Production of Plans and Specifications.....	2,564
(b) All Other Design Costs.....	654
(c) Total Design Cost.....	3,218
(d) Contract.....	2,564
(e) In-house.....	654
(4) Construction Contract Award.....	JUN 2020
(5) Construction Start.....	JUL 2021
(6) Construction Completion.....	SEP 2023

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

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Trainee Barracks Equipment	OPA	Future Request	62
Building 1895 Medical Equipmen	OPA	Future Request	5,043
Info Sys - ISC	OPA	Future Request	1,120
		Total	6,225

Installation Engineer: Phone Number: 803-751-7684

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2022
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST -----	NEW/ CURRENT MISSION	PAGE -----
Belgium		Belgium Various (IMCOM)				81
		SHAPE Headquarters				
	99293	Command and Control Facility	16,000	16,000	C	83
		Subtotal Belgium Various Part I	----- \$ 16,000	----- 16,000		
		* TOTAL MCA FOR Belgium	\$ 16,000	16,000		

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1. COMPONENT ARMY		FY 2022 MILITARY CONSTRUCTION PROGRAM							2. DATE 10 MAY 2021		
3. INSTALLATION AND LOCATION Belgium Various Belgium			4. COMMAND US Army Installation Management Command					5. AREA CONSTRUCTION COST INDEX 0.92			
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 31 OCT 2020		221	507	876	0	0	0	266	287	1590	3,747
B. END FY 2026		219	494	885	0	0	0	324	352	1804	4,078
7. INVENTORY DATA (\$000)											
A. TOTAL AREA..... 435 ha (1,074 AC)											
B. INVENTORY TOTAL AS OF 31 MAR 2021.....										2,640,358	
C. AUTHORIZATION NOT YET IN INVENTORY.....										111,100	
D. AUTHORIZATION REQUESTED IN THE FY 2022 PROGRAM.....										16,000	
E. AUTHORIZATION INCLUDED IN THE FY 2023 PROGRAM.....										0	
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....										0	
G. REMAINING DEFICIENCY.....										275,183	
H. GRAND TOTAL.....										3,042,641	
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2022 PROGRAM:											
CAT							COST		DESIGN STATUS		
CODE	PROJECT TITLE				SCOPE/UM		(\$000)	START		COMPLETE	
14190	Command and Control Facility				29,666.00/SF(2756.06/m2)		16,000				
							TOTAL	16,000			
9. FUTURE PROJECT APPROPRIATIONS:											
CATEGORY							COST				
CODE	PROJECT TITLE						(\$000)				
A. INCLUDED IN THE FY 2023 PROGRAM: NONE											
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE											
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):										N/A	
10. MISSION OR MAJOR FUNCTIONS:											
Chievres, Belgium Airbase provides a base of operations for the 80th Area Support Group (ASG) and 39th Signal Battalion Headquarters, an operational ASG with an assigned Base Operations (BASOPS) and contingency operations (CONOPS) mission. The 80th ASG supports customers throughout Belgium, the Netherlands, Luxembourg, France, the United Kingdom, and northern Germany; provides a full range of BASOPS support to units and representatives of all service branches, as well as to US government officials assigned to the North Atlantic Treaty Organization (NATO) and to Allied Forces Central (AFCENT), Europe; and maintains a subordinate 254th Base Support Battalion in Schinnen, the Netherlands, and an Area Support Team (NATO Support Activity) in Brussels, Belgium.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:											
										(\$000)	
A. AIR POLLUTION										0	
B. WATER POLLUTION										0	
C. OCCUPATIONAL SAFETY AND HEALTH										0	

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1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION SHAPE Headquarters Belgium (Belgium Various)				4. PROJECT TITLE Command and Control Facility		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 14190	7. PROJECT NUMBER 99293		8. PROJECT COST (\$000) Approp 16,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						14,361
14190 Command & Control Fac (C2F)		m2 (SF)	2,756 (29,666)		3,342	(9,211)
00000 Security Administration Level 6		m2 (SF)	1,753 (18,865)		2,490	(4,363)
00000 Cybersecurity Measures		LS	--		--	(331)
Sustainability/Energy Measures		LS	--		--	(184)
Building Information Systems		LS	--		--	(272)
SUPPORTING FACILITIES						128
Paving, Walks, Curbs And Gutters		LS	--		--	(41)
Site Imp(7) Demo()		LS	--		--	(7)
Information Systems		LS	--		--	(80)
ESTIMATED CONTRACT COST						14,489
CONTINGENCY (5.00%)						724
SUBTOTAL						15,213
SUPV, INSP & OVERHEAD (6.50%)						989
TOTAL REQUEST						16,202
TOTAL REQUEST (ROUNDED)						16,000
INSTALLED EQT-OTHER APPROP						(6,912)
10. Description of Proposed Construction This is the Army's share of a conjunctively funded Allied Command Operations Main Headquarters Building, NATO Project Number (5HQ12006). Construct a non-standard Command and Control Facility (C2F) for the United States (U.S.) component of the North Atlantic Treaty Organization (NATO), Supreme Headquarters Allied Powers Europe (SHAPE) Headquarters. The C2F will be programmed using conventional design and construction. The facility is intended to be compatible with applicable NATO, Department of Defense (DoD), and host-nation design standards. Project includes administrative areas, security detachment ready room, and Restricted Security Administration Area Level 6 operational areas. Building information systems for this project are unique in nature and not included in the unit cost of the building. Sustainability and energy enhancement measures are included. Utilities for this project are provided by the SHAPE Headquarters project. Parking is included. Measures commensurate with the DoD Minimum Antiterrorism for Buildings standards and the American Barriers Act (ABA) will be provided. Comprehensive building and furnishings related interior design services are required. Adherence to TEMPEST security standards and enhanced construction security will be provided in accordance with Intelligence Community Directive (ICD) 705-1. Heating and air conditioning will be provided by connection to the primary SHAPE HQ building, and a redundant self-contained system. Cyber Security Measures will be incorporated into this project. 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 703 kW _r /200 Tons).						

1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION SHAPE Headquarters Belgium (Belgium Various)			4. PROJECT TITLE Command and Control Facility		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 14190	7. PROJECT NUMBER 99293	8. PROJECT COST (\$000) Approp 16,000	
11. REQ:	2,756 m2	ADQT:	NONE	SUBSTD:	2,756 m2
PROJECT: Construct a Command and Control Facility (C2F) for the United States (U.S.) component of the North Atlantic Treaty Organization (NATO), Supreme Headquarters Allied Powers Europe (SHAPE) Headquarters, Belgium. (Current Mission).					
REQUIREMENT: This project is required to provide the Supreme Allied Commander Europe (SACEUR), European Command (EUCOM), and associative agencies with a dedicated C2F for unique, operationally aligned U.S. operations above peacetime establishment positions associated with the NATO SHAPE Headquarters. Facility scope is based on an average daily user load of 150 personnel. Assembled in one facility this organization and its activities will provide a seamless transition of information among partnerships; maintaining their capability to enable and execute a full range of military missions and exercises in concert with their European allies and partners to secure U.S. national interests and support a Europe that is whole, free, and at peace.					
CURRENT SITUATION: Existing facility conditions were assessed with regard to architectural and structural stability, compliance with current safety, health and fire regulations as well as evolution in the organization of the HQ as well as the development in office accommodation, communications to support operations, military/political consultations and personnel support facilities and services. This assessment concluded that the current headquarters facilities built in 1967 are no longer in accordance with existing legislation and standards and do not conform to modern criteria of efficiency, flexibility, protection and security of personnel or the rational use of energy. The construction project to replace the existing headquarters facility is approved by NATO.					
IMPACT IF NOT PROVIDED: If this project is not provided conjunctive to the new NATO SHAPE Headquarters, Supreme Allied Commander, Europe (SACEUR), EUCOM, and their associative agencies will not maintain a resilient C2F capability. This will detract from their mission to enable the NATO alliance while strengthening partnerships and adapting to a complex and dynamic strategic environment. Furthermore, intelligence gathering, assessment, dissemination, and security of operations will further be at risk and efficiencies will be impaired stemming from geographical disconnection of services. Therefore, responsiveness in support of bilateral and multilateral exercises and operations would be severely constrained. This constraint will directly limit theater presence and impair mission capability and readiness and contingency support to EUCOM and its entire area of responsibility.					
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. 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.					
Installation Engineer: Phone Number: 068-27-5339					

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2022
 MILITARY CONSTRUCTION (Part I)
 (DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST -----	NEW/ CURRENT MISSION	PAGE -----
Germany		Germany Various (IMCOM)				87
		East Camp Grafenwoehr				
	93790	EDI: Barracks and Dining Facility Smith Barracks	103,000	103,000	C	89
	90879	Live Fire Exercise Shootouse	16,000	16,000	C	92
	90880	Indoor Small Arms Range	17,500	17,500	C	95
		Subtotal Germany Various Part I	\$ 136,500	136,500		
		* TOTAL MCA FOR Germany	\$ 136,500	136,500		
		** TOTAL OUTSIDE THE UNITED STATES FOR MCA	\$ 152,500	152,500		

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1. COMPONENT ARMY		FY 2022 MILITARY CONSTRUCTION PROGRAM								2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Germany Various Germany				4. COMMAND US Army Installation Management Command						5. AREA CONSTRUCTION COST INDEX 1.14	
6. PERSONNEL STRENGTH:		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	
A. AS OF 31 OCT 2020		4355	17843	12147	6	139	0	3067	7606	18063	63,226
B. END FY 2026		4388	18232	12085	7	167	0	3070	7606	17726	63,281
7. INVENTORY DATA (\$000)											
A. TOTAL AREA.....		46,147 ha		(114,032 AC)							
B. INVENTORY TOTAL AS OF 30 SEP 2020.....							40,864,690				
C. AUTHORIZATION NOT YET IN INVENTORY.....							1,792,501				
D. AUTHORIZATION REQUESTED IN THE FY 2022 PROGRAM.....							136,500				
E. AUTHORIZATION INCLUDED IN THE FY 2023 PROGRAM.....							0				
F. PLANNED IN NEXT THREE YEARS (NEW MISSION ONLY).....							0				
G. REMAINING DEFICIENCY.....							3,038,529				
H. GRAND TOTAL.....							45,832,220				
8. PROJECT APPROPRIATIONS REQUESTED IN THE FY 2022 PROGRAM:											
CAT							COST	DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE/UM				(\$000)	START	COMPLETE			
17879	Live Fire Exercise Shootouse	1.00/EA(1.00/EA)				16,000	04/2018	10/2021			
17121	Indoor Small Arms Range	22,937.00/SF(2130.92/m2)				17,500	03/2019	10/2021			
72114	EDI: Barracks and Dining Facility	65,865.00/SF(6119.06/m2)				103,000	06/2019	10/2021			
						TOTAL	136,500				
9. FUTURE PROJECT APPROPRIATIONS:											
CATEGORY							COST				
CODE	PROJECT TITLE					(\$000)					
A. INCLUDED IN THE FY 2023 PROGRAM: NONE											
B. PLANNED NEXT THREE PROGRAM YEARS (NEW MISSION ONLY): NONE											
C. DEFERRED SUSTAINMENT, RESTORATION, AND MODERNIZATION (SRM):							4,170,565				
10. MISSION OR MAJOR FUNCTIONS:											
Installations support US Army, Europe and Seventh Army (USAREUR), a trained and ready force capable of rapidly responding and operating jointly in support of US European Command (EUCOM) theater strategy. Installations serve as a base for projecting power in and out of the EUCOM area of responsibility by providing facilities for training, maintaining, housing, and supporting USAREUR's subordinate and supporting units/organizations.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:											
							(\$000)				
A. AIR POLLUTION							0				
B. WATER POLLUTION							0				
C. OCCUPATIONAL SAFETY AND HEALTH							0				

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1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION East Camp Grafenwoehr Germany (Germany Various)				4. PROJECT TITLE EDI: Barracks and Dining Facility		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 72114	7. PROJECT NUMBER 93790		8. PROJECT COST (\$000) Approp 103,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						62,705
72114 Transient Training Barracks		m2 (SF)	6,119 (65,865)		3,382	(20,697)
72212 Dining Facility		m2 (SF)	2,117 (22,791)		10,370	(21,956)
74028 Physical Fitness Facility		m2 (SF)	1,974 (21,248)		4,588	(9,057)
89120 Area Distribution Node		m2 (SF)	79.90 (860)		5,172	(413)
81160 Redundant Power		EA	2 --		102,671	(205)
Total from Continuation page(s)						(10,377)
SUPPORTING FACILITIES						29,538
Electric Service		LS	--		--	(1,088)
Water, Sewer, Gas		LS	--		--	(1,839)
Steam/Chilled Water Distribution		LS	--		--	(2,698)
Paving, Walks, Curbs And Gutters		LS	--		--	(2,523)
Storm Drainage		LS	--		--	(104)
Site Imp(17,146) Demo()		LS	--		--	(17,146)
Information Systems		LS	--		--	(3,662)
Antiterrorism Measures		LS	--		--	(478)
ESTIMATED CONTRACT COST						92,243
CONTINGENCY (5.00%)						4,612
SUBTOTAL						96,855
SUPV, INSP & OVERHEAD (6.50%)						6,296
TOTAL REQUEST						103,151
TOTAL REQUEST (ROUNDED)						103,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct Transient Training Barracks, Dining Facility and a physical fitness facility with an area distribution node, redundant power, fire protection tank/pump facilities, heating plant with equipment, and special foundations. Work also includes building information systems, antiterrorism measures, Intrusion Detection Systems (IDS) installation, and Energy Monitoring Control System connections. Supporting facilities include utility connections, fire protection and alarm systems, paving, walks, curbs, and gutters, site clearing and grading, and landscaping, Low impact development Best Management Practices (LID-BMPs). Heating will be provided by connection to a central heat plant. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance.						
11. REQ: 4,891 PN		ADQT: NONE		SUBSTD: 3,153 PN		
PROJECT: Construct Barracks and Dining Facility at Grafenwoehr Training Area, Germany. (Current Mission)						
REQUIREMENT: This project is required to comply with the European Deterrence Initiative						

1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION East Camp Grafenwoehr Germany (Germany Various)				4. PROJECT TITLE EDI: Barracks and Dining Facility		
5. PROGRAM ELEMENT 22096A		6. CATEGORY CODE 72114	7. PROJECT NUMBER 93790		8. PROJECT COST (\$000) Approp 103,000	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
PRIMARY FACILITY (CONTINUED)						
89144 Fire Protection Tank/Pump Fac		EA	1 --		977,835	(978)
89121 Heating Plant w/Equipment		m2 (SF)	929.03 (10,000)		4,006	(3,722)
00000 Special Foundations		LS	--		--	(1,885)
00000 Cyber Security Measures		EA	3 --		210,387	(631)
Sustainability/Energy Measures		LS	--		--	(1,467)
					Total	8,683
REQUIREMENT: (CONTINUED)						
<p>(EDI) and the Continuing Appropriations Act of 2015 in support of Operation Atlantic Resolve, which includes military exercises and training on land, in the air, and at sea while sustaining a rotational presence throughout Europe. To ensure mission performance is conducted in a safe and professional manner, adequate training is required, as NATO member nations deploy their assets to Grafenwoehr on a rotational basis. A key enabler for training and combat operations is substantial infrastructure to support military activities. The Operational Readiness Training Complex (ORTC) is developed to accommodate all types of Brigade Combat Teams (BCT), other modular functional brigades, legacy (non-modular) brigades, and their associated battalion headquarters structures.</p> <p><u>CURRENT SITUATION:</u> Currently there are no adequate facilities capable of supporting U.S. rotational training operations at Grafenwoehr. Rotational forces are being forced to live in substandard facilities built in 1952. In order to meet current training loads, Soldiers are being forced to live in less than 35 net square feet of billeting space, well below Army Standards. Due to the age and construction of the facilities, many facilities within the footprint have asbestos and DDT contamination.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, adequate barracks and dining facilities capable of supporting rotational forces will not be available to the DoD or its allies and partners. Therefore, responsiveness for bilateral and multilateral exercises and training missions would be compromised. This limitation will impede readiness and restrict training schedules, directly limiting theater presence and impairing mission capability, readiness, and contingency support to Operation Atlantic Resolve.</p> <p><u>ADDITIONAL:</u> Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. 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. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project and will follow the guidance detailed in the Army Sustainable Design and Development Policy - complying with applicable laws and executive orders.</p> <p><u>NATO SECURITY INVESTMENT:</u> This project is not within an established NATO infrastructure</p>						

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION East Camp Grafenwoehr Germany (Germany Various)	4. PROJECT TITLE EDI: Barracks and Dining Facility
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5. PROGRAM ELEMENT 22096A	6. CATEGORY CODE 72114	7. PROJECT NUMBER 93790	8. PROJECT COST (\$000) Approp 103,000
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NATO SECURITY INVESTMENT: (CONTINUED)
category of common funding nor is it expected to become eligible in the foreseeable future.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started.....	JUN 2019
(b) Percent Complete as of January 2021.....	35.00
(c) Date 35% Designed.....	DEC 2020
(d) Date Design Complete.....	OCT 2021
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(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.....	5,558
(b) All Other Design Costs.....	1,390
(c) Total Design Cost.....	6,948
(d) Contract.....	5,558
(e) In-house.....	1,390

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

(5) Construction Start..... SEP 2022

(6) Construction Completion..... SEP 2026

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>
	NA		

Installation Engineer: Phone Number: 09641-70-526-4379

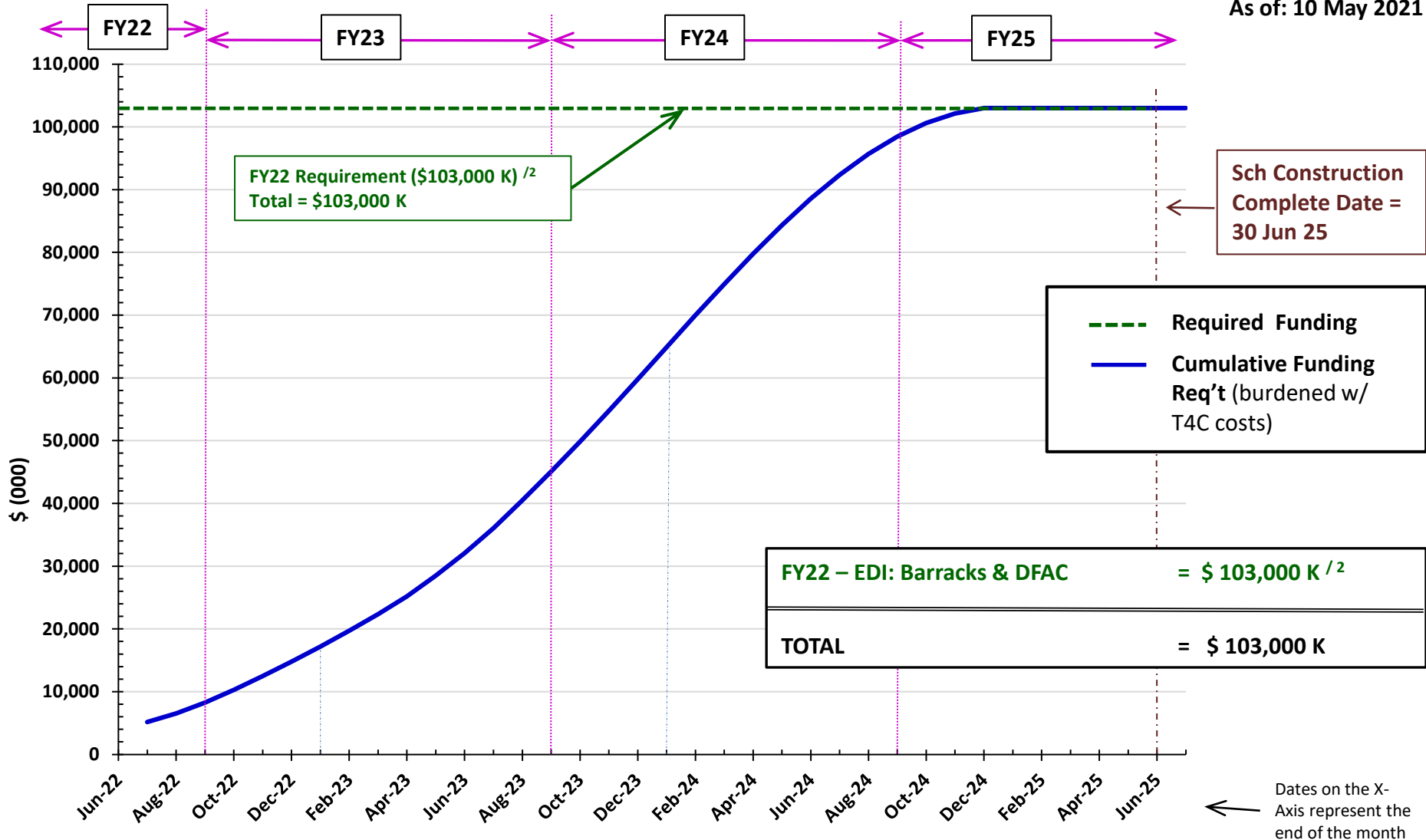


Work In Place (WIP) Curve – Grafenwoehr Training Area, GE

FY 2022 – EDI: Barracks and Dining Facility

Programmed Amount = \$103,000 K ^{/1} / Sch Award Date = **1 Jul 22**

As of: 10 May 2021



Note 1: Project submitted in the FY22 Budget Request at \$103,000 K

Note 2: This project will be awarded by the German Bauamt. They do not allow incrementally funded projects. The Bauamt will not make an award until they have the full funding in hand.

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1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Smith Barracks Germany (Germany Various)				4. PROJECT TITLE Live Fire Exercise Shoothouse		
5. PROGRAM ELEMENT 22212A		6. CATEGORY CODE 17879	7. PROJECT NUMBER 90879		8. PROJECT COST (\$000) Approp 16,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						12,111
17879 SOF Shoothouse Complex & ROCA		EA	1 --		10991845	(10,992)
17122 Operations Storage Bldg		m2 (SF)	37.16 (400)		6,289	(234)
73075 Latrine		m2 (SF)	19.05 (205)		20,507	(391)
00000 Cyber Security Measures		EA	1 --		250,000	(250)
Sustainability/Energy Measures		LS	--		--	(231)
Building Information Systems		LS	--		--	(13)
<u>SUPPORTING FACILITIES</u>						2,131
Electric Service		LS	--		--	(390)
Water, Sewer, Gas		LS	--		--	(170)
Paving, Walks, Curbs And Gutters		LS	--		--	(91)
Storm Drainage		LS	--		--	(36)
Site Imp(1,310) Demo()		LS	--		--	(1,310)
Information Systems		LS	--		--	(134)
ESTIMATED CONTRACT COST						14,242
CONTINGENCY (5.00%)						712
SUBTOTAL						14,954
SUPV, INSP & OVERHEAD (6.50%)						972
TOTAL REQUEST						15,926
TOTAL REQUEST (ROUNDED)						16,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct a standard Special Operations Forces (SOF) Live Fire Exercise Shoot House Complex. Primary facilities include: a shoot house structure, a latrine, a range operation & control area (ROCA), operations storage building, and Building Information Systems. This Live Fire Shoot House is a 2 story, non-ricochet producing, ballistic capturing structure. Walls/roof panels will be designed to stop and capture all rounds fired. Observation catwalks with ballistic shields are included. Building information systems for this project are unique in nature and not included in the unit cost of the buildings. Supporting facilities for the project include electric service, parking, paving, walks, curbs, gutters, and information systems. Heating will be provided by self-contained systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance.						
11. REQ: 1 EA		ADQT: NONE		SUBSTD: NONE		
PROJECT: Construct a Live Fire Exercise Shoot House at Smith Barracks, Germany. (Current Mission)						
REQUIREMENT: This project is required to provide a facility to train and evaluate the unit during a live fire exercise simulating combat inside of urban structures. Units are trained and evaluated on their ability to move tactically (enter and clear a room; enter						

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Smith Barracks Germany (Germany Various)	4. PROJECT TITLE Live Fire Exercise Shoothouse
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5. PROGRAM ELEMENT 22212A	6. CATEGORY CODE 17879	7. PROJECT NUMBER 90879	8. PROJECT COST (\$000) Approp 16,000
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REQUIREMENT: (CONTINUED)
and clear a building), engage targets, conduct breaches and practice target discrimination. This project supports Special Operations Forces. Active component Soldiers required to deploy must have training in a live fire environment. The total number of training days available to support live fire shooting in an urban zone defines the throughput gunnery needs. Based on an analysis of Range Throughput, this project supports the number of Soldiers who require this training.

CURRENT SITUATION: Special Operations Forces (SOF) currently do not have a Shoothouse facility at Smith Barracks. The nearest Live Fire Shoot House is located 340 km/270 miles away at Grafenwoehr Training Area. Increased training requirements generated from lessons learned from deployed units dictate the need for an increase in live fire shooting training events. The number of assigned units and frequency of this training drives the need for live fire training facilities.

IMPACT IF NOT PROVIDED: If this facility is not provided, the SOF Soldiers will not be able to obtain and maintain efficiency for live fire training in urban environments. These units will not be able to train to standard. The gap between equipment fielding and training will widen. Ultimately Soldiers may enter future combat less than fully prepared to employ the full capabilities of their weapons and equipment.

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 no physical security measures are required. No antiterrorism protection measures are required. 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. 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.....	APR 2018
(b) Percent Complete as of January 2021.....	35.00
(c) Date 35% Designed.....	DEC 2020
(d) Date Design Complete.....	OCT 2021
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	
(2) Basis:	
(a) Standard or Definitive Design: YES	
(b) Where Design Was Most Recently Used:	

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Smith Barracks Germany (Germany Various)	4. PROJECT TITLE Live Fire Exercise Shoothouse
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5. PROGRAM ELEMENT 22212A	6. CATEGORY CODE 17879	7. PROJECT NUMBER 90879	8. PROJECT COST (\$000) Approp 16,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

Fort Campbell

(c) Percentage of Design utilizing Standard Design ... 90

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

(a) Production of Plans and Specifications..... 508

(b) All Other Design Costs..... 127

(c) Total Design Cost..... 635

(d) Contract..... 508

(e) In-house..... 127

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

(5) Construction Start..... AUG 2022

(6) Construction Completion..... JUL 2025

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>
	NA		

Installation Engineer: Phone Number: 09641-70-526-4379

1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Smith Barracks Germany (Germany Various)				4. PROJECT TITLE Indoor Small Arms Range		
5. PROGRAM ELEMENT 22212A		6. CATEGORY CODE 17121	7. PROJECT NUMBER 90880		8. PROJECT COST (\$000) Approp 17,500	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						13,135
17121 Indoor Firing Range		m2 (SF)	2,131 (22,937)		5,886	(12,543)
00000 Cyber Security Measures		EA	1 --		250,000	(250)
Sustainability/Energy Measures		LS	--		--	(251)
Building Information Systems		LS	--		--	(91)
SUPPORTING FACILITIES						2,437
Electric Service		LS	--		--	(27)
Water, Sewer, Gas		LS	--		--	(184)
Paving, Walks, Curbs And Gutters		LS	--		--	(143)
Storm Drainage		LS	--		--	(32)
Site Imp(1,410) Demo(430)		LS	--		--	(1,840)
Information Systems		LS	--		--	(211)
ESTIMATED CONTRACT COST						15,572
CONTINGENCY (5.00%)						779
SUBTOTAL						16,351
SUPV, INSP & OVERHEAD (6.50%)						1,063
TOTAL REQUEST						17,414
TOTAL REQUEST (ROUNDED)						17,500
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Construct a standard design Indoor Small Arms Range consisting of an indoor firing range with shooting lanes, weapons cleaning area, range officer control booth, administrative offices, and a latrine. The building includes heating, ventilation, and air conditioning (HVAC) for a shooting range, a lighting system designed to accommodate lighted shooting as well as night vision equipment, and connection to Energy Monitoring and Control Systems (EMCS). Fire detection, fire suppression, surveillance, and access control systems will be provided. Supporting facilities include electric service, water, sewer, and gas, walks, curbs and gutters, site improvements, and information systems. Heating will be provided by a self-contained unit and air conditioning will be provided by a central energy plant. Antiterrorism/force protection measures include fencing and exterior lighting. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Demolish 2 buildings at Baumholder Tac Def, GY (Total 2,160 m2/23,246 SF). Air Conditioning (Estimated 380 kW/108 Tons).						
11. REQ: 2,137 m2		ADQT: NONE		SUBSTD: NONE		
PROJECT: Construct an Indoor Small Arms Range at Smith Barracks, Germany. (Current Mission)						

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Smith Barracks Germany (Germany Various)	4. PROJECT TITLE Indoor Small Arms Range
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5. PROGRAM ELEMENT 22212A	6. CATEGORY CODE 17121	7. PROJECT NUMBER 90880	8. PROJECT COST (\$000) Approp 17,500
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REQUIREMENT: This project is required to support training of the Special Forces Group. The Special Operations Forces standard-design Indoor Baffle Range is required to provide mission enhancing realistic and challenging concurrent training for a secure all weather weapons training facility supporting initial and sustainment live fire reducing the exposure/signature of the unit. Indoor range supports calibration of night-vision-goggles (NVG) and weapons zero prior to deployments.

CURRENT SITUATION: No training facility of this type currently exists at Smith Barracks. Existing training facilities do not support multi-faceted requirements of Indoor Range environments for realistic training. The requirement for Indoor Range training involves safety features not available with traditional existing training facilities.

IMPACT IF NOT PROVIDED: If this project is not provided, the Soldiers of Special Forces Group, which will be based on Smith Barracks for training, will not be able to fully exercise operational engagement procedures. The Soldiers and units will not receive complete exposure to training standards representing an adverse impact to sustained combat proficiency.

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. 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.....	MAR 2019
(b) Percent Complete as of January 2021.....	35.00
(c) Date 35% Designed.....	DEC 2020
(d) Date Design Complete.....	OCT 2021
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

(2) Basis:

(a) Standard or Definitive Design: NO

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

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Smith Barracks Germany (Germany Various)	4. PROJECT TITLE Indoor Small Arms Range
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5. PROGRAM ELEMENT 22212A	6. CATEGORY CODE 17121	7. PROJECT NUMBER 90880	8. PROJECT COST (\$000) Approp 17,500
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(a) Production of Plans and Specifications.....	0
(b) All Other Design Costs.....	<u>1,005</u>
(c) Total Design Cost.....	<u>1,005</u>
(d) Contract.....	<u>804</u>
(e) In-house.....	<u>201</u>
 (4) Construction Contract Award.....	 <u>JUN 2022</u>
 (5) Construction Start.....	 <u>AUG 2022</u>
 (6) Construction Completion.....	 <u>JUL 2025</u>

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>
	NA		

Installation Engineer: Phone Number: 09641-70-526-4379

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DEPARTMENT OF THE ARMY
FISCAL YEAR 2022
MILITARY CONSTRUCTION (Part I)
(DOLLARS ARE IN THOUSANDS)

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION CURRENT REQUEST MISSION -----	NEW/ MISSION -----	PAGE -----
Worldwide	Various	Classified Worldwide Location (WORLDWD)				
	81995	Forward Operating Site	31,000	31,000	C	101
		Subtotal Classified Worldwide Location Part I	\$ 31,000	31,000		
		Planning and Design (PLANDES)				
		Planning and Design Host Nation				
	89113	Host Nation Support	0	27,000		105
	89112	Planning and Design	0	124,649		107
		Subtotal Planning and Design Part I	\$ 0	151,649		
		Minor Construction (MINOR)				
	89110	Minor Construction	0	35,543		111
		Subtotal Minor Construction Part I	\$ 0	35,543		
		* TOTAL MCA FOR Worldwide Various	\$ 31,000	218,192		
		** TOTAL WORLDWIDE FOR MCA	\$ 31,000	218,192		
		MILITARY CONSTRUCTION (PART I) TOTAL	\$ 544,500	834,692		

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1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Classified Worldwide Worldwide Various				4. PROJECT TITLE Forward Operating Site		
5. PROGRAM ELEMENT 01010A		6. CATEGORY CODE 72111	7. PROJECT NUMBER 81995		8. PROJECT COST (\$000) Approp 31,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						18,644
72111 Barracks		m2 (SF)	2,411 (25,950)		2,646	(6,379)
72210 Dining Fac w/ Canopy		m2 (SF)	636.57 (6,852)		4,152	(2,643)
74034 Community Activities Center		m2 (SF)	519.33 (5,590)		2,899	(1,506)
14132 Ready Building		m2 (SF)	604.24 (6,504)		3,260	(1,970)
13120 Communications Center		m2 (SF)	81.48 (877)		6,960	(567)
Total from Continuation page(s)						(5,579)
SUPPORTING FACILITIES						9,268
Electric Service		LS	--		--	(1,252)
Water, Sewer, Gas		LS	--		--	(2,757)
Paving, Walks, Curbs And Gutters		LS	--		--	(431)
Storm Drainage		LS	--		--	(540)
Site Imp(3,234) Demo(67)		LS	--		--	(3,301)
Information Systems		LS	--		--	(728)
Antiterrorism Measures		LS	--		--	(259)
ESTIMATED CONTRACT COST						27,912
CONTINGENCY (5.00%)						1,396
SUBTOTAL						29,308
SUPV, INSP & OVERHEAD (6.50%)						1,905
TOTAL REQUEST						31,213
TOTAL REQUEST (ROUNDED)						31,000
INSTALLED EQT-OTHER APPROP						(3,097)
10. Description of Proposed Construction Construct a Forward Operating Site to include barracks, dining facility with canopy, community activities center, ready building, communications center, vehicle storage facility with canopies, access control that relocates and reuses guard booth, public works maintenance facility and warehouse, redundant power, substation with enclosure, hazardous material (HAZMAT) storage, and building information systems. Construction will be semi-permanent and consistent with host-nation standards and capabilities. Utilities will include electric substation and redundant power and fuel storage, power distribution, water storage and distribution, and sewer collection. Building information systems for this project are unique in nature and not included in the unit cost of the buildings. Supporting facilities will include antiterrorism measures, site development, utilities and connections, lightning protection as needed, lighting, paving, parking, walks, storm drainage, information systems, curbs and gutters, signage, and site improvements. Heating and air conditioning will be provided by self-contained systems. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Cyber Security Measures will be incorporated into this project. Sustainability/Energy measures will be provided. Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance. Demolish 6 buildings at Various OCONUS Locations, OC (Total 176 m2/1,890 SF). Air Conditioning (Estimated 633 kW/180						

1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Classified Worldwide Worldwide Various				4. PROJECT TITLE Forward Operating Site		
5. PROGRAM ELEMENT 01010A		6. CATEGORY CODE 72111	7. PROJECT NUMBER 81995		8. PROJECT COST (\$000) Approp 31,000	
9. COST ESTIMATES (CONTINUED)						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST (\$000)
PRIMARY FACILITY (CONTINUED)						
44263 Vehicle Storage Fac w/ Canopies		m2 (SF)	512.36 (5,515)		1,283	(658)
21925 Maintenance Facility & Warehouse		m2 (SF)	518.12 (5,577)		2,591	(1,342)
14113 Relocate & Reuse Guard Booth		m2 (SF)	9.29 (100)		1,968	(18)
81160 Redundant Power		EA	1 --		419,795	(420)
81320 Substation with Enclosure		EA	1 --		786,576	(787)
44228 HAZMAT Storage Building		m2 (SF)	18.58 (200)		5,206	(97)
00000 Cyber Security Measures		LS	--		--	(750)
Sustainability/Energy Measures		LS	--		--	(320)
Antiterrorism Measures		LS	--		--	(320)
Building Information Systems		LS	--		--	(867)
					Total	5,579
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
Tons).						
11. REQ: 2,411 m2 ADQT: NONE SUBSTD: NONE						
PROJECT: Construct a Forward Operating Site at Worldwide various locations. (Current Mission)						
REQUIREMENT: This project is required to provide Life Support Area facilities for 150 U.S. and host nation Soldiers, civilians and contractors. The personnel support the operations of the Army/Navy Transportable Radar Surveillance system, a component of the Ballistic Missile Defense System (BMDS) being deployed by MDA (Missile Defense Agency).						
CURRENT SITUATION: This is a recent deployment to an austere location. The existing site lacks infrastructure needed to provide life support to deployed forces.						
IMPACT IF NOT PROVIDED: Without this project the unit supporting the Army/Navy Transportable Radar Surveillance will continue to be hindered in their ability to efficiently operate and secure this portion of the Ballistic Missile Defense System (BMDS).						
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. 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 Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Classified Worldwide Worldwide Various	4. PROJECT TITLE Forward Operating Site
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5. PROGRAM ELEMENT 01010A	6. CATEGORY CODE 72111	7. PROJECT NUMBER 81995	8. PROJECT COST (\$000) Approp 31,000
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(a) Date Design Started.....	OCT 2018
(b) Percent Complete as of January 2021.....	65.00
(c) Date 35% Designed.....	OCT 2019
(d) Date Design Complete.....	DEC 2021
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(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.....	1,908
(b) All Other Design Costs.....	477
(c) Total Design Cost.....	2,385
(d) Contract.....	1,908
(e) In-house.....	477
(4) Construction Contract Award.....	JUN 2022
(5) Construction Start.....	AUG 2022
(6) Construction Completion.....	MAR 2024

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

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Dining Facility (Equipment)	OPA	Future Request	242
Intrusion Detection System (ID	OPA	Future Request	69
Info Sys - ISC	OPA	Future Request	382
Info Sys - PROP	OPA	Future Request	2,404
		Total	3,097

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1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Planning and Design Host Nation Worldwide Various (Planning and Design)				4. PROJECT TITLE Host Nation Support		
5. PROGRAM ELEMENT 91211A		6. CATEGORY CODE 96400	7. PROJECT NUMBER 89113		8. PROJECT COST (\$000) Approp 27,000	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						27,000
00000 Planning & Design - Host Nation		LS	--		--	(27,000)
<u>SUPPORTING FACILITIES</u>						
ESTIMATED CONTRACT COST						27,000
CONTINGENCY (0.00%)						0
SUBTOTAL						27,000
SUPV, INSP & OVERHEAD (0.00%)						0
TOTAL REQUEST						27,000
TOTAL REQUEST (ROUNDED)						27,000
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Planning and Design for Host Nation construction. This item provides for criteria development, and design and construction surveillance for projects funded by foreign nations where U.S. Forces are the sole or primary user. 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.						
11. REQ: NA ADQT: NA SUBSTD: NA PROJECT: Planning and design funds. REQUIREMENT: This funding is required to represent U.S. interests during the planning, design, and construction of projects funded by foreign governments, when U.S. Forces are sole or primary users. The Host Nation Support funds are required to assure that the facilities provided conform to the Services' operation and mission needs, and to U.S. life safety criteria. The Army is the executive agent for the Department of Defense for Host Nation Construction in the Pacific. The programs provide nearly all the new construction in Japan, and much of the new construction in Korea. Host Nation Support funds are also used to oversee projects in Europe and NATO funds recoupment. The U.S. Army Corps of Engineers is responsible for providing the criteria, reviewing designs, and monitoring the construction. The three parts of the Host Nation Support effort are Criteria Package Preparation, (defines the functional requirements and specifies the health, fire, operational, functional, and life safety needs), Design Surveillance (ensures compliance with criteria packages, efficient operation and maintenance, and life						

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Planning and Design Host Nation Worldwide Various (Planning and Design)	4. PROJECT TITLE Host Nation Support
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5. PROGRAM ELEMENT 91211A	6. CATEGORY CODE 96400	7. PROJECT NUMBER 89113	8. PROJECT COST (\$000) Approp 27,000
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REQUIREMENT: (CONTINUED)
safety, fire protection, and environmental compliance)and Construction Surveillance,
(ensures conformance to design documents, reviews submittals, monitors construction
phasing for users, and protects against latent deficiencies).

1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Planning and Design Worldwide Various				4. PROJECT TITLE Planning and Design		
5. PROGRAM ELEMENT 91211A		6. CATEGORY CODE 96100	7. PROJECT NUMBER 89112		8. PROJECT COST (\$000) Approp 109,854	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u> 00000 Planning & Design		LS	--		--	(109,854)
<u>SUPPORTING FACILITIES</u>						
ESTIMATED CONTRACT COST						109,854
CONTINGENCY (0.00%)						0
SUBTOTAL						109,854
SUPV, INSP & OVERHEAD (0.00%)						0
TOTAL REQUEST						109,854
TOTAL REQUEST (ROUNDED)						109,854
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Planning and Design to support the construction program. This item provides for parametric, concept, and final design of major and unspecified minor construction projects, value engineering, and the development of standards and criteria for Army facilities in conjunction with the Navy and Air Force. 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.						
11. REQ: NA ADQT: NA SUBSTD: NA PROJECT: Planning and design funds. REQUIREMENT: This funding is required to provide design and engineering services for regular Military Construction, Army (MCA) and Unspecified Minor projects, including value engineering, and continued development of design criteria and standard designs (conventional functional layouts). This account is dissimilar to any other line item in the Army's MCA budget in that it is reflective of an operations expense, versus a defined scope of a single construction project. Funds will be used by the U.S. Army Corps of Engineers (USACE) districts for in-house designs, Architect-Engineer (A-E) contracts, and administrative support functions. These funds are required for accomplishment of final correction, review, reproduction and advertisement of projects in the FY 2022 program; for advancement to final design of projects in FY 2023 and for initiation of design of						

1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Planning and Design Worldwide Various				4. PROJECT TITLE EDI: Planning and Design		
5. PROGRAM ELEMENT 91211A		6. CATEGORY CODE 96100	7. PROJECT NUMBER 89112		8. PROJECT COST (\$000) Approp 14,795	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						
00000 EDI Planning & Design		LS	--		--	(14,795)
SUPPORTING FACILITIES						
ESTIMATED CONTRACT COST						14,795
CONTINGENCY (0.00%)						0
SUBTOTAL						14,795
SUPV, INSP & OVERHEAD (0.00%)						0
TOTAL REQUEST						14,795
TOTAL REQUEST (ROUNDED)						14,795
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Planning and Design to support the construction program. This item provides for parametric, concept, and final design of major and unspecified minor construction projects, value engineering, and the development of standards and criteria for Army facilities in conjunction with the Navy and Air Force. This item also includes planning and design to provide parametric, concept, and final design for construction projects in the support of the European Deterrence Initiative (EDI). 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.						
11. REQ: NA ADQT: NA SUBSTD: NA PROJECT: Planning and design funds. REQUIREMENT: This funding is required to provide design and engineering services for regular Military Construction, Army (MCA) and Unspecified Minor projects, including value engineering, and continued development of design criteria and standard designs (conventional functional layouts). This account is dissimilar to any other line item in the Army's MCA budget in that it is reflective of an operations expense, versus a defined scope of a single construction project. Funds will be used by the U.S. Army Corps of Engineers (USACE) districts for in-house designs, Architect-Engineer (A-E) contracts, and administrative support functions. These funds are required for accomplishment of final correction, review, reproduction and advertisement of projects in the FY 2022 program; for advancement to final design of projects in FY 2023 and for initiation of design of						

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1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Minor Construction Worldwide Various				4. PROJECT TITLE Minor Construction		
5. PROGRAM ELEMENT 91211A		6. CATEGORY CODE 96200	7. PROJECT NUMBER 89110		8. PROJECT COST (\$000) Approp 32,053	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u> 00000 Minor Construction Facilities		LS	--		--	(32,053)
<u>SUPPORTING FACILITIES</u>						
ESTIMATED CONTRACT COST						32,053 0
CONTINGENCY (0.00%)						32,053 0
SUBTOTAL						32,053 0
SUPV, INSP & OVERHEAD (0.00%)						32,053 0
TOTAL REQUEST						32,053 (0)
TOTAL REQUEST (ROUNDED)						32,053 (0)
INSTALLED EQT-OTHER APPROP						32,053 (0)
10. Description of Proposed Construction Provision is made for future unspecified minor construction projects including construction, alteration, or conversion of permanent or temporary facilities as authorized under Title 10 USC 2805. Projects awarded with these funds must cost more than \$2,000,000 while not exceeding \$6,000,000. If located in the United States, or its territories, commonwealths, and possessions, the cost may be adjusted according to DoD's published local construction cost index not to exceed \$10,000,000. 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.						
11. REQ: NA ADQT: NA SUBSTD: NA						
PROJECT: Minor military construction, worldwide.						
REQUIREMENT: This line item is needed to provide for unspecified projects for which the need cannot reasonably be foreseen nor justified in time to be included in this Military Construction, Army program.						
CURRENT SITUATION: These urgent unforeseen projects address high national priorities such as critical mission requirements, environmental protection, health, and safety. These projects can not wait until the next annual budget submission.						
IMPACT IF NOT PROVIDED: If not provided, the Army will not be able to address urgent and unforeseen requirements that arise during the year.						

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1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Minor Construction Worldwide Various				4. PROJECT TITLE EDI: Minor Construction		
5. PROGRAM ELEMENT 91211A		6. CATEGORY CODE 96200	7. PROJECT NUMBER 89110		8. PROJECT COST (\$000) Approp 3,490	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
<u>PRIMARY FACILITY</u>						
00000 EDI Minor Construction Facs		LS	--		--	(3,490)
<u>SUPPORTING FACILITIES</u>						
ESTIMATED CONTRACT COST						3,490
CONTINGENCY (0.00%)						0
SUBTOTAL						<u>3,490</u>
SUPV, INSP & OVERHEAD (0.00%)						0
TOTAL REQUEST						<u>3,490</u>
TOTAL REQUEST (ROUNDED)						3,490
INSTALLED EQT-OTHER APPROP						3,490 (0)
10. Description of Proposed Construction Provision is made for future unspecified minor construction projects including construction, alteration, or conversion of permanent or temporary facilities as authorized under Title 10 USC 2805. Projects awarded with these funds must cost more than \$2,000,000 while not exceeding \$6,000,000. This is specific for support of the European Deterrence Initiative (EDI) facilities. 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.						
11. REQ: NA		ADQT: NA		SUBSTD: NA		NA
PROJECT: Minor military construction, worldwide.						
REQUIREMENT: This line item is needed to provide for unspecified projects for which the need cannot reasonably be foreseen nor justified in time to be included in this Military Construction, Army program.						
CURRENT SITUATION: These urgent unforeseen projects address high national priorities such as critical mission requirements, environmental protection, health, and safety. These projects can not wait until the next annual budget submission.						
IMPACT IF NOT PROVIDED: If not provided, the Army will not be able to address urgent and unforeseen requirements that arise during the year.						

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Host Country In-Kind Contributions
 Republic of Korea Funded Construction
 Calendar Year (CY) 2022
 Part IA

<u>PROJECT NUMBER</u>	<u>PROJECT DESCRIPTION</u>	<u>(\$000)</u>	<u>NEW/CURRENT MISSION</u>	<u>PAGE</u>
	Camp Humphreys			
91747	Type 1 Aircraft Parking Apron & Parallel Taxiway, A16R501	\$ 48,000	c	3
94008	Unaccompanied Enlisted Personnel Housing, A17R200	\$ 52,000	c	7
	Total	\$ 100,000		

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1. COMPONENT Army		REPUBLIC OF KOREA FUNDED CONSTRUCTION (ROKFC)			2. DATE 10 May 2021			
3. INSTALLATION AND LOCATION Camp Humphreys Korea				4. PROJECT TITLE Type I Aircraft Parking Apron & Parallel Taxiway, A16R501				
5. PROGRAM ELEMENT		6. CATEGORY CODE 113 20	7. PROJECT NUMBER 91747		8. PROJECT COST (\$000) 48,000			
9. COST ESTIMATES								
ITEM					UM	QUANTITY	UNIT COST	COST(\$000)
PRIMARY FACILITY								33,073
Aircraft Parking Apron (PCC)					m2	175,701	173.23	(30,437)
Warm-up Apron					m2	8,811	167.97	(1,480)
Taxiway Pavement #A					m2	3,775	150.30	(567)
Taxiway Pavement #B					m2	4,421	133.12	(589)
SUPPORTING FACILITIES								9,960
Electric Service					LS	--	--	(1,294)
Water, Sewer, Gas					LS	--	--	(1,018)
Paving, Walks, Curbs And Gutters					LS	--	--	(386)
Storm Drainage					LS	--	--	(1,256)
Site Imp(3,645) Demo(2,361)					LS	--	--	(6,006)
ESTIMATED CONTRACT COST								43,033
CONTINGENCY (5.00%)								2,152
SUBTOTAL								45,185
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								2,711
TOTAL REQUEST								47,896
TOTAL REQUEST (ROUNDED)								48,000
INSTALLED EQT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction								
<p>Utilize host-nation funding to construct a continuous Portland cement concrete (PCC) Type I Aircraft Parking Apron and a ladder taxiway for fixed and rotary wing aircraft and taxiway/holding apron. The apron will replace the current CH-47 Innkeeper Keyhole parking apron, Dealer West parking apron and the asphalt portion of taxiway A. The apron will abut the new apron from project A16R550(AV062) and extend south to Taxiway A in a rectangular shape. In addition to the Type I parking pads, and southwestern apron and will have a peripheral taxilane along the entire northeastern edge parallel to the runway from A16R550(AV062) to the far southern end, capable of supporting up to C-130 aircraft as well as other taxilanes necessary for wind flow of traffic around the apron. This construction will create a new "ladder" fixed wing taxiway connecting the apron and the runway approximately 2000' from the end of the runway in order to provide a more efficient traffic flow for aircraft at the southern end of the runway. A PCC taxiway/holding apron will be constructed to replace the asphalt portion of taxiway A/Runway 32 holding apron between the new apron and runway 32. The taxiway will be unreinforced PCC with asphalt shoulders with reinforced PCC pavement at turns and intersections of the taxiway.</p> <p>The new apron includes pads, tie-downs and ground points in Type I configuration for 12 CH-47 airframes, and pads, tie-downs and ground points in Type I configuration for no less than 48 AH/UH airframes, as a long-term and end-state requirement. The parallel taxilane from Alpha to project A16R550 (AV062) will also</p>								

1. COMPONENT Army	REPUBLIC OF KOREA FUNDED CONSTRUCTION (ROKFC)			2. DATE 10 May 2021
3. INSTALLATION AND LOCATION Camp Humphreys Korea		4. PROJECT TITLE Type I Aircraft Parking Apron & Parallel Taxiway, A16R501		
5. PROGRAM ELEMENT	6. CATEGORY CODE 113 20	7. PROJECT NUMBER 91747	8. PROJECT COST (\$000) 48,000	
<p>include tie-downs and ground points to the maximum extent possible to support interim parking for phasing of this project.</p> <p>Supporting facilities include taxiway lighting, pavement markings, electrical utilities, water distribution and connection for fire protection, site development and earthwork, taxiway lighted signage, wind cone, storm drainage, relocation of glide slope antenna and the Fixed Base Weather Observation System (FMQ19) and underground storm water management system in compliance with Low Impact Design (LID) criteria.</p> <p>Site demolition is included and saw cutting of existing pavement at the taxiway is required to create new pavement joints. Demolition includes nine (9) existing failed, PCC key hole parking pads, taxilane, deteriorated taxiway adjacent to the key hold pads, the Dealer east parking apron, lighting associated with those areas, transition ramps (15,121M2), utilities and structures associated with the relocation of glide slope antenna and the Fixed Base Weather Observation System (FM19), Taxiway Bravo, portions of existing Taxiway A/Run-up Apron, airfield lighting systems within the project boundary, and electrical and communications duct banks. Additionally, over excavation, engineered backfill and compaction, earthwork and landscaping. Demolish 2 buildings at Camp Humphreys, KR (25,412 Total m2).</p>				
11. REQ: 192,708 m2 ADQT: NONE SUBSTD: 25,412 m2				
<p>PROJECT: Construct a continuous, Portland Cement Concrete (PCC) Aircraft Parking Apron with peripheral taxilanes, a new taxiway and replace asphalt portion of existing taxiway. (Current Mission)</p> <p>REQUIREMENT: This parking apron is required to establish parking area for twelve (12) CH-47 and forty-eight (48) UH sized Type I rotary wing parking pads. This provides an economical end-state solution to and the capability to park 85% of the UH-60 and CH-47 aircraft assigned to the 2nd Combat Aviation Brigade and meets the requirement of the approved Airfield Area Development Plan (ADP). The Type I pads must be accessible from a taxilane on both sides. A ladder taxiway connecting the new apron to the runway provides much needed capability for the traffic flow landing and departing from the runway is also required in accordance with the approved Airfield Area Development Plan (ADP) and must be wide body capable.</p> <p>There must be an appropriately rated paved road from the Fire Department to airfield pavement connected to the runway. There must be capability to tow aircraft on appropriated pavement outside of the construction site between Dealer West parking apron and Nightmare East apron and project A16R550(AV062) parking apron.</p> <p>Design and construction of the airfield specific facilities shall be in accordance</p>				

1. COMPONENT Army	REPUBLIC OF KOREA FUNDED CONSTRUCTION (ROKFC)			2. DATE 10 May 2021
3. INSTALLATION AND LOCATION Camp Humphreys Korea		4. PROJECT TITLE Type I Aircraft Parking Apron & Parallel Taxiway, A16R501		
5. PROGRAM ELEMENT	6. CATEGORY CODE 113 20	7. PROJECT NUMBER 91747	8. PROJECT COST (\$000) 48,000	

REQUIREMENT: (CONTINUED)

with all applicable UFC including 3-260-01, UFC 3-260-02, UFC 3-260-04 and UFC 3-535-01 must be planned and coordinated with create minimal disturbance to airfield operations. Apron and taxiway construction will be phased to allow for continued efficient mission execution during construction.

CURRENT SITUATION:

Currently, the aircraft parking at USAG Humphreys is deficit of 32 parking spaces and will not meet the requirement for programmed expansion. The existing keyhole parking pads (15,121 M2) failed the latest condition survey and would require replacement if retained. Additionally, keyhole parking pads do not meet current parking standards nor would replacement, in kind provide additional required parking. The existing taxiway is located between the maintenance facilities and parking aprons, forcing dangerous cross traffic. Required wingtip clearances do not allow fixed wing aircraft to use the existing taxiway, forcing the aircraft to "back taxi" on the runway. "Back taxing" on the runway forces aircraft in the landing pattern to hold, and circle, pending clearance of the runway.

IMPACT IF NOT PROVIDED:

If this project is not constructed, there will be a continuing negative impact to mission capabilities for the airfield operation and will continue to operate in a parking deficit condition that will worsen as additional aircraft are assigned to Camp Humphreys. This project provides for the continuation of the parallel taxilane per the approved airfield Area Development Plan (ADP) and if not provided, will significantly limit operations of the runway, preclude further implementation of the ADP as well as not providing parking for future aircraft. The current lack of facilities will not support future growth as required in the U.S. Forces Korea Theater Master Plan.

ADDITIONAL:

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

B. HOST NATION: This project is located on an enduring installation which will be retained by United States Forces Korea (USFK) for the foreseeable future.

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

D. ANTITERRORISM/FORCE PROTECTION: All of the 21 Building Standards for Antiterrorism/Force Protections (AT/FP) will apply to this project, including a Mass Notification System, and site measures, which are outlined in UFC 4-010-01, dated 9 February 2012, Change 1, 1 Oct 2013. All facilities will meet current UFC 4-010-01 standards for buildings and site. Such additional AT/FP site features will include concrete or metal pop-up bollards and barriers to include sidewalks that provides as barriers from the main road(s) are at least eight inches high,

1. COMPONENT Army	REPUBLIC OF KOREA FUNDED CONSTRUCTION (ROKFC)			2. DATE 10 May 2021
3. INSTALLATION AND LOCATION Camp Humphreys Korea			4. PROJECT TITLE Type I Aircraft Parking Apron & Parallel Taxiway, A16R501	
5. PROGRAM ELEMENT	6. CATEGORY CODE 113 20	7. PROJECT NUMBER 91747	8. PROJECT COST (\$000) 48,000	
<p>ADDITIONAL: (CONTINUED)</p> <p>compare to road level to ensure stand-off distance is met in accordance with the reference above. Major AT/FP building features will also include design for progressive collapse and blast resistant windows and an Emergency Air Distribution Shutoff, ensuring any roof access prevents anyone from entering the building by utilizing locking mechanism, and caged ladders that can be locked to prevent access.</p> <p>E. SUSTAINABLE DESIGN AND DEVELOPMENT (SDD): LEED certification is not required.</p> <p>F. Full fire protection is required by regulation and UFC 3-600-01. Fire protection for new parking apron shall be provided by existing features on the airfield. All fire hydrants on the airfield are required to be subsurface.</p> <p>G. The design must comply with Camp Humphreys' Installation Planning Standards.</p> <p>H. No portion of this facility is intended for Republic of Korea personnel exclusive or primary use.</p>				

1. COMPONENT Army		REPUBLIC OF KOREA FUNDED CONSTRUCTION (ROKFC)		2. DATE 10 May 2021	
3. INSTALLATION AND LOCATION Camp Humphreys Korea			4. PROJECT TITLE Unaccompanied Enlisted Personnel Housing, A17R200		
5. PROGRAM ELEMENT		6. CATEGORY CODE 721 11	7. PROJECT NUMBER 94008	8. PROJECT COST (\$000) 52,000	
9. COST ESTIMATES					
ITEM		UM	QUANTITY	UNIT COST	COST(\$000)
PRIMARY FACILITY					42,896
302PN Unaccompanied Enlisted Personnel Hou		m2	11,082	3,539	(39,219)
First Floor Structural Slab		m2	1,764	114.00	(201)
Pile Foundations		m	5,967	267.25	(1,595)
Information Systems		LS	--	--	(313)
Sustainability/Energy Measures		LS	--	--	(784)
Antiterrorism Measures		LS	--	--	(784)
SUPPORTING FACILITIES					4,154
Electric Service		LS	--	--	(489)
Water, Sewer, Gas		LS	--	--	(612)
Paving, Walks, Curbs And Gutters		LS	--	--	(815)
Storm Drainage		LS	--	--	(407)
Site Imp(1,432) Demo()		LS	--	--	(1,432)
Antiterrorism Measures		LS	--	--	(392)
Information		LS	--	--	(7)
ESTIMATED CONTRACT COST					47,050
CONTINGENCY (5.00%)					2,353
SUBTOTAL					49,403
SUPERVISION, INSPECTION & OVERHEAD (6.0%)					2,964
TOTAL REQUEST					52,367
TOTAL REQUEST (ROUNDED)					52,000
INSTALLED EQT-OTHER APPROPRIATIONS					(2,006)
10. Description of Proposed Construction					
<p>Utilize host-nation funding to construct one 302 personnel (PN) eight-story Unaccompanied Enlisted Personnel Housing (UEPH) Barrack. The UEPH barracks will include private modules with individual living/sleeping rooms, and each room shall contain closets and a combination of shared and/or private kitchens and bathrooms to be shared by a maximum of two people.</p> <p>Barracks will include four elevators per building (one freight elevator and three passenger elevators), circulation spaces (stairs and corridors), mechanical, electrical, and communication spaces, exterior boot wash areas, outdoor storage area, entry lobby, charge of quarter (CQ) station with counter, vending areas, mail facilities, janitor's closet, and toilets.</p> <p>If laundry facilities are consolidated in the facility, they may also be located in this area, along with a provision for a field gear cleaning area (Mud room)</p> <p>Supporting facilities include underground utilities (electrical, natural gas, water, and sewer systems); utility monitoring and control system (UMCS); parking; paving, sidewalks, curbs and gutters; dumpsters and pad/trash enclosures; storm drainage; exterior information systems; outdoor vending area, facility and parking information signage, area security lighting, fuel storage tank (IAW USFK Policies/regulations), and site improvements. Barracks site design will include circulation sidewalks; running trails; area and trail lighting; one multi-purpose recreation court; one 30PN gazebo; one BBQ shelters; three covered bicycle racks</p>					

1. COMPONENT Army	REPUBLIC OF KOREA FUNDED CONSTRUCTION (ROKFC)			2. DATE 10 May 2021
3. INSTALLATION AND LOCATION Camp Humphreys Korea			4. PROJECT TITLE Unaccompanied Enlisted Personnel Housing, A17R200	
5. PROGRAM ELEMENT	6. CATEGORY CODE 721 11	7. PROJECT NUMBER 94008	8. PROJECT COST (\$000) 52,000	
<p>to accommodate 40 bike; and landscaping to include all grass, trees, and vegetation within the project boundaries.</p>				
<p>11. REQ: 12,004 PN ADQT: 7,340 PN SUBSTD: NONE</p>				
<p>PROJECT: Construct one 302 PN Unaccompanied Enlisted Personnel Housing (UEPH) Barracks. (Current Mission)</p>				
<p>REQUIREMENT: This project is required to provide working/mission facilities that meet current Army Standard Design criteria and to support the increase in population at USAG Humphreys as part of the US Forces Korea Theater Master Plan (USFK TMP). This project will be built on USAG Humphreys, which is an enduring installation.</p>				
<p>Design will allow for integrated electronic systems for the Intrusion Detection System (IDS), Building Information Systems, Mass Notification System (MNS), fire protection and alarm systems, and Energy Monitoring Control Systems (EMCS) being purchased and installed with construction funds or other appropriations, as directed by AR-420-1 and other Army guidance.</p>				
<p>Connection for underground utilities is required between the facility and the utility corridor. Access paving shall match adjacent apron requirements per UFC 3-260-01 and underground storm water management system in compliance with Low Impact Design (LID) criteria.</p>				
<p>Heating and air conditioning will be provided and, if applicable and practical, will be compatible for use with natural gas. Active and passive solar energy will be considered and included if cost effective. This facility shall be designed to make maximum use of natural climate, ventilation, and lighting, as well as use of energy efficient window and building insulation.</p>				
<p>Full fire protection as required by regulation and UFC 3-600-01 to include a fire alarm/suppression system; mass notification system (MNS) as required by UFC 4-010-01; access control systems; intrusion detection system (IDS); and connection to the utility monitoring control system (UMCS). Fire Alarm panels shall include zone module cards that can support 16 zones. These additional zones are required to transmit exact location data to the computerized D-21 Monaco fire alarm computer located at the fire department communication center through the use of a BT-XM building transmitter installed at the building in design.</p>				
<p>All exterior doors will be equipped with HT24 electronic locksets. Interior door locks shall be standard keyed locks, with the exception of doors requiring Electronic Access Control Systems with integrate with the Garrison's intrusion detection system (IDS).</p>				

1. COMPONENT Army	REPUBLIC OF KOREA FUNDED CONSTRUCTION (ROKFC)			2. DATE 10 May 2021
3. INSTALLATION AND LOCATION Camp Humphreys Korea			4. PROJECT TITLE Unaccompanied Enlisted Personnel Housing, A17R200	
5. PROGRAM ELEMENT	6. CATEGORY CODE 721 11	7. PROJECT NUMBER 94008	8. PROJECT COST (\$000) 52,000	
<p>REQUIREMENT: (CONTINUED)</p> <p>CURRENT SITUATION: Adequate permanent facilities are not available to support the increase in population at USAG Humphreys as part of the USFK TMP. All existing facilities suitable for use under this category code are fully utilized.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, the current inadequate facilities will not support future growth as required by the U.S. Forces Korea Theater Master Plan.</p> <p>ADDITIONAL:</p> <p>A. JOINT USE CERTIFICATE: The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. This facility will be available for use by the other components.</p> <p>B. HOST NATION: This project is located on an enduring installation which will be retained by United States Forces Korea (USFK) for the foreseeable future.</p> <p>C. PHYSICAL SECURITY: This project has been coordinated with the installation physical security plan, and all physical security measures are included.</p> <p>D. ANTITERRORISM/FORCE PROTECTION: All of the 21 Building Standards for Antiterrorism/Force protections (AT/FP) will apply to this project, including a Mass Notification System, and site measure, which are outlined in UFC 4-010-01, dated 9 February 2012, change 1, 1 Oct 2013. All facilities will meet current UFC 4-010-01 standards for buildings and site. Such additional AT/FP site features will include concrete or metal pop-up bollards and barriers, to include sidewalks that provides as barriers from the main road(s) are at least eight inches high, compare to road level to ensure stand-off distance is met in accordance with the reference above. Major AT/FP building features will include design for progressive collapse and blast resistant windows and an Emergency Air Distribution Shutoff, ensuring any roof access prevents anyone from entering the building by utilizing locking mechanism, and caged ladders that can be locked to prevent access.</p> <p>E. SUSTAINABLE DESIGN AND DEVELOPMENT (SDD): Sustainable principles shall be integrated into the design, development, and construction of this project in accordance with Executive Order 13124 and it will achieve a minimum of LEED Silver in accordance with the current US Army Sustainable Design and Development Policy and other applicable laws and Executive Orders. All equipment going into this facility must be Energy Star rated or on the Federal Energy Management Program (FEMP) approved list. All utilities shall be metered using advanced meters as defined by Federal Energy Management Program. Strict adherence to the USAG Humphreys Installation Design Standard is required.</p>				

1. COMPONENT Army	REPUBLIC OF KOREA FUNDED CONSTRUCTION (ROKFC)	2. DATE 10 May 2021
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3. INSTALLATION AND LOCATION Camp Humphreys Korea	4. PROJECT TITLE Unaccompanied Enlisted Personnel Housing, A17R200
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5. PROGRAM ELEMENT	6. CATEGORY CODE 721 11	7. PROJECT NUMBER 94008	8. PROJECT COST (\$000) 52,000
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ADDITIONAL: (CONTINUED)

F. These buildings and structures, including buildings and structures leased to provide transitional spaces, are exempt from all provisions of these standards during the life of the construction or renovation contract for which the transitional buildings and structures are being provided, but no longer than five years.

G. Comprehensive interior design package for the AE to complete as required by UFC 3-120-10.

H. The design must comply with USAG Humphreys' Installation Planning Standards.

I. No portion of this facility is intended for Republic of Korea personnel exclusive or primary use.

Host Country In-Kind Contributions
 Poland Provided Infrastructure
 Calendar Year (CY) 2022
 Part IB

<u>PROJECT NUMBER</u>	<u>PROJECT DESCRIPTION</u>	<u>(\$000)</u>	<u>NEW/CURRE NT MISSION</u>	<u>PAGE</u>
	Poland Various			
100640	Information Systems Facility	\$ 7,000	C	3
100641	Command & Control Facility	\$ 30,000	C	6
	Total	\$ 37,000		

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1. COMPONENT Army		POLAND PROVIDED INFRASTRUCTURE			2. DATE 10 MAY 2021			
3. INSTALLATION AND LOCATION Poland Various Poland			4. PROJECT TITLE CONV PPI: Information Systems Facility					
5. PROGRAM ELEMENT		6. CATEGORY CODE 131 31	7. PROJECT NUMBER 100640		8. PROJECT COST (\$000) 7,000			
9. COST ESTIMATES								
ITEM					UM	QUANTITY	UNIT COST	COST(\$000)
PRIMARY FACILITY								5,847
Communications Center					SF	5,015	902.89	(4,528)
Redundant Power					EA	2	241,709	(483)
Cybersecurity					LS	--	--	(797)
Sustainability/Energy Measures					LS	--	--	(39)
SUPPORTING FACILITIES								452
Electric Service					LS	--	--	(389)
Site Imp(63) Demo()					LS	--	--	(63)
ESTIMATED CONTRACT COST								6,299
CONTINGENCY (5.00%)								315
SUBTOTAL								6,614
SUPERVISION, INSPECTION & OVERHEAD (6.50%)								430
TOTAL REQUEST								7,044
TOTAL REQUEST (ROUNDED)								7,000
INSTALLED EQT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction Repair portions of Buildings 28 and 1 at Bukowska Base Poznan to provide primary and secondary Technical Control Facilities comprising the major critical data and voice processing elements for the Poland area of responsibility (AOR). Primary facilities include telecommunications area core switch (ACS), area distribution switches (ADS), equipment access switches (EAS), building information systems, fire protection and alarm systems, Intrusion Detection System (IDS) installation, and Energy Monitoring Control Systems (EMCS) connection. Sustainability and energy enhancement measures are included. Supporting facilities include site development, utilities and connections, and information systems. Heating, ventilation, air conditioning, and dehumidification systems will be provided by self-contained systems. Uninterruptible Power Supply (UPS) will be funded with other appropriations. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided in Building 28. Facilities will be designed in accordance with DA PAM 420-100, Host Nation facilities in support of Military Operations, Bi-Strategic Command (Bi-SC) Directive 85-5, and North Atlantic Treaty Organization (NATO) approved Criteria and Standards. Air Conditioning (Estimated 96 Tons).								
11. REQ: 5,015 SF		ADQT: NONE		SUBSTD: NONE				

1. COMPONENT Army	POLAND PROVIDED INFRASTRUCTURE			2. DATE 10 MAY 2021
3. INSTALLATION AND LOCATION Poland Various Poland		4. PROJECT TITLE CONV PPI: Information Systems Facility		
5. PROGRAM ELEMENT	6. CATEGORY CODE 131 31	7. PROJECT NUMBER 100640	8. PROJECT COST (\$000) 7,000	
<p>PROJECT: Repair portions of Buildings 28 and 1 to provide a Technical Control Facility. (New Mission)</p> <p>REQUIREMENT: This project is required to provide secure, reliable communications for command and control functions for north central Europe centric missions at Bukowska Base Poznan. This unique facility will serve as the primary location for United States Army in Europe (USAREUR)'s Mission Command Element (MCE) in Poland comprising an enduring rotational force. The USAREUR leadership continues to expand interoperability and freedom of maneuver capacities and seeks to increase integration with U.S allies, partners, and sister services. The MCE Headquarters for USAREUR is forward positioned at Bukowska Base Poznan as the command and control hub for north central Europe. Poznan serves as a unique laboratory to work with NATO Allies and partners on critical mission command issues such as interoperability of operational plans, intelligence collection, fires, freedom of movement, sustainment, and other mission capabilities. The MCE will provide the necessary command and control of forward stationed and regionally allocated rotational Armored Brigade Combat Team (ABCT), Combat Aviation Brigade and other enabling forces in Eastern Europe. For day to day operations, Bukowska Base Poznan will support 150-200 forward stationed rotational personnel working in the MCE with a surge capacity to support the 718 personnel full Division HQs during major exercises and training events. These periodic division level exercises will support up to 25,000 Soldiers in a Return of Forces to Germany-like (REFORGER) draw of Army prepositioned stock (APS) equipment and major training activities for two to three months.</p> <p>CURRENT SITUATION: The MCE Headquarters for USAREUR is currently located in Building 3 and is utilizing tactical telecommunications equipment located on the southern end of the parade field. Temporary electrical and telecommunications connections are provided to the building via above ground conduit connected through windows, which must remain open to allow for the cable connections. The current layout and facilities do not provide adequate, secure, redundant communications infrastructure required for bilateral and multilateral exercises and training conducted by U.S. DoD and NATO allied partners.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, adequate, secure, and reliable primary and secondary major critical data and voice processing elements for this AOR will not be available to the U.S. DoD Mission Command Element rotational hub or its NATO partners at Bukowska Base Poznan. The continued long-term use of tactical equipment and temporary electric and telecommunications connections will directly limit U.S. DoD and NATO partner capabilities and readiness supporting EDI missions. Therefore, responsiveness for sustained bilateral and multilateral exercises and training missions conducted by U.S. DoD and NATO allied partners would be compromised.</p>				

1. COMPONENT Army	POLAND PROVIDED INFRASTRUCTURE	2. DATE 10 MAY 2021
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3. INSTALLATION AND LOCATION Poland Various Poland	4. PROJECT TITLE CONV PPI: Information Systems Facility
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5. PROGRAM ELEMENT	6. CATEGORY CODE 131 31	7. PROJECT NUMBER 100640	8. PROJECT COST (\$000) 7,000
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ADDITIONAL:
No portion of this facility is intended for Republic of Poland personnel exclusive or primary use. 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.

1. COMPONENT Army		POLAND PROVIDED INFRASTRUCTURE			2. DATE 10 MAY 2021	
3. INSTALLATION AND LOCATION Poland Various Poland			4. PROJECT TITLE CONV PPI: Command and Control Facility			
5. PROGRAM ELEMENT		6. CATEGORY CODE 141 90	7. PROJECT NUMBER 100641		8. PROJECT COST (\$000) 30,000	
9. COST ESTIMATES						
ITEM		UM	QUANTITY	UNIT COST	COST(\$000)	
PRIMARY FACILITY					26,043	
C2F Building Alt/Renovations		SF	53,046	445.00	(23,605)	
Redundant Power		LS	--	--	(208)	
Organizational Vehicle Parking		SY	2,391	117.32	(281)	
Cybersecurity Measures		LS	--	--	(781)	
Sustainability/Energy Measures		LS	--	--	(264)	
Antiterrorism Measures		LS	--	--	(904)	
SUPPORTING FACILITIES					1,040	
Electric Service		LS	--	--	(885)	
Paving, Walks, Curbs And Gutters		LS	--	--	(9)	
Site Imp(121) Demo()		LS	--	--	(121)	
Antiterrorism Measures		LS	--	--	(25)	
ESTIMATED CONTRACT COST					27,083	
CONTINGENCY (5.00%)					1,354	
SUBTOTAL					<u>28,437</u>	
SUPERVISION, INSPECTION & OVERHEAD (6.50%)					1,848	
TOTAL REQUEST					<u>30,285</u>	
TOTAL REQUEST (ROUNDED)					30,000	
INSTALLED EQT-OTHER APPROPRIATIONS					(0)	
10. Description of Proposed Construction						
<p>Construct a Command and Control Facility (C2F). Project includes alteration and renovations of two buildings. The administrative area will be divided into specified security zones and operations area for special use space for a Joint Operations Center (JOC) and Secure Internet Protocol Router (SIPR) Café.</p> <p>Construction includes redundant power, organizational vehicle parking, elevator, building information systems, fire protection and alarm systems, Intrusion Detection System (IDS) installation, and Energy Monitoring Control Systems (EMCS) connection. Supporting facilities include site development, utilities and connections, lighting, paving, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by self-contained systems. Building information systems and antiterrorism force protection measures for this project are unique in nature and not included in the unit cost of the building. Antiterrorism measures include progressive collapse requirements and retrofitting of existing facilities. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards 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. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Cyber Security Measures will be incorporated into this project.</p>						

1. COMPONENT Army	POLAND PROVIDED INFRASTRUCTURE			2. DATE 10 MAY 2021
3. INSTALLATION AND LOCATION Poland Various Poland		4. PROJECT TITLE CONV PPI: Command and Control Facility		
5. PROGRAM ELEMENT	6. CATEGORY CODE 141 90	7. PROJECT NUMBER 100641	8. PROJECT COST (\$000) 30,000	
Sustainability/Energy measures will be provided. Air Conditioning (Estimated 135 Tons).				
11. REQ: 91,414 SF ADQT: NONE SUBSTD: NONE				
PROJECT: Construct a Command and Control Facility at Pozan, Poland. (Current Mission)				
<p>REQUIREMENT:</p> <p>This project is required to provide adequate and secure command and control administrative source for United States Army in Europe's (USAREUR) Mission Command Element (MCE) in Poland comprising an enduring rotational force. The primary mission objective for Forward Operating Site (FOS) Poznan is to serve as the primary location for USAREUR's MCE command and control hub. The USAREUR leadership continues to expand interoperability and freedom of maneuver capacities and seeks to increase integration with U.S allies, partners, and sister services. The MCE Headquarters for USAREUR is forward positioned at Poznan as the command and control hub for north central Europe. Poznan serves as a unique laboratory to work with NATO Allies and partners on critical mission command issues such as interoperability of operational plans, intelligence collection, fires, freedom of movement, sustainment, and other mission capabilities. The MCE will provide the necessary command and control of forward stationed and regionally allocated rotational Armored Brigade Combat Team (ABCT), Combat Aviation Brigade and other enabling forces in Eastern Europe. For day to day operations, Poznan will support 150-200 forward stationed rotational personnel working in the MCE with a surge capacity to occasionally support the 700 personnel full Division HQs during major exercises and training events. These periodic division level exercises will support up to 25,000 Soldiers in a Return of Forces to Germany-like (REFORGER) draw of Army prepositioned stock (APS) equipment and major training activities for two to three months.</p>				
<p>CURRENT SITUATION:</p> <p>Currently the MCE Headquarters for USAREUR is currently located in Building 3 at Bukowska Base Poznan. Buildings 1 and 28 are currently vacant, cannot be occupied, and in need of major renovations. The current deployed rotational force Division Headquarters MCE administrative areas are located on the second and third floors in Building 3. The command sections are located in undersized and overcrowded offices. The building basement floods on a seasonal basis and cannot be utilized for occupancy or storage. The roof tiles are no longer water tight and there is evidence of water leaks throughout the third floor. The electrical system is undersized, obsolete, ungrounded, and in some areas does not comply with International Building Code (IBC) standards. There are no communication outlets in the building. The building does not comply with National Fire Protection Association (NFPA) codes and standards. The air quality/ventilation in the basement area is poor and hot water pipes in the basement may be insulated with asbestos material. The air quality/ventilation in the lavatories is poor. The existing bathroom toilets, urinals, lavatories, showers, exhaust fans are</p>				

1. COMPONENT Army	POLAND PROVIDED INFRASTRUCTURE			2. DATE 10 MAY 2021
3. INSTALLATION AND LOCATION Poland Various Poland		4. PROJECT TITLE CONV PPI: Command and Control Facility		
5. PROGRAM ELEMENT	6. CATEGORY CODE 141 90	7. PROJECT NUMBER 100641	8. PROJECT COST (\$000) 30,000	
<p>CURRENT SITUATION: (CONTINUED)</p> <p>deteriorated. The current layout does not provide adequate, secure, and redundant administrative space and infrastructure required for steady-state and surge personnel associated with bilateral and multilateral exercises and training conducted by U.S. DoD and NATO allied partners.</p> <p>IMPACT IF NOT PROVIDED:</p> <p>If this project is not provided, adequate, secure, and reliable command and control administrative spaces will not be available to the U.S. DoD Mission Command Element rotational Division Headquarters or its NATO partners. The continued long-term use of undersized and non-code compliant facilities will directly limit U.S. DoD and NATO partner capabilities and readiness supporting EDI missions and jeopardize the life/health/safety of the assigned personnel. Therefore, responsiveness for sustained bilateral and multilateral exercises and training missions conducted by U.S. DoD and NATO allied partners would be compromised.</p> <p>ADDITIONAL:</p> <p>No portion of this facility is intended for Republic of Poland personnel exclusive or primary use. 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.</p>				



***Department of the Army
Fiscal Year (FY) 2022
President's Budget
Submission***

Army Family Housing

**JUSTIFICATION DATA SUBMITTED TO CONGRESS
May 2021**

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
TABLE OF CONTENTS

	<u>PAGE</u>
BUDGET SUMMARY	
Summary.....	1
State List.....	3
Summary of Inventory and Condition (Exhibit FH-11).....	5
Annual Inadequate Family Housing Elimination (Exhibit FH-8).....	9
LEGISLATIVE LANGUAGE.....	13
Items of Interest.....	15
NEW CONSTRUCTION.....	17
PLANNING & DESIGN.....	31
OPERATION, MAINTENANCE AND UTILITIES.....	35
Operation, Maintenance and Utilities, Summary (Exhibit FH-2)...	37
Foreign Currency Exchange Data (Exhibit PB-18).....	41
Reprogramming Actions	43
OPERATIONS.....	45
Management Summary and Exhibit OP-5.....	47
Services Summary and Exhibit OP-5.....	49
Furnishings Summary and Exhibit OP-5.....	51
Miscellaneous Summary and Exhibit OP-5.....	53
MAINTENANCE AND REPAIR.....	55
Maintenance & Repair Exhibit OP-5.....	56
General and Flag Officers Quarters Maintenance and Repair Exceeding \$35,000 Per Unit.....	57
General and Flag Officers Quarters Operation and Maintenance Exceeding \$35,000 Per Unit.....	63
General and Flag Officers Quarters over 6,000 NSF.....	65
Privatized General and Flag Officer's Quarters O&M over \$50K.	66

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
TABLE OF CONTENTS (Continued)

	<u>PAGE</u>
UTILITIES.....	67
Utilities Exhibit OP-5.....	68
LEASING.....	69
Leasing Exhibit OP-5.....	71
Analysis of Leased Units (Exhibit FH-4).....	73
MILITARY HOUSING PRIVATIZATION INITIATIVE.....	79
Privatization Exhibit OP-5.....	81
Privatization (Exhibit FH-6).....	83
REIMBURSABLE PROGRAM.....	87

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
SUMMARY

(\$ in Thousands)

FY 2022 Budget Request	\$491,076
FY 2021 Program Budget	\$476,242
*FY 2021 Enactment: FH Support and Management	\$ 20,000
FY 2021 Appropriated Amount	\$496,242

*Funds provided by Congress in FY 2021 for additional family housing support and management costs are 3-year appropriated funds.

PURPOSE AND SCOPE

The Army Family Housing (AFH) Budget Request supports the operation, maintenance, leasing, privatization oversight and construction for military Family housing worldwide. In support of the Army's Facility Investment Strategy (FIS), the FY 2022 Budget Request funds the Department's goal of providing fully adequate Family housing units. It also supports the Secretary of Defense's commitment to improve military housing for our Soldiers and their Families.

MAJOR FACTORS

The Army Family housing inventory reflects adjustments made as a result of improved accountability. Facilities deteriorate over time and become inadequate; transformation and stationing decisions generate new and revised housing requirements. The Army is using both Family Housing Operation and Maintenance and Construction funds to eliminate inadequate dwellings and housing shortages. These funding requests will improve the quality of life for Soldiers and their Families.

The Army Family Housing Construction (AFHC) request includes construction of 130 units at Vicenza, Italy.

The Army Family Housing Operations (AFHO) request is based on annual changes to the inventory, inflation, and currency adjustments. These programmatic adjustments are explained in each section.

The Army's scheduled Residential Communities Initiative (RCI) program consists of almost 85,300 privatized end state units at 44 military installations, representing over 99% of the on-post Family housing inventory in the U.S. The Army continues to execute additional oversight and accountability as directed by legislation and to extend the life of the Army's infrastructure investment in the RCI program.

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2022 Budget Estimates
 Army Family Housing
 SUMMARY (Continued)

PROGRAM SUMMARY

Authorization is requested for the performance of new construction, improvements, planning and design of future construction projects, operation, maintenance, utilities, leasing, and privatization oversight for Army Family Housing in the amount of \$491,076,000:

Appropriation of \$491,076,000 is requested to fund:

a. Family Housing New Construction and Planning and Design

b. Family Housing Operation and Maintenance to support inventory authorized in existing legislation.

REQUEST

A summary of the FY 2022 AFH funding program follows:

	<u>Sub Total</u> <u>(in Thousands)</u>	<u>Grand Total</u> <u>(in Thousands)</u>
CONSTRUCTION REQUEST		99,849
New Construction	92,304	
Construction Improvements	0	
Planning and Design	7,545	
OPERATION AND MAINTENANCE REQUEST		391,227
Operation	69,760	
Maintenance of Real Property	111,181	
Utilities	<u>43,772</u>	
Subtotal Government Owned	224,713	
Leasing	128,110	
Privatization	38,404	
TOTAL FAMILY HOUSING APPROPRIATION REQUEST		491,076
REIMBURSABLE PROGRAM		15,000
TOTAL FAMILY HOUSING PROGRAM		506,076

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2022
 ARMY FAMILY HOUSING
 NEW CONSTRUCTION (PART IIA)
 (DOLLARS ARE IN THOUSANDS)
 OUTSIDE THE UNITED STATES

STATE		INSTALLATION (COMMAND)		AUTHORIZATION	APPROPRIATION
-----	PROJECT	-----		REQUEST	REQUEST
	NUMBER	PROJECT TITLE		-----	-----
	-----	-----			
Italy		Italy Various (IMCOM)			
		Vicenza Fam Hsg			
	91331	Family Housing New Construction		92,304	92,304
				-----	-----
		Subtotal Italy Various Part IIA	\$	92,304	92,304
		* TOTAL AFH FOR Italy	\$	92,304	92,304
		** TOTAL OUTSIDE THE UNITED STATES FOR AFH	\$	92,304	92,304
		MILITARY CONSTRUCTION (PART IIA) TOTAL	\$	92,304	92,304

DEPARTMENT OF THE ARMY
 FISCAL YEAR 2022
 ARMY FAMILY HOUSING
 NEW CONSTRUCTION (PART IIA)
 (DOLLARS ARE IN THOUSANDS)
 WORLDWIDE

STATE -----	PROJECT NUMBER -----	INSTALLATION (COMMAND) ----- PROJECT TITLE -----	AUTHORIZATION REQUEST -----	APPROPRIATION REQUEST -----
Worldwide	Various	Planning and Design (PLANDES)		
	90387	Family Housing P & D	0	7,545
		Subtotal Planning and Design Part IIA	\$ 0	7,545
		* TOTAL AFH FOR Worldwide Various	\$ 0	7,545
		** TOTAL WORLDWIDE FOR AFH	\$ 0	7,545
		MILITARY CONSTRUCTION (PART IIA) TOTAL	\$ 0	7,545

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

FH-11 PB Inventory and Condition of Government-Owned, Family Housing Units WORLDWIDE (Number of Dwelling Units in Inventory) Fiscal Year 2022								
	Number of Units - Worldwide							
	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Beginning of FY Adequate Inventory Total	7,798	7,826	8,571	8,892	9,175	9,318	9,529	9,572
FCI of 90% to 100% (Good Condition)	6,846	7,055	7,893	8,215	8,498	8,683	8,895	8,938
FCI of 80% to 89% (Fair Condition)	952	771	678	677	677	635	634	634
Beginning of FY Inadequate Inventory Total	2,600	1,847	1,425	1,148	964	895	827	820
FCI of 60% to 79% (Poor Condition)	1,729	1,297	996	761	645	585	585	584
FCI of 59% and below (Failing Condition)	871	550	429	387	319	310	242	236
Beginning of FY Total Inventory	10,398	9,673	9,996	10,040	10,139	10,213	10,356	10,392
Percent Adequate - Begin of FY Inventory	75%	81%	86%	89%	90%	91%	92%	92%
Inadequate Inventory Reduced Through:	753	422	277	184	69	68	7	-
Construction (MilCon)	96	-	-	64	-	-	-	-
Maintenance & Repair (O&M)	207	174	189	79	11	68	-	-
Privatization	-	-	-	-	-	-	-	-
Demolition/Divestiture/Diversion/Conversion	450	248	88	41	58	-	7	-
Funded by Host Nation	-	-	-	-	-	-	-	-
Adequate Inventory Changes:	28	745	321	283	143	211	43	296
Construction (MilCon)	143	612	163	284	154	144	75	297
Maintenance & Repair (O&M)	207	174	189	79	11	68	7	-
Privatization	-	(2)	(26)	-	(6)	-	-	-
Demolition/Divestiture/Diversion/Conversion	(322)	(39)	(5)	(80)	(16)	(1)	(39)	(1)
End of FY Adequate Inventory Total	7,826	8,571	8,892	9,175	9,318	9,529	9,572	9,868
FCI of 90% to 100% (Good Condition)	7,055	7,893	8,215	8,498	8,683	8,895	8,938	9,234
FCI of 80% to 89% (Fair Condition)	771	678	677	677	635	634	634	634
End of FY Inadequate Inventory Total	1,847	1,425	1,148	964	895	827	820	820
FCI of 60% to 79% (Poor Condition)	1,297	996	761	645	585	585	584	584
FCI of 59% and below (Failing Condition)	550	429	387	319	310	242	236	236
End of FY Total Inventory	9,673	9,996	10,040	10,139	10,213	10,356	10,392	10,688
Percent Adequate - End of FY Inventory	81%	86%	89%	90%	91%	92%	92%	92%

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

FH-11 PB Inventory and Condition of Government-Owned, Family Housing Units UNITED STATES (CONUS plus Hawaii and Alaska) (Number of Dwelling Units in Inventory) Fiscal Year 2022								
	Number of Units - US							
	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Beginning of FY Adequate Inventory Total	436	443	470	488	499	504	505	505
FCI of 90% to 100% (Good Condition)	298	342	386	404	415	420	421	421
FCI of 80% to 89% (Fair Condition)	138	101	84	84	84	84	84	84
Beginning of FY Inadequate Inventory Total	306	127	56	38	27	22	22	22
FCI of 60% to 79% (Poor Condition)	227	123	54	38	27	22	22	22
FCI of 59% and below (Failing Condition)	79	4	2	-	-	-	-	-
Beginning of FY Total Inventory	742	570	526	526	526	526	527	527
Percent Adequate - Begin of FY Inventory	59%	78%	89%	93%	95%	96%	96%	96%
Inadequate Inventory Reduced Through:	179	71	18	11	5	-	-	-
Construction (MilCon)	-	-	-	-	-	-	-	-
Maintenance & Repair (O&M)	24	27	18	11	5	-	-	-
Privatization	-	-	-	-	-	-	-	-
Demolition/Divestiture/Diversion/Conversion	155	44	-	-	-	-	-	-
Funded by Host Nation	-	-	-	-	-	-	-	-
Adequate Inventory Changes:	7	27	18	11	5	1	-	-
Construction (MilCon)	27	35	26	-	-	1	-	-
Maintenance & Repair (O&M)	24	27	18	11	5	-	-	-
Privatization	-	(2)	(26)	-	-	-	-	-
Demolition/Divestiture/Diversion/Conversion	(44)	(33)	-	-	-	-	-	-
End of FY Adequate Inventory Total	443	470	488	499	504	505	505	505
FCI of 90% to 100% (Good Condition)	342	386	404	415	420	421	421	421
FCI of 80% to 89% (Fair Condition)	101	84	84	84	84	84	84	84
End of FY Inadequate Inventory Total	127	56	38	27	22	22	22	22
FCI of 60% to 79% (Poor Condition)	123	54	38	27	22	22	22	22
FCI of 59% and below (Failing Condition)	4	2	-	-	-	-	-	-
End of FY Total Inventory	570	526	526	526	526	527	527	527
Percent Adequate - End of FY Inventory	78%	89%	93%	95%	96%	96%	96%	96%

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

FH-11 PB Inventory and Condition of Government-Owned, Family Housing Units FOREIGN (includes U.S. Territories) (Number of Dwelling Units in Inventory) Fiscal Year 2022								
	Number of Units - Foreign							
	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Beginning of FY Adequate Inventory Total	7,362	7,383	8,101	8,404	8,676	8,814	9,024	9,067
FCI of 90% to 100% (Good Condition)	6,548	6,713	7,507	7,811	8,083	8,263	8,474	8,517
FCI of 80% to 89% (Fair Condition)	814	670	594	593	593	551	550	550
Beginning of FY Inadequate Inventory Total	2,294	1,720	1,369	1,110	937	873	805	798
FCI of 60% to 79% (Poor Condition)	1,502	1,174	942	723	618	563	563	562
FCI of 59% and below (Failing Condition)	792	546	427	387	319	310	242	236
Beginning of FY Total Inventory	9,656	9,103	9,470	9,514	9,613	9,687	9,829	9,865
Percent Adequate - Begin of FY Inventory	76%	81%	86%	88%	90%	91%	92%	92%
Inadequate Inventory Reduced Through:	574	351	259	173	64	68	7	-
Construction (MilCon)	96	-	-	64	-	-	-	-
Maintenance & Repair (O&M)	183	147	171	68	6	68	-	-
Privatization	-	-	-	-	-	-	-	-
Demolition/Divestiture/Diversion/Conversion	295	204	88	41	58	-	7	-
Funded by Host Nation	-	-	-	-	-	-	-	-
Adequate Inventory Changes:	21	718	303	272	138	210	43	296
Construction (MilCon)	116	577	137	284	154	143	75	297
Maintenance & Repair (O&M)	183	147	171	68	6	68	7	-
Privatization	-	-	-	-	(6)	-	-	-
Demolition/Divestiture/Diversion/Conversion	(278)	(6)	(5)	(80)	(16)	(1)	(39)	(1)
End of FY Adequate Inventory Total	7,383	8,101	8,404	8,676	8,814	9,024	9,067	9,363
FCI of 90% to 100% (Good Condition)	6,713	7,507	7,811	8,083	8,263	8,474	8,517	8,813
FCI of 80% to 89% (Fair Condition)	670	594	593	593	551	550	550	550
End of FY Inadequate Inventory Total	1,720	1,369	1,110	937	873	805	798	798
FCI of 60% to 79% (Poor Condition)	1,174	942	723	618	563	563	562	562
FCI of 59% and below (Failing Condition)	546	427	387	319	310	242	236	236
End of FY Total Inventory	9,103	9,470	9,514	9,613	9,687	9,829	9,865	10,161
Percent Adequate - End of FY Inventory	81%	86%	88%	90%	91%	92%	92%	92%

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

FH-8 Exhibit: Annual Inadequate Family Housing Elimination FY 2020

	Total Inventory	Total Inadequate Inventory	Total Inadequate Addressed
Total Units at beginning of FY 2020	10,398	2,600	753
FY 2020 total traditional construction (Milcon) and O&M projects to eliminate inadequate units			303
* AFHC/Right-Sizing/USAG Rheinland Pfalz	1,228	478	96
* AFHO/Major M&R/USAG Bavaria	1,591	165	24
* AFHO/Major M&R/USAG Daegu	201	33	2
* AFHO/Major M&R/USAG Japan	862	280	11
* AFHO/Major M&R/USAG Rheinland Pfalz	1,228	382	54
* AFHO/Major M&R/USAG Wiesbaden	1,779	244	10
* AFHO/Minor M&R/Fort Buchanan	56	56	1
* AFHO/Minor M&R/Kwajalein Atoll	452	452	80
* AFHO/Minor M&R/USAG Benelux	3	1	1
* AFHO/Major M&R/JBMHH	87	87	24
FY 2020 total units privatized (no longer require FH O&M) to eliminate inadequate housing			-
FY 2020 total units demolished/ divested/ or otherwise permanently removed from Family housing inventory			450
* Closed/McAlester Army Ammunition Plant	18	8	4
* Conversion/McAlester Army Ammunition Plant	18	4	4
* Demolition/Lake City AAP	1	1	1
* Reduction/AFHO RS/USAG Wiesbaden	1,779	234	3
* Demolition/USAG Wiesbaden	1,779	231	132
* Return to HN/USAG Wiesbaden	1,779	99	48
* Demolition/AFHC/USAG Daegu	217	31	16
* Demolition/AFHC/USAG Italy	245	245	60
* Demolition/AFHC/Tobyhanna AD	28	26	26
* Demolition/Dugway PG	174	57	43
* Disposal/SSC Natick	77	77	77
* Inactivation/USAG Ansbach	1,035	212	36
Total Units at end of FY 2020	9,673	1,847	753

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

FH-8 Exhibit: Annual Inadequate Family Housing Elimination FY 2021

	Total Inventory	Total Inadequate Inventory	Total Inadequate Addressed
Total Units at beginning of FY 2021	9,673	1,847	422
FY 2021 total traditional construction (Milcon) and O&M projects to eliminate inadequate units			174
* AFHO/Major M&R/USAG Japan	791	269	28
* AFHO/Major M&R/USAG Bavaria	1,582	141	34
* AFHO/Major M&R/USAG Stuttgart	1,337	128	44
* AFHO/Minor M&R/USAG Rheinland Pfalz	1,228	328	41
* AFHO/Major M&R/JBMHH	87	63	27
FY 2021 total units privatized (no longer require FH O&M) to eliminate inadequate housing			-
FY 2021 total units demolished/ divested/ or otherwise permanently removed from Family housing inventory			248
* Demolition/Kwajalein Atoll	452	372	72
* Demolition/Dugway PG	110	14	12
* Demolition/Fort Buchanan	56	55	27
* Loss Due to Combining DUs/USAG Daegu	201	15	2
* Demolition/USAG Daegu	201	13	11
* Demolition/AFHC/USAG Italy	185	185	84
* Reduction/AFHO/USAG Rheinland Pfalz	1,228	287	8
* Divesture/Small Installations/Fort A P Hill	25	16	16
* Divesture/Small Installations/Letterkenny	7	3	3
* Divesture/Small Installations/Watervliet Arsenal	16	13	13
Total Units at end of FY 2021	9,996	1,425	422

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

FH-8 Exhibit: Annual Inadequate Family Housing Elimination FY 2022

	Total Inventory	Total Inadequate Inventory	Total Inadequate Addressed
Total Units at beginning of FY 2022	9,996	1,425	277
FY 2021 total traditional construction (Milcon) and O&M projects to eliminate inadequate units			189
* AFHO/Major M&R/USAG Japan	791	241	32
* AFHO/Major M&R/USAG Bavaria	1,611	107	107
* AFHO/Major M&R/USAG Wiesbaden	1,583	51	32
* AFHO/Major M&R/JBMHH	87	36	18
FY 2022 total units privatized (no longer require FH O&M) to eliminate inadequate housing			-
FY 2022 total units demolished/ divested/ or otherwise permanently removed from Family housing inventory			88
* Demolition/Fort Buchanan	29	28	28
* Demolition/AFHC/USAG Italy	101	101	60
Total Units at end of FY 2022	10,040	1,148	277

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2022 Budget Estimates
 Army Family Housing
 AUTHORIZATION AND APPROPRIATION LANGUAGE

AUTHORIZATION LANGUAGE

SEC.2102. FAMILY HOUSING

(a) CONSTRUCTION AND ACQUISITION. -- Using amounts appropriated pursuant to the authorization of appropriations in section 2103(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Army may construct or acquire family housing units (including land acquisition and supporting facilities) at the installations or locations, in the number of units, and in the amounts set forth in the following table:

Army Family Housing

State	Installation	Purpose	Amount (\$)
Italy	Vicenza	130 units	92,304,000
	Total	130 units	92,304,000

(b) PLANNING AND DESIGN. -- Using amounts appropriated pursuant to the authorization of appropriations in section 2103(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Army may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of family housing units in an amount not to exceed [~~\$3,300,000~~] \$7,545,000.

SEC. 2103. AUTHORIZATION OF APPROPRIATIONS, ARMY.

(a) IN GENERAL.

(5) For military Family housing functions:

(A) For construction and acquisition, planning and design, and improvements of military Family housing and facilities, [~~\$123,900,000~~] \$99,849,000.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
AUTHORIZATION AND APPROPRIATION LANGUAGE (Continued)

(B) For support of military Family housing (including the functions described in Section 2833 of Title 10, United States Code), and notwithstanding other provisions of law, for support of military Family housing authorized in Subchapter II of Title 10, United States Code [\$372,342,000] \$391,227,000.

APPROPRIATION LANGUAGE

Family Housing Construction, Army

For expenses of Family housing for the Army for construction, including acquisition, replacement, addition, expansion, extension, alteration, architectural and engineering services and construction design activities for construction and improvements as authorized by law, [\$123,900,000] \$99,849,000 to remain available until September 30, 2026.

Family Housing Operation and Maintenance, Army

For expenses of Family housing for the Army for operation and maintenance, including debt payment, leasing, privatization oversight, minor construction, and principal and interest charges, as authorized by law, [\$372,342,000] \$391,227,000.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
AUTHORIZATION AND APPROPRIATION LANGUAGE (Continued)

Items of Interest – MILCON Appropriations Committees

According to Title 10 USC Sections 2831 and 2884 and Public Law 116-260, Consolidated Appropriations Act, 2021, the Army provides the following reports:

General and Flag Officers Quarters, Maintenance and Repair over \$35K (See Tab, GFOQ M&R over \$35K);

General and Flag Officers Quarters, Anticipated Operation and Maintenance Expenditures Exceeding \$35K per Unit (See Tab, GFOQ O&M costs);

General and Flag Officers Quarters, Units Over 6,000 Net Square Feet (NSF) (See Tab, GFOQ O&M costs);

General and Flag Officers Quarters, Annual Cost Report (Submitted separately).

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2022 Budget Estimates
 Army Family Housing
 NEW CONSTRUCTION

(\$ in Thousands)

FY 2022 Budget Request	\$92,304
FY 2021 Program Budget	\$120,600

PURPOSE AND SCOPE

This program provides for construction where analysis indicates it is more economical to build new units rather than lease or revitalize existing Army Family housing. New units are built when adequate off post housing is not available. Cost estimates include site preparation, demolition, land acquisition, construction, and initial outfitting with fixtures and integral equipment, along with associated facilities such as roads, driveways, walkways, utility systems, and community facilities.

PROGRAM SUMMARY

Authorization is requested in FY 2022 for:

1. Construction of 130 new Family housing units.
2. Appropriation in the amount of \$92,304,000 to fund construction of 130 new Family housing units.

A summary of the requested new construction funding program for FY 2022 follows:

Location	Mission	Units Constructed	Units Demolished	Amount (\$000)
Vicenza, IT	Current	130	60	92,304
	TOTAL:	130	60	92,304

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

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1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 04 MAY 2021	
3. INSTALLATION AND LOCATION Vicenza Fam Hsg Italy (Vicenza)				4. PROJECT TITLE Family Housing New Construction		
5. PROGRAM ELEMENT 88741A		6. CATEGORY CODE 71116	7. PROJECT NUMBER 91331		8. PROJECT COST (\$000) Approp 92,304	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						70,911
71116 Jr NCO Enlisted E-1 thru 6 3-BR		FA	63 --		377,935	(23,810)
71116 Jr NCO Enlisted E-1 thru 6 4-BR		FA	22 --		460,196	(10,124)
71116 Jr NCO Enlisted E-1 thru 6 5-BR		FA	3 --		3476899	(10,431)
71116 Jr NCO Enlisted E-1 thru 6 3-BR		FA	23 --		422,266	(9,712)
71116 Jr NCO Enlisted E-1 thru 6 4-BR		FA	10 --		545,615	(5,456)
Total from Continuation page(s)						(11,378)
SUPPORTING FACILITIES						11,632
Electric Service		LS	--		--	(1,700)
Water, Sewer, Gas		LS	--		--	(2,998)
Paving, Walks, Curbs And Gutters		LS	--		--	(1,063)
Storm Drainage		LS	--		--	(702)
Site Imp(2,829) Demo(1,198)		LS	--		--	(4,027)
Information Systems		LS	--		--	(1,142)
ESTIMATED CONTRACT COST						82,543
CONTINGENCY (5.00%)						4,127
SUBTOTAL						86,670
SUPV, INSP & OVERHEAD (6.50%)						5,634
TOTAL REQUEST						92,304
TOTAL REQUEST (ROUNDED)						92,304
INSTALLED EQT-OTHER APPROP						(155)
10. Description of Proposed Construction Construct 130 Junior Enlisted Family Housing Quarters at Villaggio housing area. The new housing units include: living areas, kitchen, bathrooms, bedrooms, storage, parking garages (260 Total Vehicle Capacity with 130 covered and 88 of these in multicar garages for apartments). Supporting facilities include demolition existing housing facilities, supporting facilities and sheds located in the project area and construction of required infrastructure to support the new facilities. Site work includes: required utility systems, storm drainage, street improvements and lighting, and information systems. Heating and air conditioning will be provided supplying multiple units. Residential automatic fire protection sprinkler systems will be provided. Construction will be in accordance with (IAW) the Department of Defense (DoD) minimum Antiterrorism for Building Standards. Comprehensive building furnishings and related interior design services are required. Project shall comply with the Army Standard for Family Housing and Unified Facilities Criteria (UFC) 4-711-01 and 4-711-02A. Design and construction includes requirements of current Sustainable Design Development and Policy Update (Environmental and Energy Performance). Facilities will be designed to a minimum life of 25 years IAW UFC 1-200-02, including energy efficiencies, building envelope, and integrated building systems performance. At least five percent of the new units will be accessible or readily and easily modifiable for use by persons with disabilities. Air Conditioning (Estimated 127 kW/36 Tons).						
PROJECT: Construct 130 dwelling units for Junior enlisted personnel at Villaggio						

1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 04 MAY 2021	
3. INSTALLATION AND LOCATION Vicenza Fam Hsg Italy (Vicenza)			4. PROJECT TITLE Family Housing New Construction		
5. PROGRAM ELEMENT 88741A		6. CATEGORY CODE 71116	7. PROJECT NUMBER 91331	8. PROJECT COST (\$000) Approp 92,304	

9. COST ESTIMATES (CONTINUED)

ITEM	UM (M/E)	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
71116 Jr NCO Enlisted E-1 thru 6 5-BR	FA	9 --	626,407	(5,638)
75018 PLAYGROUND	EA	1 --	1134512	(1,135)
00000 Cyber Security	LS	--	--	(500)
89113 Power Substation / Switching Sta	EA	2 --	174,196	(348)
Sustainability/Energy Measures	LS	--	--	(2,139)
Building Information Systems	LS	--	--	(1,618)
			Total	11,378

PROJECT: (CONTINUED)

Housing Area, Vicenza, Italy. Project demolishes existing housing buildings at Villaggio in order to provide required clear area on which to build the new housing with garages and supporting infrastructure (Current Mission).

REQUIREMENT: This Project is required to provide Army Family Housing for junior enlisted personnel residing in the Vicenza Military Community (VMC) area who currently live off-post or in antiquated facilities on-post. The 2016 Housing Market Analysis (HMA) for the VMC establishes the requirement for 1,177 total dwelling units. Villaggio currently has 249 Family Housing Units including 228 which are reserved for junior enlisted personnel. The installation maintains 540 adequate government leased units, leaving a deficit of 388 family housing units. Combined with the existing 249 inadequate on-post units, this results in a 637-unit requirement remaining to construct or lease. New facilities will comply with current Army Family Housing standards for space, security, and storage. New housing units will replace and increase capacity to existing non-compliant family housing in the Villaggio community that have exceeded their useful life. This project is one of five neighborhoods in the VMC programmed for phased redevelopment and is critical to replace on-post housing and achieve the goal to maximize junior enlisted on-post family housing at Vicenza.

CURRENT SITUATION: Currently, the installation does not have adequate family housing quarters for junior enlisted personnel. The total defined requirement continues to be met at minimum capacity by off-post private rentals. The private rental market is unable to sustain the family population proximate to military bases which the junior enlisted personnel support. This continues to create isolation and separation from the VMC. Furthermore, most junior enlisted personnel families share a single vehicle, creating additional logistics concerns between the mission of the soldier and family needs of the spouse. Early separation from the Army has been directly correlated to family housing within the VMC. Existing housing facilities at Villaggio may alleviate isolation, however current conditions - "Q-3" red ratings on the Installation Status Report (ISR) - do not provide for an increase in overall quality of life on-post. Villaggio housing area was constructed in the late 1950s and early 1960s to support the VMC. Some dwellings had minor interior renovations between 1989 and 1992 and others received additions and renovations between 1995 and 1997. None of the units meet current Army standards for Family Housing. The current family housing units do not meet space standards or current energy requirements. Units lack a foyer, which allows wind and rain to enter directly

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 04 MAY 2021
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3. INSTALLATION AND LOCATION Vicenza Fam Hsg Italy (Vicenza)	4. PROJECT TITLE Family Housing New Construction
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5. PROGRAM ELEMENT 88741A	6. CATEGORY CODE 71116	7. PROJECT NUMBER 91331	8. PROJECT COST (\$000) Approp 92,304
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CURRENT SITUATION: (CONTINUED)
into the living room. After 60 years of continued use by Army families, the antiquated facilities need replacement. Interior fixtures and finishes are old, worn, and continually in need of replacement. Electrical, telephone, and television wiring and outlets have been added over the years, and in many instances are surfaced-mounted, old, worn, and present safety concerns. Tile flooring and stairs are cracked and chipped. Current facilities do not meet modern energy requirements and lack fire protection systems that are required on current family housing units. In addition to the significant deficit of housing, existing units require excessive maintenance because of age, configuration and overall condition.

IMPACT IF NOT PROVIDED: If this project is not provided, inadequate on-post Family housing will continue to experience energy inefficiencies, breakdown maintenance, and piecemeal repairs. Lower enlisted service members and their families assigned to Vicenza will be required to live in inadequate housing both on and off post, neither of which provides adequate quality of life. This adversely affects the health, safety and morale of military members and their families. The effects of isolation from being dispersed further off-post and the associated delays in mission recall time also negatively impacts 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. 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.

NATO SECURITY INVESTMENT: This project is not within an established NATO infrastructure category of common funding nor is it expected to become eligible in the foreseeable future.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	FEB 2020
(b) Percent Complete as of January 2021.....	35.00
(c) Date 35% Designed.....	JAN 2021
(d) Date Design Complete.....	SEP 2021
(e) Parametric Cost Estimating Used to Develop Costs..	NO
(f) Type of Design Contract: Design-bid-build	
(g) An energy study and life cycle cost analysis will be documented during the final design.	

1. COMPONENT Army	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 04 MAY 2021
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3. INSTALLATION AND LOCATION Vicenza Fam Hsg Italy (Vicenza)	4. PROJECT TITLE Family Housing New Construction
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5. PROGRAM ELEMENT 88741A	6. CATEGORY CODE 71116	7. PROJECT NUMBER 91331	8. PROJECT COST (\$000) Approp 92,304
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12. SUPPLEMENTAL DATA (CONTINUED..)

A. Estimated Design Data: (CONTINUED..)

(2) Basis:

(a) Standard or Definitive Design:Y

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):	(\$000)
(a) Production of Plans and Specifications.....	400
(b) All Other Design Costs.....	<u>1,945</u>
(c) Total Design Cost.....	<u>2,345</u>
(d) Contract.....	<u>1,400</u>
(e) In-house.....	<u>945</u>

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

(5) Construction Start..... SEP 2022

(6) Construction Completion..... DEC 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>
Dryer	AFH	Future Request	66
Washer	AFH	Future Request	89
Info Sys - ISC	OPA	Future Request	0
Info Sys - PROP	OPA	Future Request	0
		Total	<u>155</u>

Installation Engineer: Phone Number: DSN 314-637-8200

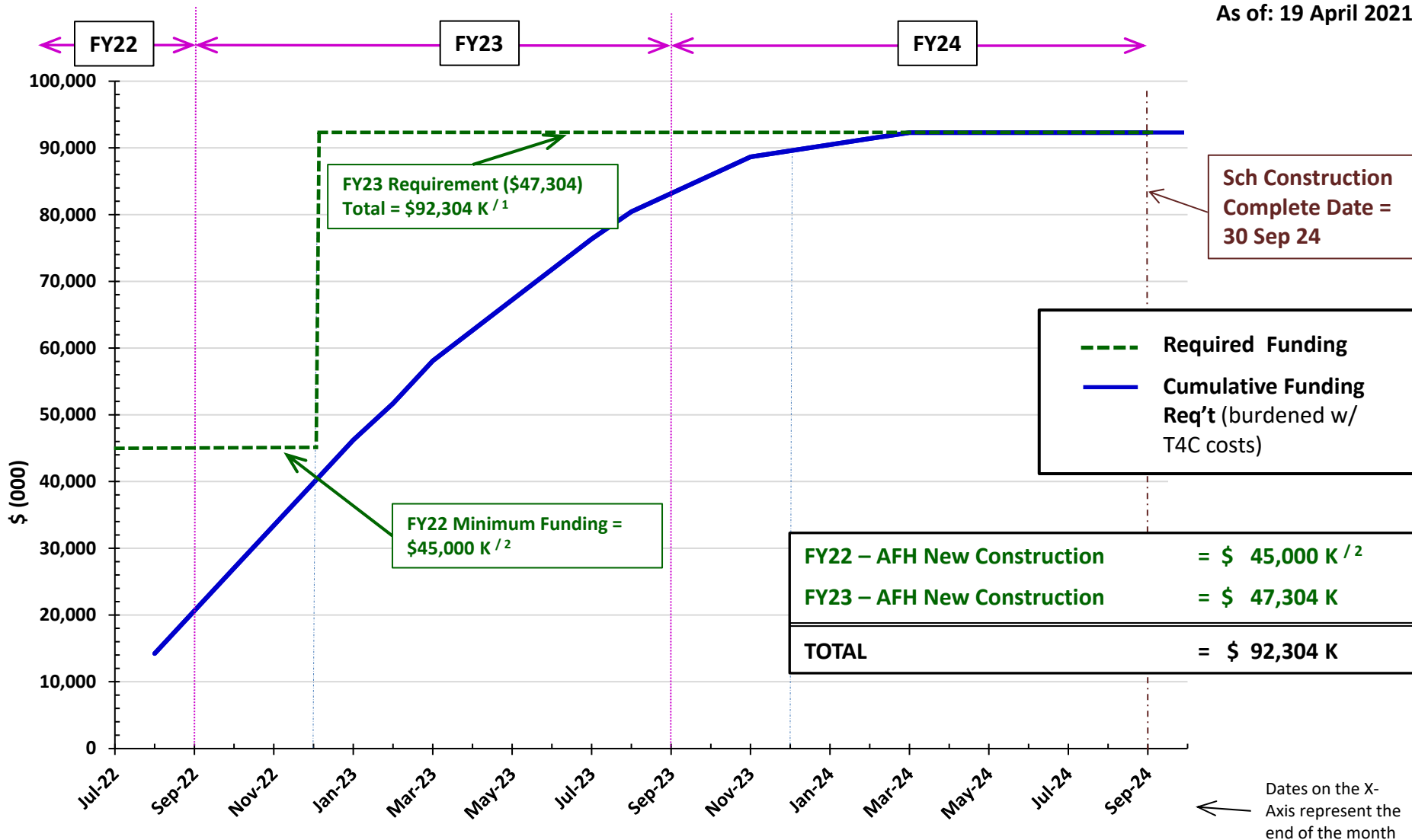


Work In Place (WIP) Curve – Vicenza, IT

FY 2022 – Army Family Housing New Construction

Programmed Amount = \$92,304 K ^{/1} / Sch Award Date = 4 Jul 22

As of: 19 April 2021



Note 1: Project submitted in the FY22 Budget Request at \$92,304 K

Note 2: Represents the minimum funding needed in FY2022

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

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MILITARY FAMILY HOUSING JUSTIFICATION				1. DATE OF REPORT (YYMMDD) 210201		2. FISCAL YEAR 2022		REPORT CONTROL SYMBOL DD-AT&L(AR)I716		
3. DOD COMPONENT Army			4. REPORTING INSTALLATION							
5. DATA AS OF 170630			a. NAME Vicenza				b. LOCATION Vicenza, Italy			
ANALYSIS OF REQUIREMENTS AND ASSETS			CURRENT				PROJECTED			
			OFFICER (a)	E9 - E4 (b)	E3 - E1 (c)	TOTAL (c)	OFFICER (a)	E9 - E4 (b)	E3 - E1 (c)	TOTAL (c)
6. TOTAL PERSONNEL STRENGTH			673	1,993	982	3,648	728	1,993	972	3,693
7. PERMANENT PARTY PERSONNEL			673	1,993	982	3,648	728	1,993	972	3,693
8. GROSS FAMILY HOUSING REQUIREMENTS			446	1,080	160	1,686	492	1,080	160	1,732
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)			0	0	0	0				
a. INVOLUNTARILY SEPARATED			0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED			0	0	0	0				
c. UNACCEPTABLY HOUSED - IN COMMUNITY			0	0	0	0				
10. VOLUNTARY SEPARATIONS			14	71	8	93	14	78	8	100
11. EFFECTIVE HOUSING REQUIREMENTS			432	1,009	152	1,593	478	1,002	152	1,632
12. HOUSING ASSETS (a+b)			436	568	175	1,179	395	559	132	1,086
a. UNDER MILITARY CONTROL			118	449	175	742	77	440	132	649
(1) Housed in Existing DoD Owned/Controlled			95	289	141	525	77	440	132	649
(2) Under Contract/Approved							0	0	0	0
(3) Vacant			23	70	34	127				
(4) Inactive				90		90				
b. PRIVATE HOUSING			318	119	0	437	318	119	0	437
(1) Acceptably Housed			318	119	0	437				
(2) Acceptable Vacant Rental			0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT			36	304	7	347	83	443	20	546
14. PROPOSED PROJECT							0	130	0	130
15. REMARKS (Specify item number)										

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

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FACILITY CONDITION INDEX (FCI)

<u>Project Number</u>	<u>State</u>	<u>Installation</u>	<u>Project Description</u>
91331	Italy	Vicenza	Family Housing New Construction Villaggio Ph3

<u>Item</u>	<u>Category Code</u>	<u>Facility Condition Index</u>
Junior NCO Enlisted Family Housing	71116	66%

"The Facility Condition Index represents a measure of an asset's physical condition. It is expressed as a percentage {0 (totally failed) to 100 (perfect condition)}. It is expressed as a ratio of the estimated cost for an asset's current total Deferred Maintenance and Repair (DM&R) to that asset's plant replacement value (PRV)."

"Facility Condition Index is calculated as $FCI = \{1 - (DM\&R/PRV)\} \times 100$, where FCI = Facility Condition Index; DM&R = Deferred Maintenance and Repair; and PRV = Plant Replacement Value."

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2022 Budget Estimates
 Army Family Housing
 PLANNING AND DESIGN

(\$ in Thousands)

FY 2022 Budget Request	\$7,545
FY 2021 Program Budget	\$3,300

PURPOSE AND SCOPE

This program provides funding for preparing working drawings, specifications, cost estimates, project planning reports, final design drawings and reviews of construction proposals. Also included are architectural and engineering services supporting new or improvement construction projects and costs incurred in developing requests for project proposals. These funds are used to plan and design future Family housing new and improvement construction, as well as energy conservation projects.

Authorization and Appropriation Request

Authorization and appropriation is requested for [\$3,300,000] \$7,545,000 in FY 2022 to fund Family housing construction planning and design activities.

PROGRAM SUMMARY

Planning and Design funds will provide for solicitation of FY 2022 projects, final design of FY 2023 projects and initiation of design of FY 2024 projects. This funding also provides for studies and updating construction standards and criteria.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

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1. COMPONENT Army		FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 04 MAY 2021	
3. INSTALLATION AND LOCATION Planning and Design Worldwide Various				4. PROJECT TITLE Family Housing P & D		
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 97100	7. PROJECT NUMBER 90387		8. PROJECT COST (\$000) Approp 7,545	
9. COST ESTIMATES						
ITEM		UM (M/E)	QUANTITY		UNIT COST	COST(\$000)
PRIMARY FACILITY						7,545
71116 Planning & Design		LS	--		--	(7,545)
SUPPORTING FACILITIES						
ESTIMATED CONTRACT COST						7,545
CONTINGENCY (0.00%)						0
SUBTOTAL						7,545
SUPV, INSP & OVERHEAD (0.00%)						0
TOTAL REQUEST						7,545
TOTAL REQUEST (ROUNDED)						7,545
INSTALLED EQT-OTHER APPROP						(0)
10. Description of Proposed Construction Provides for parametric, concept and final design of Family housing new and improvement projects, associated surveys, value engineering, and development of standards and criteria for Army Family housing facilities and properties.						
PROJECT: Planning and design funding for Family housing.						
REQUIREMENT: This funding is required to provide for Architect-Engineer (A-E) services, site surveys and preparation of designs and specifications for the Army Family housing construction program, including value engineering, and continued development of design criteria, standards, specifications and technical manuals. Funds will be used by the U.S. Army Corps of Engineers (USACE) for in-house designs, A-E contracts, and administrative support functions. These funds are required for accomplishment of final correction, review, reproduction and advertisement of FY 2021 projects, for advancement to final design of FY 2022 projects, and for initiation of design of FY 2023, FY 2024 and FY 2025 projects.						
IMPACT IF NOT PROVIDED: If these funds are not provided, development of Family housing new and improvement projects will not be accomplished, preventing execution of the FY 2023 and 2024 construction programs.						

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
OPERATION, MAINTENANCE, AND UTILITIES

(\$ in Thousands)

FY 2022 Budget Request	\$224,713
FY 2021 Program Budget	\$190,553

PURPOSE AND SCOPE

1. Operation Account. The Operation account provides for expenses in the following sub-accounts and includes both direct and indirect support for operation, maintenance, and utilities for government-owned, government-operated Family housing units, as applicable:

a. Management – Provides funding for Family housing management, installation administrative support and for services provided by Housing Services Offices (HSO) to provide information to place Families in local community housing. It also includes housing requirement surveys, condition assessments of existing housing, and development of Family housing construction and repair projects. The Management account provides for the operation of the Family housing modules of the enterprise Military Housing (eMH) system that supports effective housing management and personnel costs for those Army employees staffing the HSO at all locations, including privatized housing locations.

b. Services – Provides basic installation service support functions such as refuse collection and disposal, insect and pest control, snow removal and street cleaning, and the Family housing proportional share of fire and police protection.

c. Furnishings – Provides for procurement, management, control, moving and handling of furnishings and household equipment; maintenance, repair, and replacement of existing furnishings and equipment at all installations, including General/Flag Officers Quarters (GFOQ) at privatized housing locations.

d. Miscellaneous – Provides payments to Department of Homeland Security for Coast Guard Family housing units occupied by Army personnel.

2. Maintenance Account. The Maintenance account provides funding for the following activities required to maintain Family housing real property assets:

a. Recurring Maintenance & Repair (M&R) – Includes service calls, interior and exterior painting, between occupancy maintenance, and minor M&R work.

b. Major Maintenance and Repair – Major M&R work continues our revitalization program to extend the useful life of the quarters, reduce future maintenance and utility costs, and increase occupancy. This account also provides for repairs and improvements to extend the useful life of units.

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2022 Budget Estimates
 Army Family Housing
 OPERATION, MAINTENANCE, AND UTILITIES (Continued)

c. Exterior Utilities – Includes costs for Maintenance and Repair (M&R) of sewer and water lines, primary and secondary electric lines, and other exterior utilities used exclusively by Family housing.

d. Maintenance and Repair, Other Real Property – Includes work on grounds, surfaced areas, playgrounds, and other real property serving the Family housing community.

e. Alterations & Additions – Includes low-cost incidental (minor) improvements not to exceed \$3,000 per dwelling unit. This work is normally performed concurrently with maintenance and repair projects and includes modifications to quarters to meet the needs of exceptional Family members.

3. Utilities Account. The Utilities account includes the costs of heat, air conditioning, electricity, water, and sewage for Family housing units.

PROGRAM SUMMARY

Authorization and appropriation are requested for [\$205,353,000] \$224,713,000 for FY 2022. This amount, together with estimated reimbursements of [\$15,000,000] \$15,000,000, will fund the Operation, Maintenance, and Utilities program at [\$220,353,000] \$239,713,000. A summary follows:

<u>(\$ in Thousands)</u>					
<u>Operation</u>	<u>Maintenance</u>	<u>Utilities</u>	<u>Total Direct</u>	<u>Reimburse-ment</u>	<u>Total Program</u>
69,760	111,181	43,772	224,713	15,000	239,713

EXHIBIT FH-2 SUMMARY

Operational requirements are a function of the annual cost-per-unit of supported installations. In FY 2022, the foreign inventory will represent 95 percent of the average Army-owned inventory.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
OPERATION, MAINTENANCE, AND UTILITIES (Continued)
OPERATION AND MAINTENANCE, SUMMARY (WORLDWIDE)
Excludes Leased & Privatized Units and Costs

A. INVENTORY DATA	FY 2020 ACTUALS*		FY 2021 BUDGET ESTIMATE		FY 2022 BUDGET ESTIMATE	
INVENTORY BEGINNING OF YEAR	10,398		9,673		9,996	
INVENTORY END OF YEAR	9,673		9,996		10,040	
EFFECTIVE AVERAGE INVENTORY	10,036		9,835		10,018	
HISTORIC UNITS	0		0		0	
UNITS REQUIRING O&M FUNDING:						
a. CONUS	656		548		526	
b. Foreign	9,380		9,287		9,492	
c. Worldwide	10,036		9,835		10,018	
B. FUNDING REQUIREMENT	UNIT COST (\$)	TOTAL COST (\$000)	UNIT COST (\$)	TOTAL COST (\$000)	UNIT COST (\$)	TOTAL COST (\$000)
1. OPERATION						
a. Management	3,871	38,852	4,038	39,716	4,277	42,850
b. Services	989	9,925	827	8,135	826	8,277
c. Furnishings	1,599	16,047	1,831	18,004	1,804	18,077
d. Miscellaneous	N/A	548	N/A	526	N/A	556
SUBTOTAL - OPERATION	6,459	65,372	6,696	66,381	6,907	69,760
2. UTILITIES	4,903	49,202	4,188	41,183	4,369	43,772
3. MAINTENANCE						
a. Annual Recurring M&R	4,456	44,717	3,460	34,025	4,550	45,584
b. Major M&R Projects	5,108	51,261	3,966	39,005	5,216	52,255
c. Exterior Utilities	326	3,272	253	2,490	333	3,335
d. M&R, Other Real Prop.	761	7,635	591	5,809	777	7,783
e. Alts. & Additions	217	2,182	169	1,660	222	2,224
SUBTOTAL MAINTENANCE	10,868	109,067	8,439	82,989	11,098	111,181
Foreign Currency Adjustments				14,000		
4. APPROPRIATION	22,230	223,641	19,323	190,553	22,374	224,713
5. REIMBURSABLE PROGRAM	5,852	15,000	6,766	15,000	6,967	15,000
6. TOTAL O&M PROGRAM	28,082	238,641	26,089	205,553	29,341	239,713

* Does not include 2-year funding

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2022 Budget Estimates
 Army Family Housing
 OPERATION, MAINTENANCE, AND UTILITIES (Continued)
 OPERATION AND MAINTENANCE, SUMMARY -- U.S. (incl. Alaska and Hawaii)
Excludes Leased & Privatized Units and Costs

A. INVENTORY DATA	FY 2020 ACTUALS*		FY 2021 BUDGET ESTIMATE		FY 2022 BUDGET ESTIMATE	
INVENTORY BEGINNING OF YEAR	742		570		526	
INVENTORY END OF YEAR	570		526		526	
EFFECTIVE AVERAGE INVENTORY	656		548		526	
HISTORIC UNITS	0		0		0	
UNITS REQUIRING O&M FUNDING:	656		548		526	
B. FUNDING REUIREMENT	UNIT COST (\$)	TOTAL COST (\$000)	UNIT COST (\$)	TOTAL COST (\$000)	UNIT COST (\$)	TOTAL COST (\$000)
1. OPERATION						
a. Management	2,902	19,037	3,551	19,461	3,992	20,997
b. Services	756	496	742	407	787	414
c. Furnishings	978	642	1,314	720	1,375	723
d. Miscellaneous	N/A	548	N/A	526	N/A	556
SUBTOTAL - OPERATION	4,636	20,724	5,607	21,114	6,154	22,689
2. UTILITIES	3,750	2,460	3,758	2,059	4,161	2,189
3. MAINTENANCE						
a. Annual Recurring M&R	3,408.31	2,236	3,104	1,701	4,333	2,279
b. Major M&R Projects	3,907	2,563	3,559	1,950	4,967	2,613
c. Exterior Utilities	249	164	227	125	317	167
d. M&R, Other Real Prop.	582	382	530	290	740	389
e. Alts. & Additions	166	109	151	83	211	111
SUBTOTAL MAINTENANCE	8,312	5,453	7,571	4,149	10,568	5,559
4. APPROPRIATION	16,698	28,637	16,936	27,322	20,883	30,437
5. REIMBURSABLE PROGRAM	4,573	3,000	5,474	3,000	5,703	3,000
6. TOTAL O&M PROGRAM	21,271	31,637	22,410	30,322	26,586	33,437

* Does not include 2-year funding

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
OPERATION, MAINTENANCE, AND UTILITIES (Continued)
OPERATION AND MAINTENANCE, SUMMARY -- FOREIGN (incl. U.S. territories)
Excludes Leased & Privatized Units and Costs

A. INVENTORY DATA	FY 2020 ACTUALS*		FY 2021 BUDGET ESTIMATE		FY 2022 BUDGET ESTIMATE	
INVENTORY BEGINNING OF YEAR	9,656		9,103		9,470	
INVENTORY END OF YEAR	9,103		9,470		9,514	
EFFECTIVE AVERAGE INVENTORY	9,380		9,287		9,492	
HISTORIC UNITS	0		0		0	
UNITS REQUIRING O&M FUNDING:	9,380		9,287		9,492	
B. FUNDING REQUIREMENT	UNIT COST (\$)	TOTAL COST (\$000)	UNIT COST (\$)	TOTAL COST (\$000)	UNIT COST (\$)	TOTAL COST (\$000)
1. OPERATION						
a. Management	2,112	19,815	2,181	20,255	2,302	21,854
b. Services	1,005	9,429	832	7,728	828	7,863
c. Furnishings	1,642	15,405	1,861	17,284	1,828	17,354
d. Miscellaneous	N/A	-	N/A	-	N/A	-
SUBTOTAL - OPERATION	4,759	44,648	4,874	45,267	4,958	47,071
2. UTILITIES	4,983	46,742	4,213	39,124	4,381	41,583
3. MAINTENANCE						
a. Annual Recurring M&R	4,529	42,481	3,481	32,324	4,562	43,305
b. Major M&R Projects	5,192	48,698	3,990	37,055	5,230	49,642
c. Exterior Utilities	331	3,108	255	2,366	334	3,168
d. M&R, Other Real Prop.	773	7,253	594	5,519	779	7,394
e. Alts. & Additions	221	2,073	170	1,577	223	2,113
SUBTOTAL MAINTENANCE	11,046	103,614	8,490	78,840	11,128	105,622
Foreign Currency Adjustments				14,000		
4. APPROPRIATION	20,788	195,004	17,577	163,231	20,467	194,276
5. REIMBURSABLE PROGRAM	1,279	12,000	1,292	12,000	1,264	12,000
6. TOTAL O&M PROGRAM	22,068	207,004	18,869	175,231	21,732	206,276

* Does not include 2-year funding

EXHIBIT FH-2

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
OPERATION, MAINTENANCE, AND UTILITIES (Continued)

Component: Army
Date: May 2021

FOREIGN CURRENCY EXCHANGE DATA
(\$ in Thousands)

Army Family Housing Operations

<u>Country</u>	FY 2020		FY 2021		FY 2022	
	U.S. \$ Requiring Conversion	Budget Execution Rates	U.S. \$ Requiring Conversion	Budget Execution Rates	U.S. \$ Requiring Conversion	Budget Execution Rates
Denmark	-	-	-	-	-	-
Euro	174,520	0.8587	240,340	0.8978	241,048	0.8703
Japan	8,091	111.1542	29,995	107.9114	28,120	106.4531
Norway	-	-	-	-	-	-
Singapore	-	-	-	-	-	-
South Korea	33,953	1,112.2819	46,664	1,186.8982	49,537	1,190.9277
Turkey	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-
TOTAL	216,564		316,999		318,705	

Army Family Housing Construction

<u>Country</u>	FY 2020		FY 2021		FY 2022	
	U.S. \$ Requiring Conversion	Budget Execution Rates	U.S. \$ Requiring Conversion	Budget Execution Rates	U.S. \$ Requiring Conversion	Budget Execution Rates
Denmark	-	-	-	-	-	-
Euro	-	-	84,100	0.8978	92,304	0.8703
Japan	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Singapore	-	-	-	-	-	-
South Korea	128,524	1,112.2819	-	-	-	-
Turkey	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-
TOTAL	128,524		84,100		92,304	

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2022 Budget Estimates
 Army Family Housing
 OPERATION, MAINTENANCE, AND UTILITIES (Continued)

Family Housing Operation and Maintenance Reprogramming Actions
Fiscal Year 2020

Account	FY 2020	FY 2020 DD	FY 2020 BLW	FY 2020 Above	% RPG	FY 2020 End
	Appropriation	1415 RPG	THD RPG	THD RPG		of Year
	(\$000)	(\$000)	(\$000)	(\$000)		(\$000)
Utilities	55,712			(6,509)	-12%	49,203
Operations	73,565			(8,146)	11%	65,419
Management	38,898			0	0%	38,898
Services	10,156			(231)	-2%	9,925
Furnishings	24,027			(7,979)	-33%	16,048
Miscellaneous	484			64	13%	548
Leasing	128,938			(13,386)	-10%	115,552
Maintenance	81,065			28,041	35%	109,106
Adjustments						
Privatization Support	18,627			0	0%	18,627
Close Year App						
FCF						-
Total	357,907			0		357,907

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2022 Budget Estimates
 Army Family Housing
 OPERATION ACCOUNT

(\$ in Thousands)	
FY 2022 Budget Request	\$69,760
FY 2021 Program Budget	\$66,381

Budget Methodology

The Operation account includes four sub-accounts: management, services, furnishings, and miscellaneous. All Operation sub-accounts are considered “must pay accounts” in order to manage and operate Family housing.

The Management sub-account is estimated based on historic expenditures that have been adjusted for a reduction of management requirements.

The Services sub-account provides police and fire protection, trash pickup and other municipal functions and is estimated based on historic, per-unit expenditures that have been adjusted for increased service contract requirements.

The Furnishings sub-account is estimated based on historic, per-unit expenditures that have been adjusted for increased requirements worldwide.

The Miscellaneous sub-account is based on anticipated interagency reimbursement (Department of Defense to Department of Homeland Security) for U.S. Coast Guard housing provided to Army personnel.

Summary of Primary Adjustments in FY 2022 Budget

The FY 2022 request supports Army-owned Family housing inventory. Funding adjustments are due primarily to increased requirements worldwide.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2022 Budget Estimates
 Army Family Housing
 OPERATION ACCOUNT
 MANAGEMENT SUB-ACCOUNT

(\$ in Thousands)

FY 2022 Budget Request	\$42,850
FY 2021 Budget Request	\$39,716

The Management sub-account provides funding for the continued requirement of salaries, referral services, housing requirements analysis, and project planning. The overall FY 2022 Management sub-account is adjusted to account for increased Housing Management Support.

All Army installations continue to require a housing staff to provide housing services related to the local community (e.g., referrals to private sector housing, deposit waiver, and community liaison). The Housing Services Office supports military personnel’s on-post and off-post housing requirements.

Program adjustments in the Exhibit OP-5 are based on increased requirements in FY 2022. In FY 2021, the Army implemented a maintenance application that provides a more efficient way for Soldiers and Families to disseminate information more quickly to the Housing Services Office for required repairs to housing units. Additionally, Army leaders can monitor the progress of work orders to help improve the overall quality of life for Soldiers and Families.

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2022 Budget Estimates
 Army Family Housing
 OPERATION ACCOUNT
MANAGEMENT SUB-ACCOUNT
 RECONCILIATION OF INCREASES AND DECREASES
 EXHIBIT OP-5

	\$ In Thousands	
1. FY 2021 President's Budget Request		39,716
2. FY 2021 Appropriated Amount		39,716
3. FY 2021 Current Estimate		39,716
4. Pricing Adjustments:		1,392
a. Federal Employee Retirement System	194	
b. Performance Awards	50	
c. Civilian Pay	95	
d. Foreign Currency	1,000	
e. Economic Inflation	794	
f. Civilian Travel	-259	
e. Non-Pay, Non-Fuel Inflation	-482	
5. Program Adjustments:		1,742
a. Army Housing Services Office requires additional funding for continued use of a maintenance application that provides a more efficient means of completing repairs to housing units. This tool was implemented in FY21 and funded with two-year AFHO dollars. This budget request funds FY22 requirements.	1,742	
6. FY 2022 President's Budget Request		42,850

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
OPERATION ACCOUNT
SERVICES SUB-ACCOUNT

(\$ in Thousands)

FY 2022 Budget Request	\$ 8,277
FY 2021 Program Budget	\$ 8,135

The FY 2022 request is based on the level of support for refuse collection, street cleaning, snow removal, police and fire protection, pest control, and custodial services.

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2022 Budget Estimates
 Army Family Housing
 OPERATION ACCOUNT
 SERVICES SUB-ACCOUNT
 RECONCILIATION OF INCREASES AND DECREASES
 EXHIBIT OP-5

\$ In Thousands

1. FY 2021 President's Budget Request	8,135
2. FY 2021 Appropriated Amount	8,135
3. FY 2021 Current Estimate	8,135
4. Pricing Adjustments:	142
a. Economic Inflation	163
a. Foreign Currency	67
a. Non-Pay, Non-Fuel Inflation	-88
5. FY 2022 President's Budget Request	8,277

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2022 Budget Estimates
 Army Family Housing
 OPERATION ACCOUNT
 FURNISHINGS SUB-ACCOUNT

(\$ in Thousands)

FY 2022 Budget Request	\$18,077
FY 2021 Program Budget	\$18,004

The Furnishings sub-account is used for procuring, controlling, managing, moving and handling, maintaining, and repairing household furnishings and equipment (e.g., refrigerators, ranges, and where authorized, washers and dryers). In overseas and foreign locations, added furniture items (e.g., beds, tables, and dressers) are authorized. There is an upward programmatic adjustment due to increased furniture and appliance contract requirements to fund furnishings for 380 newly constructed housing units that will be made available for occupancy in Korea.

EFFECT OF PRIVATIZATION

Furnishings for privatized GFOQs are supported as required.

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2022 Budget Estimates
 Army Family Housing
 OPERATION ACCOUNT
 FURNISHINGS SUB-ACCOUNT
 RECONCILIATION OF INCREASES AND DECREASES
 EXHIBIT OP-5

		\$ In Thousands
1.	FY 2021 President's Budget Request	18,004
2.	FY 2021 Appropriated Amount	18,004
3.	FY 2021 Current Estimate	18,004
4.	Pricing Adjustments:	33
	a. Economic Inflation	360
	b. Federal Employee Retirement System	12
	c. Performance Awards	3
	d. Civilian Pay	6
	e. Foreign Currency	21
	f. Non-Pay, Non-Fuel Inflation	-369
5.	Program Adjustments:	40
	a. Increased requirements to help fund furnishings for 380 newly constructed housing units that will be made available in Korea.	40
6.	FY 2022 President's Budget Request	18,077

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2022 Budget Estimates
 Army Family Housing
 OPERATION ACCOUNT
 MISCELLANEOUS SUB-ACCOUNT

(\$ in Thousands)

FY 2022 Budget Request	\$556
FY 2021 Program Budget	\$526

The FY 2022 Miscellaneous sub-account funds payment to Department of Homeland Security for Coast Guard housing provided to Army Soldiers and their Families. The program adjustment is due to a projected increase to provide Coast Guard housing for Soldiers. FY22 funding provides support for rent, maintenance, and utilities for quarters in Boston, New York, California, and Puerto Rico.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
OPERATION ACCOUNT
MISCELLANEOUS SUB-ACCOUNT

RECONCILIATION OF INCREASES AND DECREASES
EXHIBIT OP-5

	\$ In Thousands	
1. FY 2021 President's Budget Request		526
2. FY 2021 Appropriated Amount		526
3. FY 2021 Current Estimate		526
4. Pricing Adjustments:		4
a. Economic Inflation	11	
b. Non-Pay/Non-Fuel Inflation	-7	
5. Program Adjustments:		26
a. Increased requirements for rent, maintenance, and utilities for Soldiers needing Coast Guard housing in locations where Army Family Housing is not available.	26	
6. FY 2022 President's Budget Request		556

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2022 Budget Estimates
 Army Family Housing
 MAINTENANCE AND REPAIR ACCOUNT

(\$ in Thousands)	
FY 2022 Budget Request	\$ 111,181
FY 2021 Program Budget	\$ 82,989

Maintenance and Repair (M&R) requirements are computed using the DoD Facilities Sustainment Model (FSM) and planned major M&R projects. Factors are established based on costs per square foot for dwelling units at the installation level and then adjusted to budget year estimates to include an inflation factor.

The Army maintains an inventory valued at over \$7.0 billion as measured by replacement costs. Ensuring these facilities are consistently occupied requires sound property management and timely recurring maintenance for preservation and protection of this major investment.

The Maintenance and Repair Account is adjusted primarily due to the Army's initiative to improve housing inventory worldwide. One of the Army's top goals is to improve the quality of our family housing. In FY22, the Army has 25 Major Maintenance and Repair (MM&R) projects planned which will repair 122 Housing units worldwide currently rated as poor or failing facilities. Lack of adequate funding negatively impacts sufficient occupancy for Army Soldiers and Families.

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2022 Budget Estimates
 Army Family Housing
MAINTENANCE AND REPAIR
 RECONCILIATION OF INCREASES AND DECREASES
 EXHIBIT OP-5

\$ In Thousands

1.	FY 2021 President's Budget Request	82,989
2.	FY 2021 Appropriated Amount	82,989
3.	FY 2021 Current Estimate	82,989
4.	Pricing Adjustments:	3,317
	a. Economic Inflation	1,660
	b. Foreign Currency	2,980
	c. Non-Pay, Non-Fuel Inflation	-1,323
5.	Program Adjustments:	24,875
	a. Increased Maintenance and Repair Requirements to fund 25 Major Maintenance and Repair projects that will repair 122 housing units currently rated as poor or failing facilities.	24,875
6.	FY 2022 President's Budget Request	111,181

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
GENERAL/FLAG OFFICERS QUARTERS (GFOQ)
FY 2022 ESTIMATED MAINTENANCE AND REPAIR
EXCEEDING \$35,000 PER DWELLING UNIT

The project list in this section is provided for authorization in accordance with the reporting requirement stated in Title 10 USC Sections 2831 and 2884 and Public Law 116-260, Consolidated Appropriations Act, 2021. Information is provided regarding the anticipated costs for those GFOQ where maintenance and repair obligations in FY 2022 are expected to exceed \$35,000 per dwelling unit.

The Army's FY 2022 GFOQ program totals \$10,763,250 for operations, maintenance, utilities, and leasing costs for 150 Army-owned and leased GFOQ units and for operations costs for 198 privatized GFOQ units across the Army. The Army's FY 2022 operations and maintenance (O&M) program totals \$6,813,678 for all 348 GFOQs, 61 of which are projected to exceed \$35,000 in O&M at a total O&M cost of \$4,228,139. The Army programs maintenance and repair (M&R), which includes recurring work such as service calls, preventive maintenance, between occupancy maintenance, minor repairs, and major M&R projects for government-owned homes that will be retained long-term. The Army's FY 2022 GFOQ M&R program for the 150 Army-owned and leased GFOQs totals \$3,709,433. This includes 16 GFOQ where the total M&R cost per dwelling unit exceeds \$35,000 for a total M&R cost of \$1,844,669. Of these 16 units, there is one major repair project at Rock Island Arsenal for \$43,000.

The Army continues to seek alternatives to replace large and expensive GFOQ. The FY 2022 program supports the Army's ongoing goal to buy-out major repairs at legacy GFOQ worldwide.

In historic quarters major work is coordinated with the appropriate State Historic Preservation Office. The Army has stewardship for historic dwelling units and a legal responsibility under the provisions of the National Historic Preservation Act, Public Law 89-665, as amended, to preserve and maintain these units. Many of the Army's remaining GFOQ were built prior to any Congressional size limitations and are generally larger and more expensive to maintain than more contemporary structures. Deferring required repairs will accelerate the rate of deterioration, increase the final cost of repairs and preclude compliance with Congressionally directed preservation responsibilities.

The Army's project review and approval process eliminates unnecessary maintenance and repair. The following requested repairs are necessary to ensure that the quarters are maintained in a safe, sanitary and livable condition.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
GENERAL/FLAG OFFICERS QUARTERS (GFOQ)
EXCEEDING \$35,000 PER DWELLING UNIT

STATE INSTALLATION QTRS NO.	NET SQUARE FOOTAGE	HISTORIC	YEAR BUILT	MAINT & REPAIRS	NEW LEASE WORK
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DISTRICT OF COLUMBIA
Fort Lesley J. McNair

Quarters 5

217 Second Avenue	2,876	Yes	1903	\$57,380	-	-
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Operations/Utilities - \$69,600; Total O&M - \$75,450
Maintenance and repairs including service calls - \$5,000; change of occupancy maintenance - \$14,000; self-help - \$200; routine maintenance and repairs - \$7,800; grounds maintenance - \$5,000; interior painting - \$20,380; and security - \$5,000.

Quarters 8

229 Second Avenue	4,057	Yes	1903	\$63,220	-	-
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Operations/Utilities - \$80,820; Total O&M - \$78,630
Maintenance and repairs including service calls - \$6,000; routine maintenance and repairs - \$10,640; grounds maintenance - \$6,000; security - \$6,000; self-help - \$200; change of occupancy maintenance - \$14,000; and interior painting - \$20,380.

Quarters 12

245 Second Avenue	3,169	Yes	1903	\$57,200	-	-
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Operations/Utilities - \$68,330; Total O&M - \$73,990
Maintenance and repairs including service calls - \$5,000; grounds maintenance - \$5,000; security - \$5,000; routine maintenance and repairs - \$7,800; and maintenance contract - \$34,400.

ILLINOIS

Rock Island Arsenal

Quarters 3

3232 Terrace Drive	4,741	Yes	1872	\$66,450	-	-
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Operations/Utilities - \$13,250; Total O&M - \$72,400
Maintenance and repairs including service calls - \$10,000; routine maintenance and repairs \$6,750; self-help - \$700; interior painting - \$2,000; grounds maintenance - \$4,000; and a major project to repair the skylight - \$43,000.

Quarters 4

3294 Terrace Drive	4,455	Yes	1872	\$37,800	-	-
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Operations/Utilities - \$11,345; Total O&M - \$43,100
Maintenance and repairs including service calls - \$8,150; change of occupancy - \$5,000; routine maintenance and repairs - \$6,850; grounds maintenance - \$3,800; and exterior painting \$14,000.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
GENERAL/FLAG OFFICERS QUARTERS (GFOQ)
EXCEEDING \$35,000 PER DWELLING UNIT

STATE INSTALLATION QTRS NO.	NET SQUARE FOOTAGE	HISTORIC	YEAR BUILT	MAINT & REPAIRS	NEW LEASE WORK
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Quarters 6

3472 Terrace Drive	5,865	Yes	1905	\$35,300	-	-
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Operations/Utilities – \$12,000; Total O&M - \$41,050
Maintenance and repairs including service calls - \$7,000; change of occupancy - \$5,000; routine maintenance and repairs - \$3,950; self-help - \$350; grounds maintenance - \$4,000; and interior painting \$15,000.

VIRGINIA**Joint Base Myer-Henderson Hall****Quarters 12**

317-A Jackson Ave	2,701	Yes	1892	\$53,330	-	-
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Operations/Utilities - \$84,200; Total O&M - \$68,850
Maintenance and repairs including service calls - \$4,000; grounds maintenance - \$5,000; security - \$5,000; change of occupancy - \$11,000; routine maintenance and repairs - \$4,700; self-help - \$200; interior painting \$11,430; and exterior painting - \$12,000.

BELGIUM**(0.8703 EURO / 1 \$ budget rate)****USAG Benelux-Brussels****49 Avenue du Jeu de Paume**

Quarters 12	3,766	No	1956	\$53,325	\$110,399	-
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Operations/Utilities - \$49,052; Total O&M - \$87,703
Maintenance and repairs including interior painting - \$14,270; routine maintenance and repairs - \$26,693; security - \$4,475; self-help - \$899; service calls - \$6,987.

Sint-Pauluslaan 68-3080 Vossem

Quarters 3	3,014	No	2008	\$41,391	\$68,126	-
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Operations/Utilities - \$37,088; Total O&M - \$64,116
Maintenance and repairs including grounds maintenance - \$5,094; incidental improvements - \$3,494; interior painting - \$12,667; routine maintenance and repairs - \$11,503; security - \$4,076; self-help - \$482; and service calls - \$4,076.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
GENERAL/FLAG OFFICERS QUARTERS (GFOQ)
EXCEEDING \$35,000 PER DWELLING UNIT

STATE INSTALLATION QTRS NO.	NET SQUARE FOOTAGE	HISTORIC	YEAR BUILT	MAINT & REPAIRS	NEW LEASE WORK
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Avenie Jean Van Boendalelaan

Quarters 19	4,090	No	1992	\$60,492	\$71,767	-
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Operations/Utilities - \$81,689; Total O&M - \$126,767
Maintenance and repairs including service calls - \$6,289; routine maintenance and repairs \$19,564; change of occupancy - \$2,911; interior painting - \$9,316; incidental improvements - \$2,998; grounds maintenance - \$13,768; self-help - \$1,033; and security - \$4,612.

7 Hertogenweg Street

Quarters 25	4,844	No	2017	\$48,798	\$111,180	-
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Operations/Utilities - \$49,018; Total O&M - \$79,300
Maintenance and repairs including interior painting - \$17,639; routine maintenance and repairs - \$19,426; security - \$4,309; self-help - \$437; service calls - \$6,987.

USAG Benelux-**Chievres 1 Chateau****Gendebien**

Quarters 1	10,010	No	1892	\$383,142	-	-
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Operations/Utilities - \$173,004; Total O&M - \$556,146
Maintenance and repairs including grounds maintenance - \$6,196; interior painting - \$19,183; routine maintenance and repairs - \$52,987; security - \$273,670; self-help - \$5,606; and service calls - \$25,500.

32 Residence Lemmitzer

Quarters 2	3,983	No	1967	\$41,458	\$68,865	-
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Operations/Utilities - \$31,501; Total O&M - \$57,820
Maintenance and repairs including service calls - \$9,316; routine maintenance and repairs \$16,304; self-help - \$699; interior painting - \$9,316; and security - \$5,823.

9B Grand Chemin de Masnuy

Quarters 31	4,306	No	2002	\$41,866	\$46,000	-
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Operations/Utilities - \$28,107; Total O&M - \$54,484
Maintenance and repairs including service calls - \$7,104; routine maintenance and repairs \$10,656; interior painting - \$16,886; grounds maintenance - \$2,329; self-help - \$815; and security - \$4,076.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
GENERAL/FLAG OFFICERS QUARTERS (GFOQ)
EXCEEDING \$35,000 PER DWELLING UNIT

STATE INSTALLATION QTRS NO.	NET SQUARE FOOTAGE	HISTORIC	YEAR BUILT	MAINT & REPAIRS	NEW LEASE WORK
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9D Grand Chemin de Masnuy

Quarters 33	4,306	No	2002	\$47,243	\$46,000 -
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Operations/Utilities - \$86,028; Total O&M - \$86,400
Maintenance and repairs including grounds maintenance - \$4,658; interior painting - \$17,210; routine maintenance and repairs - \$13,395; security - \$4,076; self-help - \$801; service calls - \$7,104.

GERMANY

(0.8703 EURO / 1 \$ budget rate)

USAG Bavaria – Grafenwoehr 110

Grafenwoehr

Quarters P0110	4,098	No	1909	\$756,274	- -
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Operations/Utilities - \$12,379; Total O&M - \$761,728
Maintenance and repairs including service calls - \$3,568; routine maintenance and repairs \$488; design - \$750,000; grounds maintenance - \$1,958; and security - \$261.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
GENERAL/FLAG OFFICERS QUARTERS (Continued)
Units Projected to Exceed \$35K per Unit in Operation and Maintenance (O&M)

State/Country	Installation Name	Street Address	Year Built	NSF	Operations	Major Projects	M&R	Total M&R	Utilities	Lease	O&M	Total Cost (Inc Lease & Utils)
Belgium	USAG Benelux - Brussels	16 Avenue Col Daumerie (PQ024)	2000	4,628	104,147	0	32,347	32,347	16,071	97,403	136,494	249,967
Belgium	USAG Benelux - Brussels	49 Avenue Du Jeu De Paume (PQ012)	1956	3,766	34,379	0	53,325	53,325	14,673	110,399	87,703	212,776
Belgium	USAG Benelux - Brussels	68 Sint Pauluslaan Street (PQ003)	2008	3,014	22,725	0	41,391	41,391	14,363	68,126	64,116	146,605
Belgium	USAG Benelux - Brussels	7 Hertogenweg Street (PQ025)	2017	4,844	30,501	0	48,798	48,798	18,516	111,180	79,300	208,996
Belgium	USAG Benelux - Brussels	Avenue Jean Van Boendalelaan (PQ019)	1992	4,090	66,275	0	60,492	60,492	15,414	71,038	126,767	213,219
Belgium	USAG Benelux - Brussels	Meiklokeslaan, 11 3080 Teruren (PQ009)	2000	4,219	11,768	0	33,239	33,239	15,387	60,557	45,006	120,950
Belgium	USAG Benelux - Chievres	1 Chateau Gendebien (PQ001)	1892	10,010	113,748	0	383,142	383,142	59,256	0	496,890	556,146
Belgium	USAG Benelux - Chievres	32 Residence Lemmitzer (PQ002)	1967	3,983	16,362	0	41,458	41,458	15,139	39,129	57,820	112,088
Belgium	USAG Benelux - Chievres	9B Grand Chemin De Masnuy (PQ031)	2002	4,306	12,619	0	41,866	41,866	15,489	46,000	54,484	115,972
Belgium	USAG Benelux - Chievres	9D Grand Chemin De Masnuy (PQ033)	2002	4,306	70,190	0	47,243	47,243	15,838	46,000	117,433	179,271
District of Columbia	Fort Lesley J McNair	201 Second Ave (NPG01)	1903	3,184	17,570	0	23,000	23,000	51,540	0	40,570	92,110
District of Columbia	Fort Lesley J McNair	205 Second Ave (NPG02)	1905	3,184	17,770	0	23,000	23,000	51,540	0	40,770	92,310
District of Columbia	Fort Lesley J McNair	209 Second Ave (NPG03)	1903	3,184	17,770	0	24,000	24,000	51,540	0	41,770	93,310
District of Columbia	Fort Lesley J McNair	213 Second Ave (NPG04)	1903	3,169	17,770	0	23,000	23,000	51,540	0	40,770	92,310
District of Columbia	Fort Lesley J McNair	217 Second Ave (NPG05)	1903	2,876	18,070	0	57,380	57,380	51,530	0	75,450	126,980
District of Columbia	Fort Lesley J McNair	221 Second Ave (NPG06)	1903	2,834	18,070	0	23,000	23,000	45,660	0	41,070	86,730
District of Columbia	Fort Lesley J McNair	225 Second Ave (NPG07)	1903	4,436	15,420	0	24,200	24,200	65,050	0	39,620	104,670
District of Columbia	Fort Lesley J McNair	229 Second Ave (NPG08)	1903	4,057	15,410	0	63,220	63,220	65,410	0	78,630	144,040
District of Columbia	Fort Lesley J McNair	233 Second Ave (NPG09)	1903	4,278	15,420	0	26,840	26,840	65,050	0	42,260	107,310
District of Columbia	Fort Lesley J McNair	237 Second Ave (NPG10)	1903	3,169	16,790	0	22,800	22,800	51,540	0	39,590	91,130
District of Columbia	Fort Lesley J McNair	241 Second Ave (NPG11)	1903	3,169	16,790	0	22,800	22,800	49,290	0	39,590	88,880
District of Columbia	Fort Lesley J McNair	245 Second Ave (NPG12)	1903	3,169	16,790	0	57,200	57,200	51,540	0	73,990	125,530
District of Columbia	Fort Lesley J McNair	249 Second Ave (NPG13)	1903	3,169	17,270	0	17,800	17,800	51,540	0	35,070	86,610
District of Columbia	Fort Lesley J McNair	253 Second Ave (NPG14)	1903	3,169	18,790	0	23,000	23,000	51,540	0	41,790	93,330
District of Columbia	Fort Lesley J McNair	257 Second Ave (NPG15)	1903	3,169	15,900	0	23,800	23,800	51,540	0	39,700	91,240
Florida	USAG Miami	6853 NW 113TH Place	2001	3,590	26,200	0	10,600	10,600	7,385	94,050	36,800	138,235
Germany	USAG Bavaria	110 Grafenwoehr (P0110)	1909	4,098	5,453	0	756,274	756,274	6,926	0	761,728	768,654
Germany	USAG Stuttgart	2418-8 Florida Strasse	1956	1,636	8,697	15,000	11,376	26,376	6,494	0	35,074	41,568
Germany	USAG Stuttgart	2428-18 Florida Strasse	1956	1,636	8,697	15,000	11,376	26,376	6,494	0	35,074	41,568
Germany	USAG Stuttgart	2449-50 Florida Strasse (2449)	1957	2,885	8,697	15,000	11,998	26,998	7,886	0	35,695	43,581
Germany	USAG Stuttgart	3413 Vesta Strasse (3413)	1953	1,636	29,452	0	11,409	11,409	6,494	0	40,861	47,355
Germany	USAG Stuttgart	3417-33 Vesta Strasse (3417)	1957	2,885	29,692	0	11,627	11,627	7,541	0	41,319	48,860
Germany	USAG Stuttgart	3422-24 Vesta Strasse	1957	1,636	28,787	0	6,655	6,655	6,494	0	35,443	41,937
Germany	USAG Wiesbaden	10 Wuerttemberg (PO7243)	1956	2,056	44,270	0	2,433	2,433	6,576	0	46,703	53,279
Germany	USAG Wiesbaden	2117 McGinnis Street (PO02117)	2012	2,000	42,328	0	3,100	3,100	3,416	0	45,428	48,844
Germany	USAG Wiesbaden	2152 Craig Street	2012	2,000	42,328	0	1,500	1,500	3,264	0	43,828	47,092
Germany	USAG Wiesbaden	6 Kroesen Loop (PO02006)	2012	3,631	10,227	0	24,863	24,863	4,684	0	35,090	39,774

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
GENERAL/FLAG OFFICERS QUARTERS (Continued)
Units Projected to Exceed \$35K per Unit in Operation and Maintenance (O&M)

State/Country	Installation Name	Street Address	Year Built	NSF	Operations	Major Projects	M&R	Total M&R	Utilities	Lease	O&M	Total Cost (Inc Lease & Utils)
Illinois	Rock Island Arsenal	3232 Terrace Drive (003)	1872	4,741	5,950	43,000	23,450	66,450	7,300	0	72,400	79,700
Illinois	Rock Island Arsenal	3294 Terrace Drive (004)	1872	4,455	5,300	0	37,800	37,800	6,045	0	43,100	49,145
Illinois	Rock Island Arsenal	3472 Terrace Drive (006)	1905	5,865	5,750	0	35,300	35,300	6,250	0	41,050	47,300
Italy	USAG Italy (Vicenza)	GFOQ Villa Michaelis (P00150)	1986	2,257	8,690	0	28,355	28,355	10,740	0	37,045	47,785
Japan	Camp Zama	1000 Hillcrest Court	1955	4,194	9,140	12,000	17,510	29,510	1,770	0	38,650	40,420
Korea	USAG Daegu	001-S Camp Walker (CW0000)	1996	2,100	22,980	17,500	12,210	29,710	6,710	0	52,690	59,400
Virginia	Joint Base Myer - Henderson	102 Grant Ave (8)	1903	4,255	18,600	0	25,740	25,740	61,600	0	44,340	105,940
Virginia	Joint Base Myer - Henderson	106 Grant Ave (7)	1909	4,707	20,470	0	25,940	25,940	61,600	0	46,410	108,010
Virginia	Joint Base Myer - Henderson	110 Grant Ave (6)	1908	7,365	20,270	0	25,940	25,940	92,120	0	46,210	138,330
Virginia	Joint Base Myer - Henderson	114 Grant Ave (5)	1903	3,405	17,970	0	20,940	20,940	54,060	0	38,910	92,970
Virginia	Joint Base Myer - Henderson	202 Washington Ave (2)	1899	3,618	17,770	0	20,940	20,940	59,970	0	38,710	98,680
Virginia	Joint Base Myer - Henderson	205-B Lee Ave (21B)	1932	3,241	17,770	0	18,940	18,940	31,430	0	36,710	68,140
Virginia	Joint Base Myer - Henderson	206 Washington Ave (1)	1899	8,460	21,470	0	25,940	25,940	98,030	0	47,410	145,440
Virginia	Joint Base Myer - Henderson	208 Lee Ave (28)	1935	1,623	17,770	0	18,940	18,940	29,840	0	36,710	66,550
Virginia	Joint Base Myer - Henderson	212-A Lee Ave (27A)	1903	3,715	17,770	0	18,940	18,940	48,400	0	36,710	85,110
Virginia	Joint Base Myer - Henderson	212-B Lee Ave (27B)	1903	2,718	17,770	0	18,940	18,940	48,400	0	36,710	85,110
Virginia	Joint Base Myer - Henderson	213-A Lee Ave (19A)	1932	2,108	17,770	0	18,740	18,740	31,430	0	36,510	67,940
Virginia	Joint Base Myer - Henderson	216-A Lee Ave (26A)	1896	2,999	17,230	0	18,940	18,940	47,140	0	36,170	83,310
Virginia	Joint Base Myer - Henderson	220-C Lee Ave (25B)	1896	2,594	17,370	0	18,940	18,940	46,090	0	36,310	82,400
Virginia	Joint Base Myer - Henderson	224-A Lee Ave (24AL)	1896	726	50,640	0	7,200	7,200	18,440	0	57,840	76,280
Virginia	Joint Base Myer - Henderson	228-A Lee Ave (23A)	1896	2,778	17,870	0	18,940	18,940	47,140	0	36,810	83,950
Virginia	Joint Base Myer - Henderson	301-A Jackson Ave (16A)	1908	2,463	15,420	0	31,460	31,460	48,250	0	46,880	95,130
Virginia	Joint Base Myer - Henderson	317-A Jackson Ave (12A)	1892	2,701	15,520	0	53,330	53,330	48,680	0	68,850	117,530
Virginia	Joint Base Myer - Henderson	321-A Jackson Ave (11A)	1892	2,742	15,410	0	29,900	29,900	48,670	0	45,310	93,980
		Grand Totals			1,435,812	117,500	2,674,827	2,792,327	2,039,754	743,881	4,228,139	7,011,775

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2022 Budget Estimates
 Army Family Housing
 GENERAL/FLAG OFFICERS QUARTERS (Continued)

Units over 6,000 NSF for Fiscal Year 2022								
(Dollars in Thousands)								
State/ Country	Installation	Quarters ID	Year Built	Size NSF	Total FH O&M Cost	Alternative Use	Cost to Convert Unit	If O&M>\$35K Demolish & Rebuild Cost
Belgium	USAG Benelux - Chievres	PQ001	1892	10,010	\$496.9	GFOQ is owned by the host nation	N/A	N/A
Virginia	Joint Base Myer - Henderson	1	1899	8,460	\$47.5	The Fort Myer National Historic Landmark District is comprised of 64 buildings which includes Quarters 1	N/A	N/A
Virginia	Joint Base Myer - Henderson	6	1908	7,365	\$46.2	The Fort Myer National Historic Landmark District is comprised of 64 buildings which includes Quarters 6	N/A	N/A
Total	3 GFOQ Units							

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2022 Budget Estimates
 Army Family Housing

United States Army
Privatized General and Flag Officers' Quarters
Operations, Maintenance and Repair Costs Incurred by Private Sector Developer/Partner Owner
Exceeding \$50K per Housing Unit
for Fiscal Year 2020
(Dollars in Thousands)

Installation	Quarters ID	Year Built	Size NSF	Operations Cost	Main & Repair Cost	Total FH O&M Cost
Fort Benning	100 Vibbert	1909	2,901	\$0	\$273,478	\$273,478
Picatinny Arsenal	112 Joyce Lane	1909	4,334	\$942	\$50,765	\$51,707
Fort Hamilton	225 Stonewall Jackson Rd	1961	2,000	\$5,004	\$61,447	\$66,451
Redstone Arsenal	6 Wadsworth	2007	3,978	\$7,196	\$42,969	\$50,165
						\$441,801

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
UTILITIES ACCOUNT

(\$ in Thousands)	
FY 2022 Budget Request	\$43,772
FY 2021 Program Budget	\$41,183

This program provides for utility services for Army Family Housing that include electricity, natural gas, propane, steam/hot water, fuel oil, coal, water and sewage.

Utility requirements are estimated based on historic, per unit expenditures that have been adjusted for inflation factors.

The annual energy consumption reduction goal is reflected in the program. As in prior years, construction and major maintenance and repair projects will contribute to meeting energy reduction goals.

Program adjustments in the Exhibit OP-5 are based on more utilities requirements due to increased utilities consumption. After a couple years of moderate weather conditions overseas leading to lower consumption, utility costs have increased due to colder winters and warmer summers. The Army executed \$40 million and \$43 million in FY18 and FY19. In FY20, the Army executed \$49 million and is on pace to execute \$48 million in FY21.

DEPARTMENT OF THE ARMY
 Fiscal Year (FY) 2022 Budget Estimates
 Army Family Housing
 UTILITIES
 RECONCILIATION OF INCREASES AND DECREASES
 EXHIBIT OP-5

	\$ In Thousands
1. FY 2021 President's Budget Request	41,183
2. FY 2021 Appropriated Amount	41,183
3. FY 2021 Current Estimate	41,183
4. Pricing Adjustments:	1,407
a. Economic Inflation	824
b. Foreign Currency	1,051
c. Non-Pay, Non-Fuel Inflation	-468
5. Program Adjustments:	1,182
a. Higher utilities requirements due to increased utilities consumption. After moderate weather conditions overseas lead to lower consumption, utility usage has increased due to colder winters and warmer summers. Army executed \$40 million and \$43 million in FY18 and FY19. In FY20, the Army executed \$49 million and is on pace to execute \$48 million in FY21.	1,182
6. FY 2022 President's Budget Request	43,772

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
LEASING ACCOUNT
(\$ in Thousands)

FY 2022 Budget Request	\$128,110
FY 2021 Program Budget	\$123,841

PURPOSE AND SCOPE

The purpose of the leasing program is to provide adequate Family housing at both domestic and foreign locations when temporary housing is needed to satisfy housing shortfalls or affordable adequate housing is not readily available. In addition, it provides funding to reimburse Department of State (DoS) for use of Embassy Leased Housing (ELH). The leasing program, authorized by 10 USC 2828, 10 USC 2834, and 10 USC 2835, provides for all costs and manpower associated with leasing, executing, furnishing, and managing leased family homes globally. The program also includes funding for services, such as utilities, refuse collection and maintenance, when these services are not provided as part of the lease contract. Funding to the DoS includes unit rent and utilities, furnishings pool and generator pool buy-ins, and mandatory DoS security upgrades. Once leased, these units are managed and assigned to military Families as government quarters.

The Army continues to rely on the private sector to meet the majority of housing needs. The Army leases Family Housing where affordable adequate private-rental housing is not readily available or where the DoS Chief of Mission mandates it for that location.

The Army Materiel Command, Installation Management Command, the U.S. Army Recruiting Command, the U.S. Army Cadet Command, the U.S. Military Entrance Processing Command, and eight Combatant and Army Commands with DoS Embassy Leased Housing project their requirements annually to the Army Housing Headquarters Office. The Army Housing Headquarters Office validates the requirement request against historic execution rates, known programmatic and stationing changes, and confirms costs with the DoS when applicable.

PROGRAM SUMMARY

Authorization and appropriation are requested for \$128,110,000 to fund leases and related expenses in FY 2022. A summary of the leasing program for the most recent three program years follows:

Lease Type	FY 2020 (Executed)		FY 2021 (Estimate)		FY 2022 (Estimate)	
	Leases Supported	Cost \$000	Leases Supported	Cost \$000	Leases Supported	Cost \$000
Domestic	220	7,190	269	9,276	269	9,440
Foreign	3,377	106,987	3,502	114,565	3,530	118,670
Total	3,597	114,177	3,771	123,841	3,799	128,110

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
LEASING ACCOUNT (Continued)

JUSTIFICATION:

Domestic Leasing: The domestic leasing program provides adequate housing for Army Families on a temporary basis. Domestic leases support the Active Component and include Key and Essential Service Members assigned to the U.S. Southern Command (SOUTHCOM) in Miami, Florida, General Flag Officers Quarters in Austin, TX for Army Futures Command (AFC), Independent Duty Leases (IDL) for Soldiers assigned to the U.S. Army Recruiting Command (USAREC), U.S. Army Cadet Command (USACC), U.S. Military Entrance Processing Command (MEPCOM), and a small contingency of leases for the 177th Armored Brigade at Camp Shelby, MS.

Revised leasing projections for SOUTHCOM in Miami are based on the most recent Housing Market Analysis results, Economic Analysis, Command projections, and historical lease execution from FY19 and FY20. The leasing program will be in place until there is a permanent housing solution found for USAG Miami. In FY20, Army Futures Command (AFC) requested 2 additional General Flag Officers Quarters (GFOQ) be leased in the Austin, TX area, for a total of 4 supported homes. AFC requested a domestic leasing program to provide housing support for headquarters assigned personnel if their basic allowance for housing (BAH) is insufficient. Austin, TX received a significant boost in BAH in FY20, which reduced their projected need for non-GFOQ leases.

Foreign Leasing: The FY 2022 foreign leasing program consists of approximately 3,530 homes that are leased under 10 USC 2828 and 10 USC 2834. Department of State (DoS) executes leases for Department of Defense (DoD) personnel in countries where DoS has sole contracting authority and/or at Embassy Leased Housing (ELH) is mandated. COVID-19 pandemic caused many overseas families assigned to ELH to return early to the United States and some assignments to foreign locations were delayed in FY20 and moved into FY21. The Army expects to return to pre-COVID staffing at foreign embassies in FY22. Humphreys has accelerated their lease termination plans, due to increased availability of community housing and MILCON for the Family Housing towers coming on line.

PROGRAM ADJUSTMENTS

The program is adjusted based on changes to both the domestic and foreign leasing programs. DCS, G-9 will support Army Futures Command and USAG Miami with validated requirements from Housing Market Analysis and the understanding that the program is voluntary since Soldiers forfeit their full BAH to reside in government leased housing. In Europe where leasing is still the most cost effective option for housing, inadequate units are being terminated and replaced with either Build-to-Lease homes or private rentals. Planned 127 Build-to-Lease (BTL) homes in Vicenza, Italy will address housing deficits that will still exist after replacement construction is completed. Lack of adequate housing in the community drives the need for BTL efforts in Europe. There are continued leasing efforts in Belgium and the Netherlands to bring additional homes into the inventory for assignment.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

LEASING

RECONCILIATION OF INCREASES AND DECREASES
EXHIBIT OP-5

	\$ In Thousands
1. FY 2021 President's Budget Request	123,841
2. FY 2021 Appropriated Amount	123,841
3. FY 2021 Current Estimate	123,841
4. Pricing Adjustments:	4,325
a. Economic Inflation	2,477
b. Federal Employee Retirement System	54
c. Performance Awards	14
d. Civilian Pay	26
e. Foreign Currency	3,157
f. Non-Pay, Non-Fuel Inflation	-1,403
5. Program Adjustments:	-56
a. Adjustment to leases (Domestic, Foreign, DoS)	-703
b. Build-to-Lease units in Vicenza, Italy will address housing deficits that will exist after replacement construction is completed. Lack of adequate housing in the community drives the need for BTL efforts in Europe.	647
6. FY 2022 President's Budget Request	128,110

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
LEASING ACCOUNT, FH-4 DISPLAY

	FY2020 (Executed)			FY2021 (Estimate)			FY2022 (Estimate)		
	Units	Lease	(\$000)	Units	Lease	(\$000)	Units	Lease	(\$000)
	Supported	Months		Supported	Months		Supported	Months	
<u>DOMESTIC LEASING</u>									
Independent Duty, Various Locations	185	2,220	5,778	185	2,220	5,778	185	2,220	5,893
Hattiesburg, MS	25	300	536	25	300	674	25	300	687
Miami, FL	1	12	45	25	300	1,000	25	300	1,000
Miami (K&E)	5	60	642	5	60	642	5	60	655
Austin, TX (K&E)	4	48	189	4	48	189	4	48	193
Austin, TX	0	0	0	25	300	993	25	300	1,013
Total Domestic	220	2,640	7,190	269	3,228	9,276	269	3,228	9,440
<u>FOREIGN LEASING</u>									
EUSA (Korea)									
Humphreys	132	1,584	3,186	132	1,584	3,100	71	852	1,701
Total Korea	132	1,584	3,186	132	1,584	3,100	71	852	1,701
USAREUR									
Germany	2,448	29,376	70,734	2,454	29,448	72,326	2,454	29,448	73,772
Belgium	75	900	3,555	100	1,200	4,835	100	1,200	4,932
Netherlands	35	420	1,078	75	900	3,221	75	900	3,285
Italy	524	6,288	18,101	532	6,384	17,766	605	7,260	20,890
Total USAREUR	3,082	36,984	93,468	3,161	37,932	98,148	3,234	38,808	102,879

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
LEASING ACCOUNT, FH-4 DISPLAY (Continued)

<u>FOREIGN LEASING</u>	FY2020 (Executed)			FY2021 (Estimate)			FY2022 (Estimate)		
	Units Supported	Lease Months	(\$000)	Units Supported	Lease Months	(\$000)	Units Supported	Lease Months	(\$000)
Department of State (DoS) Leasing -- Reimbursed Foreign									
Albania	1	12	36	1	12	36	1	12	37
Angola	1	12	165	1	12	165	1	12	165
Argentina	1	12	125	2	24	235	2	24	151
Armenia	2	24	47	1	12	39	1	12	39
Azerbaijan	1	12	56	1	12	57	1	12	57
Belgium	4	48	202	4	48	198	4	48	198
Belize	1	12	64	1	12	65	1	12	65
Bosnia	1	12	36	2	24	67	2	24	67
Brazil	7	84	194	8	96	474	10	120	604
Brunei	0	0	0	0	0	0	0	0	0
Bulgaria	1	12	38	1	12	43	1	12	43
Burkina Faso	2	24	96	2	24	97	2	24	97
Cameroon	1	12	60	1	12	60	0	0	0
Chad	1	12	65	1	12	66	1	12	66
Chile	3	36	256	5	60	363	5	60	363
Colombia	7	84	390	8	96	510	15	180	956
Cote D'Ivoire	2	24	282	3	36	450	3	36	450
Croatia	1	12	38	1	12	39	1	12	39
Czech Republic	3	36	98	3	36	116	3	36	116
Djibouti	2	24	101	2	24	103	2	24	103
Dominican Republic	5	60	375	5	60	378	7	84	540
Ecuador	1	12	63	2	24	218	2	24	129
Egypt	1	12	35	0	0	0	1	12	54
El Salvador	1	12	287	4	48	304	5	60	388
Estonia	2	24	149	2	24	105	2	24	105
Ethiopia	3	36	161	3	36	164	3	36	165
France	9	108	701	10	120	825	10	120	825
Gabon	1	12	67	1	12	69	1	12	70
Georgia	9	108	335	10	120	371	10	120	371
Germany	1	12	113	2	24	93	2	24	93
Ghana	1	12	54	1	12	55	1	12	56
Greece	1	12	56	1	12	50	1	12	50
Guinea	1	12	35	1	12	36	1	12	36
Guyana	3	36	162	3	36	163	4	48	208
Haiti	1	12	54	1	12	55	3	36	153
Hungary	2	24	99	2	24	89	2	24	89
India	1	12	2	2	24	55	2	24	55
Ireland	1	12	40	1	12	40	1	12	40
Israel	6	72	532	8	96	545	8	96	545
Jamaica	1	12	46	1	12	47	2	24	96
Jordan	1	12	144	2	24	216	2	24	216
Kenya	9	108	436	7	84	436	7	84	436
Kosovo	2	24	70	2	24	67	2	24	67
Kuwait	1	12	52	1	12	53	1	12	54
Latvia	0	0	0	0	0	0	0	0	0
Lithuania	2	24	97	2	24	97	4	48	194
Madagascar	1	12	23	1	12	23	1	12	24
Subtotals	109	1,308	6,537	123	1,476	7,738	141	1,692	8,675

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
LEASING ACCOUNT (Continued)

	FY2020 (Executed)			FY2021 (Estimate)			FY2022 (Estimate)		
	Units Supported	Lease Months	(\$000)	Units Supported	Lease Months	(\$000)	Units Supported	Lease Months	(\$000)
<u>FOREIGN LEASING (Continued)</u>									
Department of State (DoS) Leasing -- Reimbursed Foreign									
Malawi	2	24	117	2	24	119	2	24	119
Malaysia	1	12	57	0	0	0	0	0	0
Mali	1	12	54	1	12	55	1	12	56
Mauritania	1	12	43	1	12	44	1	12	45
Mauritius	1	12	87	1	12	88	1	12	89
Mexico	2	24	200	2	24	153	2	24	153
Moldova	1	12	50	1	12	50	1	12	50
Montenegro	0	0	0	2	24	51	1	12	51
Morocco	2	24	97	4	48	318	4	48	318
Mozambique	1	12	56	1	12	57	1	12	58
Nepal	1	12	53	1	12	41	1	12	41
New Zealand	1	12	59	1	12	58	1	12	59
Norway	2	24	139	2	24	145	2	24	145
Oman	1	12	217	3	36	479	3	36	347
Peru	1	12	66	2	24	139	3	36	212
Philippines	1	12	67	2	24	209	2	24	171
Qatar	0	0	0	0	0	0	0	0	0
Romania	4	48	145	4	48	107	4	48	107
Rwanda	1	12	25	1	12	26	1	12	26
Senegal	2	24	150	2	24	203	2	24	204
Serbia	0	0	0	3	36	138	3	36	138
Sierra Leone	1	12	65	1	12	66	1	12	66
Slovakia	0	0	0	1	12	43	1	12	44
Slovenia	0	0	0	1	12	35	1	12	36
Sri Lanka	1	12	15	1	12	56	1	12	56
Suriname	0	0	0	2	24	132	2	24	133
The Netherlands	2	24	112	2	24	122	1	12	123
Tunisia	2	24	96	3	36	96	3	36	96

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
LEASING ACCOUNT (Continued)

	FY2020 (Executed)			FY2021 (Estimate)			FY2022 (Estimate)		
	Units	Lease		Units	Lease		Units	Lease	
	Supported	Months	(\$000)	Supported	Months	(\$000)	Supported	Months	(\$000)
<u>FOREIGN LEASING</u>									
Turkey	0	0	0	9	108	294	9	108	264
Uganda	0	0	0	2	24	100	2	24	100
Ukraine	3	36	168	5	60	270	5	60	270
United Kingdom	3	36	445	4	48	493	4	48	494
Uruguay	0	0	0	1	12	53	4	48	327
Uzbekistan	0	0	0	1	12	44	2	24	70
Vietnam	0	0	0	1	12	45	1	12	46
Subtotal	38	456	2,585	70	840	4,331	73	876	4,515
Total Foreign DoS Leasing	147	1,764	9,122	193	2,316	12,069	214	2,568	13,190
Other Foreign Leasing									
Poland	1	12	65	1	12	67	1	12	67
Qatar	15	180	1146	15	180	1181	10	120	833
Total Other Foreign Leasing	16	192	1,211	16	192	1,248	11	132	900
Total Foreign Leasing	3,377	40,524	106,987	3,502	42,024	114,565	3,530	42,360	118,670
TOTAL LEASING PROGRAM	3,597	43,164	114,177	3,771	45,252	123,841	3,799	45,588	128,110

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
LEASING ACCOUNT (Continued)
FY 2022 SUMMARY SHEET FOR FOREIGN HIGH COST LEASES

<u>COUNTRY</u>	<u>TOTAL LEASES</u>	<u>HIGH COST LEASES</u>	<u>FY 1988 FOREIGN CURRENCY</u>	<u>FY 1988 EXCHANGE RATE</u>	<u>FY 2022 BUDGET RATE</u>	<u>FY 2022 EST. THRESHOLD</u>	<u>EST. UNIT COST</u>
Belgium	100	19	B Franc	42.77	0.8703 (Euro)	\$70,865	\$104,305
Netherlands	75	2	Guilder	2.33	0.8703 (Euro)	\$70,669	\$75,384
Poland	1	1	Zloty	284.0	n/a	\$43,102	\$47,573

The threshold for classifying foreign leases as high cost leases is determined by first adjusting the \$20,000 authority for CPI changes. If the country uses the Euro, then the CPI-adjusted \$20,000 (\$25,000 in Italy) authority is multiplied by the result of the conversion-to-Euro adjusted rate divided by the FY budget rate. The conversion to Euro adjusted rate is the FY 1988 currency rate divided by the official, permanent Euro conversion rate – for Belgium, its 40.3399 and for the Netherlands, its 2.20371. For non-EU countries, the CPI-adjusted \$20,000 (\$25,000 and \$35,000 in Korea) authority is adjusted for exchange fluctuations since FY 1988. Leases exceeding a country's threshold are counted against the Army's high cost lease allocation.

<u>\$20K CPI Est. FY 2021</u>		<u>FY 1988 Rate</u>		<u>Permanent Belgium Franc/Guilder to Euro Conversion Rate</u>		<u>FY 2022 Euro Budget Rate</u>		<u>FY 2022 High Cost Threshold</u>
\$58,170	x	(42.77	÷	40.3399	÷	0.8703)	=	\$70,865
\$58,170	x	(2.33	÷	2.20371	÷	0.8703)	=	\$70,669

Note: Department of State Housing Pool participants are not subject to the maximum lease amounts cited for foreign leases in Section 2828(e)(1) of Title 10, United States Code. Clarification of participation in Department of State Housing Pools is discussed in Section 2834 of Title 10, United States Code.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
MILITARY HOUSING PRIVATIZATION INITIATIVE (MHPI)

(\$ in Thousands)

FY 2022 Budget Request	\$38,404
FY 2021 Program Budget	\$37,948
*FY 2021 Enactment: FH Support and Mgmt	\$20,000
FY 2021 Appropriated Amount	\$57,948

*Funds provided by Congress in FY 2021 for additional family housing support and management costs are 3-year appropriated funds.

PURPOSE AND SCOPE

The Department of the Army continues to employ the tools authorized under 10 USC 2871-2886 to execute a Family Housing privatization program. The goal of this program is to improve the well-being of Army Families by providing quality, affordable Family Housing in the United States (U.S.) at locations where adequate local housing is not available in the off-post community. The Army's Residential Communities Initiative (RCI) Family Housing program consists of almost 85,300 privatized end-state Family Housing units at 44 military installations, representing over 99% of the Army's on-post Family Housing inventory in the U.S.

The Initial Development Period (IDP) for Army RCI Family Housing projects varied from three to fourteen years and was the timeframe in which all inadequate Family Housing units in a project or at an installation were renovated or replaced and construction of additional units was done. The Army has closed out all project IDPs and are approving Out-Year Development Plans (OYDPs). The OYDPs are typically in five-year increments across the life of the privatization agreement and continue the work and upkeep of the privatized Family Housing units.

The Army maintains oversight of the RCI program through a rigorous Portfolio and Asset Management (PAM) process. The PAM process was revised because of P.L. 116-92.

The Army may consider future Family Housing privatization where needed and feasible. The RCI program is a key component of the Army's strategy to ensure long-term sustainment of quality communities and housing for Soldiers and their Families.

Program Summary

The FY 2022 funding request provides \$38,404,000 for RCI program PAM, oversight and operations. Funding will support civilian pay, travel, ground lease compliance and supplemental agreement processing, environmental and real estate assessments, training, financial consultant services, and the privatization modules in the Department of Defense system, enterprise Military Housing (eMH).

Oversight of this program continues to evolve to correct PAM gaps and issues identified in 2019 and to meet statutory requirements in P.L.116-92.

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

MILITARY HOUSING PRIVATIZATION INITIATIVE (MHPI) (Continued)

Estimated Basic Allowance for Housing (BAH) To Be Paid To Members Living In Privatized Housing

It is estimated that the Army will pay basic allowance for housing (BAH) under section 403 of title 37 to members living in privatized housing the amounts of \$1,629,234,000 in FY 2021 and \$1,658,560,212 in FY 2022. The number of units of military family housing upon which these estimated payments are made is 73,173 in FY 2021 and FY 2022. The number of units of military unaccompanied housing upon which these estimated payments are made is 1,695 in FY 2021 and FY 2022.

These estimates meet the reporting requirement stipulated in 10 USC 2884 (b) (2). However, it must be noted that it is difficult to project the true cost of BAH allowances provided to members living in privatized housing. BAH allowances for members in privatized housing are not specifically tracked in budget or execution data, as these members receive the same allowances as those who live on the economy. BAH accounting data is available for only the various categories of payments (for instance, domestic with and without dependents, partial, overseas housing allowances, etc).

The table below summarizes FY 2022 RCI Family Housing program costs (\$ in Thousands):

Installation Level Program/Project Management and Oversight (Army Material Command)	\$27,079
Environmental/Real Estate/Legal (U.S. Army Corps of Engineers)	\$1,784
Portfolio Management/Advisory Support (Headquarters, Department of the Army)	\$9,541
Total	\$38,404

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

PRIVATIZATION

RECONCILIATION OF INCREASES AND DECREASES
EXHIBIT OP-5

	\$ InThousands	
1. FY 2021 President's Budget Request		37,948
2. Program Adjustment: Congressional Adjustment		20,000
a. Family Housing Support and Management Costs	20,000	
3. FY 2021 Appropriated Amount		57,948
4. FY 2021 Current Estimate		57,948
5. Pricing Adjustments:		456
a. Economic Inflation	759	
b. Federal Employee Retirement System	128	
c. Performance Awards	33	
d. Civilian Pay	62	
e. Non-Pay/Non-Fuel Inflation	-526	
6. Program Decrease: One Time FY21 Congressional Program Increase		-20,000
a. Family Housing Support and Management Costs	-20,000	
7. FY 2022 President's Budget Request		38,404

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
MILITARY HOUSING PRIVATIZATION INITIATIVE (MHPI)
FH-6 Exhibit

Privatization Date ¹	MHPI Project Name ²	Installation/State ³	Approved by OSD & OMB ⁴						Actual/Current Plan ⁸						MHPI Authorities ¹³	
			No. Units Conveyed ⁵	No. End State Units ⁶	Funding Source(s) ⁷				No. Units Conveyed ⁹	No. End State Units ¹⁰	Total No. Units in Current Inventory ¹¹	Funding Source(s) ¹²				Source Project Name ¹²
					Amount (\$M) ^{7a}	Budget Year(s) ^{7b}	Type of Funds ^{7c}	Source Project Name ^{7d}				Amount (\$M) ¹²	Budget Year(s) ¹²	Type of Funds ¹²		
Nov-99	Fort Carson Family Housing, LLC	Fort Carson/CO	1,823	3,456	98.300 37.600	FY08 FY09	FHIF FHIF	68878 75333	1,823	3,368	3,446	98.300 37.600	FY08 FY09	FHIF FHIF	68878 75333	2,3,5
Nov-01	Fort Hood Family Housing, LP	Fort Hood/TX	5,622	5,912	52.000	FY09	FHIF	75301	5,622	5,912	5,617	52.000	FY09	FHIF	75301	3,5
Apr-02	Lewis-McChord Communities, LLC	Joint Base Lewis-McChord/WA	4,615	4,959	72.700 16.200	FY08 FY08	FHIF FHIF	68876 UNK	4,615	4,994	5,159	72.700 16.200	FY08 FY08	FHIF FHIF	68876 UNK	3,5
May-02	Meade Communities, LLC	Fort Meade/MD	2,862	2,627	0.000	N/A	N/A	N/A	2,862	2,627	2,628	0.000	N/A	N/A	N/A	3,5
Aug-03	Bragg Communities, LLC	Fort Bragg/NC	5,375	6,238	49.437 44.400 5.400	FY02 FY08 FY10	FHIF FHIF FHIF	55079 68875 66655	5,375	6,238	6,104	49.437 44.400 5.400	FY02 FY08 FY10	FHIF FHIF FHIF	55079 68875 66655	3,5
Oct-03	Monterey Bay Military Housing, LLC	Presidio of Monterey/CA	2,668	1,565	0.000	N/A	N/A	N/A	2,668	1,565	2,400	0.000	N/A	N/A	N/A	3,5
Nov-03	Stewart Hunter Housing, LLC	Fort Stewart/GA Hunter Army Airfield/GA	2,926	3,477	37.374 5.201	FY02 FY09	FHIF FHIF	55179 76243	2,926	3,268	3,268	37.374 5.201	FY02 FY09	FHIF FHIF	55179 76243	3,5
Dec-03	Fort Belvoir Residential Communities	Fort Belvoir/VA	2,070	2,106	0.000	N/A	N/A	N/A	2,070	2,154	2,087	0.000	N/A	N/A	N/A	3,5
Dec-03	Campbell Crossing, LLC	Fort Campbell/KY	4,235	4,457	60.105 28.000	FY02 FY06	FHIF FHIF	55176 62219	4,235	4,457	4,457	60.105 28.000	FY02 FY06	FHIF FHIF	55176 62219	3,5
Mar-04	California Military Communities	Fort Irwin/CA Moffett Field/CA Camp Parks/CA	2,290	2,982	26.660 31.000 30.000	FY06 FY07 FY10	FHIF FHIF FHIF	62216 65193 72702	2,290	2,895	2,895	26.660 31.000 30.000	FY06 FY07 FY10	FHIF FHIF FHIF	62216 65193 72702	3,5
Jun-04	Fort Hamilton Housing, LLC	Fort Hamilton/NY	293	228	2.175 3.000	FY02 FY09	FHIF FHIF	56859 56859	293	228	228	2.175 3.000	FY02 FY09	FHIF FHIF	56859 56859	3,5
Jul-04	Fort Detrick / Walter Reed Army Medical Center Housing, LLC	Fort Detrick/MD Walter Reed Army Medical Center/DC	410	602	1.186 0.099	FY02 FY02	FHIF FHIF	56858 56860	410	593	593	1.186 0.099	FY02 FY02	FHIF FHIF	56858 56860	3,5
Sep-04	Polk Communities, LLC	Fort Polk/LA	3,466	3,933	53.655 18.392	FY03 FY10	FHIF FHIF	57430 72704	3,466	3,661	3,661	53.655 18.392	FY03 FY10	FHIF FHIF	57430 72704	2,3,5
Oct-04	Island Palm Communities, LLC	Fort Shafter/HI Schofield Barracks/HI	8,132	7,378	0.000	N/A	N/A	N/A	8,132	7,240	7,833	0.000	N/A	N/A	N/A	3,5
Dec-04	Fort Eustis / Fort Story Housing LLC	Joint Base Langley-Eustis/VA Joint Expeditionary Base Little Creek-Fort Story/VA	1,115	1,132	14.800 6.500 19.960	FY03 FY10 FY11	FHIF FHIF FHIF	57432 66657 72711	1,115	1,131	1,131	14.800 6.500 19.960	FY03 FY10 FY11	FHIF FHIF FHIF	57432 66657 72711	3,5
Mar-05	Fort Leonard Wood Family Communities, LLC	Fort Leonard Wood/MO	2,496	1,806	29.000 15.750	FY03 FY09	FHIF FHIF	57435 57435	2,496	1,806	1,806	29.000 15.750	FY03 FY09	FHIF FHIF	57435 57435	3,5
Mar-05	Fort Sam Houston Family Housing, LP	Joint Base San Antonio/TX	925	925	6.600	FY04	FHIF	57811	925	925	925	6.600	FY04	FHIF	57811	3,5
May-05	Fort Drum Mountain Community Homes, LLC	Fort Drum/NY	2,272	3,669	52.000 75.000	FY04 FY07	FHIF FHIF	58559 65191	2,272	3,793	3,792	52.000 75.000	FY04 FY07	FHIF FHIF	58559 65191	3,5
Jul-05	Fort Bliss/White Sands Missile Range Housing LP	Fort Bliss/TX White Sands Missile Range/NM	3,315	4,351	38.000 30.000 4.960 12.600 35.600 127.000	FY04 FY05 FY06 FY07 FY08 FY09	FHIF FHIF FHIF FHIF FHIF FHIF	57813 57070 62224 66313 68867 71215	3,315	4,843	4,602	38.000 30.000 4.960 12.600 35.600 127.000	FY04 FY05 FY06 FY07 FY08 FY09	FHIF FHIF FHIF FHIF FHIF FHIF	57813 57070 62224 66313 68867 71215	3,5

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

MILITARY HOUSING PRIVATIZATION INITIATIVE (MHPI)
FH-6 Exhibit (Continued)

Privatization Date ¹	MHPI Project Name ²	Installation/State ³	Approved by OSD & OMB ⁴						Actual/Current Plan ⁸						MHPI Authorities ¹³	
			No. Units Conveyed ⁵	No. End State Units ⁶	Funding Source(s) ⁷				No. Units Conveyed ⁹	No. End State Units ¹⁰	Total No. Units in Current Inventory ¹¹	Funding Source(s) ¹²				
					Amount (\$M) ^{7a}	Budget Year(s) ^{7b}	Type of Funds ^{7c}	Source Project Name ^{7d}				Amount (\$M) ¹²	Budget Year(s) ¹²	Type of Funds ¹²		Source Project Name ¹²
Jan-06	Fort Benning Family Communities, LLC	Fort Benning/GA	3,945	4,000	55.150	FY05	FHIF	57812	3,945	4,000	4,001	55.150	FY05	FHIF	57812	3,5
Mar-06	Fort Leavenworth Frontier Heritage Communities, LLC	Fort Leavenworth/KS	1,578	1,583	15.000	FY05	FHIF	58557	1,578	1,583	1,695	15.000	FY05	FHIF	58557	3,5
Apr-06	Rucker Communities, LLC	Fort Rucker/AL	1,512	1,476	24.000	FY05	FHIF	57815	1,512	1,476	1,476	24.000	FY05	FHIF	57815	3,5
May-06	Carlisle / Picatinny Family Housing LP	Carlisle Barracks/PA Picatinny Arsenal/NJ	429	348	0.494 22.000 16.940 14.970	FY02 FY04 FY06 FY11	FHIF FHIF FHIF FHIF	56857 59123 UNK 66738	429	348	348	0.494 22.000 16.940 14.970	FY02 FY04 FY06 FY11	FHIF FHIF FHIF FHIF	56857 59123 UNK 66738	3,5
May-06	Fort Gordon Housing, LLC	Fort Gordon/GA	876	887	9.000	FY05	FHIF	57814	876	1,080	1,072	9.000	FY05	FHIF	57814	3,5
Jul-06	Riley Communities, LLC	Fort Riley/KS	3,114	3,514	8.400 8.300 30.000 33.000 67.000 7.200	FY04 FY04 FY05 FY05 FY06 FY10	FHIF FHIF FHIF FHIF FHIF FHIF	60301 60320 60223 60531 62218 UNK	3,114	3,827	3,827	8.400 8.300 30.000 33.000 67.000 7.200	FY04 FY04 FY05 FY05 FY06 FY10	FHIF FHIF FHIF FHIF FHIF FHIF	60301 60320 60223 60531 62218 UNK	3,5
Oct-06	Redstone Communities, LLC	Redstone Arsenal/AL	462	230	0.590	FY05	FHIF	57810	462	230	353	0.590	FY05	FHIF	57810	3,5
Dec-06	Knox Hills, LLC	Fort Knox/KY	2,998	2,563	31.000 26.700 13.995	FY05 FY10 FY10	FHIF FHIF FHIF	58556 66654 72703	2,998	2,563	2,382	31.000 26.700 13.995	FY05 FY10 FY10	FHIF FHIF FHIF	58556 66654 72703	3,5
Aug-07	Sill Communities, LLC	Fort Sill/OK	1,411	1,728	26.680 30.500 20.320	FY07 FY08 FY10	FHIF FHIF FHIF	62443 66642 72707	1,411	1,728	1,813	26.680 30.500 20.320	FY07 FY08 FY10	FHIF FHIF FHIF	62443 66642 72707	3,5
Sep-07	Fort Lee Commonwealth Communities, LLC	Fort Lee/VA	1,206	1,493	13.464 19.305	FY06 FY06	FHIF FHIF	61730 62263	1,206	1,508	1,508	13.464 19.305	FY06 FY06	FHIF FHIF	61730 62263	3,5
Aug-08	Fort Jackson Housing, LLC	Fort Jackson/SC	1,162	850	15.000 43.900	FY05 FY08	FHIF FHIF	60215 66644	1,162	850	850	15.000 43.900	FY05 FY08	FHIF FHIF	60215 66644	3,5
Aug-08	West Point Housing, LLC	U.S. Military Academy at West Point/NY	961	824	22.000	FY07	FHIF	62504	961	824	825	22.000	FY07	FHIF	62504	3,5
Apr-09	Fort Huachuca - Yuma Proving Ground Communities, LLC	Fort Huachuca/AZ Yuma Proving Ground/AZ	1,570	1,169	0.000	N/A	N/A	N/A	1,570	1,270	1,270	0.000	N/A	N/A	N/A	3,5
Apr-09	North Haven Communities, LLC	Fort Wainwright/AK Fort Greely/AK	1,976	1,815	25.000 30.000 36.200 52.000 33.910	FY08 FY09 FY09 FY10 FY11	FHIF FHIF FHIF FHIF FHIF	66641 66646 66647 66643 75305	1,976	1,926	1,926	25.000 30.000 36.200 52.000 33.910	FY08 FY09 FY09 FY10 FY11	FHIF FHIF FHIF FHIF FHIF	66641 66646 66647 66643 75305	2,3,5
Dec-09	Aberdeen Proving Ground Communities, LLC	Aberdeen Proving Ground/MD	1,006	372	14.000	FY09	FHIF	75304	1,006	372	950	14.000	FY09	FHIF	75304	3,5
Grand Totals¹⁴			81,116	84,655	1,906.672				81,116	85,283	86,928	1,906.672				

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

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DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing
REIMBURSABLE PROGRAM

(\$ in Thousands)

FY 2022 Budget Request	\$15,000
FY 2021 Program Budget	\$15,000

The Reimbursable program provides for the collection and use of payments for utilities and services, routine maintenance and repair, rents associated with the use of government housing by authorized occupants, and damages caused by occupant negligence. This account provides authority to incur costs for services and repair of damages to be reimbursed by collection of payments from Federal and non-Federal sources.

The following table shows the source of receipts for the Family housing account.

	FY 2021 (Program Budget)	FY 2022 (Budget Request)
Non-Federal Sources	12,056	12,056
Federal Sources	2,944	2,944

DEPARTMENT OF THE ARMY
Fiscal Year (FY) 2022 Budget Estimates
Army Family Housing

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***Department of the Army
Fiscal Year (FY) 2022
President's Budget
Submission***

Homeowners Assistance Fund, Defense

**JUSTIFICATION DATA SUBMITTED TO CONGRESS
May 2021**

DEPARTMENT OF ARMY
Fiscal Year (FY) 2022 Budget Estimates
Homeowners Assistance Fund, Defense
TABLE OF CONTENTS

<u>DESCRIPTION</u>	<u>PAGE NUMBER</u>
TABLE OF CONTENTS	i
BUDGET APPENDIX EXTRACT	
PROGRAM AND SCOPE	1
PROGRAM SUMMARY	2
AUTHORIZATION AND APPROPRIATION LANGUAGE	3
PROGRAM FINANCIAL SUMMARY	4
EXHIBIT HA1 – WORKLOAD AND OBLIGATION DATA	5
EXHIBIT HA2 – STATUS OF ACCOUNTS	8
EXHIBIT HA3 – WORK UNIT DATA	14
EXHIBIT HA4 – PROGRAM AND FINANCING	17

May 2021

DEPARTMENT OF ARMY
Fiscal Year (FY) 2022 Budget Estimates
Homeowners Assistance Fund, Defense

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DEPARTMENT OF ARMY
Fiscal Year (FY) 2022 Budget Estimates
Homeowners Assistance Fund, Defense
SUMMARY

	(In Thousands)
FY 2022 Program/Appropriation	\$2,582/ -0-
FY 2021 Program/Appropriation	\$2,723/ -0-

Program and Scope

This fund finances the Department of Defense Homeowners Assistance Program (HAP). The HAP is a benefit program available to assist eligible beneficiaries in three categories:

- (1) Military and civilian Federal employee homeowners when the real estate market is adversely affected directly related to the closure or reduction-in-scope of operations due to Base Realignment and Closure (BRAC).
- (2) Service members who are wounded, injured, or made ill as a consequence of duties during a forward deployment after September 11, 2001; and
- (3) The spouses of a member of the Armed Forces or a civilian employee of the Department of Defense or the United States Coast Guard who is killed in the line of duty or in the performance of his or her duties during a deployment on or after September 11, 2001, in support of the Armed Forces or died from a wound, injury, or illness incurred in the line of duty during such a deployment.

HAP provides some financial assistance to these homeowners when they are unable to sell their homes under reasonable terms and conditions. Although HAP provides for acquisition of dwellings under certain circumstances, since there is no governmental requirement for these residential properties and the government must resell any properties it acquires immediately, HAP is therefore not subject to the general procedures for acquiring and disposing of Army real property. Moreover, HAP is not a claims program. All determinations made by the Secretary of Defense are final and conclusive and, by statute, are not subject to judicial review. Therefore, every effort must be made to ensure that each applicant is treated fairly and receives the maximum benefits for which he/she may be eligible within available appropriations.

Per DoD Directive 4165.50E, the Under Secretary of Defense for Acquisition, Technology, and Logistics (USD (AT&L)) has overall responsibility and, through the Office of the Assistant Secretary of Defense for Energy, Installations, and Environment provides oversight for this program. The Army, acting as the DoD Executive Agent for administering the HAP, uses the Headquarters, U. S. Army Corps of Engineers (HQUSACE) to implement the program.

DEPARTMENT OF ARMY
Fiscal Year (FY) 2022 Budget Estimates
Homeowners Assistance Fund, Defense

Program Summary

The FY 2022 budget requests authorization of appropriation in the amount of \$-0- to fund Homeowners Assistance Fund program expenses. The total program estimate for FY 2022 is \$2,581,603 and will be funded with revenue from sales of acquired properties, and prior year unobligated balances. Program expenses include payments to homeowners for losses on private sales; costs of judicial foreclosures; property acquisitions by liquidating and/or assuming outstanding mortgages; partial payment of homeowners' lost equity on government acquisitions; retirement of debt after the sale of properties when the government assumes mortgages; and administrative expenses.

The Homeowners Assistance Fund, Defense (HOA) is a non-expiring revolving fund. The Program Financial Summary chart that follows shows that the fund receives funding from several sources: appropriations, borrowing authority, reimbursable authority, prior fiscal year unobligated balances, appropriation transfers, revenue from sale of acquired properties, and recovery of prior year obligations. The fund is not a profit-making endeavor. Although the proceeds from the sale of homes are returned to the fund, this revenue does not always replenish it nor totally fund projected requirements. Since the Homeowners Assistance Fund is not self-sustaining, periodic appropriations may be required to maintain its solvency as a revolving fund. In the past, Congress has authorized the transfer of funds from the BRAC account to the Homeowners Assistance Fund when BRAC programs cause HAP activity.

The FY 2022 HAP financial condition requires no budget request to fund the program requirements and maintain the fund's solvency. The program will maintain the fund's solvency with prior year carryover and revenue. Program activity and funding requirements for HAP are based on execution timelines and eligible Wounded, Ill, and Injured and Surviving Spouses. This estimate of zero request is based on no planned BRAC related closures or realignments or other non-BRAC unit restationing in FY 2022.

May 2021

DEPARTMENT OF ARMY
Fiscal Year (FY) 2022 Budget Estimates
Homeowners Assistance Fund, Defense
AUTHORIZATION AND
APPROPRIATION LANGUAGE

For use in the Homeowners Assistance Fund established pursuant to section 1013(d) of the Demonstration Cities and Metropolitan Development Act of 1966, as amended (42 U.S.C. 3374), [0] \$-0- to become available on October 1, 2021 and remain available until expended.

General Provision: Continue the annual provision of transfer authority from BRAC into HAP in the General Provisions of the Military Quality of Life and Veterans Affairs Appropriations Act.

May 2021

**DEPARTMENT OF ARMY
Fiscal Year (FY) 2022 Budget Estimates
Homeowners Assistance Fund, Defense**

The chart below is a summary of the funding for FY2020, FY2021 and FY2022

PROGRAM FINANCIAL SUMMARY

HOMEOWNERS ASSISTANCE FUND, DEFENSE	ACTUAL ESTIMATE FY 2020	BUDGET REQUEST FY 2021	BUDGET ESTIMATE FY 2022
PROGRAM RESOURCES			
New Appropriation/TOA Requested	0	0	0
Indefinite Borrowing Authority	0	0	0
Transfer To/From Other Account/Permanently Reduced	0	0	0
Total Budget Authority Requested	0	0	0
REIMBURSABLE RESOURCES			
Reimbursable Authority	0	0	0
OTHER PROGRAM RESOURCES			
Prior FY Unoblig Bal Brought FWD	49,912,345	49,653,757	46,930,276
Unobligated Balance Transferred - TO / FROM	0	0	0
Anticipated Revenue from Sale of Real Property	0	0	0
Recovery of Prior Year Balances	250,235	0	0
TOTAL PROGRAM RESOURCES	50,162,580	49,653,757	46,930,276
PLANNED PROGRAM EXECUTION			
Payments to Homeowners	169,926	355,000	355,000
Other Operating Cost	388,897	2,368,481	2,226,603
Acquisition of Real Property	0	0	0
Mortgages Assumed	0	0	0
Retirement of Debt - Authority W/D	0	0	0
TOTAL PLANNED PROGRAM EXPENSE	508,823	2,723,481	2,581,603
ANTICIPATED EOY UNOBLIGATED :			
Unused - Mortgage Assumption Authority	0	0	0
Balance Carried Forward	49,653,757	46,930,276	44,348,673

DEPARTMENT OF ARMY
Fiscal Year (FY) 2022 Budget Estimates
Homeowners Assistance Fund, Defense
Workload and Obligation Data
FY 2022

	Budget Actual - FY 2020			Budget Enactment - FY 2021			Budget Request - FY 2022		
	Units	Dollars (000)	AVG (\$)	Units	Dollars (000)	AVG (\$)	Units	Dollars (000)	AVG (\$)
1. INVESTMENT									
a. Equity Payments	1	3	3	2	10	5,000	2	10	5,000
b. Liquidation of Mortgages									
(1) 1st Mortgage	1	119	119	2	300	150,000	2	300	150,000
(2) 2nd Mortgage	0	0	0	0	0	0	0	0	0
(3) Other Liens	0	0	0	0	0	0	0	0	0
c. Total: Payments	0	0	0	4	310	77,500	4	310	77,500
d. Mortgages Assumed	0	0	0	0	0	0	0	0	0
e. Total Investment		122			310			310	
2. EXPENSE									
a. Payments - Private Sales	1	48	48,000	3	45	15,000	3	45	15,000
b. Payments - Real Property	0	0	0	0	0	0	0	0	0
c. Payments - Foreclosures	0	0	0	0	0	0	0	0	0
d. Payments - Reimbursements/Refunds	0	0	0	0	0	0	0	0	0
e. Subtotal - Payments to Homeowners	1	48	48,000	3	45	15,000	3	45	15,000
f. Appraisals	0	0	0	0	0	0	0	0	0
g. Administrative Expense		329			2,312			2,171	
h. Total Expense - Acquisition		378			2,357			2,216	
3. EXPENSE - MANAGEMENT & DISPOSAL									
a. Appraisals	0	0	0	0	0	0	0	0	0
b. Interest/Taxes/Insurance	0	0	0	2	2	1,000	2	2	1,000
c. Sales Expense	0	0	0	2	24	12,000	2	24	12,000
d. Maintenance & Operating Expense	0	0	0	0	0	0	0	0	0
e. Administrative Expense		10			30			30	
f. Total Expense Management & Disposal		10			56			56	
4. TOTAL EXPENSE		388			2,413			2,272	
5. TOTAL PROGRAM - INVESTMENT AND EXPENSE		510			2,723			2,582	

EXHIBIT HA-1

DEPARTMENT OF ARMY
Fiscal Year (FY) 2022 Budget Estimates
Homeowners Assistance Fund, Defense
Workload and Obligation Data
FY 2022

BRAC PROGRAMS

	Budget Actual - FY 2019			Budget Enactment - FY 2020			Budget Request - FY 2021		
	Units	Dollars (000)	AVG (\$)	Units	Dollars (000)	AVG (\$)	Units	Dollars (000)	AVG (\$)
1. INVESTMENT									
a. Equity Payments	1	3	3	0	0	0	0	0	0
b. Liquidation of Mortgages									
(1) 1st Mortgage	0	0	0	0	0	0	0	0	0
(2) 2nd Mortgage	0	0	0	0	0	0	0	0	0
(3) Other Liens	0	0	0	0	0	0	0	0	0
c. Total: Payments	0	0	0	0	0	0	0	0	0
d. Mortgages Assumed	0	0	0	0	0	0	0	0	0
e. Total Investment		0			0			0	
2. EXPENSE									
a. Payments - Private Sales	0	0	0	0	0	0	0	0	0
b. Payments - Real Property	0	0	0	0	0	0	0	0	0
c. Payments - Foreclosures	0	0	0	0	0	0	0	0	0
d. Payments - Reimbursements/Refunds	0	0	0	0	0	0	0	0	0
e. Subtotal - Payments to Homeowners	0	0	0	0	0	0	0	0	0
f. Appraisals	0	0	0	0	0	0	0	0	0
g. Administrative Expense		0			0			0	
h. Total Expense - Acquisition		0			0			0	
3. EXPENSE - MANAGEMENT & DISPOSAL									
a. Appraisals	0	0	0	0	0	0	0	0	0
b. Interest/Taxes/Insurance	0	0	0	0	0	0	0	0	0
c. Sales Expense	0	0	0	0	0	0	0	0	0
d. Maintenance & Operating Expense	0	0	0	0	0	0	0	0	0
e. Administrative Expense		0			0			0	
f. Total Expense Management & Disposal		0			0			0	
4. TOTAL EXPENSE		0			0			0	
5. TOTAL PROGRAM - INVESTMENT AND EXPENSE		3			0			0	

EXHIBIT HA-1

DEPARTMENT OF ARMY
Fiscal Year (FY) 2022 Budget Estimates
Homeowners Assistance Fund, Defense
Workload and Obligation Data
FY 2022

NON-BRAC PROGRAMS

	Budget Actual - FY 2019			Budget Enactment - FY 2020			Budget Request - FY 2021		
	Units	Dollars (000)	AVG (\$)	Units	Dollars (000)	AVG (\$)	Units	Dollars (000)	AVG (\$)
1. INVESTMENT									
a. Equity Payments	0	0	0	2	10	5,000	2	10	5,000
b. Liquidation of Mortgages									
(1) 1st Mortgage	1	119	119	2	300	150,000	2	300	150,000
(2) 2nd Mortgage	0	0	0	0	0	0	0	0	0
(3) Other Liens	0	0	0	0	0	0	0	0	0
c. Total: Payments	0	0	0	4	310	77,500	4	310	77,500
d. Mortgages Assumed	0	0	0	0	0	0	0	0	0
e. Total Investment		119			310			310	
2. EXPENSE									
a. Payments - Private Sales	1	48	48,000	3	45	15,000	3	45	15,000
b. Payments - Real Property	0	0	0	0	0	0	0	0	0
c. Payments - Foreclosures	0	0	0	0	0	0	0	0	0
d. Payments - Reimbursements/Refunds	0	0	0	0	0	0	0	0	0
e. Subtotal - Payments to Homeowners	1	48	48,000	3	45	15,000	3	45	15,000
f. Appraisals	0	0	0	0	0	0	0	0	0
g. Administrative Expense		329			2,312			2,171	
h. Total Expense - Acquisition		378			2,357			2,216	
3. EXPENSE - MANAGEMENT & DISPOSAL									
a. Appraisals	0	0	0	0	0	0	0	0	0
b. Interest/Taxes/Insurance	0	0	0	2	2	1,000	2	2	1,000
c. Sales Expense	0	0	0	2	24	12,000	2	24	12,000
d. Maintenance & Operating Expense	0	0	0	0	0	0	0	0	0
e. Administrative Expense		10			30			30	
f. Total Expense Management & Disposal		10			56			56	
4. TOTAL EXPENSE		388			2,413			2,272	
5. TOTAL PROGRAM - INVESTMENT AND EXPENSE		502			2,723			2,582	

EXHIBIT HA-1

May 2021

DEPARTMENT OF ARMY
Fiscal Year (FY) 2022 Budget Estimates
Homeowners Assistance Fund, Defense
STATUS OF ACCOUNTS - PART I
FY 2020 Budget Actual

ITEM	CASH (\$000)	AUTHORITY TO SPEND AGENCY DEBT RECEIPT (\$000)	TOTAL (\$000)
1. EXPENDITURE ACCOUNT - RESOURCES AND APPLICATIONS			
a. RESOURCES			
(1) Unobligated Balance Start of Year	49,912	0	49,912
(2) Appropriations	0	0	0
(3) New Authorization to Spend Agency Debt Receipts	0	0	0
(4) Transfer To/From Other Account	250	0	250
(5) Revenue			
(a) Sales (Cash)	0	0	0
(b) Sales (Non-Cash)	0	0	0
(c) Other Revenue	0	0	0
(6) Less Retirement of Debt			
(a) Principal Payments on Mortgages	0	0	0
(b) Mortgage Transfers	0	0	0
(7) Recovery of Prior Year Obligations	0	0	0
(8) Total	50,163	0	50,163
b. APPLICATIONS			
(1) Payments on Acquisitions of Properties	0	0	0
(2) Value of Mortgages Payable Assumed	0	0	0
(3) Expenses	508	0	508
(4) Transfer of Miscellaneous Receipts	0	0	0
(5) Total	508	0	508
c. UNOBLIGATED BALANCE - END OF PERIOD			
	49,655	0	49,655

EXHIBIT HA-2

May 2021

**DEPARTMENT OF ARMY
Fiscal Year (FY) 2022 Budget Estimates
Homeowners Assistance Fund, Defense
STATUS OF ACCOUNTS - PART II
FY 2020 Budget Actual**

ITEM	TOTAL (\$000)	
1. PROPERTY ACCOUNT		
a. ON HAND, START OF YEAR		0
b. PAYMENTS FOR EQUITY AND MORTGAGES ON ACQUISITION OF PROPERTIES		0
c. VALUE OF MORTGAGES PAYABLE ASSUMED		0
d. LESS ACQUISITIONS PRICE OF PROPERTIES SOLD		0
e. ON HAND, END OF YEAR		0
2. BORROWING ACCOUNT (MORTGAGES PAYABLE)		
a. BALANCE PAYABLE, START OF YEAR		0
b. VALUE OF MORTGAGES PAYABLE ASSUMED		0
c. LESS PAYMENTS ON PRINCIPAL:		
(1) Monthly Payments		0
(2) Mortgage Prepayment (Buydowns)		0
d. LESS VALUE OF MORTGAGES TRANSFERRED		0
e. SUBTOTAL - RETIREMENT OF DEBT		0
f. BALANCE PAYABLE - END OF PERIOD		0
3. NET EQUITY IN PROPERTY		0
4. RECAPITULATION FOR PROPERTIES SOLD*	Total	Avg (\$)
a. SALES PRICE	0	0
b. LESS:		
(1) Acquisition Price	0	0
(2) M&D Expense	0	0
c. NET GAIN OR (LOSS)	0	0

*Excludes Acquisition Administrative Expense

EXHIBIT HA-2

May 2021

**DEPARTMENT OF ARMY
Fiscal Year (FY) 2022 Budget Estimates
Homeowners Assistance Fund, Defense
STATUS OF ACCOUNTS - PART I
FY 2021 Budget Enactment**

ITEM	CASH (\$000)	AUTHORITY TO SPEND AGENCY DEBT RECEIPT (\$000)	TOTAL (\$000)
1. EXPENDITURE ACCOUNT - RESOURCES AND APPLICATIONS			
a. RESOURCES			
(1) Unobligated Balance Start of Year	49,655	0	49,655
(2) Appropriations	0	0	0
(3) New Authorization to Spend Agency Debt Receipts	0	0	0
(4) Transfer To/From Other Account	0	0	0
(5) Revenue			
(a) Sales (Cash)	0	0	0
(b) Sales (Non-Cash)	0	0	0
(c) Other Revenue	0	0	0
(6) Less Retirement of Debt			
(a) Principal Payments on Mortgages	0	0	0
(b) Mortgage Transfers	0	0	0
(7) Recovery of Prior Year Obligations	0	0	0
(8) Total	49,655	0	49,655
b. APPLICATIONS			
(1) Payments on Acquisitions of Properties	0	0	0
(2) Value of Mortgages Payable Assumed	0	0	0
(3) Expenses	1,347	0	1,347
(4) Transfer of Miscellaneous Receipts	0	0	0
(5) Total	0	0	0
c. UNOBLIGATED BALANCE - END OF PERIOD	48,308	0	48,308

EXHIBIT HA-2

May 2021

**DEPARTMENT OF ARMY
Fiscal Year (FY) 2022 Budget Estimates
Homeowners Assistance Fund, Defense
STATUS OF ACCOUNTS - PART II
FY 2021 Budget Enactment**

ITEM		TOTAL (\$000)	
1. PROPERTY ACCOUNT			
a. ON HAND, START OF YEAR		0	
b. PAYMENTS FOR EQUITY AND MORTGAGES ON ACQUISITION OF PROPERTIES		0	
c. VALUE OF MORTGAGES PAYABLE ASSUMED		0	
d. LESS ACQUISITIONS PRICE OF PROPERTIES SOLD		0	
e. ON HAND, END OF YEAR		0	
2. BORROWING ACCOUNT (MORTGAGES PAYABLE)			
a. BALANCE PAYABLE, START OF YEAR		0	
b. VALUE OF MORTGAGES PAYABLE ASSUMED		0	
c. LESS PAYMENTS ON PRINCIPAL:			
(1) Monthly Payments		0	
(2) Mortgage Prepayment (Buydowns)		0	
d. LESS VALUE OF MORTGAGES TRANSFERRED		0	
e. SUBTOTAL - RETIREMENT OF DEBT		0	
f. BALANCE PAYABLE - END OF PERIOD		0	
3. NET EQUITY IN PROPERTY			0
4. RECAPITULATION FOR PROPERTIES SOLD*	Total		Avg (\$)
a. SALES PRICE		0	0
b. LESS:			
(1) Acquisition Price		0	0
(2) M&D Expense		0	0
c. NET GAIN OR (LOSS)		0	0

*Excludes Acquisition Administrative Expense

EXHIBIT HA-2

May 2021

DEPARTMENT OF ARMY
Fiscal Year (FY) 2022 Budget Estimates
Homeowners Assistance Fund, Defense
STATUS OF ACCOUNTS - PART I
FY 2022 Budget Request

ITEM	CASH (\$000)	AUTHORITY TO SPEND AGENCY DEBT RECEIPT (\$000)	TOTAL (\$000)
1. EXPENDITURE ACCOUNT - RESOURCES AND APPLICATIONS			
a. RESOURCES			
(1) Unobligated Balance Start of Year	48,308	0	48,308
(2) Appropriations	0	0	0
(3) New Authorization to Spend Agency Debt Receipts	0	0	0
(4) Transfer To/From Other Account	0	0	0
(5) Revenue			
(a) Sales (Cash)	0	0	0
(b) Sales (Non-Cash)	0	0	0
(c) Other Revenue	0	0	0
(6) Less Retirement of Debt			
(a) Principal Payments on Mortgages	0	0	0
(b) Mortgage Transfers	0	0	0
(7) Recovery of Prior Year Obligations	0	0	0
(8) Total	48,308	0	48,308
b. APPLICATIONS			
(1) Payments on Acquisitions of Properties	0	0	0
(2) Value of Mortgages Payable Assumed	0	0	0
(3) Expenses	1,374	0	1,374
(4) Transfer of Miscellaneous Receipts	0	0	0
(5) Total	1,374	0	1,374
c. UNOBLIGATED BALANCE - END OF PERIOD			
	46,934	0	46,934

EXHIBIT HA-2

May 2021

**DEPARTMENT OF ARMY
Fiscal Year (FY) 2022 Budget Estimates
Homeowners Assistance Fund, Defense
STATUS OF ACCOUNTS - PART II
FY 2022 Budget Request**

ITEM	TOTAL (\$000)	
1. PROPERTY ACCOUNT		
a. ON HAND, START OF YEAR		0
b. PAYMENTS FOR EQUITY AND MORTGAGES ON ACQUISITION OF PROPERTIES		0
c. VALUE OF MORTGAGES PAYABLE ASSUMED		0
d. LESS ACQUISITIONS PRICE OF PROPERTIES SOLD		0
e. ON HAND, END OF YEAR		0
2. BORROWING ACCOUNT (MORTGAGES PAYABLE)		
a. BALANCE PAYABLE, START OF YEAR		0
b. VALUE OF MORTGAGES PAYABLE ASSUMED		0
c. LESS PAYMENTS ON PRINCIPAL:		
(1) Monthly Payments		0
(2) Mortgage Prepayment (Buydowns)		0
d. LESS VALUE OF MORTGAGES TRANSFERRED		0
e. SUBTOTAL - RETIREMENT OF DEBT		0
f. BALANCE PAYABLE - END OF PERIOD		0
3. NET EQUITY IN PROPERTY		0
4. RECAPITULATION FOR PROPERTIES SOLD*	Total	Avg (\$)
a. SALES PRICE	0	0
b. LESS:		
(1) Acquisition Price	0	0
(2) M&D Expense	0	0
c. NET GAIN OR (LOSS)	0	0

*Excludes Acquisition Administrative Expense

EXHIBIT HA-2

May 2021

DEPARTMENT OF ARMY
Fiscal Year (FY) 2022 Budget Estimates
Homeowners Assistance Fund, Defense
WORK UNIT DATA
FY 2020 Budget Actual

ITEM	MILITARY	CIVILIAN	NAF	TOTAL
1. APPLICATIONS FOR ASSISTANCE				
a. ON HAND - START OF YEAR	0	0	0	0
b. RECEIVED	4	0	0	4
c. LESS ACTIONS COMPLETED:				
(1) Homes Acquired - for outstanding mortgages balance	0	0	0	0
(2) Homes Acquired - at 75%	0	0	0	0
(3) Homes Acquired - no mortgage	0	0	0	0
(4) Reimbursement for losses on private sales	2	0	0	2
(5) Reimbursement for losses on real property	0	0	0	0
(6) Payments in foreclosure cases	0	0	0	0
(7) Settlements - no payment due	0	0	0	0
(8) Other (Not Eligible or Application Withdrawn)	0	0	0	0
d. ON HAND - END OF PERIOD	2	0	0	2
2. ACQUIRED HOMES				
a. ON HAND - START OF YEAR				0
b. ACQUIRED				0
c. DISPOSED OF				0
d. ON HAND - END OF PERIOD				0
3. MORTGAGES PAYABLE				
a. ON HAND - START OF YEAR				0
b. ASSUMED				0
c. LESS LIQUIDATED				0
d. ON HAND - END OF PERIOD				0
4. OTHER DATA				
a. SECOND MORTGAGES LIQUIDATED				0
b. APPRAISALS MADE				0
c. APPEALS PROCESSED:				
(1) Approved				0
(2) Disapproved				2
(3) Pending				26

EXHIBIT HA-3

May 2021

DEPARTMENT OF ARMY
Fiscal Year (FY) 2022 Budget Estimates
Homeowners Assistance Fund, Defense
WORK UNIT DATA
FY 2021 Budget Enactment

ITEM	MILITARY	CIVILIAN	NAF	TOTAL
1. APPLICATIONS FOR ASSISTANCE				
a. ON HAND - START OF YEAR	2	0	0	2
b. RECEIVED	5	0	0	5
c. LESS ACTIONS COMPLETED:				
(1) Homes Acquired - for outstanding mortgages balance	0	0	0	0
(2) Homes Acquired - at 75%	0	0	0	0
(3) Homes Acquired - no mortgage	0	0	0	0
(4) Reimbursement for losses on private sales	5	0	0	5
(5) Reimbursement for losses on real property	0	0	0	0
(6) Payments in foreclosure cases	0	0	0	0
(7) Settlements - no payment due	0	0	0	0
(8) Other (Not Eligible or Application Withdrawn)	1	0	0	1
d. ON HAND - END OF PERIOD	1	0	0	1
2. ACQUIRED HOMES				
a. ON HAND - START OF YEAR				0
b. ACQUIRED				0
c. DISPOSED OF				0
d. ON HAND - END OF PERIOD				0
3. MORTGAGES PAYABLE				
a. ON HAND - START OF YEAR				0
b. ASSUMED				0
c. LESS LIQUIDATED				0
d. ON HAND - END OF PERIOD				0
4. OTHER DATA				
a. SECOND MORTGAGES LIQUIDATED				0
b. APPRAISALS MADE				0
c. APPEALS PROCESSED:				
(1) Approved				1
(2) Disapproved				25
(3) Pending				0

EXHIBIT HA-3

May 2021

DEPARTMENT OF ARMY
Fiscal Year (FY) 2022 Budget Estimates
Homeowners Assistance Fund, Defense
WORK UNIT DATA
FY 2022 Budget Request

ITEM	MILITARY	CIVILIAN	NAF	TOTAL
1. APPLICATIONS FOR ASSISTANCE				
a. ON HAND - START OF YEAR	1	0	0	1
b. RECEIVED	6	0	0	6
c. LESS ACTIONS COMPLETED:				
(1) Homes Acquired - for outstanding mortgages balance	0	0	0	0
(2) Homes Acquired - at 75%	0	0	0	0
(3) Homes Acquired - no mortgage	0	0	0	0
(4) Reimbursement for losses on private sales	4	0	0	4
(5) Reimbursement for losses on real property	0	0	0	0
(6) Payments in foreclosure cases	0	0	0	0
(7) Settlements - no payment due	0	0	0	0
(8) Other (Not Eligible or Application Withdrawn)	3	0	0	3
d. ON HAND - END OF PERIOD	0	0	0	0
2. ACQUIRED HOMES				
a. ON HAND - START OF YEAR				0
b. ACQUIRED				0
c. DISPOSED OF				0
d. ON HAND - END OF PERIOD				0
3. MORTGAGES PAYABLE				
a. ON HAND - START OF YEAR				0
b. ASSUMED				0
c. LESS LIQUIDATED				0
d. ON HAND - END OF PERIOD				0
4. OTHER DATA				
a. SECOND MORTGAGES LIQUIDATED				0
b. APPRAISALS MADE				0
c. APPEALS PROCESSED:				
(1) Approved				1
(2) Disapproved				1
(3) Pending				0

EXHIBIT HA-3

May 2021

**DEPARTMENT OF ARMY
Fiscal Year (FY) 2022 Budget Estimates
Homeowners Assistance Fund, Defense
PROGRAM AND FINANCING
FY 2022**

	Actual FY 2020		Budget Enactment FY 2021		Budget Request FY 2022	
	Units	Obligations (000)	Units	Obligations (000)	Units	Obligations (000)
PAYMENTS TO HOMEOWNERS	2	170	7	355	7	355
OTHER OPERATING COSTS	0	339	0	2,368	0	2,227
ACQUISITION OF PROPERTIES	0	0	0	0	0	0
MORTGAGES ASSUMED	0	0	0	0	0	0
TOTAL PROGRAM		509		2,723		2,582
AVAILABLE FROM PRIOR YEAR		49,912		49,655		46,932
UNOBLIGATED BALANCES TRANSFERRED - OUT		0		0		0
ESTIMATED EARNED REVENUE		250		0		0
RETIREMENT OF DEBT		0		0		0
RECOVERY OF PRIOR YEAR OBLIGATIONS		0		0		0
AVAILABLE FOR OTHER YEARS		49,655		46,932		44,350
BUDGET AUTHORITY		0		0		0
AUTHORIZATION TO SPEND AGENCY DEBT RECEIPTS		0		0		0
APPROPRIATION		0		0		0
TRANSFER TO/FROM OTHER ACCOUNT	0	0	0	0	0	0
APPROPRIATION ADJUSTED	0	0	0	0	0	0

EXHIBIT HA-4

May 2021

DEPARTMENT OF ARMY
Fiscal Year (FY) 2022 Budget Estimates
Homeowners Assistance Fund, Defense

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