Department of Defense

Fiscal Year (FY) 2022 Budget Estimates

Military Construction

Family Housing

Defense-Wide

Justification Data Submitted to Congress

May 2021

FY 2022 Budget Estimates
Military Construction, Defense-Wide
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Preparation of the Defense-Wide budget, excluding revolving funds, cost the Department of Defense a total of approximately $1,150,000 in FY 2021.

FY 2022 Base Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
California				
Defense Health Agency				
Camp Pendleton				
Veterinary Treatment Facility Replacement	13,600	13,600	C	4
U.S. Special Operations Command				
Coronado				
SOF ATC Operations Support Facility	21,700	21,700	C	96
SOF NSWG11 Operations Support Facility	12,000	12,000	C	99
Colorado				
National Security Agency				
Buckely Air Force Base				
JCC Expansion	20,000	20,000	C	89
Georgia				
U. S. Special Operations Command				
Fort Benning				
SOF Battalion Headquarters Facility	62,000	62,000	C	103
Hawaii				
Defense Health Agency				
Joint Base Pearl Harbor-Hickam				
Veterinary Treatment Facility Replacement	29,800	29,800	C	8
Maryland				
Defense Health Agency				
Naval Support Activity Bethesda				
Medical Center Addition/Alteration Increment 5	-	153,233	C	12
National Security Agency				
Fort Meade				
NSAW Mission Ops and Records Center Increment 1	299,000	94,000	C	84
NSAW Recapitalization Building #4 Increment 1	802,000	104,100	C	80
U.S. Special Operations Command				
Fort Meade				
SOF Operations Facility	100,000	100,000	C	107

FY 2022 Base Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
Missouri				
Defense Health Agency				
Fort Leonard Wood				
Hospital Replacement Increment 4	-	160,000	C	19
New Mexico				
Defense Health Agency				
Kirtland Air Force Base				
Environmental Health Facility Replacement	8,600	8,600	C	26
Texas				
Defense Health Agency				
Joint Base San Antonio				
Ambulatory Care Center Phase 4*	-	35,000	C	30
Virginia				
Defense Health Agency				
Fort Belvoir				
Veterinary Treatment Facility Replacement	29,800	29,800	C	34
Washington Headquarters Services				
Pentagon (Raven Rock)				
Consolidated Maintenance Complex	20,000	20,000	C	122
Force Protection Perimeter Enhancements	8,608	8,608	C	125
Public Works Support Facility	21,935	21,935	C	127
Washington				
Defense Health Agency				
Oak Harbor				
Ambulatory Care Center/Dental Clinic Replacement	59,000	59,000	C	38
Belgium				
DoD Education Activity				
Chievres Air Base				
Europe West District Superintendent's Office	-	15,000	C	68

FY 2022 Base Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
Germany				
DoD Education Activity				
Ramstein Air Base				
Ramstein Middle School	93,000	93,000	C	72
Japan				
Defense Logistics Agency				
Iwakuni				
Fuel Pier	-	57,700	C	58
Kadena Air Base				
Operations Support Facility	24,000	24,000	C	50
Truck Unload Facilities	-	22,300	C	47
Misawa Air Base				
Additive Injection Pump and Storage System	6,000	6,000	C	54
U.S. Special Operations Command				
Yokota Air Base				
Hangar/AMU	-	108,253	C	114
Puerto Rico				
DoD Education Activity				
Punta Borinquen				
Ramey Unit School Replacement	-	84,000	C	63
United Kingdom				
Defense Health Agency				
RAF Lakenheath				
Hospital Replacement – Temporary Facilities	19,283	19,283	C	42
National Security Agency				
Menwith Hill Station				
RAFMH Main Gate Rehabilitation	-	20,000	C	92

FY 2022 Base Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
Defense Level Activities/Worldwide Unspecified				
Energy Resilience and Conservation Investment Program	246,600	246,600	C	130
Unspecified Minor Construction			C	133
Defense Logistics Agency	-	6,668		
DoD Education Activity	-	8,000		
Missile Defense Agency	-	4,435		
National Security Agency	-	12,000		
U.S. Special Operations Command	-	21,746		
Joint Chiefs of Staff	-	5,615		
Defense Level Activities	-	3,000		
Total Minor Construction	**-**	**61,464**		
Planning and Design			C	134
Defense Health Agency	-	35,099		
Defense Intelligence Agency	-	11,000		
Defense Logistics Agency	-	20,862		
DoD Education Activity	-	13,317		
National Security Agency	-	83,840		
U.S. Special Operations Command	-	20,576		
Joint Chiefs of Staff	-	2,000		
Washington Headquarters Services	-	5,275		
Defense Level Activities	-	14,194		
ERCIP Design	-	40,150		
Total Planning and Design	**-**	**246,313**		
Total Military Construction, Defense-Wide	**1,896,926**	**1,957,289**		

Cost to complete - FY 16 project

FY 2022 BASE BUDGET ESTIMATES
Military Construction, Defense-Wide

(Including Transfer of Funds)

For acquisition, construction, installation, and equipment of temporary or permanent public works, installations, facilities, and real property for activities and agencies of the Department of Defense (other than the military departments), as currently authorized by law, $1,957,289,000 to remain available until September 30, 2026: *Provided,* That such amounts of this appropriation as may be determined by the Secretary of Defense available for military construction or family housing as he may designate, to be merged with and to be available for the same purposes, and for the same time period, as the appropriation or fund to which transferred: *Provided further*, That of the amount appropriated, not to exceed $246,313,000 shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reason therefore.

FY 2022 Budget Estimates
Military Construction, Defense-Wide
Special Program Considerations

POLLUTION ABATEMENT

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installation have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

ENERGY RESILIENCE AND CONSERVATION

DOD represents three-fourths of federal energy use. Energy Resilience and Conservation Investment Program (ERCIP) projects improve the energy resilience and energy and water efficiency at DOD installations, and consistently produce average savings of more than two dollars for every dollar invested. The ERCIP is a well-managed program with clear, realistic and attainable goals.

This program is funded at $246.6 million in FY 2022. The Administration will ensure that the program produces high returns on this investment and develops new performance metrics.

In general, the ERCIP program funds projects that would not necessarily be candidates for other types of funding, like O&M or third-party financing. In addition, in order to support the Department's strategic energy goals, the ERCIP uses several project selection criteria, including:

- **Impact to energy resilience improvement and its contribution to mission assurance at an installation;**
- **Service priority;**
- **Integration of distributed generation or storage to improve energy resilience;**
- **Inclusion in installation, region, department or component energy plan;**
- **Savings-to-Investment Ratio (SIR) and Simple Payback;**
- **Impact to the energy consumption at an individual installation;**
- **Implementation of technologies validated in a test bed demonstration program;**

The ERCIP funds projects that save energy which in turns reduces greenhouse gas emissions, reduce DOD's energy costs, improve energy resilience and contribute to mission assurance. In addition, DOD is focusing on the security implications of climate change. Through the ERCIP, DOD is pursuing ways to assist with rapidly lower global carbon emissions, while also enhancing resilience to climate change. The program supports construction of new, high-efficiency energy systems and the improvement and modernization of existing systems to include clean and renewable energy technologies. Projects are designed to provide maximum energy benefit to

the installation through minimizing energy consumption and improving energy resilience.

FLOODPLAIN MANAGEMENT AND WETLANDS PROTECTION

Proposed land acquisitions, disposals, and installation construction projects have been planned to allow the proper management of flood plains and the protection of wetlands by avoiding long-and short-term adverse impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988, Floodplain Management, and 11990, Protection of Wetlands, and the Floodplain Management Guidelines of the U.S. Water Resources Council. Projects have been sited to avoid or reduce the risk of flood loss, minimize the impact of floods on human safety, health and welfare, preserve and enhance the natural and beneficial values of wetlands and minimize the destruction, loss or degradation of wetlands.

DESIGN FOR ACCESSIBILITY OF PHYSICALLY HANDICAPPED PERSONNEL

In accordance with Public Law 90480 and the Americans with Disabilities Act Accessibility Guidelines, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

PLANNING IN THE NATIONAL CAPITAL REGION

Projects located in the National Capital Region are submitted to the National Capital Planning Commission for budgetary review and comment as part of the Commission's annual review of the Future Years Defense Plan (FYDP). Construction projects within the District of Columbia with the exception of the Bolling/Anacostia area are submitted to the commission for approval prior to the start of construction.

ENVIRONMENTAL PROTECTION

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

FY 2022 Base Budget Estimates
Military Construction, Defense-Wide
Agency Summary
($000)

	Authorization	Appropriations
Defense Health Agency	**160,083**	**508,316**
Defense Logistics Agency	**30,000**	**110,000**
DoD Dependents Education Activity	**93,000**	**192,000**
National Security Agency	**1,121,000**	**238,100**
U.S. Special Operations Command	**195,700**	**303,953**
Washington Headquarters Services	**50,543**	**50,543**
Energy Resilience and Conservation Invest Prog	**246,600**	**246,600**
Minor Construction	**-**	**61,464**
Planning and Design	**-**	**246,313**
TOTAL	**1,896,926**	**1,957,289**

Defense Health Agency
FY 2022 Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
California				
Camp Pendleton				
Veterinary Treatment Facility Replacement	13,600	13,600	C	4
Hawaii				
Joint Base Pearl Harbor-Hickam				
Veterinary Treatment Facility Replacement	29,800	29,800	C	8
Maryland				
Naval Support Activity Bethesda				
Medical Center Addition/ Alteration, Increment 5	-	153,233	C	12
Missouri				
Fort Leonard Wood				
Hospital Replacement, Increment 4	-	160,000	C	19
New Mexico				
Kirtland Air Force Base				
Environmental Health Facility Replacement	8,600	8,600	C	26
Texas				
Joint Base San Antonio				
Ambulatory Care Center Phase 4*	-	35,000	C	30
Virginia				
Fort Belvoir				
Veterinary Treatment Facility Replacement	29,800	29,800	C	34

Defense Health Agency
FY 2022 Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
Washington				
Oak Harbor				
Ambulatory Care Center/Dental Clinic Replacement	59,000	59,000	C	38
United Kingdom				
RAF Lakenheath				
Hospital Replacement-Temporary Facilities	19,283	19,283	C	42
Total	**160,083**	**508,316**		

Cost to complete

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEF (DHA)		MAY 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
Marine Corps Base Camp Pendleton, California	Commandant of the Marine Corps	1.08

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20191031	3,778	35,473	3,848	1,081	34,713	36	0	0	50,475	129,404
b. END FY 2023	3,931	36,869	3,848	1,052	35,088	36	0	0	50,475	131,299

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	125,409.00
b. INVENTORY TOTAL AS OF YYYMMDD	169,779.00
c. AUTHORIZATION NOT YET IN INVENTORY	44,100.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	13,600.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	0.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	227,479.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
53040	Veterinary Treatment Facility Replacement	13,396 SF	13,600	JUN 2020	SEP 2021

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

MCB Camp Pendleton supports the combat readiness of 1st Marine Expeditionary Force units by providing training, logistic, garrison, mobilization and deployment support and a wide range of quality of life services including housing, safety and security, medical and dental care, family services, off-duty education and recreation. The base conducts specialized schools and other training and receives and processes students in order to conduct field training in basic combat skills. MCB Pendleton promotes the combat readiness of the Operating Forces and supports the mission of other tenant commands.
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11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

1. Component DEF (DHA)	FY 2022 MILITARY CONSTRUCTION PROJECT DATA			2. Date MAY 2021
3. Installation and Location/UIC: Marine Corps Base Camp Pendleton, California		4. Project Title: Veterinary Treatment Facility Replacement		
5. Program Element 87717DHA	6. Category Code 53040	7. Project Number 91983	8. Project Cost ($000) 13,600	

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				10,070
Veterinary Facility Replacement - CATCODE 53040	SF	13,396	698	(9,350)
SDD, EPAct, Renewable Energy	LS	--	--	(240)
Emergency Generator	LS	--	--	(260)
Cyber Security Measures	LS	--	--	(220)
SUPPORTING FACILITIES				2,184
Electrical Service	LS	--	--	(157)
Water, Sewer, Gas	LS	--	--	(240)
Parking/Paving, Walks, Curbs and Gutters	LS	--	--	(220)
Storm Drainage	LS	--	--	(110)
Site Imp (430) Demo (0)	LS	--	--	(430)
Information Systems	LS	--	--	(190)
Antiterrorism/Force Protection	LS	--	--	(160)
Special Foundations	LS	--	--	(130)
EISA 2007 Section 438 (Low Impact Development)	LS	--	--	(315)
Other (O&M Manuals, CID, PCAS, Enhanced Commissioning)	LS	--	--	(232)
ESTIMATED CONTRACT COST				12,254
CONTINGENCY PERCENT (5.00%)				613
SUBTOTAL				12,867
SUPERVISION, INSPECTION & OVERHEAD (5.70%)				733
TOTAL REQUEST				13,600
TOTAL REQUEST				13,600
INSTALLED EQT-OTHER APPROPRIATIONS				(1,950)

10. Description of Proposed Construction:
Construct a replacement Veterinary and Food Inspection Facility supporting Military Working Dogs (MWD), Privately Owned Animals (POA), and to provide food safety/defense to Camp Pendleton. Supporting facilities include utilities, site improvements, parking, signage, antiterrorism force protection measures, and environmental protection measures. The project will be designed in accordance with American Animal Hospital Association Guidelines, Unified Facilities Criteria (UFC) 4-510-01 Design: Military Medical Facilities, UFC 4-010-06 Cybersecurity of Facility-Related Control System, UFC 1-200-01 General Building Requirements, UFC 1-200-02 High Performance and Sustainable Building Requirements, UFC 4-010-01 DoD Minimum Antiterrorism Standards for Buildings, barrier free design in accordance with Architectural Barriers Act (ABA) Accessibility Standard and DEPSECDEF Memorandum "Access for People with Disabilities" dated 10/31/2008, and MHS World Class principles per World Class Checklist Requirements. Operations and Maintenance Manuals, Enhanced Commissioning and Comprehensive Interior Design will be provided.

11. REQ: 13,396 SF ADQT: 0 SF SUBSTD: 2,560 SF

PROJECT:
Construct a replacement Veterinary and Food Inspection Facility for prevention of zoonotic disease and food defense, diagnostic, and surgical care for MWD, and other POAs. (CURRENT MISSION)

1. Component DEF (DHA)	FY 2022 MILITARY CONSTRUCTION PROJECT DATA		2. Date MAY 2021
3. Installation and Location/UIC: Marine Corps Base Camp Pendleton, California		4. Project Title: Veterinary Treatment Facility Replacement	
5. Program Element: 87717DHA	6. Category Code: 53040	7. Project Number: 91983	8. Project Cost ($000): 13,600

REQUIREMENT:
The new facility is required to provide effective military working dog / privately owned animal care and food defense and safety functions to Camp Pendleton, Marine Corps Forces Special Operations Command, Provost Marshal's Office, Transportation and Security Administration, and Homeland Security. It supports the associated increased facility demands on core mission services; providing full service preventive, diagnostic, surgical and dental care to MWD, food service inspection spaces, and preventive and diagnostic services to POA of service members on the installation. POA care is required to maintain the clinical currency of the assigned military veterinarians as well as vital public health services that prevent both animal and human contact with zoonotic diseases.

CURRENT SITUATION
The current facilities, purpose-built as a strip mall storefront (animal care) and logistics warehouse (food-inspection) do not meet minimum veterinary and food defense standards established by the Department's Public Health Center. The existing clinic structures cannot be economically repaired or expanded in the current footprint. Besides functional constraints resulting from the physical layout, the clinic's HVAC systems do not provide sufficient waste anesthetic gas removal capabilities, resulting in a temporary work-around of piping gas through a back window resulting in the inability of DoD veterinarians to perform all required surgical procedures on MWDs in this facility. The dis-jointed facilities are approximately one-half the size specified by DoD medical space planning criteria to provide care to the GOA population and perform the food inspection program effecting the entire AD population on the base.

IMPACT IF NOT PROVIDED:
Veterinary service and food inspection activities at Camp Pendleton will continue to operate inefficiently with continued medical readiness degradation. Mission execution will be curtailed or will not be fully realized, owing to substandard and inadequately sized facilities. Timely access to care, lost duty time of MWDs, and increased operating costs will remain as urgent care and surgical procedures continue to be referred the civilian veterinary network.

ADDITIONAL:
This submission is supported by an economic analysis. The site is not within a 100 year flood plain.

JOINT USE CERTIFICATION:
The Director, Defense Health Agency, Facilities Division has reviewed this project for joint use potential. Joint use construction is recommended.

12. Supplemental Data:
A. Estimated Execution Data

(1) Acquisition Strategy:	Design Bid Build
(2) Design Data	
(a) Design Started:	JUN/2020
(b) Percent of Design Completed as of Jan 2021:	35%
(c) Design Complete:	SEP/2021
(d) Total Design Cost ($000):	1,400
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used:	No

1. Component DEF (DHA)	FY 2022 MILITARY CONSTRUCTION PROJECT DATA		2. Date MAY 2021
3. Installation and Location/UIC: Marine Corps Base Camp Pendleton, California		4. Project Title: Veterinary Treatment Facility Replacement	
5. Program Element: 87717DHA	6. Category Code: 53040	7. Project Number: 91983	8. Project Cost ($000): 13,600

. Supplemental Data (Continued):

(3) Construction Data:

(a) Contract Award:	MAY/2022
(b) Construction Start:	JUL/2022
(c) Construction Complete:	FEB/2024
(4) Facility Condition Index	60

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Expense	OM	Future Request	1,747
Investment	OP	Future Request	203

Chief, Design, Construction & Activation Office
Phone Number: 703-275-6077

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEF (DHA)		MAY 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
Joint Base Pearl Harbor-Hickam Hawaii	Commander Navy Installation Command	2.37

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20191031	635	3,746	0	0	0	0	0	0	0	4,381
b. END FY 2025	635	3,746	0	0	0	0	0	0	0	4,381

7. INVENTORY DATA *($000)*	
a. TOTAL ACREAGE (acre)	5,762.00
b. INVENTORY TOTAL AS OF YYYMMDD	0.00
c. AUTHORIZATION NOT YET IN INVENTORY	0.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	29,800.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	0.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	29,800.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
53040	Veterinary Treatment Facility Replacement	12,367 SF	29,800	JUN 2018	APR 2021

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

Provides berthing and shore side support to surface ships, submarines, as well base operating support to tenant commands enabling their operational mission success while simultaneously providing the highest quality installation services, facilities support and quality of life programs.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

.1. Component DEF (DHA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021

3. Installation and Location/UIC:	4. Project Title:
Joint Base Pearl Harbor-Hickam, Hawaii	Veterinary Treatment Facility Replacement

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	53040	92005	29,800

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				15,690
Working Dog Treatment Facility - CATCODE 53045	SF	12,367	1,221	(15,100)
Standby/Emergency Generator	LS	--	--	(430)
SDD, EPACT, Renewable Energy	LS	--	--	(465)
Cyber Security Measures	LS	--	--	(160)
SUPPORTING FACILITIES				10,569
Electric Service	LS	--	--	(2,460)
Water, Sewer, Gas	LS	--	--	(2,096)
Parking/Paving, Walks, Curbs and Gutters	LS	--	--	(3,009)
Storm Drainage	LS	--	--	(864)
Site Imp (1,080) Demo (0)	LS	--	--	(1,080)
Information Systems	LS	--	--	(140)
Antiterrorism/Force Protection	LS	--	--	(60)
EISA 2007 Section 438 (Low Impact Development)	LS	--	--	(200)
Other (O&M Manuals, CID, PCAS, and Commissioning)	LS	--	--	(660)
ESTIMATED CONTRACT COST				26,724
CONTINGENCY PERCENT (5.00%)				1,336
SUBTOTAL				28,068
SUPERVISION, INSPECTION & OVERHEAD (6.20%)				1,740
TOTAL REQUEST				29,800
INSTALLED EQT-OTHER APPROPRIATIONS				(13,064)

10. Description of Proposed Construction:
Construct a replacement Veterinary Treatment Facility supporting military working dogs and food inspections. Supporting facilities include utilities, site improvements, parking, signage, antiterrorism/force protection measures, and environmental mitigation measures. The existing facility will be returned to the installation. The project will be designed in accordance with American Animal Hospital Association Guidelines, Unified Facilities Criteria (UFC) 4-510-01 Design: Military Medical Facilities, UFC 1-200-01 General Building Requirements, UFC 1-200-02 High Performance and Sustainable Building Requirements, UFC 4-010-01 DoD Minimum Antiterrorism Standards for Buildings, UFC 4-010-06 Cybersecurity of Facility-Related Control Systems, barrier free design in accordance with Architectural Barriers Act (ABA) Accessibility Standard and DEPSECDEF Memorandum "Access for People with Disabilities" dated 10/31/2008, and MHS World Class principles per World Class Checklist Requirements. Operations and Maintenance Manuals, Comprehensive Interior Design, Post Construction Award Services, and Commissioning will be provided.

11. REQ: 12,367 SF ADQT: 0 SF SUBSTD: 4,229 SF

PROJECT:
Construct a replacement Veterinary Treatment Facility for the prevention of zoonotic disease, preventive, diagnostic, and dental and surgical care for Military Working Dogs (MWD), and other Government Owned Animals (GOA). (CURRENT MISSION)

.1. Component DEF (DHA)	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. Date MAY 2021
3. Installation and Location/UIC: Joint Base Pearl Harbor-Hickam, Hawaii	4. Project Title: Veterinary Treatment Facility Replacement	

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	53040	92005	29,800

REQUIREMENT:
The new facility is required to provide effective Military Working Dog / Government Owned Animal care and food defense and safety functions to Joint Base Pearl Harbor-Hickam (JBPHH). JPBHH is a strategic force projection platform for the Navy and Air Force, and includes over 160 separate commands. The facility will provide full service preventive, diagnostic, surgical and dental care to Government-Owned Animals, food inspection spaces, and preventive and diagnostic services to the privately-owned animals (POA) of service members on the installation. POA care is required to maintain the clinical currency of the assigned veterinarians.

CURRENT SITUATION:
The current facility, built in 1945, is a deteriorating wood-framed World War II era building that does not meet minimum veterinary and food defense standards established by the Department's Public Health Center. The existing clinic structure is deteriorating from termite damage, and can't be economically repaired. Besides functional constraints resulting from the physical layout, the clinic's HVAC systems do not provide sufficient waste anesthetic gas (WAG) removal capabilities, resulting in a failed WAG test, and the inability of DoD veterinarians to perform surgical procedures on MWDs in this facility. The Veterinary Treatment Facility is one of multiple occupants of this building, the installation would be responsible for disposition of the building. The facility is approximately one-quarter the size specified by DoD medical space planning criteria to provide care to the GOA population and food inspection support to the JBPHH population. This project is not sited in a 100-year floodplain.

IMPACT IF NOT PROVIDED:
The safety to veterinary staff and GOAs will remain at risk due to the cramped and unsafe work environment resulting from building system inadequacy, and termite-based structural damage. Timely access to care, lost duty time of MWDs, and increased costs will remain as urgent care and all surgical procedures continue to be referred to the civilian veterinary network.

ADDITIONAL:
This submission is supported by an economic analysis. The site is not within a 100 year flood plain.

JOINT USE CERTIFICATION:
The Chief, Defense Health Agency, Facilities Enterprise has reviewed this project for joint use potential. Joint use construction is recommended.

12. Supplemental Data:

A. Estimated Execution Data

(1) Acquisition Strategy:	Design Bid Build
(2) Design Data:	
(a) Design Started:	JUN/2018
(b) Percent of Design Completed as of Jan/2021:	65%
(c) Design Complete:	APR/2021
(d) Total Design Cost ($000):	2,774
(e) Energy Studies and/or Life Cycle Analysis Performed:	Yes
(f) Standard or definitive design used:	No
(3) Construction Data:	

.1. Component DEF (DHA)	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. Date MAY 2021
3. Installation and Location/UIC: Joint Base Pearl Harbor-Hickam, Hawaii	4. Project Title: Veterinary Treatment Facility Replacement	

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	53040	92005	29,800

Supplemental Date (Continued):

(a) Contract Award:	FEB/2022
(b) Construction Start:	MAR/2022
(c) Construction Complete:	JAN/2024
(4) Facility Condition Index:	71

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Expense	OM	2022	802
Investment	OP	Future Request	273
Expense	OM	Future Request	10,428

Chief, Design, Construction & Activation Office:
Phone Number: 703-275-6077

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEF (DHA)		MAY 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
NAVSUPPACT Bethesda, Maryland	Commander Navy Installation Command	1.02

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20180930	2,512	1,617	234	0	0	0	56	36	0	4,455
b. END FY 2025	2,516	1,108	234	0	0	0	56	36	0	3,950

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	243.00
b. INVENTORY TOTAL AS OF 20190930	2,607,916.00
c. AUTHORIZATION NOT YET IN INVENTORY	695,000.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	0.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	254,967.00
g. REMAINING DEFICIENCY	47,046.00
h. GRAND TOTAL	3,604,929.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
51010	MEDCEN Addition / Alteration Incr 5	LS	153,233	FEB/ 2013	AUG 2017

9. FUTURE PROJECTS

51010	Medical Center Addition / Alteration	LS	254,967	FEB 2013	AUG 2017

10. MISSION OR MAJOR FUNCTIONS

Provides customer-focused installation management and base operating support to tenant activities in their pursuit of excellence. Partner in healing, wellness, research and education.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

DD FORM 1390, JUL 1999

1. Component DEF (DHA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021

3. Installation and Location:	4. Project Title:
Naval Support Activity Bethesda, Maryland	Medical Center Addition / Alteration, Increment 5

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	51010	95983	Approp 153,233

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				492,214
Medical Center Addition - CATCODE 51010	SF	589,928	715.44	(422,059)
Medical Center Alteration - CATCODE 51010	SF	124,050	565.54	(70,155)
SUPPORTING FACILITIES				133,997
Electric Service	LS	--	--	(6,255)
Water, Sewer, Gas	LS	--	--	(5,440)
Steam and Chilled Water Distribution	LS	--	--	(3,865)
Paving, Walks, Curbs and Gutters	LS	--	--	(14,168)
Storm Drainage	LS	--	--	(5,289)
Site Imp (18,190) Demo (11,104)	LS	--	--	(29,294)
Information Systems	LS	--	--	(5,376)
Antiterrorism/Force Protection	LS	--	--	(5,376)
Construction Phasing	LS	--	--	(13,443)
Special Foundation	LS	--	--	(15,035)
EISA 2007 Section 438 (Low Impact Development)	LS	--	--	(3,031)
Other (O&M Manuals, Post Construction Award Services, Enhanced Commissioning) and Below Grade Coordination	LS	--	--	(27,425)
ESTIMATED CONTRACT COST				626,211
CONTINGENCY PERCENT (5.00%)				31,311
SUBTOTAL				657,522
SUPERVISION, INSPECTION & OVERHEAD (5.70%)				37,479
TOTAL REQUEST				695,001
TOTAL REQUEST (ROUNDED)				695,000
PREVIOUS APPROPRIATIONS				286,800
FUTURE APPROPRIATION REQUEST				254,967
CURRENT APPROPRIATION REQUEST (ROUNDED)				153,233
INSTALLED EQT-OTHER APPROPRIATIONS				(137,954)

10. Description of Proposed Construction:

This is the fifth increment of the NAVSUPPACT Bethesda MD, Medical Center Addition/Alteration (MCAA). The project will construct a new addition for in-patient and out-patient medical care, renovate the existing hospital Buildings 9 and 10, provide information systems, and provide appropriate antiterrorism measures. Deteriorated Buildings 2, 4, 6, 7, 8 and 100 of the main hospital complex will be demolished. Construction requires appropriate setbacks for access to natural light. Supporting facilities include utilities, paving, site improvements, special foundations, and environmental mitigation. The project will be designed in accordance with Unified Facilities Criteria (UFC) 4-510-01 Design: Military Medical Facilities, UFC 1-200-01 General Building Requirements, UFC 1-200-02 High Performance and Sustainable Building Requirements, UFC 4-010-01 DoD Minimum Antiterrorism Standards for Buildings, barrier free design in accordance with Architectural Barriers Act (ABA) Accessibility Standard and DEPSECDEF Memorandum "Access for People with Disabilities" dated 10/31/2008, and MHS World Class principles per World Class Checklist Requirements. The project will be designed to LEED Healthcare (HC) Silver certified. Operations and Maintenance Manuals, Enhanced Commissioning, and Comprehensive Interior Design will be provided.

1. Component DEF (DHA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021

3. Installation and Location:	4. Project Title:
Naval Support Activity Bethesda, Maryland	Medical Center Addition / Alteration, Increment 5

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	51010	95983	Approp 153,233

11. REQ: 2,551,618 SF ADQT: 608,163 SUBSTD: 1,229,477 SF

PROJECT:
The using Activity for this project is: Walter Reed National Military Medical Center (WRNMMC). The project implements a comprehensive master plan to provide sufficient world-class military medical facilities and an integrated system of healthcare delivery for the National Capital Region. This renovation of, and addition to WRNMMC will provide wounded warriors, active duty military personnel, and other beneficiaries with world-class healthcare services based on the principles of evidence-based design. This project encompasses 124,050 SF of renovations to currently occupied space, demolition of approximately 332,000 SF of aged and deficient buildings, and the construction of a new 589,928 SF state-of-the-art medical services building that will address the facility and program deficiencies identified by the Defense Health Board in their 2009 report. Specific goals of the project include single-bed patient rooms, promotion of family-centered care, use of natural light, and establishing clear way finding for patients, families, visitors and staff. The project will right-size the facility, modernize architectural and engineering systems, improve clinical spaces to support adjacencies, provide functional areas for the Women's Center and Ambulatory Surgery suites. The project will also modernize the Graduate and Professional Medical Education facility, and integrate the latest medical technologies throughout the medical center infrastructure. (CURRENT MISSION)

REQUIREMENT:
The new construction and renovations incorporates the 2010 Joint Task Force study findings and creates a new north-south and east-west axes of travel and will include a new major public entrance on the east side of the facility. Development of these direct pathways will facilitate way finding and improve connectivity among clinics, offices and community facilities.

CURRENT SITUATION:
The current hospital configuration does not meet the needs of the military healthcare mission at this installation. The existing facility lacks flexibility, prohibits expansion, contains deficient electrical, mechanical and environmental engineering systems, and does not provide adequate space to meet health mission programs.

IMPACT IF NOT PROVIDED:
The concerns presented in the May 2009 report from the Defense Health Board will persist at this inefficient, outdated and deficient facility without modernization and improvement to its infrastructure, and the Walter Reed National Military Medical Center will not be able to provide proper healthcare and medical treatment to our military personnel.

JOINT USE CERTIFICATION:
The Chief, Facilities Enterprise, Defense Health Agency has reviewed this project for Joint Use potential. Joint Use construction is recommended.

12. Supplemental Data:

A. Estimated Execution Data
(1) Acquisition Strategy: Design Bid Build

1. Component DEF (DHA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021

3. Installation and Location:	4. Project Title:
Naval Support Activity Bethesda, Maryland	Medical Center Addition / Alteration, Increment 5

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	51010	95983	Approp 153,233

Supplemental Data (Continued):

(2) Design Data:

(a) Design Started:	FEB/2013
(b) Percent of Design Completed as of Jan 2020 (BY-1):	100%
(c) Design Complete:	AUG/2017
(d) Total Design Cost ($000):	35,140
(e) Energy Studies and/or Life Cycle Analysis Performed:	Yes
(f) Standard or definitive design used?	No

(3) Construction Data:

(a) Contract Award	SEP/2017
(b) Construction Start	NOV/2017
(c) Construction Complete	JUN/2024

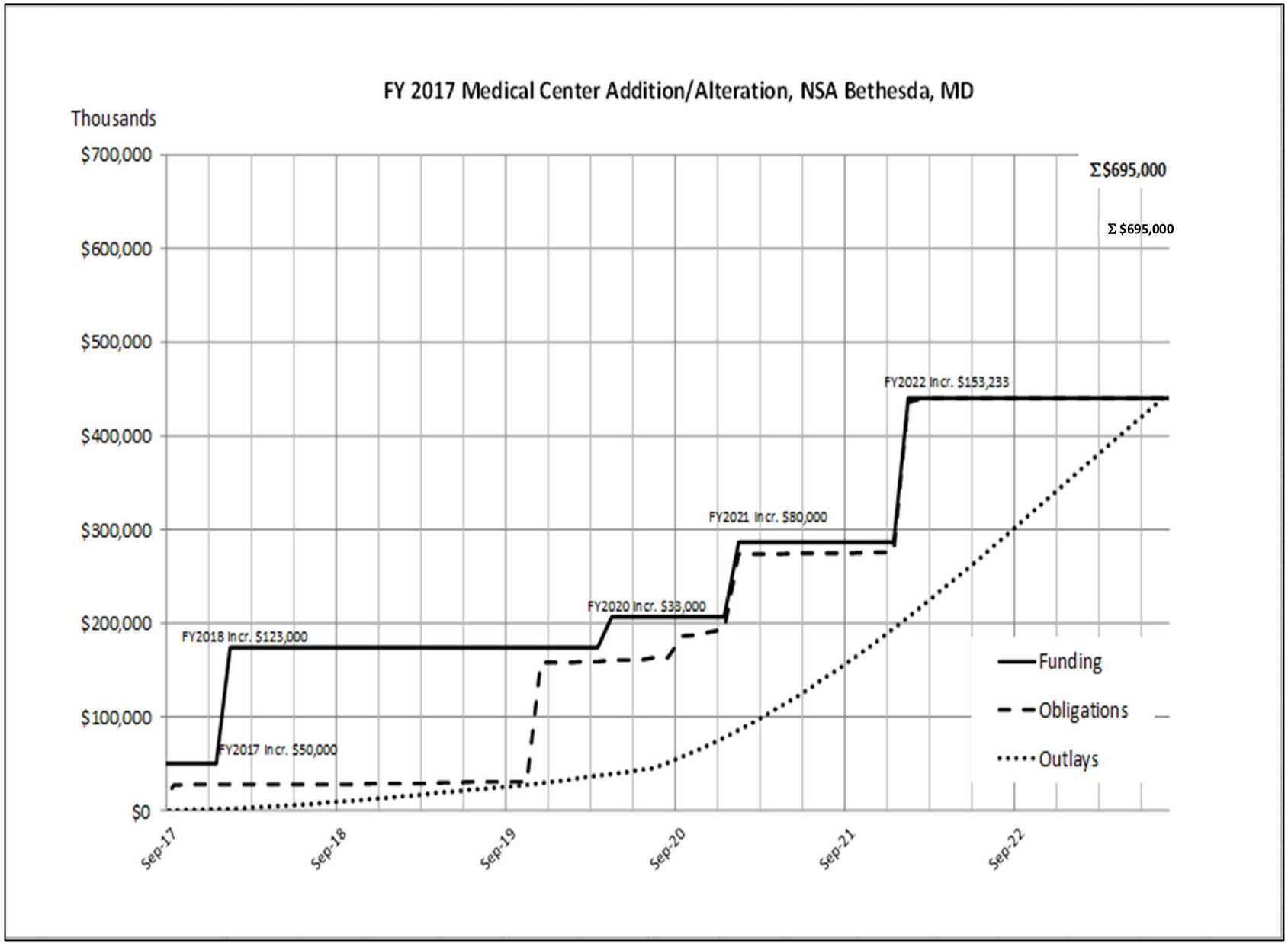
B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Expense	OM	2017	6,350
Expense	OM	2018	19,967
Investment	OP	2019	6,959
Expense	OM	2019	8,576
Investment	OP	2020	6,959
Expense	OM	2020	15,032
Investment	OP	2021	6,959
Expense	OM	2021	27,152
Expense	OP	2022	5,000
Expense	OM	2022	30,000
Expense	OM	Future Request	5,000

C. FUNDING PROFILE:

	Authorization ($000)	Auth of Approp ($000)	Approp ($000)
FY 2017 Enacted	510,000	50,000	50,000
FY 2018 Enacted	-----	123,800	123,800
Cost Variation July 2019	185,000	-----	-----
FY 2020 Enacted	-----	33,000	33,000
FY 2021 Enacted	-----	50,000	80,000
FY 2022 Request	-----	153,233	153,233
Future Request	-----	254,967	254,967
Total Appropriations	695,000	665,000	695,000

Chief, Design, Construction & Activation Office
Phone Number: 703-275-6077


FY 2017 Medical Center Addition/Alteration, NSA Bethesda, MD
Thousands
$700,000
$600,000
$500,000
$400,000
$300,000
$200,000
$100,000
$0
Σ$695,000
Σ $695,000
FY2022 Incr. $153,233
FY2021 Incr. $80,000
FY2020 Incr. $33,000
FY2018 Incr. $123,000
FY2017 Incr. $50,000
Funding
Obligations
Outlays
Sep-17
Sep-18
Sep-19
Sep-20
Sep-21
Sep-22

PROJECT SPENDING PLAN

PROJECT : Medical Center Addition/Alteration, NSA Bethesda MD

All costs in thousands ($000)

Current Authorization: $695,000

Month	FUNDING		OBLIGATIONS		OUTLAYS	
Year	Monthly	Cumulative	Monthly	Cumulative	Monthly	Cumulative
Jan-17	50,000	50,000				
Feb-17	-	50,000				
Mar-17	-	50,000				
Apr-17	-	50,000				
May-17	-	50,000				
Jun-17	-	50,000				
Jul-17	-	50,000				
Aug-17	-	50,000				
Sep-17		50,000	27,840	27,840	416	416
Oct-17	-	50,000	9	27,849	465	881
Nov-17	-	50,000	9	27,858	519	1,400
Dec-17	-	50,000	123	27,981	576	1,977
Jan-18	123,800	173,800	19	28,000	637	2,614
Feb-18	-	173,800	9	28,009	702	3,316
Mar-18	-	173,800	178	28,187	768	4,084
Apr-18	-	173,800	9	28,196	836	4,920
May-18	-	173,800	9	28,205	905	5,825
Jun-18	-	173,800	9	28,214	974	6,799
Jul-18	-	173,800	123	28,338	1,041	7,841
Aug-18	-	173,800	9	28,347	1,107	8,947
Sep-18	-	173,800	9	28,356	1,168	10,115
Oct-18	-	173,800	364	28,720	1,225	11,341
Nov-18	-	173,800	95	28,815	1,276	12,617
Dec-18	-	173,800	51	28,865	1,321	13,938
Jan-19	-	173,800	8	28,873	1,357	15,295
Feb-19	-	173,800	90	28,963	1,386	16,681
Mar-19	-	173,800	40	29,003	1,405	18,085
Apr-19	-	173,800	1,147	30,150	1,415	19,500
May-19	-	173,800	121	30,271	1,415	20,915
Jun-19	-	173,800	444	30,715	1,405	22,319
Jul-19	-	173,800	202	30,917	1,386	23,705
Aug-19	-	173,800	5	30,922	1,357	25,062
Sep-19	-	173,800	8	30,929	1,321	26,383
Oct-19	-	173,800	186	31,115	1,276	27,659
Nov-19	-	173,800	126,911	158,026	1,863	29,523
Dec-19	-	173,800	559	158,584	1,928	31,451
Jan-20		173,800	1	158,586	1,998	33,448
Feb-20	-	173,800	222	158,808	1,975	35,424
Mar-20	-	173,800	385	159,193	2,060	37,484
Apr-20	33,000	206,800	1,304	160,497	2,054	39,538
May-20	-	206,800	1	160,498	1,987	41,525
Jun-20	-	206,800	283	160,781	1,930	43,455
Jul-20	-	206,800	2,774	163,555	2,494	45,949
Aug-20	-	206,800	190	163,746	5,916	51,865
Sep-20	-	206,800	23,219	186,964	6,159	58,024

PROJECT SPENDING PLAN

PROJECT : Medical Center Addition/Alteration, NSA Bethesda MD

All costs in thousands ($000)

Current Authorization: $695,000

Month	FUNDING		OBLIGATIONS		OUTLAYS	
Year	Monthly	Cumulative	Monthly	Cumulative	Monthly	Cumulative
Oct-20	-	206,800	726	187,690	6,413	64,437
Nov-20	-	206,800	3,228	190,918	6,675	71,112
Dec-20	-	206,800	2,598	193,516	6,946	78,058
Jan-21	80,000	286,800	80,214	273,730	7,914	85,971
Feb-21	-	286,800	214	273,944	8,255	94,227
Mar-21	-	286,800	214	274,159	8,598	102,825
Apr-21	-	286,800	214	274,373	8,939	111,764
May-21	-	286,800	214	274,587	9,279	121,042
Jun-21	-	286,800	214	274,801	9,614	130,656
Jul-21	-	286,800	214	275,016	9,944	140,600
Aug-21	-	286,800	214	275,230	10,267	150,867
Sep-21	-	286,800	214	275,444	10,582	161,449
Oct-21	-	286,800	214	275,658	10,886	172,335
Nov-21	-	286,800	214	275,873	11,179	183,514
Dec-21	-	286,800	214	276,087	11,458	194,972
Jan-22	153,233	440,033	159,514	435,601	11,723	206,695
Feb-22	-	440,033	4,432	440,033	11,971	218,667
Mar-22	-	440,033		440,033	12,202	230,869
Apr-22	-	440,033		440,033	12,414	243,282
May-22	-	440,033		440,033	12,605	255,887
Jun-22	-	440,033		440,033	12,775	268,663
Jul-22	-	440,033		440,033	12,923	281,586
Aug-22	-	440,033		440,033	13,048	294,633
Sep-22	-	440,033		440,033	13,148	307,782
Oct-22	-	440,033		440,033	13,224	321,006
Nov-22	-	440,033		440,033	13,275	334,281
Dec-22	-	440,033		440,033	13,301	347,582
Jan-23		440,033		440,033	13,301	360,883
Feb-23	-	440,033		440,033	13,275	374,158
Mar-23	-	440,033		440,033	13,224	387,382
Apr-23	-	440,033		440,033	13,148	400,530
May-23	-	440,033		440,033	13,048	413,578
Jun-23	-	440,033		440,033	12,923	426,501
Jul-23	-	440,033		440,033	13,532	440,033

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEF (DHA)		MAY 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
Fort Leonard Wood, Missouri	US Army Installation Management Command	1.09

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 20190430	1,079	4,414	2,810	1,116	19,350	58	185	789	3,346	33,147
b. END FY 2025	1,007	4,187	2,833	1,015	17,479	66	187	908	3,362	31,044

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	67796
b. INVENTORY TOTAL AS OF 20191231	9,538,199.00
c. AUTHORIZATION NOT YET IN INVENTORY	381,300.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	0.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	31,300.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	9,950,799.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
51010	Hospital Replacement Incr 4	LS	160,000	SEP 2017	JAN 2018

9. FUTURE PROJECTS

51010	Hospital Replacement	LS	31,300	SEP 2017	JAN 2018

10. MISSION OR MAJOR FUNCTIONS

Provides support and facilities for a US Army Training Center, US Army Engineer School, US Army Prime Power School, US Army Chemical School, US Army Military Police School, US Army Reception Station, Noncommissioned Officer Academy/Drill Sergeant School, US Army Hospital, major combat and combat support forces and other tenant activities. Supports Reserve Components and other satellite activities and units.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

DD FORM 1390, JUL 1999

1. Component DEF (DHA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021

3. Installation and Location/UIC:	4. Project Title:
Fort Leonard Wood, Missouri	Hospital Replacement, Increment 4

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	51010	97762	Approp: 160,000

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				266,033
Hospital Replacement - CATCODE 51010	SF	242,631	621	(150,674)
Health Clinic Replacement - CATCODE 55010	SF	198,769	404	(80,303)
Optical Fab Lab Alteration - CATCODE 53020	SF	9,979	193	(1,926)
Ambulance Garage Replacement	LS	--	--	(460)
Central Utility Plant Replacement	LS	--	--	(29,550)
Helipad	LS	--	--	(890)
Emergency Generator	LS	--	--	(302)
Building Information System	LS	--	--	(1,157)
SDD, EPAct, Renewable Energy	LS	--	--	(771)
SUPPORTING FACILITIES				59,973
Electric Service	LS	--	--	(5,127)
Water, Sewer, Gas	LS	--	--	(4,228)
Steam and/or Chilled Water Distribution	LS	--	--	(1,780)
Parking/Paving, Walks, Curbs And Gutters	LS	--	--	(9,146)
Storm Drainage	LS	--	--	(2,879)
Site Imp (8,681) Demo (11,036)	LS	--	--	(19,717)
Information Systems	LS	--	--	(2,992)
EISA 2007 Section 438 (Low Impact Development)	LS	--	--	(480)
Antiterrorism/Force Protection	LS	--	--	(2,931)
Special Foundations	LS	--	--	(1,920)
Other (O&M Manuals, CID, DDC, and Enhanced Commissioning)	LS	--	--	(8,773)
ESTIMATED CONTRACT COST				326,006
CONTINGENCY PERCENT (5.00%)				16,300
SUBTOTAL				342,306
SUPERVISION, INSPECTION & OVERHEAD (5.70%)				19,511
DESIGN/BUILD DESIGN–DESIGN COST (6.00%)				19,560
TOTAL REQUEST				381,377
TOTAL REQUEST (NOT ROUNDED)				381,300
PREVIOUS APPROPRIATIONS				190,000
CURRENT APPROPRIATION REQUEST (UNROUNDED)				160,000
FUTURE APPROPRIATION REQUEST				31,300
INSTALLED EQT-OTHER APPROPRIATIONS				(93,870)

10. Description of Proposed Construction:

This is the forth increment of the Fort Leonard Wood, Missouri Hospital Replacement. The project will construct a multi-story hospital replacement. This project provides inpatient health services, outpatient health clinics, ancillary support spaces to include nutrition, imaging, pharmacy, laboratory and radiology, central utility plant, a helipad, and optical fabrication laboratory. The old hospital will be demolished. Supporting facilities include utilities, information systems, site improvements, special foundation, access drive, parking, signage, environmental protection measures, antiterrorism force protection measures, hazardous material abatement, rock excavation and low impact development. The project will be designed in accordance with Unified Facilities Criteria (UFC) 4-510-01 Design: Military Medical Facilities, UFC 1-200-01 General Building Requirements, UFC 1-200-02 High Performance and Sustainable Building Requirements, UFC 4-010-01

1. Component DEF (DHA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021

3. Installation and Location/UIC:	4. Project Title:
Fort Leonard Wood, Missouri	Hospital Replacement, Increment 4

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	51010	97762	Approp: 160,000

Description of Proposed Construction (Continued):
DoD Minimum Antiterrorism Standards for Buildings, barrier free design in accordance with Architectural Barriers Act (ABA) Accessibility Standard and DEPSECDEF Memorandum "Access for People with Disabilities" dated 10/31/2008, and MHS World Class principles per World Class Checklist Requirements. Operation and Maintenance Manuals, Comprehensive Interior Design, Design During Construction and Enhanced Commissioning will be provided.

11.	REQ:	ADQT:	SUBSTD:
CATCODE 51010	242,631 SF	NONE	461,424 SF
CATCODE 55010	303,951 SF	121,550 SF	4,800 SF
CATCODE 53020	9,979 SF	NONE	9,267 SF

PROJECT:
Construct Hospital Replacement. (CURRENT MISSION)

REQUIREMENT:
This project is required to provide a modern medical campus for the provision of inpatient care to the Ft Leonard Wood beneficiary population. The hospital provides the following departments: Chapel, Logistics, Food Services, Pharmacy (Inpatient) Pathology and Clinical Laboratory, Radiology, Nuclear Medicine, Sterile Processing, Surgical/Interventional Services, Inpatient Behavioral Health, Labor & Delivery / Obstetrics Unit, Multi-Service Inpatient Unit, Emergency and Ambulance Services, Information Management, Health Benefits and Patient Administration, General Administration, and Common Areas. The health clinic provides the following departments: Behavioral Health Clinic, Cardiology/Pulmonary Services Clinic, Education and Training, General Administration, General Surgery Clinic, Health Benefits and Patient Administration, Ophthalmology/Optometry/ ENT/Audiology Clinics, Orthopedics/Podiatry Clinic, Laboratory Specimen Collection, Patient Centered Medical Home Clinic, Outpatient Pharmacy, Physical/Occupational Therapy & Chiropractic Clinics, Preventative Medicine Clinic, and Women's Health Clinic.

CURRENT SITUATION:
General Leonard Wood Army Hospital is currently housed in a facility that is over 40 years old and is located on a constrained site. The current facility shows major deficiencies with key building systems and components such as structures and mechanical, electrical and plumbing systems. The hospital is also deficient in environmental and code compliance and does not meet requirements of the Architectural Barriers Act.

IMPACT IF NOT PROVIDED:
Care on the base will continue to be provided in an outdated facility away from installation troop densities.

ADDITIONAL:
This submission is supported by an economic analysis.

JOINT USE CERTIFICATION:
The Chief, Defense Health Agency, Facilities Enterprise has reviewed this project for joint use potential. Joint use construction is recommended.

12. Supplemental Data:

A. Estimated Execution Data
(1) Acquisition Strategy: Design Build

1. Component DEF (DHA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021

3. Installation and Location/UIC:	4. Project Title:
Fort Leonard Wood, Missouri	Hospital Replacement, Increment 4

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	51010	97762	Approp: 160,000

Supplemental Data (Continued):

(2) Design Data:

(a) Design Started:	SEP/2017
(b) Percent of Design Completed as of Jan 2021 (BY-1):	25%
(c) Design Complete:	JAN 2018
(d) Total Design Cost ($000):	22,878
(e) Energy Studies and/or Life Cycle Analysis Performed:	Yes
(f) Standard or definitive design used?	No

(3) Construction Data:

(a) Contract Award:	OCT/2019
(b) Construction Start:	MAR/2020
(c) Construction Complete:	SEP/2027

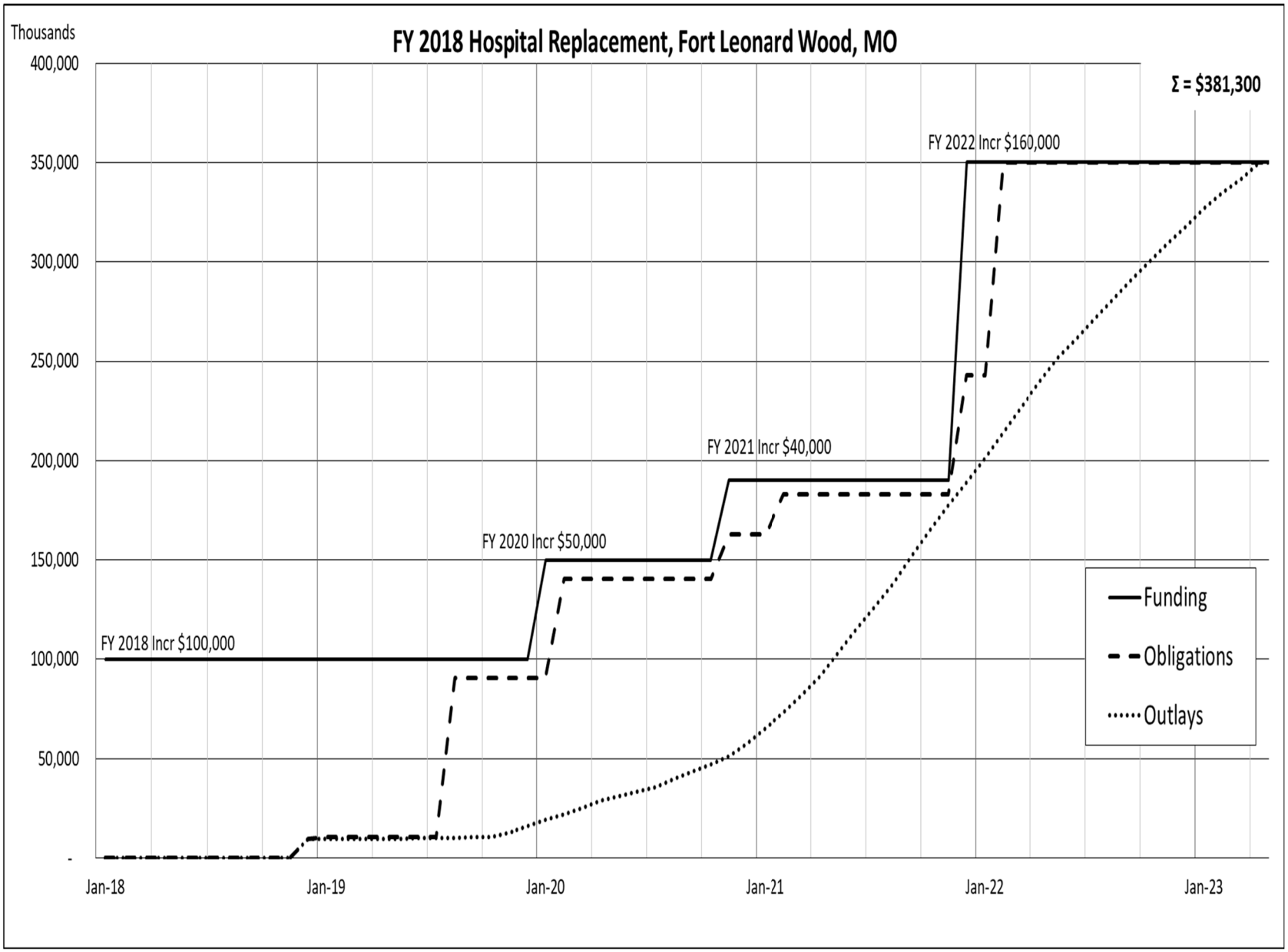
B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Investment	OP	2022	10,500
Investment	OP	Future Request	7,000
Expense	OM	2021	17,500
Expense	OM	2022	20,520
Expense	OM	Future Request	38,350

C. FUNDING PROFILE:

	Authorization ($000)	Auth of Approp ($000)	Approp ($000)
FY 2018 Enacted	381,300	100,000	100,000
FY 2019 Enacted (no request)	-----	-----	-----
FY 2020 Enacted	-----	50,000	50,000
FY 2021Enacted	-----	40,000	40,000
FY 2022 Request	-----	160,000	160,000
Future Request	-----	31,300	31,300
Total	381,300	381,300	381,300

Chief, Design, Construction & Activation Office:
Phone Number: 703-275-6077


FY 2018 Hospital Replacement, Fort Leonard Wood, MO
Thousands
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
-
Σ = $381,300
FY 2022 Incr $160,000
FY 2021 Incr $40,000
FY 2020 Incr $50,000
FY 2018 Incr $100,000
Funding
Obligations
Outlays
Jan-18
Jan-19
Jan-20
Jan-21
Jan-22
Jan-23

PROJECT SPENDING PLAN

PROJECT: Hospital Replacement, Fort Leonard Wood, MO

All costs in thousands ($000)

Current Authorization: $381,300

Month	FUNDING		OBLIGATIONS		OUTLAYS	
Year	Monthly	Cumulative	Monthly	Cumulative	Monthly	Cumulative
Jan-18	100,000	100,000	-	-	-	-
Feb-18	-	100,000	-	-	-	-
Mar-18	-	100,000	-	-	-	-
Apr-18	-	100,000	-	-	-	-
May-18	-	100,000	-	-	-	-
Jun-18	-	100,000	-	-	-	-
Jul-18	-	100,000	-	-	-	-
Aug-18	-	100,000	-	-	-	-
Sep-18	-	100,000	-	-	-	-
Oct-18	-	100,000	-	-	-	-
Nov-18	-	100,000	-	-	-	-
Dec-18	-	100,000	9,423	9,423	9,423	9,423
Jan-19	-	100,000	1,021	10,444	-	9,423
Feb-19	-	100,000	-	10,444	31	9,454
Mar-19	-	100,000	-	10,444	54	9,508
Apr-19	-	100,000	-	10,444	68	9,576
May-19	-	100,000	-	10,444	142	9,718
Jun-19	-	100,000	-	10,444	170	9,888
Jul-19	-	100,000	-	10,444	198	10,086
Aug-19	-	100,000	80,000	90,444	142	10,228
Sep-19	-	100,000	-	90,444	150	10,378
Oct-19	-	100,000	-	90,444	65	10,444
Nov-19	-	100,000	-	90,444	2,515	12,959
Dec-19	-	100,000	-	90,444	3,006	15,965
Jan-20	50,000	150,000	-	90,444	3,006	18,972
Feb-20	-	150,000	50,000	140,444	3,006	21,978
Mar-20	-	150,000	-	140,444	3,269	25,247
Apr-20	-	150,000	-	140,444	3,760	29,007
May-20	-	150,000	-	140,444	2,292	31,300
Jun-20	-	150,000	-	140,444	2,260	33,560
Jul-20	-	150,000	-	140,444	2,260	35,820
Aug-20	-	150,000	-	140,444	3,767	39,587
Sep-20	-	150,000	-	140,444	3,799	43,385

PROJECT SPENDING PLAN

PROJECT: Hospital Replacement, Fort Leonard Wood, MO

All costs in thousands ($000)

Current Authorization: $381,300

Month	FUNDING		OBLIGATIONS		OUTLAYS	
Year	Monthly	Cumulative	Monthly	Cumulative	Monthly	Cumulative
Oct-20	-	150,000	-	140,444	3,767	47,152
Nov-20	40,000	190,000	22,565	163,008	4,167	51,319
Dec-20	-	190,000	-	163,008	6,349	57,668
Jan-21	-	190,000	-	163,008	7,742	65,410
Feb-21	-	190,000	20,084	183,092	7,845	73,255
Mar-21	-	190,000	-	183,092	8,466	81,721
Apr-21	-	190,000	-	183,092	9,790	91,511
May-21	-	190,000	-	183,092	11,643	103,154
Jun-21	-	190,000	-	183,092	11,921	115,075
Jul-21	-	190,000	-	183,092	11,862	126,937
Aug-21	-	190,000	-	183,092	11,328	138,265
Sep-21	-	190,000	-	183,092	13,733	151,998
Oct-21	-	190,000	-	183,092	13,348	165,346
Nov-21	-	190,000	-	183,092	12,113	177,460
Dec-21	160,000	350,000	59,916	243,008	11,438	188,897
Jan-22	-	350,000	-	243,008	12,347	201,245
Feb-22	-	350,000	106,992	350,000	12,838	214,083
Mar-22	-	350,000	-	350,000	12,838	226,922
Apr-22	-	350,000	-	350,000	12,838	239,760
May-22	-	350,000	-	350,000	11,856	251,616
Jun-22	-	350,000	-	350,000	9,826	261,442
Jul-22	-	350,000	-	350,000	9,826	271,267
Aug-22	-	350,000	-	350,000	9,826	281,093
Sep-22	-	350,000	-	350,000	9,826	290,918
Oct-22	-	350,000	-	350,000	9,072	299,990
Nov-22	-	350,000	-	350,000	9,072	309,062
Dec-22	-	350,000	-	350,000	9,072	318,133
Jan-23		350,000	-	350,000	9,072	327,205
Feb-23	-	350,000		350,000	7,532	334,737
Mar-23	-	350,000	-	350,000	6,813	341,550
Apr-23	-	350,000	-	350,000	8,450	350,000

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEF (DHA)		MAY 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
Kirtland Air Force Base New Mexico	Air Force Global Strike Command	0.92

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20180930	350	1,152	1,534	0	0	0	798	2,073	799	6,706
b. END FY 2024	374	1,182	1,516	0	0	0	788	2,016	809	6,685

7. INVENTORY DATA *($000)*	
a. TOTAL ACREAGE (acre)	162,611.00
b. INVENTORY TOTAL AS OF YYYMMDD	4,115,143.00
c. AUTHORIZATION NOT YET IN INVENTORY	0.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	8,600.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	0.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	4,123,743.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
510176	Environmental Health Facility Replacement	10,744 SF	8,600	AUG 2019	SEP 2021

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

The mission of the 377th Air Base Wing is to execute nuclear, readiness, and support operations for American air power. Kirtland AFB is a center for research, development and testing of non-conventional weapons, space and missile technology, laser warfare and much more. Some of the organizations involved in this area include the Department of Energy, Sandia National Laboratories, the Air Force Research Laboratory, the Air Force Operational Test and Evaluation Center, the Space and Missile Systems Center, the Air Force Inspection Agency and the Air Force Safety Center..

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

DD FORM 1390, JUL 1999

1. Component DEF (DHA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY.20211
3. Installation and Location/UIC: Kirkland Air Force Base, New Mexico	4. Project Title: Environmental Health Facility Replacement	

5. Program Element	6. Category Code	7. Project Number	8. Project Cost
87717DHA	510176	92910	8,600

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				5,646
Environmental Facility - CATCODE 510176	SF	10,744	502	(5,39)
Emergency Vehicle Response Shelter	SF	500	144	(72)
SDD, EPAct, Renewable Energy	LS			(79)
Cybersecurity Measures	LS			(102)
SUPPORTING FACILITIES				1,705
Electrical Service	LS	-	--	(134)
Water, Sewer, Gas	LS	-	--	(134)
Parking/Paving, Walks, Curbs and Gutter	LS	-	--	(297)
Storm Drainage	LS	-	--	(35)
Site Imp (199) Demo (148)	LS	-	--	(347)
Information Systems	LS	-	--	(29)
Antiterrorism/Force Protection	LS	-	--	(51)
EISA 2007 Section 438 (Low Impact Development)	LS	-	--	(51)
Other (O&M Manuals, CID, DDC, Enhanced Commissioning)	LS	-	--	(627)
		-		
ESTIMATED CONTRACT COST				7,351
CONTINGENCY PERCENT (5.00%)				368
SUBTOTAL				7,719
SUPERVISION, INSPECTION & OVERHEAD (5.70%)				440
DESIGN/BUILD – DESIGN COST (6.00%)				441
TOTAL REQUEST				8,600
TOTAL REQUEST				8,600
INSTALLED EQT-OTHER APPRPRIATIONS				(786))

10. Description of Proposed Construction:
Construct replacement Bioenvironmental Engineering (BEE) Facility consisting of environmental, radiological, industrial hygiene and administrative functions. The existing building (589) will be demolished. Supporting facilities include utilities, site improvements, facility special foundations, access drives, parking, signage, antiterrorism force protection measures, demolition, and environmental protection measures. The project will designed in accordance with Unified Facilities Criteria (UFC) 4-510-01 Design: Military Medical Facilities, UFC 1-200-01 General Building Requirements, UFC 1-200-02 High Performance and Sustainable Building Requirements, UFC 4-010-01 DoD Minimum Antiterrorism Standards for Buildings, barrier free design in accordance with Architectural Barriers Act (ABA) Accessibility Standard and DEPSECDEF Memorandum "Access for People with Disabilities" dated 10/31/2008, and MHS World Class principles per World Class Checklist Requirements. Operations and Maintenance Manuals, Comprehensive Interior Design, Design During Construction and Enhanced Commissioning will be provided.

11. REQ:	ADQT:	SUBSTD:
CATCODE 510176 = 10,744 SF	0 SF	10,721 SF
CATCODE 510264 = 500 SF	0 SF	N/A SF

PROJECT:
Construct replacement Bioenvironmental Engineering facility. (CURRENT MISSION)

1. Component DEF (DHA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MAY 2021
3. Installation and Location/UIC: Kirkland AFB, New Mexico		4. Project Title: Environmental Health Facility Replacement	
5. Program Element 87717DHA	6. Category Code 510176	7. Project Number 92910	8. Project Cost ($000) 8,600

REQUIREMENT:
Kirtland AFB requires provision of the complete array of public and environmental health services, to include occupational health, environmental health, and industrial hygiene. Additionally, the strategic partnership between the Air Force Nuclear Weapons Center and the Los Alamos National Laboratory increases the normal BEE role to include public health surveillance and disaster response in the areas of chemical, biological, and nuclear threats.

CURRENT SITUATION:
The existing Bioenvironmental Engineering facility was constructed as a base chapel. Most of the HVAC, plumbing, and electrical system components are inadequate and past their useful life and thus slated for demolition by the installation civil engineer. The current configuration does not provide optimal bioenvironmental laboratory layouts, room types, and adjacencies called for by current DoD criteria, guide plates, or modern laboratory design standards. Currently, the facility cannot adequately accommodate the public health surveillance and disaster response in the areas of Chemical, Biological, Radiological and Nuclear threats given the physical spaces mismatch. The fact that the building is a re-purposed chapel means that it cannot accommodate a floor layout that modern laboratories require or efficient workflow. The original choir and altar areas are on separate levels from the main floor, which impedes the free flow of personnel and equipment from one end of the building to the other. These areas are also designed on a smaller structural grid, which limits the type of spaces that they can accommodate.

IMPACT IF NOT PROVIDED:
The Bioenvironmental Engineering mission is in jeopardy because of its location in a re-purposed chapel (Bldg. 589) which has failing building systems and numerous code violations.

ADDITIONAL:
This submission is supported by an economic analysis.

JOINT USE CERTIFICATION:
The Chief, Defense Health Agency, Facilities Enterprise has reviewed this project for joint use potential. Joint use construction is not recommended.

12. Supplemental Data:

A. Estimated Execution Data:	
(1) Acquisition Strategy:	Design-Build
(2) Design Data	
(a) Request for Proposal Started:	AUG/2019
(b) Percent of Design Completed as of Jan 2021:	20%
(c) Request for Proposal Complete:	SEP/2021
(d) Total Design Cost ($000):	1,024
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Standard or definitive design used:	No
(3) Construction Data:	
(a) Contract Award:	MAY/2022
(b) Construction Start:	AUG/2022
(c) Construction Complete:	AUG/2023
(4) Facility Condition Index	75

1. Component DEF (DHA)	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. Date MAY 2021
3. Installation and Location/UIC: Kirkland AFB, New Mexico	4. Project Title: Environmental Health Facility Replacement	

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	510176	92910	8,600

Supplemental Data (Continued):

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Expense	OM	Future Request	704
IO&T Investment	OP	Future Request	82

Chief, Design, Construction & Activation Office
Phone Number: 703-275-6077

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE)
DEF (DHA)		MAY 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
Joint Base San Antonio (Lackland AFB) Texas	Air Education and Training Command	0.89

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 30 SEP 2019	59	503	87	-	-	-	3	79	32	763
b. END FY 2024	59	501	89	-	-	-	3	79	32	763

7. INVENTORY DATA *($000)*	
a. TOTAL ACREAGE (acre)	45,641.00
b. INVENTORY TOTAL AS OF 20201203	559,251.00
c. AUTHORIZATION NOT YET IN INVENTORY	61,776.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	35,000.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	0.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	656,027.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
55010	Ambulatory Care Center, Phase4	LS	35,000	N/A	N/A

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

The 502nd Air Base Wing (ABW) is the host wing for Joint Base San Antonio (JBSA) which is comprised of three primary locations; JBSA-Lackland, JBSA-Randolph, JBSA-Fort Sam Houston as well as eight other operating locations. The 502 ABW provides installation support services to more than 41 Air Force Mission Partners, 30 US Army Mission Partners, 6 US Navy Mission Partners, US Marine Corps Mission Partners, US Coast Guard, and 15 US Governmental Organization Mission Partners, that accomplish diverse training, flying, cyber, intelligence, medical, and installations missions every day.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

DD FORM 1390, JUL 1999

1. Component DEF (DHA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021

3. Installation and Location/UIC:	4. Project Title:
Joint Base San Antonio (Lackland), Texas	Ambulatory Care Center, Phase 4

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	550	99634	35,000

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				57,016
Demolish Medical Center CATCODE 51010	SF	1,540,185	7.54	(11,613)
Hazardous Material Abatement	LS	--	--	(45,403)
SUPPORTING FACILITIES				28,245
Electric Service	LS	--	--	(896)
Water, Sewer, Gas	LS	--	--	(224)
Paving, Walks, Curbs And Gutters	LS	--	--	(13,292)
Storm Drainage	LS	--	--	(3,110)
Site Imp (2,388) Demo (3,993)	LS	--	--	(6,381)
Information Systems	LS	--	--	(2,900)
Antiterrorism Measures	LS	--	--	(257)
Other (O&M Manuals, Design During Construction)	LS	--	--	(1,185)
ESTIMATED CONTRACT COST				85,261
CONTINGENCY PERCENT (5.00%)				4,263
SUBTOTAL				89,524
SUPERVISION, INSPECTION & OVERHEAD (5.70%)				5,103
DESIGN BUILD FEE (LS)				2,149
TOTAL REQUEST				96,766
TOTAL REQUEST (UNROUNDED)				96,766
PREVIOUS APPROPRIATIONS				61,776
CURRENT APPROPRIATION REQUEST (ROUNDED)				35,000
INSTALLED EQT-OTHER APPROPRIATIONS				(0)

10. Description of Proposed Construction:
Demolish the existing Wilford Hall Medical Center (WHMC) and its associated, ancillary facilities that no longer support the Wilford Hall facility medical mission, and restore the site to an appropriate condition for a new asphalt and concrete parking area to include; utilities, site improvements, access roads, and parking. The project will be designed in accordance with Unified Facilities Criteria UFC 4-510-01, DoD Minimum Antiterrorism Standards for Buildings UFC 4-010-01, barrier-free design in accordance with DoD, "ABA (Architectural Barriers Act) Accessibility Standard" and DEPSECDEF Memorandum "Access for People with Disabilities" dated 10/31/2008, Air Conditioning: None.

11. REQ: 681,684 SF ADQT: 380,432 SF SUBSTD: 1,540,185 SF

PROJECT:
Demolish the existing WHMC and associate ancillary facilities and construct a new parking area for the Ambulatory Care Center. (CURRENT MISSION)

REQUIREMENT:
WHMC and associated ancillary facilities that are no longer required to support the new Ambulatory Care Center (ACC) must be demolished. Parking for the ACC must be provided on land currently occupied by WHMC.

CURRENT SITUATION:
Completion of the ACC will allow all current patient care operations and remaining support functions to transfer from

1. Component DEF (DHA)	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. Date MAY 2021

3. Installation and Location/UIC:	4. Project Title:
Joint Base San Antonio (Lackland), Texas	Ambulatory Care Center, Phase 4

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	550	99634	35,000

CURRENT SITUATION (Continued):
WHMC to the adjacent new facility. When that transfer is complete, the existing 60 year-old, 10-story medical center will no longer be required and needs to be demolished to make room for parking to support operations at the ACC. . Initial surveys identified asbestos containing material (ACM) and other regulated material (ORM) within the building. However, additional ACM/ORM was discovered during destructive testing after the building was vacated. The interior face of the exterior walls has a mastic type ACM used as waterproofing. Regulations require special environmental controls for the demolition and the material must be disposed of as contaminated waste. These extra measures from unforeseen conditions have increased the cost estimate of the demolition.

IMPACT IF NOT PROVIDED:
The existing WHMC facility is a large, outdated and failing facility that is vacant upon completion of the move of operations to the ACC. Testing after the facility was vacated identified substantial hazardous materials in walls and on the inside face of the exterior walls that require abatement prior to demolishing the building. Failure to demolish it will require unnecessary expenditures to secure and maintain an empty building that has had all utilities disconnected and requires hazardous material abatement. These utilities include power, water, fire alarm, sanitary sewer, and communications. The building also occupies the space required for patient parking at the new adjacent ACC.

JOINT USE CERTIFICATION:
The Director, Defense Health Agency, Facilities Division has reviewed this project for joint use potential. Demolition is recommended.

12. Supplemental Data:

A. Design Data:

(1) Status:

(a) Design Start Date:	NOV 2014
(b) Percent Complete As of 1 JAN 2021:	100%
(c) Expected 35% Design Date (DRAFT RFP):	APR 2015
(d) Expected 100% Design Completion Date:	JAN 2016

(e) Parametric Design (Yes or No) N

(f) Type of Design Contract:

1. Design Build (YES/NO) Y
2. Design, Bid-Build (YES/NO) N
3. Site Adapt (YES/NO) N

(g) Energy Studies & Life Cycle Analysis Performed (Yes or No) N

(2) Basis:

(a) Standard or Definitive Design - (YES/NO) N

(b) Where Design Was Most Recently Used N/A

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

	Cost ($000)
(a) Production of Plans and Specifications	3,368
(b) All Other Design Costs	1,684
(c) Total Design Cost	5,052
(d) Contract	4,491
(e) In-house	561

1. Component DEF (DHA)	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. Date MAY 2021

3. Installation and Location/UIC:	4. Project Title:
Joint Base San Antonio (Lackland), Texas	Ambulatory Care Center, Phase 4

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	550	99634	35,000

12. Supplemental Data (Continued):

(4) Estimated Construction Contract Award Date	JUL 2016
(5) Estimated Construction Start Date	SEP 2016
(6) Estimated Construction Completion Date	SEP 2023

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

C. FUNDING PROFILE (Cost to Complete):

	Authorization ($000)	Auth of Approp ($000)	Approp ($000)
FY 2016	61,766	61,766	61,766
Cost Variation	35,000	-----	-----
FY 2022 Request	-----	35,000	35,000
Total	96,766		96,766

Chief, Design, Construction & Activation Office:
Phone Number: 703-681-4324

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	1. DATE
DEF (DHA)		MAY 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
Fort Belvoir Virginia	US Army installation Management Command	1.08

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20201031	2,381	3,076	5,373	198	101	19	1,250	1,049	17,822	31,269
b. END FY 2026	2,914	3,597	5,293	186	99	18	1,682	1,382	17,543	32,714

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	8,617.00
b. INVENTORY TOTAL AS OF 20210331	9,527,934.00
c. AUTHORIZATION NOT YET IN INVENTORY	0.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	29,800.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	0.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	9,557,734.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
53040	Veterinary Treatment Facility Replacement	21,958 SF	29,800	JUN 2019	SEP 2021

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

Provide installation support to authorized units, activities and personnel assigned to or located in the Fort Belvoir geographical support region including: various Headquarters Department of the Army and Department of Defense agencies, Intelligence and Security Command, Defense Threat Reduction Agency, Defense Logistics Agency, U.S. Army Criminal Investigation Command, National Geospatial-Intelligence Agency, Defense Acquisition University, Army Management Staff College, Army Force Management School, Army Inspector General School, and Defense Contract Audit Command.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

DD FORM 1390, JUL 1999

1. Component DEF (DHA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021
3. Installation and Location/UIC: Fort Belvoir, Virginia	4. Project Title: Veterinary Treatment Facility Replacement	

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	53040	80679	29,800

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				17,543
Veterinary Facility - CATCODE 53040	SF	21,958	733	(16,101)
Canopy/Covered Exercise Area – CATCODE 14179	SF	400	130	(52)
Emergency Generator	LS	--	--	(480)
SDD, EPAct, Renewable Energy	LS	--	--	(200)
Cyber Security Measures	LS	--	--	(710)
SUPPORTING FACILITIES				7,930
Electric Service	LS	--	--	(1,180)
Water, Sewer, Gas	LS	--	--	(830)
Parking/Paving, Walks, Curbs and Gutters	LS	--	--	(790)
Storm Drainage	LS	--	--	(420)
Site Imp (2,780) Demo (280)	LS	--	--	(3,060)
Information Systems	LS	--	--	(170)
Antiterrorism/Force Protection	LS	--	--	(100)
Utility Privatization Connection	LS	--	--	(100)
EISA 2007 Section 438 (Low Impact Development)	LS	--	--	(180)
Other (O&M Manuals, CID, DDC, Enhanced Commissioning)	LS	--	--	(1,100)
ESTIMATED CONTRACT COST				25,473
CONTINGENCY PERCENT (5.00%)				1,274
SUBTOTAL				26,747
SUPERVISION, INSPECTION & OVERHEAD (5.70%)				1,525
DESIGN/BUILD – DESIGN COST (6.00%)				1,528
TOTAL REQUEST				29,800
INSTALLED EQT-OTHER APPROPRIATIONS				(3,280)

10. Description of Proposed Construction:
Construct a replacement Veterinary Treatment Facility and Food Inspection Facility supporting Military Working Dogs (MWD) and Government Owned Animals (GOAs), and covered exercise area. Supporting facilities include utilities, site improvements, parking, signage, antiterrorism/force protection measures, and environmental protection measures. The existing veterinary facility will be demolished. The project will be designed in accordance with American Animal Hospital Association Guidelines, Unified Facilities Criteria (UFC) 4-510-01 Design: Military Medical Facilities, UFC 1-200-01 General Building Requirements, UFC 1-200-02 High Performance and Sustainable Building Requirements, UFC 4-010-01 DoD Minimum Antiterrorism Standards for Buildings, UFC 4-010-06 Cybersecurity of Facility-Related Control Systems, barrier free design in accordance with Architectural Barriers Act (ABA) Accessibility Standard and DEPSECDEF Memorandum "Access for People with Disabilities" dated 10/31/2008, and MHS World Class principles per World Class Checklist Requirements. Operations and Maintenance Manuals, Comprehensive Interior Design, Design During Construction, and Enhanced Commissioning will be provided.

11. REQ:	ADQT:	SUBSTD:
CATCODE 53040 = 21,958 SF	0 SF	6,818 SF
CATCODE 14179 = 400 SF	0 SF	0 SF

1. Component DEF (DHA)	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. Date MAY 2021
3. Installation and Location/UIC: Fort Belvoir, Virginia	4. Project Title: Veterinary Treatment Facility Replacement	

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	53040	80679	29,800

PROJECT:
Construct a replacement Veterinary Facility for the prevention of zoonotic disease, preventive, diagnostic, and dental and surgical care for MWD, and other GOAs. (CURRENT MISSION)

REQUIREMENT:
The new facility is required to provide effective military working dog / government owned animal care and food defense and safety functions to Fort Belvoir, the National Capital Region (NCR), Secret Service, U.S. Capital Police, Metropolitan Washington Airport Authority, and referrals for 21 states comprising the North Atlantic Regional Veterinary Command. This project is required to support the Veterinary Corps First Year Graduate Veterinary Education program (FYGVE). It supports the associated increased facility demands on core mission services; providing full service preventive, diagnostic, surgical and dental care to GOAs, food inspection spaces, and preventive and diagnostic services to the privately-owned animals (POA) of eligible beneficiaries. POA care is required to maintain the clinical currency of the assigned veterinarians.

CURRENT SITUATION:
The current facility, built in 1993, has noted life, health and safety risks and deficiencies resulting from a lack of space. The clinical areas are not configured for optimum flow and cannot adequately train the quantity of Army Veterinarians planned for the FYGVE. The facility is not currently accredited by the American Animal Hospital Association due to the facility deficiencies.

IMPACT IF NOT PROVIDED:
Veterinary service activities at Fort Belvoir will continue to operate inefficiently while exposing risk to National Security with continued medical readiness degradation. Mission execution will be curtailed or will not be fully realized, owing to substandard and inadequately sized facilities. Patient comfort will be compromised and necessary procedures will be delayed. Staff efficiency will continue to be degraded by a lack of functional space and maintaining staff accreditation will be jeopardized. The FYGVE program will be suspended until the replacement facility is accredited.

ADDITIONAL:
This submission is supported by an economic analysis. The site is not within a 100 year flood plain.

JOINT USE CERTIFICATION:
The Chief, Defense Health Agency, Facilities Enterprise has reviewed this project for joint use potential. Joint use construction is recommended.

12. Supplemental Data:

A. Estimated Execution Data

(1) Acquisition Strategy:	Design Build
(2) Design Data:	
(a) Request for Proposal (RFP) Started:	JUN/2019
(b) Percent of Design Completed as of Jan 2021:	20%
(c) Request for Proposal Complete:	SEP/2021
(d) Total Design Cost ($000):	1,350
(e) Energy Studies and/or Life Cycle Analysis Performed:	No
(f) Standard or definitive design used:	No

1. Component DEF (DHA)	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. Date MAY 2021
3. Installation and Location/UIC: Fort Belvoir, Virginia	4. Project Title: Veterinary Treatment Facility Replacement	

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	53040	80679	29,800

Supplemental Data (Continued):

(3) Construction Data:
- (a) Contract Award: JUN/2022
- (b) Construction Start: JAN/2023
- (c) Construction Complete: DEC/2024

(4) Facility Condition Index: 86

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Expense	OM	Future Request	2,938
Investment	OP	Future Request	342

Chief, Design, Construction & Activation Office:
Phone Number: 703-275-6077

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEF (DHA)		MAY 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
Naval Air Station Whidbey Island (Oak Harbor) Washington		1.26

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20171930	1,088	6,567	327	0	0	0	54	102	0	8,138
b. END FY 2022	1,364	7,386	327	0	0	0	108	204	0	9,389

7. INVENTORY DATA *($000)*	
a. TOTAL ACREAGE (acre)	8,827.00
b. INVENTORY TOTAL AS OF 20170930	2,248,870.00
c. AUTHORIZATION NOT YET IN INVENTORY	0.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	59,000.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	0.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	2,307,870.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
55010	Ambulatory Care Center / Dental Clinic	53,146 SF 11,760 SF	59,000	DEC 2019	APR 2021

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

To provide the highest quality facilities, services and products to the Naval Aviation Community, and all organizations utilizing the Naval Air Station on Whidbey Island.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

DD FORM 1390, JUL 1999

1. Component DEF (DHA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021
3. Installation and Location/UIC: Naval Air Station Whidbey Island (Oak Harbor), Whidbey Island, WA	4. Project Title: Ambulatory Care Center/Dental Clinic Replacement	

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	55010	81437	59,000

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				42,298
Ambulatory Care Center CATCODE 55010	SF	53,146	583	(30,984)
Dental Clinic CATCODE 54010	SF	11,760	780	(9,173)
Emergency Generator	LS	--	--	(146)
SDD, EPACT, Renewable Energy	LS	--	--	(1,740)
Cyber Security Measures	LS	--	--	(255)
SUPPORTING FACILITIES				10,862
Electric Service	LS	--	--	(1,599)
Water, Sewer, Gas	LS	--	--	(174)
Parking, Paving, Walks, Curbs and Gutters	LS	--	--	(1,628)
Storm Drainage	LS	--	--	(392)
Site Imp (4,358) Demo (0)	LS	--	--	(4,358)
Information Systems	LS	--	--	(1,087)
Antiterrorism Measures/Force Protection	LS	--	--	(81)
EISA 2007 Section 438 (Low Impact Development)	LS	--	--	(326)
Other (O&M Manuals, PCAS, CID, Enhanced Commissioning)	LS	--	--	(1,217)
ESTIMATED CONTRACT COST				53,160
CONTINGENCY PERCENT (5.00%)				2,658
SUBTOTAL				55,818
SUPERVISION, INSPECTION & OVERHEAD (5.70%)				3,182
TOTAL REQUEST				59,000
INSTALLED EQT-OTHER APPROPRIATIONS				(10,461)

10. Description of Proposed Construction:
Construct an Ambulatory Care Center (ACC) with attached Dental Clinic to support Active Duty personnel. The project will provide outpatient medical services, mental health services, optometry, pharmacy, preventive medicine, dental services, ancillary services, and space for support/administrative functions. Supporting facilities include utilities, communications, site improvements, parking, signage, antiterrorism force protection (ATFP) measures, and environmental protection measures. The project will be designed in accordance with Unified Facilities Criteria (UFC) 4-510-0 l Design: Military Medical Facilities, UFC 1-200-01 General Building Requirements, UFC 1-200-02 High Performance and Sustainable Building Requirements, UFC 4-010-01 DoD Minimum Antiterrorism Standards for Buildings, UFC 4-010-06 Cybersecurity of Facility-Related Control Systems, barrier free design in accordance with Architectural Barriers Act (ABA) Accessibility Standard and DEPSECDEF Memorandum "Access for People with Disabilities" dated 10/31/2008, and MHS World Class principles per World Class Checklist Requirements. Operation and Maintenance Manuals, Commissioning, Post Construction Award Services, and Comprehensive Interior Design will be provided.

11. REQ: 64,906 SF ADQT: 0 SF SUBSTD: 64,906 SF

PROJECT:
Construct a consolidated Ambulatory Care Center (Medical/Dental Clinic) project. (CURRENT MISSION)

1. Component DEF (DHA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MAY 2021
3. Installation and Location/UIC: Naval Air Station Whidbey Island (Oak Harbor), Whidbey Island, WA		4. Project Title: Ambulatory Care Center/Dental Clinic Replacement	
5. Program Element 87717DHA	6. Category Code 55010	7. Project Number 81437	8. Project Cost ($000) 59,000

REQUIREMENT:
The purposed ACC will allow for clinical service being provided to active duty personnel to be consolidated into a purpose build medical facility close to the concentration of active duty forces. Additionally, the purposed ACC will improve the challenges faced to include fragmented patient flow, right size active duty clinical space per criteria, and compliance with ATFP, noise and seismic requirements.

CURRENT SITUATION:
The existing hospital has grown incrementally with predominantly the installation of four outlying temporary structures at 3k SF each and occupation of an estimated 33k SF non-medical buildings of opportunity adjacent to the existing main facility. Many of the original hospital building's systems have aged beyond their useful life and negatively impact facility operations and patient care. The older portions of the hospital are also non-compliant with current codes and criteria. Overall the functional flow of the current Oak Harbor Birthing Center is poor, functionally challenged with fragmented healthcare. The departments are undersized and many of the functional relationships that would normally exist in a medical facility are not present due to the building layout. The geometrical and functional layout of the existing facility has forced the hospital to utilize space not suited for their current healthcare delivery practices.

IMPACT IF NOT PROVIDED: Clinical care will continue to be provided in non-medical buildings of opportunity which disrupts functional flow of clinical services. Furthermore, distribution of services in many outlying buildings will continue to require patients to seek care in a number of locations, resulting in patients being away from units for an extended period of time.

ADDITIONAL:
This submission is supported by an economic analysis. The project site is not within the 100-year floodplain.

JOINT USE CERTIFICATION:
The Defense Health Agency, Chief, Facilities Enterprises has reviewed this project for joint use potential. Joint use construction is recommended.

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12. Supplemental Data:

A. Estimated Execution Data:

(1) Acquisition Strategy:	Design Bid Build
(2) Design Data:	
(a) Design Started:	DEC/2019
(b) Percent of Design Completed as of Jan 2021:	65%
(c) Design Complete:	APR/2021
(d) Total Design Cost ($000):	4,580
(e) Energy Studies and/or Life Cycle Analysis Performed:	Yes
(f) Standard or definitive design used?	No
(3) Construction Data:	
(a) Contract Award:	FEB 2022
(b) Construction Start:	MAR 2022
(c) Construction Complete:	JUL 2025
(4) Facility Condition Index:	71

1. Component DEF (DHA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MAY 2021
3. Installation and Location/UIC: Naval Air Station Whidbey Island (Oak Harbor), Whidbey Island, WA		4. Project Title: Ambulatory Care Center/Dental Clinic Replacement	
5. Program Element 87717DHA	6. Category Code 55010	7. Project Number 81437	8. Project Cost ($000) 59,000

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Expense	OM	Future Request	9,279
Investment	OP	Future Request	1,182

Chief, Design, Construction & Activation Office
Phone Number: 703-275-6077

DD Form 1391C, JUL 1999

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEF (DHA)		MAY 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION EXCHANGE RATE
Royal Air Force Lakenheath United Kingdom	US Air Force Europe - Air Force Africa	1.34

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20180930	518	4,069	637	0	0	0	6	58	15	5,303
b. END FY 2024	493	3,910	723	0	0	0	6	58	15	5,205

7. INVENTORY DATA *($000)*	
a. TOTAL ACREAGE (acre)	2,007.00
b. INVENTORY TOTAL AS OF 20180930	3,072,621.00
c. AUTHORIZATION NOT YET IN INVENTORY	0.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	19,283.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	0.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	3,091,904.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
51010	Hospital Replacement	13,221 SF	19,283	AUG /2018	AUG 2021

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

Responsible for training, supporting, and employing a combat fighter wing that include F-15C, two F-15E squadrons. The wing stands ready to provide responsive combat air power, support and services to meet our Nation's and allies international objectives-anytime, anywhere, whatever needs to be done. The Major Command is the United States Air Forces Europe (USAFE), which is a component command of the United States European Command (USEUCOM).

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

DD FORM 1390, JUL 1999

Component DEF (DHA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021
3. Installation and Location/UIC: RAF Lakenheath, United Kingdom	4. Project Title: Hospital Replacement-Temporary Facilities	

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	51010	89833	19,283

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				6,012
Semi-Permanent Medical Facilities - CATCODE 51010 (1,219 SM)	SF	13,224	393	(5,197)
Temporary Ambulance Shelter – CATCODE 53070 (189 SM)	SF	2,036	300	(611)
Cyber Security Measures	LS	--	--	(204)
SUPPORTING FACILITIES				11,251
Electric Service	LS	--	--	(2,120)
Water, Sewer, Gas	LS	--	--	(552)
Parking/Paving, Walks, Curbs and Gutters	LS	--	--	(2,430)
Storm Drainage	LS	--	--	(696)
Site Imp (206) Demo (945)	LS	--	--	(1,151)
Information Systems	LS	--	--	(2,174)
Antiterrorism/Force Protection	LS	--	--	(170)
Phasing Costs - Sitework Only	LS	--	--	(435)
EISA 2007 Section 438 (Low Impact Development)	LS	--	--	(189)
Other (O&M Manuals, CID, DDC)	LS	--	--	(1,334)
ESTIMATED CONTRACT COST				17,263
CONTINGENCY PERCENT (5.00%)				863
SUBTOTAL				18,126
SUPERVISION, INSPECTION & OVERHEAD (2.50%)				432
DESIGN/BUILD-DESIGN COST (4.00%)				725
TOTAL REQUEST				19,283
INSTALLED EQT-OTHER APPROPRIATIONS				(1,540)

10. Description of Proposed Construction:

This project is Phase 1 of a 3 phase project that will complete the recapitalization of the RAF Lakenheath medical campus. This project clears the site for a replacement hospital to be constructed in later phases. Construct semi-permanent medical facilities and temporary ambulance shelter. Semi-Permanent medical facilities will provide staff education and training and preventative medicine/primary care for the anticipated construction duration of all 3 phases estimated to take 8 years. A total of four (4) temporary parking spaces, with protective shelter and infrastructure, will be provided for emergency and ambulance services. Supporting facilities include utilities, information systems, site improvements, access drive, parking, signage, environmental protection measures, antiterrorism/force protection measures, and low impact development, and demolish existing buildings 926 (Flight Medicine), 933 (Ambulance Garage), Buildings 611 and 612 (Education and Training). Both gas and British Television (BT) communications lines will have to be routed to clear the construction site. Pavement works includes; paving removal/upgrade of existing car park areas (to include re-striping), the construction of new car parking area to provide capacity during future construction phasing and the construction of a connector road, with associated curbing, to extend Bradford Road to Plymouth Road. The project will be designed in accordance with Unified Facilities Criteria (UFC) 4-510-0 l Design: Military Medical Facilities, UFC 1-200-01 General Building Requirements, UFC 1-200-02 High Performance and Sustainable Building Requirements, UFC 4-010-01 DoD Minimum Antiterrorism Standards for Buildings, UFC 4-010-06 Cybersecurity of Facility-Related Control Systems, barrier free design in accordance with Architectural Barriers Act (ABA) Accessibility Standard and DEPSECDEF Memorandum "Access for People with Disabilities" dated 10/31/2008, and MHS World Class principles per World Class Checklist Requirements. Operations and Maintenance Manuals, Comprehensive Interior Design, and Design During Construction will be provided.

Component DEF (DHA)	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. Date MAY 2021
3. Installation and Location/UIC: RAF Lakenheath, United Kingdom	4. Project Title: Hospital Replacement-Temporary Facilities	

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	51010	89833	19,283

11.	REQ:	ADQT:	SUBSTD:
	CATCODE: 51010 = 13,231 SF	0 SF	0 SF
	CATCODE: 53070 = 2,036 SF	2,039 SF	0 SF

PROJECT:
Construct semi-permanent and temporary medical facilities and significant utility work to prepare site for future replacement hospital construction. (CURRENT MISSION)

REQUIREMENT:
A hospital is required to meet the enduring RAF Lakenheath medical mission, in support of the European Infrastructure Consolidation. The current inpatient facilities require replacement due to infrastructure age and condition. The planned replacement hospital will provide direct medical services to a projected 18,785 enrolled beneficiaries at RAF Lakenheath and additional beneficiaries supported throughout the United Kingdom and Scandinavia. The healthcare mission requirements include: medical-surgical inpatient beds, labor-delivery service, inpatient and outpatient surgical services, as well as primary and specialty ambulatory care, emergency and medical proficiency training simulation capability. The hospital serves as the Air Force hub for inpatient services, telemedicine and specialty and advance diagnostic testing for all DoD beneficiaries assigned to the United Kingdom and Scandinavia. The hospital also supports both local and remote geographically separated units for military medical specific requirements, tracking, and equipping.

PHASING PLAN:
Multiple phased projects will ultimately replace the inpatient services, modernize outpatient services, and modernize the medical administrative functions. Subsequent stand-alone phases include a replacement hospital inpatient tower with central utility plant, ambulance shelter and supporting facilities, and a final phase for the modernization of Building 935 for outpatient services, Building 922 administrative services, construct a new parking garage, construct covered/enclosed pedestrian connectors to the new inpatient facility, site work, and demolition of Building 932 the old inpatient tower.

CURRENT SITUATION:
The RAF Lakenheath medical campus consists of multiple clinical administrative, and logistical buildings. The current four story hospital (Building 932) was constructed in 1964 and augmented by a hospital annex constructed in 1996 (Building 935) and a second annex constructed in 2001 (Building 922) for medical administration.

The facility has struggled to adapt to updated life safety and evidence-based DoD medical space planning requirements, emerging technologies and multiple mission changes. The existing 9'-9" floor to floor height of hospital Building 932 does not allow for the installation of a fire sprinkler system, nor allow for the incorporation of modern surgical equipment. Current DoD hospital minimal standard for floor to floor height is 15'.

Space constraints impacting facility operations are progressively pushing functions into buildings of opportunity or constructing medical annexes. The 1996 hospital annex (Building 935) lacks a fire sprinkler system, and requires extensive renovation to add sprinklers and accommodate new clinical capabilities. The 2001 administrative annex (Building 922) requires renovation to accommodate new functions. The existing steam plant (Building 931) built in 1964 suffers from utility system failures and will be replaced with a more efficient system. The ambulance shelter (Building 933) is in the footprint of the replacement hospital, was constructed in 1968, and only has space for three of six assigned ambulances.

Component DEF (DHA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021
3. Installation and Location/UIC: RAF Lakenheath, United Kingdom	4. Project Title: Hospital Replacement-Temporary Facilities	

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	51010	89833	19,283

IMPACT IF NOT PROVIDED:
The medical mission will continue to be impeded by obsolete and inadequate facilities that jeopardize healthcare for the region. The lack of a fire suppression system (sprinklers) in an inpatient facility and insufficient floor to floor height to accommodate modern surgical practices and equipment places patient and staff safety at risk and jeopardizes the hospital's accreditation.

ADDITIONAL:
This project supports the European Infrastructure Consolidation. This multi-phase project will ultimately replace the current main hospital inpatient facility and modernize the ambulatory care portions of the Lakenheath medical campus. This submission is supported by an economic analysis. The site is not within a 100 year flood plain.

JOINT USE CERTIFICATION:
The Chief, Defense Health Agency, Facilities Enterprise has reviewed this project for joint use potential. Joint use construction is recommended.

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1. Supplemental Data:

A. Estimated Execution Data

(1) Acquisition Strategy:	Design Build
(2) Design Data:	
(a) Request for Proposal (RFP) Started:	AUG/2018
(b) Percent of Design Completed as of Jan 2021:	35%
(c) Request for Proposal Complete:	AUG/2021
(d) Total Design Cost ($000):	964
(e) Energy Studies and/or Life Cycle Analysis Performed:	No
(f) Standard or definitive design used:	No
(3) Construction Data:	
(a) Contract Award:	JUN/2022
(b) Construction Start:	JUL/2023
(c) Construction Complete:	MAR/2026
(4) Facility Condition Index:	44

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Expense	OM	2022	401
Expense	OM	Future Request	983
Investment	OP	Future Request	156

Chief, Design, Construction & Activation Office:
Phone Number: 703-275-6077

Defense Logistics Agency
FY 2022 Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
Japan				
Kadena Air Base				
Truck Unload Facilities	-	22,300	C	47
Operations Support Facility	24,000	24,000	C	50
Misawa Air Base				
Additive Injection Pump and Storage System	6,000	6,000	C	54
Marine Corps Air Station, Iwakuni				
Fuel Pier	-	57,700	C	58
Total	**30,000**	**110,000**		

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEFENSE (DLA)		MAY 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
KADENA AIR BASE, OKINAWA, JAPAN	DEFENSE LOGISTICS AGENCY	2.00

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20170930										0
b. END FY 2022										0

7. INVENTORY DATA *($000)*	
a. TOTAL ACREAGE (acre)	0.00
b. INVENTORY TOTAL AS OF YYYMMDD	0.00
c. AUTHORIZATION NOT YET IN INVENTORY	0.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	46,300.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
f. PLANNED IN NEXT THREE PROGRAM YEARS	0.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	46,300.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
129629	Truck Unload Facilities	8 OL	22,300	FEB 2017	APR 2020
610100	Operations Support Facility	16,594 SF	24,000	MAR 2019	MAY 2021

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

As the host unit at Kadena Air Base, the mission of the 18th Wing is to deliver unmatched combat airpower and a forward-staging base to provide sovereign options that promote peace and stability in the Asia-Pacific region, ensure the common defense of our allies, and enhance the United States' unparalleled global engagement capability. Multiple aircraft utilize the air base including F-15, KC-135, HH-60, E-3, C-130 and RC-135 airframes.

DLA Energy Okinawa provides bulk petroleum support to U.S. military and other Department of Defense agencies on the island of Okinawa. DLA Energy provides effective and efficient support to customers with Class IIIB (logistics forecasting; bulk fuel, which includes gasoline, diesel, and aviation fuel) expertise in operations, maintenance, inventory management, and quality surveillance. DLA Energy receives fuels, conducts extensive testing to ensure the quality of fuels, and distributes the product to Kadena AB and other active military bases across Okinawa.
Deferred sustainment, restoration and modernization for DLA facilities at this location is $ 0.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

1. COMPONENT DEFENSE (DLA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
KADENA AIR BASE, OKINAWA, JAPAN	TRUCK UNLOAD FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0701111S	126926	DESC1911	22,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST
PRIMARY FACILITIES				**$ 11,361**
TRUCK OFFLOAD FACILITY (CC 126926)	OL	8	$ 1,272,250.00	$ 10,178
ELECTRICAL/GENERATOR BUILDING (CC 126926)	SF	820	$ 1,442.68	$ 1,183
SUPPORTING FACILITIES				**$ 8,397**
ADDITIVE INJECTOR SYSTEM	LS			$ 4,859
SITE IMPROVEMENTS	LS			$ 1,981
UTILITIES	LS			$ 1,002
DEMOLITION	LS			$ 555
SUBTOTAL				**$ 19,758**
CONTINGENCY (5.00%)				$ 988
TOTAL CONTRACT COST				**$ 20,746**
SUPERVISION, INSPECTION AND OVERHEAD (SIOH)			6.50%	$ 1,348
ENGINEERING DESIGN DURING CONSTRUCTION				$ 157
TOTAL REQUEST				**$ 22,251**
TOTAL REQUEST (ROUNDED)				$ 22,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				**$ 513**

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a four-position fuel truck offload facility with additive injection system at both Kadena Tank Farm (KTF) and Seido Tank Farm. Each truck offload skid shall have three offload connections to facilitate simultaneous offload of multi-compartment trucks. Each skid will be capable of offloading a commercial tanker truck at a flowrate of 300-gpm for a total of 1200-gpm receipt into bulk storage tanks. Provide skid mounted mechanical equipment including a bulk air eliminator, vertical in-line API 610 pump, temperature compensated flow meter, flow control valves, manual isolation valves, pressure gauges and thermal relief valves and piping. Electrical controls at each offload station shall include self- monitoring ground verification units, flow switches, pump controls, emergency fuel shutoff (EFSO) stations, and instrumentation. The truck offloads include grounding, canopies, lightning protection, containment systems, new underground piping, valves, fittings, cathodic protection, and other supporting appurtenances from the offload facility to the existing manifold and filtration system.

The electrical/generator building includes an adjacent, covered generator with enclosure for both KTF and STF locations. The electrical/generator buildings will house the new backup generator with transfer switches, electrical control systems, communications, switchboards and other supporting electrical and cyber-security equipment at each site. The electrical building will contain emergency eyewash/shower and be outfitted with HVAC, lighting, grounding, lightning protection, fire alarm panels, and utility connections.

1. COMPONENT DEFENSE (DLA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MAY 2021
3. INSTALLATION AND LOCATION KADENA AIR BASE, OKINAWA, JAPAN		4. PROJECT TITLE: TRUCK UNLOAD FACILITIES	
5. PROGRAM ELEMENT 0701111S	6. CATEGORY CODE 126926	7. PROJECT NUMBER DESC1911	8. PROJECT COST ($000) 22,300

Supporting site improvements include all grading, paving, walks, concrete containment, valve pit modifications, emergency eyewash stations, access roadways/pavements, crossover stairs, platforms, fencing, & gates, parking bumpers, bollards, seeding and related site improvements.

Provide an additive injection system to mechanically inject Fuel System Icing Inhibitor (FSll), Corrosion Inhibitor/Lubricity Improver (CI/LI), and Static Dissipater Additive (SDA) to convert Jet A-1 to military specification JP-8 fuel. The system includes steel single-wall, horizontal additive storage tanks with all appurtenances and secondary containment per UFC including DWCF funded automatic tank gauging (ATG) system with the ability to communicate back to the existing ops building. Provide and size injector facilities to meet both pipeline receipt and truck offload receipt maximum and minimum flowrates with a bypass line for receipt of JP-8 fuel not requiring additives. Provide aboveground stainless steel additive supply piping between the additive tanks and the injector with pipe support structures, additive offload pumps for filling of the additive tanks from delivery containers such as iso-tanks, totes or barrels; all pumps, piping, supports, valves, mixers and related injectors and equipment. Provide general spill containment system for the additive offload area. Tank spacing and setbacks shall be in accordance with the requirements of UFC and NFPA.

Utilities work includes site water, fire protection, sanitary, storm drainage, low impact development features, roadway and entrance pavement work, and electrical primary and secondary power, pad mounted transformers, duct banks, emergency fuel shutoff stations, site lighting, grounding, tank gauging communications, cathodic protection, all connections and related work.

Demolition and site preparation include demolition of building 1230 (344 SF) at KTF, demolition and rerouting of underground utilities and storm drainage, pavement and walk demolition, clearing and grading, erosion and sediment control features, UXO surveys, and related work.

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11. REQUIREMENT: 8 Outlets (OL) **ADQT:** 0 OL **SUBSTD:** 8 OL

PROJECT: Truck Unload Facilities (C)

REQUIREMENT: An alternate means to resupply fuel along with the ability to convert Jet A1 fuel to military specification JP-8 fuel. With the DLA Energy procurement initiative to begin purchasing Jet A1, bases will no longer receive military spec JP-8 fuel. The requirement for FSII, CI/LI, and SDA additives is mandatory to support current mission operations for Kadena Air Base.

This project will provide Kadena AB the necessary resiliency by establishing additional transfer nodes to ensure adequate fuel supply in case of emergency pipeline downtime. This project will conform to anti-terrorism/force protection (ATFP) standards, LEED, and Federal Energy Acts compliance criteria for design, development, and construction of the project.

CURRENT SITUATION: Kadena AB receives jet turbine fuel by cross-island pipeline. The Air Base lacks an alternative receipt mode for jet fuel delivery in the event these lines are broken or taken out of service and may be exacerbated during contingency or emergency situations when the number of flights and missions drastically increase.

1. COMPONENT DEFENSE (DLA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
KADENA AIR BASE, OKINAWA, JAPAN	TRUCK UNLOAD FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0701111S	126926	DESC1911	22,300

The bulk truck offload systems described in this document will provide interim / back-up resupply capability with sufficient capacity to replenish average daily requirement and meet contingency operation requirements.

IMPACT IF NOT PROVIDED: Without this project, Kadena AB will lack fuel supply redundancy and will not meet the required resiliency required by UFC and AFI standards. Further there will be reduced capability to support the flying mission in the Pacific and intra-theatre areas of responsibility. The availability of JP-8 in the Pacific region impacts the ability to deliver fuel to the warfighting effort quickly.

ADDITIONAL: The economic analysis supports this initiative to convert Jet A1 to JP-8. Since JP-8 is strictly used by the US DoD, it is more expensive and difficult to procure outside of the continental US. Both cost and availability considerations make the conversion from JP-8 to Jet A1 with additives more economical and efficient for DLA.

12. Supplemental Data:

A. Estimated Execution Data:

(1) Acquisition Strategy:	Design/Bid/Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	FEB 2017
(b) Percent of Design Completed as of January 2021:	100%
(c) Design or RFP Complete:	APR 2020
(d) Total Design Cost ($000):	1,085
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used:	No
(3) Construction Data:	
(a) Contract Award:	JAN 2022
(b) Construction Start:	FEB 2022
(c) Construction Complete:	FEB 2024

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

Equipment Nomenclature	Procuring Appropriation	FY Appropriated of Requested	Cost ($000)
Automatic Tank Gauging	DWCF	2023	513

C. Authorization and Appropriation Summary:

	Authorization ($000)	Auth of Approp ($000)	Approp ($000)
FY 2019 Enacted	21,400	21,400	21,400
Reallocated to 10 USC 2808 projects	------	------	(21,400)
Cost Variation	900	------	------
FY 2022 Request	0	22,300	22,300
Total	22,300		22,300

Point of Contact is DLA Civil Engineer at 571-767-0631

1. COMPONENT DEFENSE (DLA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
CHIBANA COMPOUND KADENA AIR BASE, OKINAWA, JAPAN	OPERATIONS SUPPORT FACILITIY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702976S	121111	DESC21E1	24,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST
PRIMARY FACILITIES				**$ 17,197**
PETROLEUM OPERATIONS SUPPORT FACILITY (CC 121111)	SF	16,594	$ 930.22	$ 15,436
GUARD GATE BUILDING (CC 730839)	SF	200	$ 4,330.00	$ 866
SPECIAL COSTS	LS			$ 895
				$ -
SUPPORTING FACILITIES				**$ 4,057**
SITE ELECTRICAL UTILITIES	LS			$ 1,163
DEMOLITION	LS			$ 1,119
SITE IMPROVEMENTS	LS			$ 971
SITE PREPARATION	LS			$ 415
SITE CIVIL WORK	LS			$ 389
SUBTOTAL				**$ 21,254**
CONTINGENCY (5.00%)				$ 1,063
TOTAL CONTRACT COST				**$ 22,317**
SUPERVISION, INSPECTION AND OVERHEAD (SIOH)			6.50%	$ 1,451
ENGINEERING DESIGN DURING CONSTRUCTION				$ 147
TOTAL REQUEST				**$ 23,915**
TOTAL REQUEST (ROUNDED)				$ 24,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				**$ 588**

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a new DLA Energy fuels operations support building to consolidate personnel within the existing Chibana Compound. With the exception of the DLA Energy Technicians Laboratory staff in building 53140, the new building will accommodate the DLA Energy staff of 50 personnel. The facility will provide a 24/7 control room for automated fuel handling equipment, administrative and training spaces, a command suite with SIPRNet space including all security requirements capable of sharing secured information to Host Nation partners. The facility includes emergency backup power to areas operating 24/7. The facility includes conference rooms, kitchen/break room/vending, restrooms, locker rooms, storage spaces and related support spaces. The project includes radon mitigation system, fire sprinklers, fire detection and alarm system, mass communications, electronic security system, plumbing, HVAC, electrical work, telecom and communications work.

The guard gate building includes restroom, plumbing, HVAC systems. A temporary guard house and access control point for use during construction, entry gate upgrades including motorized sliding gates, swing gates, pedestrian gates, fencing, active & passive barriers and emergency backup power are included.

1. COMPONENT DEFENSE (DLA)	FY 2022 MILITARY CONSTRUCTION PROJECT DATA		2. Date MAY 2021
3. INSTALLATION AND LOCATION CHIBANA COMPOUND KADENA AIR BASE, OKINAWA, JAPAN		4. PROJECT TITLE: OPERATIONS SUPPORT FACILITIY	
5. PROGRAM ELEMENT 0702976S	6. CATEGORY CODE 121111	7. PROJECT NUMBER DESC21E1	8. PROJECT COST ($000) 24,000

Special costs include special foundations, information systems, and sustainable features.

Demolition includes removal of existing administrative Buildings 53110 (1,000 SF, BCI 63), 53117 (1,580 SF, BCI 60), 53125 (1,000 SF, BCI 64), and 53115 Wings A, B, C and Control Wing (9,880 SF, BCI 60), existing guard house, and miscellaneous site items and utilities. The work includes removal and disposal of hazardous materials including asbestos, lead based paint, mercury containing lamps and switches.

Electrical work includes site electrical and lighting, and related work.

Site improvements include widening of vehicular access and new pavements, parking for GOV and private vehicles, concrete walks, curb and gutter, landscaping and related work.

Civil site work includes water, fire water, sanitary and storm water systems, and related work.

11. REQUIREMENT: 16,600 SF **ADQT:** 0 SF **SUBSTD:** 21,200 SF

PROJECT: New Operations Support Building at Chibana Compound (C)

REQUIREMENT: Construct a new building to consolidate DLA Energy employees in a single facility to replace existing failing facilities at Chibana Compound in Okinawa Japan. The facility shall comply with antiterrorism force protection, security, current building and seismic codes. The new facility requires a 24/7 automated fuel handling control room, training and support spaces along with SIPR access.

CURRENT SITUATION: DLA Energy assumed management of US Army 505th Quartermaster Battalion facilities and fuels related assets on Okinawa in 2013. The group occupies buildings at the Chibana Compound that were converted from dormitory use over 20 years ago. The buildings have since exceeded their service life and several have structural deficiencies to the extent they were rendered uninhabitable. Several of the buildings have been vacated due to failing of cement roof decks or inadequate structural elements. According to a 2015 Kadena Civil Engineer Group Facility BUILDERS Assessment, all buildings in questions had a Building Condition Index (BCI) of 70 or less indicating the need for significant repairs. Additionally, a 2018 structural field report concluded that Building 53110, 53115 Wing A, and 53117 face imminent failure under either a seismic or high wind event.

Renovations if accomplished would require varying levels of seismic upgrades ranging from significant to extensive (repair by replacement). In addition, the repairs would not provide buildings with the current functionality necessary to support DLA Energy's current or future mission requirements for training space and SIPRNet. Furthermore, the location of many of the existing buildings (including critical facilities/functions) does not provide adequate set back from the secured perimeter to comply with current AT requirements. Additionally the current layout and building spaces are inefficient and non-functional.

IMPACT IF NOT PROVIDED: Without the construction of the new building, DLA Energy will continue to operate in substandard buildings in varying states of disrepair and under threat of imminent failure. Chibana Compound will continue to deteriorate over time and any untimely catastrophic building failures will cause disruptions, mission impact, and substantially increase repair costs. Renovations cost will exceed 75% of

1. COMPONENT DEFENSE (DLA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MAY 2021
3. INSTALLATION AND LOCATION CHIBANA COMPOUND KADENA AIR BASE, OKINAWA, JAPAN		4. PROJECT TITLE: OPERATIONS SUPPORT FACILITIY	
5. PROGRAM ELEMENT 0702976S	6. CATEGORY CODE 121111	7. PROJECT NUMBER DESC21E1	8. PROJECT COST ($000) 24,000

PRV for three of the four facilities. Renovations cannot meet the need for Antiterrorism and Force Protection requirements, SIPRNet, and training space.

12. Supplemental Data:

A. Estimated Execution Data:

(1) Acquisition Strategy:	Design/Bid/Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	MAR 2019
(b) Percent of Design Completed as of January 2021:	65%
(c) Design or RFP Complete:	MAY 2021
(d) Total Design Cost ($000):	232
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used:	No
(3) Construction Data:	
(a) Contract Award:	MAR 2022
(b) Construction Start:	APR 2022
(c) Construction Complete:	MAY 2025

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

Equipment Nomenclature	Procuring Appropriation	FY Appropriated of Requested	Cost ($000)
Fixtures, Furniture & Equipment	DWCF	Future Request	588

Point of Contact is DLA Civil Engineer at 571-767-0631

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEFENSE (DLA)		MAY 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
MISAWA AIR BASE, JAPAN	DEFENSE LOGISTICS AGENCY	2.26

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20170930										0
b. END FY 2022										0

7. INVENTORY DATA *($000)*	
a. TOTAL ACREAGE (acre)	0.00
b. INVENTORY TOTAL AS OF YYYMMDD	0.00
c. AUTHORIZATION NOT YET IN INVENTORY	0.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	6,000.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	0.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	6,000.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
124128	Additive Injection Pump and Storage System	1 EA	6,000	AUG 2019	APR 2021

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

The mission of the 35th Fighter Wing is to "provide worldwide deployable forces, protect U.S. interests in the Pacific and defend Japan with sustained forward presence and focused mission support." The wing operates and maintains two squadrons of F-16CM (C and D models) Block 50 Fighting Falcons. The pilots of the 13th and 14th Fighter Squadrons conduct daily flight training including air-to-air tactics over water and air-to-ground weapons delivery at Draughon Range. In addition to daily air combat training, the 35th Fighter Wing holds quarterly operational readiness exercises, which keep Misawa Airmen ready to execute their mission at home or abroad. The wing maintains readiness with participation in Pacific Air Forces (PACAF) sponsored exercise like RED FLAG-Alaska and DISTANT FRONTIER and participates in joint and bilateral exercises such as COPE NORTH and KEEN SWORD to maintain combat readiness of U.S. and allied forces.

Deferred sustainment, restoration and modernization for DLA facilities at this location is $ 0.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

DD form 1390, JUL 1999

1. COMPONENT DEFENSE (DLA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
MISAWA AIR BASE, JAPAN	ADDITIVE INJECTION PUMP AND STORAGE SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0701111S	125977	DESC20UX	6,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST
PRIMARY FACILITIES				**$ 3,919**
ADDITIVE INJECTION PUMP AND STORAGE SYSTEM (CC 125977)	EA	1	$ 2,776,000	$ 2,776
BUILDING ADDITION & MODIFICATION (CC 121124)	SF	98	$ 7,755	$ 760
SUSTAINMENT AND CYBERSECURITY MEASURES	LS	200	$ 1,915.00	$ 383
				$ -
SUPPORTING FACILITIES				**$ 1,254**
SITE IMPROVEMENTS	LS			$ 437
ELECTRICAL UTILITIES	LS			$ 398
SITE PREPARATION	LS			$ 238
MECHANICAL UTILITIES	LS			$ 181
SUBTOTAL				**$ 5,173**
CONTINGENCY (5.00%)				$ 259
TOTAL CONTRACT COST				**$ 5,432**
SUPERVISION, INSPECTION AND OVERHEAD (SIOH)			6.50%	$ 353
ENGINEERING DESIGN DURING CONSTRUCTION				$ 168
TOTAL REQUEST				**$ 5,953**
TOTAL REQUEST (ROUNDED)				$ 6,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				**$ 225**

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct storage tanks and modify existing filter building to accommodate pump and mixing tanks to allow injection of fuel additives to convert Jet A-1 type fuel to military specification JP-8 fuel.

The additive injection system includes two 15,000-gallon Fuel System Icing Inhibitor (FSll) storage tanks, one 550-gallon Corrosion Inhibitor/Lubricity Improver (CI/LI) storage tank and one 75-gallon Static Dissipater Additive (SDA) storage tank. The storage tanks will be above ground, double-wall stainless steel tanks on concrete pads. The system also includes transfer pumps, injectors and mixing tanks located within an existing filter building and stainless steel piping that will convey additives from the additive storage tanks to the mixing tanks along with return lines to storage. Provide Automatic Tank Gauging (ATG) system for the tanks.

Provide an addition to the existing Fuel Filter Building 1150 to house electrical equipment and a fire protection sprinkler riser. Modify equipment layout in the existing building to accommodate new mixing tanks, two hydraulic injectors, piping, containment curbing, new doors, a heated emergency eyewash and shower and new sprinkler system. Provide new and modify existing piping to allow additive injection when receiving fuel from either the truck offload facility or from the Hachinohe pipeline. Provide lightning protection for the building addition.

1. COMPONENT DEFENSE (DLA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MAY 2021
3. INSTALLATION AND LOCATION MISAWA AIR BASE, JAPAN		4. PROJECT TITLE: ADDITIVE INJECTION PUMP AND STORAGE SYSTEM	
5. PROGRAM ELEMENT 0701111S	6. CATEGORY CODE 125977	7. PROJECT NUMBER DESC20UX	8. PROJECT COST ($000) 6,000

SUPPORTING FACILITIES:
Site improvements include a truck offload pad, containment curbs, a remote spill containment basin, additive transfer equipment pad, asphalt-concrete roadways, pavements and landscaping.

Electrical utilities include primary electrical power distribution, secondary power distribution, transformers, exterior area lighting, grounding, and telecommunications distribution.

Site preparation includes clearing and grubbing, earthwork, and site demolition. Mechanical utilities include a new water line to the fire protection sprinkler system, a tempered water service lateral connection for the emergency eyewash and shower at Building 1150, and a wash water holding tank for drainage from the eyewash and shower.

Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.

11. REQUIREMENT: 1 EA **ADQT:** 0 EA **SUBSTD:** 00,000 EA

PROJECT: Construct outdoor additive storage tanks on concrete pad and make modifications to Building 1150 to accommodate pumps, mixers and mixing tanks to modify fuel for military jet use (C)

REQUIREMENT: An Additive Injection System is required to provide the Base with the capability to receive commercial Jet A-1 in compliance with new Defense Logistics Agency (DLA) Energy fuel acquisition strategy. This strategy allows the purchase of the more common and commercially available Jet A-1 aviation fuel. To meet military specifications for JP-8, Jet A-1 must be additized with correct ratios of FSll, Cl/LI, and SDA. The system must have adequate on-site storage capacity for each additive based on the fuel throughput at the installation.

CURRENT SITUATION: Misawa Air Base is supported by off-site fuel storage at DFSP Hachinohe. Fuel is pumped from the fuel terminal to the base via two 4-inch pipelines at a flow rate of approximately 330 gallons per minute (gpm). The pipeline enters Tank Farm 2 where it is piped through receipt filtration in Building 1150 and then distributed to the bulk fuel storage tanks. The secondary mode of fuel receipt is from a truck receipt station at Tank Farm 2. The truck receipt header is piped to the receipt Filter Building 1150 prior to filling tanks, making Filter Building 1150 the ideal location for additive injection.

IMPACT IF NOT PROVIDED: DLA Energy has initiated a fuel acquisition conversion for the Pacific region to switch from purchasing JP-8 fuel directly from the in-country refineries to the more common and commercially available Jet A-1 aviation fuel. This fuel acquisition initiative will require the end user bases to add the required additives to the Jet A-1 at receipt points to meet the JP-8 fuel military specifications. Without the additive injection system Misawa Air Base will be unable to support current mission operations.

ADDITIONAL: Sustainable engineering principles will be integrated into the design, development, and construction of the project in accordance with the Energy Policy Act 2005, Executive Orders, Unified Facilities Criteria, and other applicable laws. The project will comply with all applicable DoD and

1. COMPONENT DEFENSE (DLA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MAY 2021
3. INSTALLATION AND LOCATION MISAWA AIR BASE, JAPAN		4. PROJECT TITLE: ADDITIVE INJECTION PUMP AND STORAGE SYSTEM	
5. PROGRAM ELEMENT 0701111S	6. CATEGORY CODE 125977	7. PROJECT NUMBER DESC20UX	8. PROJECT COST ($000) 6,000

commercial criteria and the Japan Environmental Governing Standards. The project will comply with Air Force and DLA requirements for control systems and utility networking planning and design requirements for the Authority to Operate (ATO) process. The Headquarters U.S. Forces Japan, Sub-Area Petroleum Officer has advocated and validated the project's requirement.

12. Supplemental Data:

A. Estimated Execution Data:

(1) Acquisition Strategy:	Design/Bid/Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	AUG 2019
(b) Percent of Design Completed as of January 2021:	65%
(c) Design or RFP Complete:	APR 2021
(d) Total Design Cost ($000):	1,583
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Standard or definitive design used:	No
(3) Construction Data:	
(a) Contract Award:	JAN 2022
(b) Construction Start:	FEB 2022
(c) Construction Complete:	MAY 2023

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

Equipment Nomenclature	Procuring Appropriation	FY Appropriated of Requested	Cost ($000)
Automatic Tank Gauging System	DWCF	2022	225

Point of Contact is DLA Civil Engineer at 571-767-0631

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEFENSE (DLA)		MAY 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
MARINE CORPS AIR STATION, IWAKUNI, JAPAN	DEFENSE LOGISTICS AGENCY	2.23

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20170930										0
b. END FY 2022										0

7. INVENTORY DATA *($000)*	
a. TOTAL ACREAGE (acre)	0.00
b. INVENTORY TOTAL AS OF YYYMMDD	0.00
c. AUTHORIZATION NOT YET IN INVENTORY	0.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	57,700.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
f. PLANNED IN NEXT THREE PROGRAM YEARS	
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	57,700.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
151	FUEL PIER	600 SY	57,700	MAY 2017	AUG 2018

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

Marine Corps Air Station Iwakuni is primarily an F/A-18 pilot training and air patrol station. Other types of aircraft also frequent the base and together support security obligation to protect Japan and project power throughout the Pacific. These fuel facilities provide essential storage and distribution systems to support the missions of assigned units and transient aircraft at MCAS Iwakuni, Japan.

These fuel facilities provide essential storage and distribution systems to support the missions of assigned units and transient aircraft at MCAS Iwakuni, Japan.

Deferred sustainment, restoration and modernization for DLA facilities at this location is $ 0.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

1. COMPONENT DEFENSE (DLA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, IWAKUNI, JAPAN	4. PROJECT TITLE: FUEL PIER	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0701111S	15140	DESC1903	57,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST
PRIMARY FACILITIES				**$ 48,531**
OFFLOADING PLATFORM (CC 15140)	SY	600	$ 49,302	$ 29,581
BREASTING & MOORING DOLPHINS (CC 16310)	EA	6	$ 2,499,500	$ 14,997
CONTROL BUILDING (CC 89009)	SF	210	$ 4,267	$ 896
SPECIAL COSTS	LS	0	$ -	$ 3,057
				$ -
SUPPORTING FACILITIES				**$ 3,049**
SITE IMPROVEMENTS	LS			$ 1,546
ELECTRICAL & COMMUNICATIONS	LS			$ 921
MECHANICAL PIPING & UTILITIES	LS			$ 566
DEMOLITION	LS			$ 16
SUBTOTAL				**$ 51,580**
CONTINGENCY (5.00%)				$ 2,579
TOTAL CONTRACT COST				**$ 54,159**
SUPERVISION, INSPECTION AND OVERHEAD (SIOH)			6.50%	$ 3,520
ENGINEERING DESIGN DURING CONSTRUCTION				$ -
TOTAL REQUEST				**$ 57,679**
TOTAL REQUEST (ROUNDED)				**$ 57,700**
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				**$ 415**

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Construct a pile supported concrete offload fuel platform to accommodate medium sized (235 MBBL) tankers. The offload platform will be equipped with fuel piping, four marine arms, stripping pumps, containment curbs, lighting, water and foam fire protection system with standpipes, foam hose reels, hose cabinets, manual and remote controlled foam monitors. All fuel piping, valves and equipment with supports will be included.

The project includes two berthing dolphins and four mooring dolphins. The dolphins will consist of coated steel piles supporting a concrete cap with a deepened fascia for mounting the fenders and vessel fender system. The dolphins will include an upper level cap or platform with room for access walkways, ladders, and mooring bollards.

The control building will house electrical controls for a fuel pier control system and offload monitoring, storage and mechanical/electrical spaces, hose bibs, telecomm cabinet, transformer, alarms & annunciator, lighting protection, emergency shutoffs, and related improvements.

Special costs include dredging.

1. COMPONENT DEFENSE (DLA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MAY 2021
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, IWAKUNI, JAPAN		4. PROJECT TITLE: FUEL PIER	
5. PROGRAM ELEMENT 0701111S	6. CATEGORY CODE 15140	7. PROJECT NUMBER DESC1903	8. PROJECT COST ($000) 57,700

Site improvements include emergency eyewash and shower, bollards, ladders, stairs, light pole foundations, stairs, walkways & gangways for access from platform to breasting dolphins, pipe bridges and related items.

Mechanical work includes expansion loops for firewater and foam supply pipes, water piping, valves, drains, pipe supports and related mechanical items.

Electrical work includes all grounding, conduits, handholes, primary power, transformers, telecom, site lighting, and cameras to remotely monitor the offload platform.

Demolition includes removal of pavements, guardrails, piping, and related work.

11. REQUIREMENT: 600 SQUARE YARD (SY) **ADQT:** 0 SY **SUBSTD:** 0 SY

PROJECT: Construct fuel offloading pier. (C)

REQUIREMENT: MCAS Iwakuni has a bulk fuel storage facility with JP-5 storage capacity of 310 MBBLs. The mission of MCAS Iwakuni includes support of operations, maintenance, and supply of tenant units and ships. Additional jet fuel storage capacity is needed at this location to support strategic en-route refueling operations, strategic airlift, and force projection in the Pacific. Bulk tanks will store reserve jet fuel required to sustain contingency operations, pending resupply by tanker ships. This project complements the addition of 400 MBBL storing capacity by other DLA projects and one 100 MBBL tank that will be built by the Government of Japan under the DPRI program. This project will permit the unloading of medium size (235 MBBL) tankers allowing more economical fuel resupply while reducing the number of resupply cycles that support the Air Station's requirements.

CURRENT SITUATION: The present fuel pier is limited to T-1 tankers and/or small intercoastal barges with capacity of around 500,000 gallons. Overall quantities of JP-5 from commercial sources are limited and impact operational requirements. With new storage currently being constructed under companion DLA projects, resupply by T-1 tankers will continue to be limited by both capacity and availability of T-1 tankers in the Pacific/Worldwide markets. Contingency operations are not sustainable without this added capability.

IMPACT IF NOT PROVIDED: MCAS Iwakuni will continue to function with the current T-1 tanker/intercoastal barge limitations that fail to meet full resupply capability to maintain contingency operational requirements.

ADDITIONAL: The co-sponsored DESC/PACOM Storage and Distribution Business Case Analysis recommended reconfiguring/modifying the current fuel pier to accept medium size tankers, as well as retaining the capability for T-1 tankers and intercoastal barges for flexibility in scheduling strategic petroleum resupply. The capability for offloading medium size tankers will mitigate the Pacific/Worldwide availability shortage of T-1 tankers, as well as reducing the frequency of resupply. Since the existing pier has limited capacity, construction of a new pier is the only feasible alternative to satisfy the requirement. Because this project increases operational capabilities, and hence offensive capability, it does not qualify for funding by the Japanese Facilities Improvement Program (JFIP). This project meets all applicable DoD criteria. Host Nation funding was sought for this project but denied.

1. COMPONENT DEFENSE (DLA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MAY 2021
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, IWAKUNI, JAPAN		4. PROJECT TITLE: FUEL PIER	
5. PROGRAM ELEMENT 0701111S	6. CATEGORY CODE 15140	7. PROJECT NUMBER DESC1903	8. PROJECT COST ($000) 57,700

12. Supplemental Data:

A. Estimated Execution Data:

(1) Acquisition Strategy:	Design/Bid/Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	FEB 2017
(b) Percent of Design Completed as of January 2021:	100%
(c) Design or RFP Complete:	AUG 2018
(d) Total Design Cost ($000):	1,200
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Standard or definitive design used:	No
(3) Construction Data:	
(a) Contract Award:	FEB 2022
(b) Construction Start:	MAR 2022
(c) Construction Complete:	MAR 2025

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

Equipment Nomenclature	Procuring Appropriation	FY Appropriated of Requested	Cost ($000)
OIL SPILL BOOM & REEL	DWCF	Future Request	275
SPILL RESPONSE EQUIPMENT	DWCF	Future Request	55
CCTV	DWCF	Future Request	8
HOSE REELS & HOSE CABINETS	DWCF	Future Reqiest	77

C. Authorization and Appropriation Summary:

	Authorization ($000)	Auth of Approp ($000)	Approp ($000)
FY 2019 Enacted	33,200	33,200	33,200
Reallocated to 10 USC 2808 projects	------	------	(33,200)
Cost Variation	24,500	------	------
FY 2022 Request	0	57,700	57,700
Total	57,700		57,700

Point of Contact is DLA Civil Engineer at 571-767-0631

DOD Education Activity
FY 2022 Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
Puerto Rico				
USCG Punta Borinquen				
Ramey Unit School Replacement	-	84,000	C	63
Belgium				
Chievres Air Base				
Europe West District Superintendent's Office	-	15,000	C	68
Germany				
Ramstein Air Base				
Ramstein Middle School	93,000	93,000	C	72
Total	**93,000**	**192,000**		

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEF (DoDEA)		May 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
USCG STATION; PUNTA BORINQUEN, PUERTO RICO	DoDEA	1.12

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 30 SEP 2020						411				411
b. END FY 2025						450				450

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	0
b. INVENTORY TOTAL AS OF YYYMMDD	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	84,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	84,000

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
73046	RAMEY UNIT SCHOOL REPLACEMENT	127,000 SF	84,000	FEB 2016	SEP 2021

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

Military Dependent Education

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

DD FORM 1390, JUL 1999

1. COMPONENT DEF (DoDEA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date May 2021

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
USCG STATION; PUNTA BORINQUEN, PUERTO RICO	RAMEY UNIT SCHOOL REPLACEMENT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	73046	AM00049	84,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST
PRIMARY FACILITIES				**52,705**
RAMEY UNIT SCHOOL (73046)	SF	127,000	$ 402.01	(51,055)
SDD AND FEDERAL ENERGY ACTS COMPLIANCE	LS			(900)
CYBERSECURITY MEASURES	LS			(750)
SUPPORTING FACILITIES				**22,198**
ELECTRICAL/GAS UTILITIES	LS			(1,578)
COMMUNICATION UTILITIES	LS			(177)
WATER/SEWER UTILITIES	LS			(1,298)
SITE PREPARATION	LS			(1,693)
SITE IMPROVEMENTS	LS			(7,512)
DEMOLITION	LS			(9,940)
SUBTOTAL				**74,903**
CONTINGENCY (5.00%)				3,745
TOTAL CONTRACT COST				**78,648**
SUPERVISION, INSPECTION AND OVERHEAD (SIOH) (6.5%)				5,112
ENGINEERING DURING CONSTRUCTION				274
TOTAL REQUEST				**84,034**
TOTAL REQUEST (ROUNDED)				**84,000**
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				3,331

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a new multi-story unit school (PK-12) with functional areas containing neighborhood instructional spaces, special education spaces, staff collaboration spaces, commons area, performance space, information center, gymnasium, art room, music suite, science labs, career technical education labs, administrative suite, health suite, guidance counseling suite, special education suite, food service, maintenance support, central storage area, technology service center, field house, and other required areas for a fully functioning unit school. The project is in a high wind and high humidity area and will be designed to meet appropriate codes and standards. The project is in a seismic zone and will require special construction features to meet the seismic design requirements.

Department of Defense (DoD) and Department of Defense Education Activity (DoDEA) principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders.

Facilities will be designed to provide cyber security engineering and validation as specified in DoD Unified Facilities Criteria.

Electrical utilities include relocation of overhead lines to underground where the existing lines interfere with construction of the school. A transfer switch will be utilized to manage power from two separate utility circuits during partial outages. An emergency generator is required to provide a back-up power source for life-safety, information technology, and other critical systems during power outages.

1. COMPONENT DEF (DoDEA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date May 2021
3. INSTALLATION AND LOCATION USCG STATION; PUNTA BORINQUEN, PUERTO RICO		4. PROJECT TITLE: RAMEY UNIT SCHOOL REPLACEMENT	
5. PROGRAM ELEMENT	6. CATEGORY CODE 73046	7. PROJECT NUMBER AM00049	8. PROJECT COST ($000) 84,000

Communication utilities include inside plant and outside plant infrastructure required for both wired and wireless capabilities within the facility.

Water/sewer utilities include both potable and non-potable water distribution and gravity sewer systems. A looped water system will assist in maintaining adequate pressures and flows.

Site preparation includes work such as clearing and grubbing, erosion and sediment control, construction fencing, establishing haul routes and contractor material laydown. A temporary access gate, roadway, staff parking and bus parking will be provided to facilitate operation of the existing school during construction.

Site improvements include work such as signage, fencing, paving, landscaping, exterior lighting, sidewalks, external Anti-Terrorism/Force Protection features, storm water management, covered walkways, athletic fields, playgrounds, and play areas. This project will also require two access control points, each consisting of a guard house, canopy, automated drop arm and automated entry gate. Low Impact Development will be included in the design and construction of this project as appropriate.

Demolition includes approximately 123,000sf of existing facilities. Asbestos containing materials and lead based paint are present in the existing facilities. Hazardous material mitigation will be required for the buildings to be demolished.

Facilities will be designed in accordance with DoDEA Education Facilities Specifications, DoD Unified Facilities Criteria and other applicable codes.

Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facilities Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.

11. REQUIREMENT: 127,000 SF ADQT: 000,000 SF SUBSTD: 123,000 SF

PROJECT:

This project constructs a new unit school by replacing the existing unit school and associated support facilities.

REQUIREMENT:

The unit school is required to provide adequate academic facilities for 450 students in grades PK – 12. School population is based on the projected enrollment for 2025/2026 school year.

This project is not sited in a 100-year flood plain.

CURRENT SITUATION:

The current Ramey Unit School was constructed in 1969. Minor additions include a new guard house which was constructed in 2001 and a cart storage building completed in 2009. The facility is in poor condition. The following systems are expired or are failing; branch circuits, electrical service distribution, exterior doors, exterior windows, fire alarm system, air conditioning equipment, distribution, hydronic system, intercom system, PA system, LAN, lighting, roof coverings, wall finishes, casework, ceiling finishes, exit lights, exterior finishes, floor finishes, plumbing fixtures & piping, security system, elevator and toilet partitions. The current Ramey Unit School and the proposed site for the new school are located on Department of Homeland Security land that is permitted at no cost to the Department of the Army; the permit allows for the provision of school facilities for an educational program run by DoDEA. The school

1. COMPONENT DEF (DoDEA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date May 2021

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
USCG STATION; PUNTA BORINQUEN, PUERTO RICO	RAMEY UNIT SCHOOL REPLACEMENT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	73046	AM00049	84,000

supports a student population mixture from the Department of Defense, the Department of Homeland Security and other federal agencies.

IMPACT IF NOT PROVIDED:

If a new facility is not provided, the substandard environment will continue to hamper the educational process and the existing unit school will not be able to support the DoDEA curriculum and provide a safe facility for education. The substandard conditions and the required maintenance and repair of expired and failing systems will continue to strain maintenance capabilities and budgets. The continued use of substandard facilities will have a negative impact on the existing and incoming students and the learning environment.

JOINT USE CERTIFICATION:

This facility can be used by other components on an "as available" basis; however, the scope of the project is based on DoDEA requirements.

12. Supplemental Data:

A. Estimated Execution Data:

(1) Acquisition Strategy:	Design/Bid/Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	FEB 2016
(b) Percent of Design Completed as of January 2021:	90%
(c) Design or RFP Complete:	SEP 2021
(d) Total Design Cost:	8,400
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used:	No
(3) Construction Data:	
(a) Contract Award:	FEB 2022
(b) Construction Start:	MAR 2022
(c) Construction Complete:	MAR 2025

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

Equipment Nomenclature	Procuring Appropriation	FY Appropriated of Requested	Cost ($000)
Furnishings	O&M	Future Request	518
Kitchen	O&M	Future Request	338
IT	O&M	Future Request	1,183
Education Supplies	O&M	Future Request	1,231
Safety Equipment	O&M	Future Request	10
Security Equipment	O&M	Future Request	51

1. COMPONENT DEF (DoDEA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date May 2021
3. INSTALLATION AND LOCATION USCG STATION; PUNTA BORINQUEN, PUERTO RICO		4. PROJECT TITLE: RAMEY UNIT SCHOOL REPLACEMENT	
5. PROGRAM ELEMENT	6. CATEGORY CODE 73046	7. PROJECT NUMBER AM00049	8. PROJECT COST ($000) 84,000

C. Authorization and Appropriation Summary:

	Authorization ($000)	Auth of Approp ($000)	Approp ($000)
FY 2018 Enacted	61,071	61,071	61,071
Reallocated to 10 USC 2808 projects	------	------	(61,071)
Cost Variation	22,929	------	------
FY 2022 Request	0	84,000	84,000
Total	84,000		84,000

DoDEA POC (571) 372-1405

DD FORM 1391, JUL 1999

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEF (DoDEA)		May 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
US ARMY GARRISON BENELUX, CHIEVRES, BELGIUM	DoDEA	0.98

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 30 SEP 2020			47							47
b. END FY 2024			47							47

7. INVENTORY DATA *($000)*	
a. TOTAL ACREAGE (acre)	0
b. INVENTORY TOTAL AS OF YYYMMDD	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	15,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	15,000

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
61050	Europe West District Superintendent's Office	19,600 SF	15,000	OCT 2017	JAN 2021

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

Military Dependent Education

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

DD FORM 1390, JUL 1999

1. COMPONENT DEF (DoDEA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date May 2021

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
US ARMY GARRISON BENELUX, CHIEVRES, BELGIUM	EUROPE WEST DISTRICT SUPERINTENDENT'S OFFICE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	61050	EU00174	15,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST
PRIMARY FACILITIES				**10,151**
DISTRICT SUPERINTENT'S OFFICE (61050)	SF	19,600	467.40	(9,161)
SDD AND FEDERAL ENERGY ACTS COMPLIANCE	LS			(240)
CYBERSECURITY MEASURES	LS			(750)
SUPPORTING FACILITIES				**2,999**
ELECTRICAL/GAS UTILITIES	LS			(382)
COMMUNICATION UTILITIES	LS			(324)
WATER/SEWER UTILITIES	LS			(254)
SITE IMPROVEMENTS	LS			(2,039)
SUBTOTAL				**13,150**
CONTINGENCY (5.00%)				658
TOTAL CONTRACT COST				**13,808**
SUPERVISION, INSPECTION AND OVERHEAD (SIOH) (6.5%)				898
ENGINEERING DURING CONSTRUCTION				109
TOTAL REQUEST				**14,815**
TOTAL REQUEST (ROUNDED)				**15,000**
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				860

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a district superintendent's office (DSO) with functional areas containing open and closed office spaces, work areas, conference rooms, training rooms, storage areas, and other required areas for a fully functioning district superintendent's office.

Department of Defense (DoD) and Department of Defense Education Activity (DoDEA) principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders.

Facilities will be designed to provide cyber security engineering and validation as specified in DoD Unified Facilities Criteria.

Electrical utilities include connection to base infrastructure and internal electrical distribution systems to support equipment such as mechanical, life/safety, access control, lighting, and audio/visual systems.

Communication utilities include inside plant and outside plant infrastructure required for both wired and wireless capabilities within the facility.

Water/sewer utilities include both potable and non-potable water distribution and gravity sewer systems.

Site improvements include site preparation and site work such as signage, fencing, paving, landscaping, exterior lighting, external Anti-Terrorism/Force Protection features, storm water management, and covered walkways as needed. Low Impact Development will be included in the design and construction of this project as appropriate.

1. COMPONENT DEF (DoDEA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date May 2021

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
US ARMY GARRISON BENELUX, CHIEVRES, BELGIUM	EUROPE WEST DISTRICT SUPERINTENDENT'S OFFICE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	61050	EU00174	15,000

Facilities will be designed in accordance with DoDEA guidelines, DoD Unified Facilities Criteria and other applicable codes.

Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facilities Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.

11. REQUIREMENT: 19,600 SF ADQT: 000,000 SF SUBSTD: 18,066 SF

PROJECT:

This project constructs a District Superintendent's Office by replacing the existing District Superintendent's Office and associated support facilities.

REQUIREMENT:

The new District Superintendent's Office provides administrative space for approximately 50 staff in the DoDEA-Europe West School District which oversees school operations across the United Kingdom, Belgium, and the Netherlands.

This project is not sited in a 100-year flood plain.

CURRENT SITUATION:

The current District Superintendent's Office is located in a facility leased by U.S. Army Garrison Belgium/ Netherlands/Luxemburg (BENELUX) which is scheduled to be divested based on the European Infrastructure Consolidation analysis.

IMPACT IF NOT PROVIDED:

Due to the divestiture of the existing site, DoDEA will be required to enter into a new leasing agreement and/or provide temporary facilities on a new site.

JOINT USE CERTIFICATION:

This facility can be used by other components on an "as available" basis; however, the scope of the project is based on DoDEA requirements.

12. Supplemental Data:

A. Estimated Execution Data:

(1) Acquisition Strategy:	Design/Bid/Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	OCT 2017
(b) Percent of Design Completed as of January 2021:	100%
(c) Design or RFP Complete:	JAN 2021
(d) Total Design Cost:	1,500
(e) Energy Study and/or Life Cycle Analysis performed:	Yes

1. COMPONENT DEF (DoDEA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date May 2021

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
US ARMY GARRISON BENELUX, CHIEVRES, BELGIUM	EUROPE WEST DISTRICT SUPERINTENDENT'S OFFICE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	61050	EU00174	15,000

(f) Standard or definitive design used: No

(3) Construction Data:

(a) Contract Award: FEB 2022

(b) Construction Start: MAR 2022

(c) Construction Complete: MAY 2024

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

Equipment Nomenclature	Procuring Appropriation	FY Appropriated of Requested	Cost ($000)
Furnishings	O&M	Future Request	500
IT	O&M	Future Request	300
Safety Equipment	O&M	Future Request	10
Security Equipment	O&M	Future Request	50

C. Authorization and Appropriation Summary:

	Authorization ($000)	Auth of Approp ($000)	Approp ($000)
FY 2019 Enacted	14,305	14,305	14,305
Reallocated to 10 USC 2808 projects	------	------	(14,305)
Cost Variation	695	------	------
FY 2022 Request	0	15,000	15,000
Total	15,000		15,000

DoDEA POC (571) 372-1405

DD FORM 1391, JUL 1999

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEF (DoDEA)		May 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
RAMSTEIN AIR BASE, GERMANY	DoDEA	1.07

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 30 SEP 2020						789				789
b. END FY 2025						920				920

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	0
b. INVENTORY TOTAL AS OF YYYMMDD	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	93,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	93,000

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
730787	RAMSTEIN MIDDLE SCHOOL	205,875 SF	93,000	JUL 2018	JAN 2022

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

Military Dependent Education

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

DD FORM 1390, JUL 1999

1. COMPONENT DEF (DoDEA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date May 2021
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY	4. PROJECT TITLE: RAMSTEIN MIDDLE SCHOOL	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	730787	EU00120	93,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST
PRIMARY FACILITIES				**66,060**
RAMSTEIN MIDDLE SCHOOL (730787)	SF	205,875	303.83	(62,550)
SDD AND FEDERAL ENERGY ACTS COMPLIANCE	LS			(1,180)
ANTITERRORISM (AT/FP) MEASURES	LS			(1,580)
CYBERSECURITY MEASURES	LS			(750)
SUPPORTING FACILITIES				**16,570**
ELECTRICAL/GAS UTILITIES	LS			(1,050)
COMMUNICATION UTILITIES	LS			(150)
WATER/SEWER UTILITIES	LS			(3,500)
SITE PREPARATION	LS			(1,130)
SITE IMPROVEMENTS	LS			(9,770)
ENVIRONMENTAL MITIGATION	LS			(970)
SUBTOTAL				**82,630**
CONTINGENCY (5.00%)				4,132
TOTAL CONTRACT COST				**86,762**
SUPERVISION, INSPECTION AND OVERHEAD (SIOH) (6.5%)				5,640
ENGINEERING DURING CONSTRUCTION				278
TOTAL REQUEST				**92,680**
TOTAL REQUEST (ROUNDED)				**93,000**
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				5,849

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a middle school with functional areas containing neighborhood instructional spaces, special education spaces, staff collaboration spaces, commons area, performance space, information center, gymnasium, art room, music suite, science labs, career technical education labs, administrative suite, health suite, guidance counseling suite, special education suite, food service, maintenance support, central storage area, technology service center, and other required areas for a fully functioning middle school. Construct additional field house storage at the shared athletic fields for the middle school and adjacent high school.

Department of Defense (DoD) and Department of Defense Education Activity (DoDEA) principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders.

Anti-Terrorism/Force Protection (AT/FP) features will comply with AT/FP regulations and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings and the Physical Security & Antiterrorism Design Guide for DoDEA Educational Facilities. The building will be designed to resist progressive collapse in compliance with UFC 4-023-03.

1. COMPONENT DEF (DoDEA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date May 2021
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		4. PROJECT TITLE: RAMSTEIN MIDDLE SCHOOL	
5. PROGRAM ELEMENT	6. CATEGORY CODE 730787	7. PROJECT NUMBER EU00120	8. PROJECT COST ($000) 93,000

Facilities will be designed to provide cyber security engineering and validation as specified in DoD Unified Facilities Criteria.

Electrical utilities include connection to base infrastructure and internal electrical distribution systems to support equipment such as mechanical, life/safety, access control, lighting, and audio/visual systems.

Communication utilities include inside plant and outside plant infrastructure required for both wired and wireless capabilities within the facility.

Water/sewer utilities include both potable and non-potable water distribution. The sanitary sewer system will discharge to the existing main which is pumped from a lift station to the treatment facility. The building will be connected to the district heating network which provides hot water to the entire installation for both heating and potable water.

Site preparation includes work such as clearing and grubbing, erosion and sediment control, construction fencing, establishing haul routes and contractor material laydown.

Site improvements include work such as signage, fencing, paving, landscaping, exterior lighting, sidewalks, external Anti-Terrorism/Force Protection features, storm covered walkways, athletic fields, playgrounds, and play areas. Low Impact Development will be included in the design and construction of this project as appropriate.

Environmental mitigation will be required for activities such as tree cutting, landscape protection, and water law. This work will be done in accordance with appropriate German Laws and Regulations.

Facilities will be designed in accordance with DoDEA Education Facilities Specifications, DoD Unified Facilities Criteria and other applicable codes.

Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facilities Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.

11. REQUIREMENT: 205,875 SF ADQT: 000,000 SF SUBSTD: 000,000 SF

PROJECT:

This project constructs a middle school by replacing the existing middle school and associated support facilities.

REQUIREMENT:

The middle school is required to provide adequate academic facilities for 920 students in grades 6 through 8. School population is based on the projected enrollment for 2025/2026 school year.

This project is not sited in a 100-year flood plain.

CURRENT SITUATION:

The current Ramstein Middle School campus is comprised of permanent and temporary buildings. The main school building was constructed in 1954, with additions/modifications in 1993 and 1998. Given the number of separate buildings and entrances, access control is an issue. The temporary facilities already in use require the students to leave

1. COMPONENT DEF (DoDEA)	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date May 2021
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		4. PROJECT TITLE: RAMSTEIN MIDDLE SCHOOL	
5. PROGRAM ELEMENT	6. CATEGORY CODE 730787	7. PROJECT NUMBER EU00120	8. PROJECT COST ($000) 93,000

the main school and walk to temporary school facilities and were not intended to be a long-term solution. The aging facility has various life safety, accessibility, Anti-Terrorism/Force Protection and sustainability issues that fail to meet current codes and requirements. Asbestos containing materials have been identified in the main structure. Interior finishes are degraded. The mechanical and plumbing systems have equipment that is beyond expected service life, requiring repair/replacement of plumbing components. Ventilation throughout the building is also inadequate. Exterior walls and windows do not meet energy standards and need repair. The existing school is undersized for the current population and does not meet DoDEA's Education Specifications to allow for 21st Century standards for flexible and adaptable learning space.

IMPACT IF NOT PROVIDED:

The substandard conditions and the required maintenance and repair of expired and failing systems will continue to strain maintenance capabilities and budgets. Any growth in enrollment based on known troop movement will require the use of additional temporary facilities. The continued use of substandard facilities will have a negative impact on the existing and incoming students and the learning environment.

JOINT USE CERTIFICATION:

This facility can be used by other components on an "as available" basis; however, the scope of the project is based on DoDEA requirements.

12. Supplemental Data:

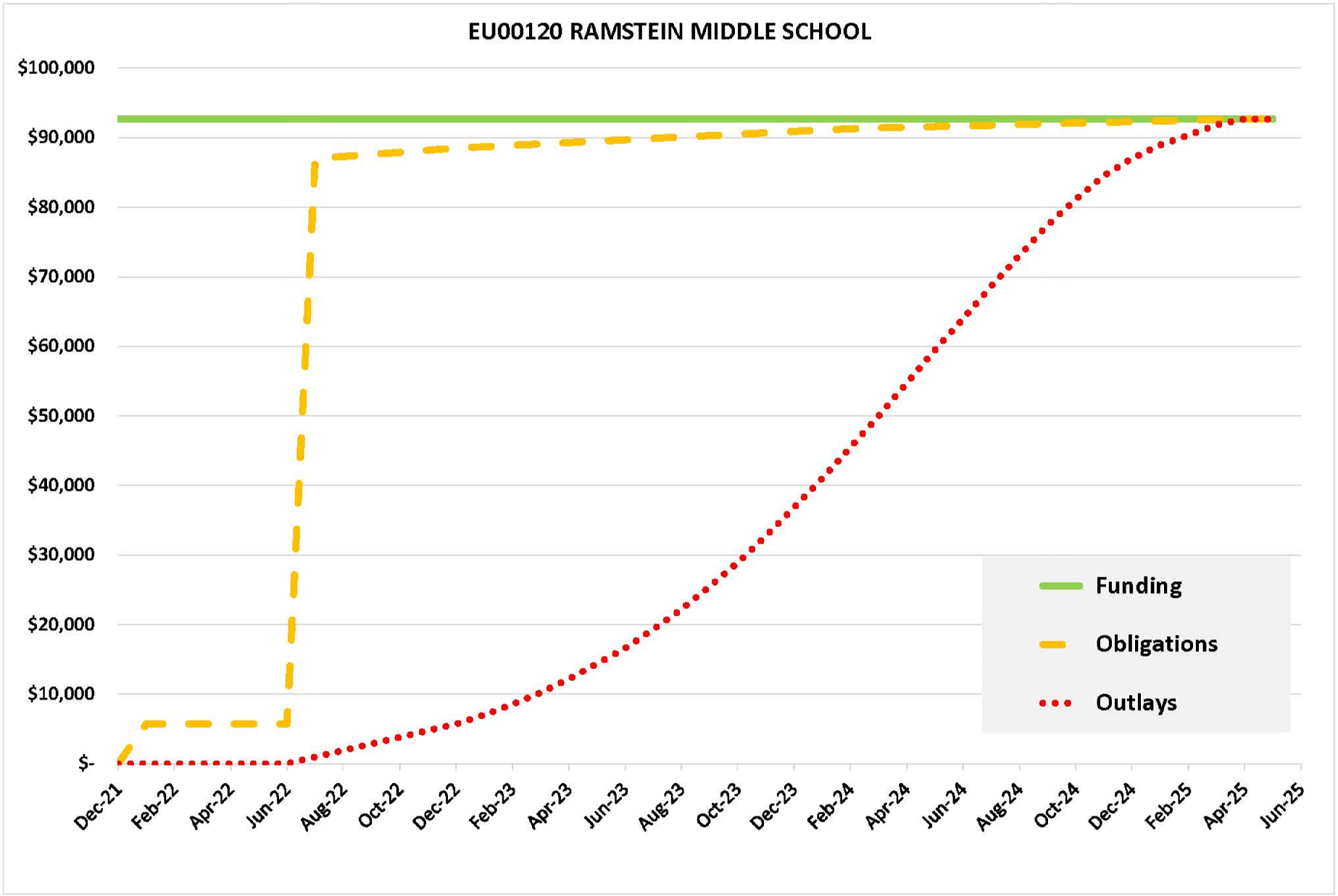
A. Estimated Execution Data:

(1) Acquisition Strategy:	Design/Bid/Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	JUL 2018
(b) Percent of Design Completed as of January 2021:	35%
(c) Design or RFP Complete:	JAN 2022
(d) Total Design Cost:	9,300
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used:	No
(3) Construction Data:	
(a) Contract Award:	JUN 2022
(b) Construction Start:	JUL 2022
(c) Construction Complete:	MAY 2025

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

Equipment Nomenclature	Procuring Appropriation	FY Appropriated of Requested	Cost ($000)
Furnishings	O&M	Future Request	1,058
Kitchen	O&M	Future Request	691
IT	O&M	Future Request	1,770
Education Supplies	O&M	Future Request	2,200
Safety Equipment	O&M	Future Request	25
Security Equipment	O&M	Future Request	105

DoDEA POC (571) 372-1405


EU00120 RAMSTEIN MIDDLE SCHOOL
$100,000
$90,000
$80,000
$70,000
$60,000
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Jun-25
Funding
Obligations
Outlays

PROJECT SPENDING PLAN

Project Name: EU00120 Ramstein Middle School

Date: 6-May-2021

All costs in thousands ($000)

	FUNDING		OBLIGATIONS		OUTLAYS	
Month-Year	Monthly	Cumulative	Monthly	Cumulative	Monthly	Cumulative
Dec-21	$ 92,680	$ 92,680	$ -	$ -	$ -	$ -
Jan-22	$ -	$ 92,680	$ 5,700	$ 5,700	$ -	$ -
Jan-22	$ -	$ 92,680	$ 5,700	$ 5,700	$ -	$ -
Mar-22	$ -	$ 92,680	$ 5,700	$ 5,700	$ -	$ -
Apr-22	$ -	$ 92,680	$ 5,700	$ 5,700	$ -	$ -
May-22	$ -	$ 92,680	$ 5,700	$ 5,700	$ -	$ -
Jun-22	$ -	$ 92,680	$ 5,700	$ 5,700	$ -	$ -
Jul-22	$ -	$ 92,680	$ 86,980	$ 86,980	$ 950	$ 950
Aug-22	$ -	$ 92,680	$ 300	$ 87,280	$ 950	$ 1,900
Sep-22	$ -	$ 92,680	$ 300	$ 87,580	$ 950	$ 2,850
Oct-22	$ -	$ 92,680	$ 300	$ 87,880	$ 950	$ 3,800
Nov-22	$ -	$ 92,680	$ 300	$ 88,180	$ 950	$ 4,750
Dec-22	$ -	$ 92,680	$ 300	$ 88,480	$ 950	$ 5,700
Jan-23	$ -	$ 92,680	$ 200	$ 88,680	$ 1,310	$ 7,010
Feb-23	$ -	$ 92,680	$ 200	$ 88,880	$ 1,530	$ 8,540
Mar-23	$ -	$ 92,680	$ 200	$ 89,080	$ 1,680	$ 10,220
Apr-23	$ -	$ 92,680	$ 200	$ 89,280	$ 1,960	$ 12,180
May-23	$ -	$ 92,680	$ 200	$ 89,480	$ 2,190	$ 14,370
Jun-23	$ -	$ 92,680	$ 200	$ 89,680	$ 2,210	$ 16,580
Jul-23	$ -	$ 92,680	$ 200	$ 89,880	$ 2,720	$ 19,300
Aug-23	$ -	$ 92,680	$ 200	$ 90,080	$ 2,890	$ 22,190
Sep-23	$ -	$ 92,680	$ 200	$ 90,280	$ 3,280	$ 25,470
Oct-23	$ -	$ 92,680	$ 200	$ 90,480	$ 3,440	$ 28,910
Nov-23	$ -	$ 92,680	$ 200	$ 90,680	$ 3,830	$ 32,740
Dec-23	$ -	$ 92,680	$ 200	$ 90,880	$ 4,090	$ 36,830
Jan-24	$ -	$ 92,680	$ 200	$ 91,080	$ 4,150	$ 40,980
Feb-24	$ -	$ 92,680	$ 200	$ 91,280	$ 4,490	$ 45,470
Mar-24	$ -	$ 92,680	$ 100	$ 91,380	$ 4,480	$ 49,950
Apr-24	$ -	$ 92,680	$ 100	$ 91,480	$ 4,740	$ 54,690
May-24	$ -	$ 92,680	$ 100	$ 91,580	$ 4,780	$ 59,470
Jun-24	$ -	$ 92,680	$ 100	$ 91,680	$ 4,460	$ 63,930
Jul-24	$ -	$ 92,680	$ 100	$ 91,780	$ 4,690	$ 68,620
Aug-24	$ -	$ 92,680	$ 100	$ 91,880	$ 4,420	$ 73,040
Sep-24	$ -	$ 92,680	$ 100	$ 91,980	$ 4,370	$ 77,410
Oct-24	$ -	$ 92,680	$ 100	$ 92,080	$ 3,690	$ 81,100
Nov-24	$ -	$ 92,680	$ 100	$ 92,180	$ 3,410	$ 84,510
Dec-24	$ -	$ 92,680	$ 100	$ 92,280	$ 2,490	$ 87,000
Jan-25		$ 92,680	$ 100	$ 92,380	$ 1,950	$ 88,950
Feb-25		$ 92,680	$ 100	$ 92,480	$ 1,390	$ 90,340
Mar-25		$ 92,680	$ 100	$ 92,580	$ 1,490	$ 91,830
Apr-25		$ 92,680	$ 100	$ 92,680	$ 840	$ 92,670
May-25		$ 92,680		$ 92,680	$ -	$ 92,670

National Security Agency
FY 2022 Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
Maryland				
National Security Agency Ft. George G. Meade NSAW Recapitalization Building 4, Increment 1	802,000	104,100	C	80
National Security Agency Ft. George G. Meade Mission Operations and Records Center	299,000	94,000	C	84
Colorado				
National Security Agency Buckley Air Force Base, Denver, CO Joint Cryptologic Center Expansion	20,000	20,000	C	89
United Kingdom				
National Security Agency RAF Menwith Hill Main Gate Rehabilitation	-	20,000	C	92
Total	**1,121,000**	**238,100**		

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE
NSA/CSS DEFENSE		MAY 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
FORT GEORGE G. MEADE, MARYLAND	NSA/CSS	0.97

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20170930										0
b. END FY 2022										0

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	0.00
b. INVENTORY TOTAL AS OF YYYMMDD	0.00
c. AUTHORIZATION NOT YET IN INVENTORY	0.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,101,000.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	0.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	1,101,000.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
141-90	NSAW East Campus Building #4, Increment 1	a. 857,335 SF (bldg.) b. 1,190,724 SF (parking)	104,100	OCT 2019	APR 2021
141-69	NSAW Mission Operations & Records Center, Increment 1	339,043 SF	94,000	APR 2020	JUN 2021

9. FUTURE PROJECTS*

141-90	NSAW East Campus Building #4, Remaining Increments	a. 857,335 SF (bldg.) b. 1,190,724 SF (parking)	697,900	OCT 2019	APR 2021
141-69	NSAW Mission Operations & Records Center, Remaining Increments	339,043 SF	205,000	APR 2020	JUN 2021

10. MISSION OR MAJOR FUNCTIONS

The National Security Agency/Central Security Service (NSA/CSS) leads the U.S. Government in cryptology that encompasses both Signals Intelligence and Information Assurance products and services, and enables Computer Network Operations in order to gain a decision advantage for the Nation and our allies under all circumstances.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

DD FORM 1390, JUL 1999

1. COMPONENT NSA/CSS DEFENSE	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021
3. INSTALLATION AND LOCATION FORT GEORGE G. MEADE, MARYLAND	4. PROJECT TITLE: NSAW EAST CAMPUS BUILDING #4, INCREMENT 1	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	14190	38608	104,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				**648,264**
C4I BUILDING (CC 14190)	SF	857,335	$ 573.17	(491,399)
PARKING FACILITY (CC 85218)	SF	1,190,724	$ 96.36	(114,738)
SPECIAL COSTS	LS			(15,373)
ANTITERRORISM/FORCE PROTECTION	LS			(16,061)
SUSTAINABILITY AND ENERGY FEATURES	LS			(9,839)
OMSI	LS			(854)
SUPPORTING FACILITIES				**36,713**
ELECTRIC SERVICE	LS			(8,921)
WATER, SEWER, GAS	LS			(2,448)
PAVING, WALKS, CURBS AND GUTTERS	LS			(6,924)
STORM DRAINAGE & LOW IMPACT DEVELOPMENT	LS			(684)
SITE IMPROVEMENTS (8,340) DEMOLITION (8,811)	LS			(17,150)
INFORMATION SYSTEMS	LS			(586)
ESTIMATED CONTRACT COST				**684,977**
CONTINGENCY (5.0%)				34,249
SUBTOTAL				**719,226**
SUPERVISION, INSPECTION AND OVERHEAD (SIOH) (5.7%)				40,996
DESIGN/BUILD (4.0%)				27,399
OTHER (DESIGN DURING CONSTRUCTION)				14,385
TOTAL REQUEST				802,005
TOTAL REQUEST (ROUNDED)				**802,000**
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				200,690

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Construct a Command, Control, Communications, Combat Systems, Intelligence, Surveillance, and Reconnaissance (C4ISR) Operations Building and structured parking facility with all required supporting facilities, associated site work, and environmental measures. The facility will provide operational office space, support space, equipment and communications space, and storage areas.

Operational areas include private offices and open flexible seating space, collaborative multi-discipline work spaces, administrative support spaces, and conference areas. Computer labs and virtual instruction/distance learning enabled classroom facilities are included. Amenity spaces include physical fitness space, food service, and dining area.

The primary facility will be a multi-story structure with full basement. The project consists of core, shell structure, and foundations; elevators; electrical/mechanical service and distribution components and systems; life safety generator, fire protection, alarm, and suppression systems; information technology infrastructure, communications, and security systems support infrastructure; exterior finishes and weatherproofing. Interior build out will provide raised access floor systems, acoustically-rated interior partitions and ceilings, power, lighting, environmental controls, and communications. The entire structure will be built to Sensitive Compartmented Information Facility (SCIF) standards, with redundant primary power and Uninterruptable Power Supply (UPS) systems to ensure continuity of operations.

1. COMPONENT NSA/CSS DEFENSE	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MAY 2021
3. INSTALLATION AND LOCATION FORT GEORGE G. MEADE, MARYLAND		4. PROJECT TITLE: NSAW EAST CAMPUS BUILDING #4, INCREMENT 1	
5. PROGRAM ELEMENT	6. CATEGORY CODE 14190	7. PROJECT NUMBER 38608	8. PROJECT COST ($000) 104,100

A parking structure will be constructed to provide privately-owned vehicle (POV) parking for staff and visitors. New road construction, widening, realignment, and modifications to existing roads including signals and other road improvements will be provided to connect to existing traffic infrastructure.

Construction estimates incorporate special costs associated with construction on a secure site, clearances for personnel, and labor inefficiencies associated with escort requirements. Escorts are required for positive control of access to utilities which service other critical facilities.

Facility physical security will conform to DOD Minimum Anti-Terrorism Standards for Buildings. Anti-Terrorism/Force Protection (ATFP) and include access control, setbacks, architectural shielding, Intrusion Detection Systems (IDS), progressive collapse requirements, and compliance with relevant ATFP regulations including fencing, bollards and protective planters, and electronic security systems to extend the secure perimeter. DOD standards for high performance and sustainable buildings will be included in design and construction of the facility, according to federal law and Executive Orders. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.

Supporting facilities include primary electrical service and distribution. Utility systems include water, sewer, reclaimed water, gas connection and service from utility providers, and storm drainage systems. Site work consists of curb and gutter, walkways, pedestrian plazas, landscaping, and Low impact Development (LID) including storm water management features. Roadway and intersection improvements are included to integrate new facilities with existing transportation networks. Demolition of two buildings (B9827/B9828), associated parking, support structures, and minor site structures, along with standard clearing, grubbing, cut, fill, grading, and environmental protection structures will be provided. Secure communications infrastructure and cabling will be provided.

11. REQUIREMENT: 857,335 SF **ADQT:** 0 SF **SUBSTD:** 0 SF

PROJECT: Construct multi-story operations facility and structured parking facility.

REQUIREMENT: This facility is necessary to support mission operations and to further implement NSA's Recapitalization Plan. The NSA Recapitalization Plan calls for the phased replacement of aging and leased facilities that have exceeded their service life and can no longer support the technology required for new missions. Additionally, this facility will provide the NSA with a flexible building that can provide the modern infrastructure necessary to support current and future technological requirements. This facility will incorporate new technologies and processes that will generate valuable operational synergies through intra-agency coordination, integration, and collaboration. Using an open work environment that incorporates scalable, reconfigurable work spaces, missions will be able to achieve both actual and virtual collaboration while maintaining their functional discipline.

CURRENT SITUATION: Mission critical activities that support the DoD and the nation are conducted individually in disparate and dispersed facilities. Network operations are prevented from realizing the full potential of the collaborative, cohesive work environments required. Existing facilities are being reconfigured and supplemented through leased space. However, these efforts are limited by the availability of facilities with suitable locations, inadequate AT/FP profiles, and insufficient power and cooling infrastructure capable of supporting mission critical activities.

IMPACT IF NOT PROVIDED: If this facility is not funded, NSA will continue to overburden existing facilities and infrastructure and operate in a disjointed mission configuration in a mix of antiquated space on

1. COMPONENT NSA/CSS DEFENSE	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MAY 2021
3. INSTALLATION AND LOCATION FORT GEORGE G. MEADE, MARYLAND		4. PROJECT TITLE: NSAW EAST CAMPUS BUILDING #4, INCREMENT 1	
5. PROGRAM ELEMENT	6. CATEGORY CODE 14190	7. PROJECT NUMBER 38608	8. PROJECT COST ($000) 104,100

Fort Meade and transient leased space distributed across a wide area, impeding the ability to effectively operate and meet its mission.

12. Supplemental Data:

A. Estimated Execution Data:

(1) Acquisition Strategy:	Design-Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	OCT 2019
(b) Percent Complete as of January 2021:	15%
(c) Design or RFP Complete:	APR 2021
(d) Total Design Cost ($000):	15,000
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used?	No
(3) Construction Data:	
(a) Contract Award:	JAN 2022
(b) Construction Start:	JAN 2023
(c) Construction Complete:	MAR 2026

B. Equipment Associated With This Project Which Will be Provided From Other Appropriations:

Equipment Nomenclature	Procuring Appropriation	Cost ($000)
FF&E, Security, IT, AVVM	Future O&M Request	200,690

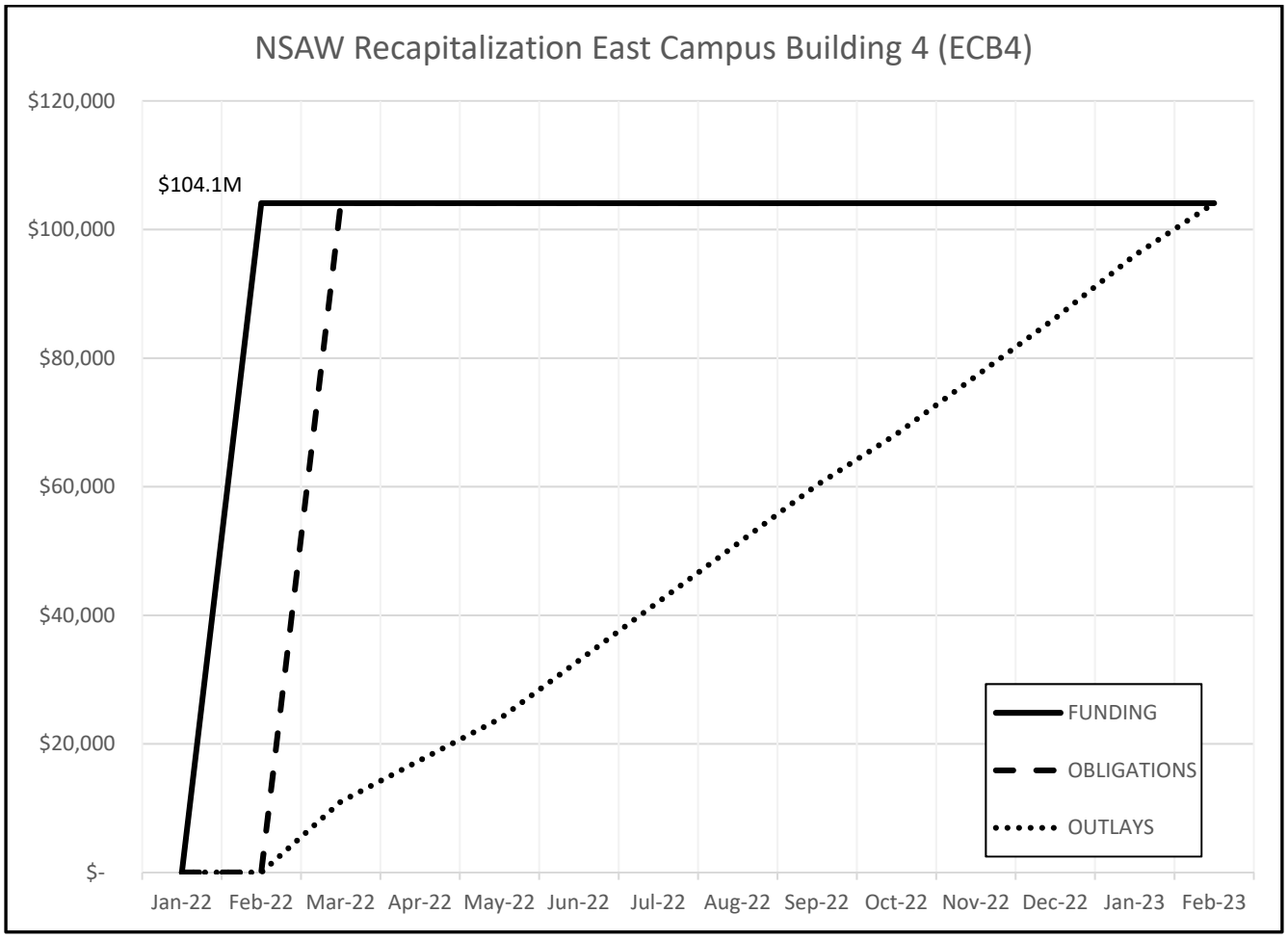
C. Authorization and Appropriation Summary:

	Authorization ($000)	Auth of Approp ($000)	Appro ($000)
FY 2022 Request	802,000	104,100	104,100
Future Request	0	697,900	697,900
Total	802,000		802,000

Master Planning Office
Telephone: (443) 634-4109

DD FORM 1391, JUL 1999

PROJECT SPENDING PLAN FOR INCREMENTALLY FUNDED PROJECT							
PROJECT TITLE:		NSAW Recapitalization East Campus Building 4 (ECB4)					
As of:	May-21	FUNDING		OBLIGATIONS		OUTLAYS	
All costs in thousands ($000)							
Month-Year		Monthly	Cumulative	Monthly	Cumulative	Monthly	Cumulative
2022	Jan-22	$ -	$ -	$ -	$ -	$ -	$ -
	Feb-22	$ 104,100	$ 104,100	$ -	$ -	$ -	$ -
	Mar-22	$ -	$ 104,100	$ 104,100	$ 104,100	$ 11,023	$ 11,023
	Apr-22	$ -	$ 104,100	$ -	$ 104,100	$ 6,432	$ 17,455
	May-22	$ -	$ 104,100	$ -	$ 104,100	$ 6,432	$ 23,887
	Jun-22	$ -	$ 104,100	$ -	$ 104,100	$ 9,093	$ 32,980
	Jul-22	$ -	$ 104,100	$ -	$ 104,100	$ 9,093	$ 42,073
	Aug-22	$ -	$ 104,100	$ -	$ 104,100	$ 9,093	$ 51,166
	Sep-22	$ -	$ 104,100	$ -	$ 104,100	$ 9,093	$ 60,259
	Oct-22	$ -	$ 104,100	$ -	$ 104,100	$ 7,949	$ 68,209
	Nov-22	$ -	$ 104,100	$ -	$ 104,100	$ 9,006	$ 77,215
	Dec-22	$ -	$ 104,100	$ -	$ 104,100	$ 9,006	$ 86,221
2023	Jan-23	$ -	$ 104,100	$ -	$ 104,100	$ 9,790	$ 96,011
	Feb-23	$ -	$ 104,100	$ -	$ 104,100	$ 8,089	$ 104,100



1. COMPONENT NSA/CSS DEFENSE	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021
3. INSTALLATION AND LOCATION FORT GEORGE G. MEADE, MARYLAND	4. PROJECT TITLE: MISSION OPERATIONS AND RECORDS CENTER INCREMENT 1	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	14169	38440	94,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				**237,325**
MISSION OPERATIONS FACILITY (CC 14169)	SF	251,405	$ 550.83	(138,482)
WAREHOUSE CONNECTOR (CC 14169)	SF	2,680	$ 688.92	(1,846)
RECORDS CENTER ADMIN (CC 61050)	SF	57,709	$ 560.58	(32,350)
HUMIDITY CONTROLLED RECORDS CENTER (CC 44230)	SF	27,249	$ 1,201.51	(32,740)
SPECIAL COSTS	LS			(7,227)
ANTITERRORISM/FORCE PROTECTION	LS			(19,565)
SUSTAINABILITY AND ENERGY FEATURES	LS			(4,520)
OMSI	LS			(595)
SUPPORTING FACILITIES				**16,905**
ELECTRIC SERVICE	LS			(3,951)
WATER, SEWER, GAS	LS			(969)
PAVING, WALKS, CURBS AND GUTTERS	LS			(2,234)
STORM DRAINAGE & LOW IMPACT DEVELOPMENT	LS			(1,932)
SITE IMPROVEMENTS (4,621) DEMOLITION (3,284)	LS			(7,095)
INFORMATION SYSTEMS	LS			(724)
ESTIMATED CONTRACT COST				**254,230**
CONTINGENCY (5.0%)				12,712
SUBTOTAL				**266,942**
SUPERVISION, INSPECTION AND OVERHEAD (SIOH) (5.7%)				15,216
DESIGN/BUILD (4.0%)				10,169
OTHER (DESIGN DURING CONSTRUCTION)				6,673
TOTAL REQUEST				299,000
TOTAL REQUEST (ROUNDED)				**299,000**
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				63,397

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Construct a mission support operations facility and a humidity controlled records center recapitalization facility.

The mission support operations facility includes workshops, storage areas, office and administrative space, and all required supporting facilities, connection to warehouse, utility connections, associated site work, and environmental measures. Office areas will include open flexible seating space, shared collaborative workspaces, administrative support spaces, and conference areas. The building will include core, shell structure, and foundations; elevators; electrical/mechanical service and distribution components and systems; fire protection, alarm, and suppression systems; information technology infrastructure, communications, and security systems support infrastructure; exterior finishes and weatherproofing. Interior build out will provide raised access floor systems, acoustically-rated interior partitions and ceilings, power, lighting, environmental controls, and communications.

The records center replacement will be constructed in compliance with the National Archives and Records Administration (NARA) Facility Standards for Records Storage (36 CFR §1228 subpart K). It will be a two-story

1. COMPONENT NSA/CSS DEFENSE	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MAY 2021
3. INSTALLATION AND LOCATION FORT GEORGE G. MEADE, MARYLAND		4. PROJECT TITLE: MISSION OPERATIONS AND RECORDS CENTER INCREMENT 1	
5. PROGRAM ELEMENT	6. CATEGORY CODE 14169	7. PROJECT NUMBER 38440	8. PROJECT COST ($000) 94,000

reinforced concrete slab on grade and steel braced frame structure with administrative workspaces for records management and archival functions including office suites, flexible and shared workstations, a records processing center, conference rooms, historical collection spaces, breakrooms, lockers, and required building support spaces. The facility will also include a high-bay (30-foot), controlled humidity records and storage module with a cold storage room. The storage areas will have super-flat concrete floors, fixed shelving with integrated fire suppression systems, open storage and warehouse spaces for shipping and receiving, decontamination, records staging, packaging, forklift charging and records destruction. Administrative spaces will have raised access floors for distribution of electrical, telecommunications, security, and mechanical systems.
Both facilities will be built to sensitive compartmented information facility (SCIF) standards, with redundant primary power and uninterruptable power supply (UPS) systems for mission critical systems. Construction estimates incorporate special costs associated with construction on a secure site, clearances for personnel, and labor inefficiencies associated with escort requirements.

Facility physical security will conform to DOD anti-terrorism standards for buildings. Anti-terrorism force protection (ATFP) measures include access control systems, setbacks, blast resistant exterior, intrusion detection systems (IDS), progressive collapse requirements, and compliance with ATFP regulations. DoD principles for high performance and sustainable building requirements, to include life cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with applicable laws and Executive Orders. Mechanical systems will be selected through energy modeling and life cycle cost analysis (LCCA) with the goal of maximizing energy efficiency, while meeting the facility requirements.

Supporting facilities include primary electric service and distribution, water, sewer and gas connections and services. Paved areas include road widening, reconfiguration, and modifications to existing roads and loading dock aprons will be included to modernize and improve the existing site traffic infrastructure. Storm drainage and low impact development will be provided with bio-retention and other storm water management features, Site improvements include fencing, landscaping, and upgrades for access control structures. Additional site improvement consists of curbs and gutters, walkways. Site preparation includes demolition of existing structures, standard clearing, grubbing, cut, fill, grading, and environmental protection structures Secure communications infrastructure and cabling will be provided. Secure communications infrastructure and cabling will be provided.

11. REQUIREMENT: 339,043 SF **ADQT:** 0 SF **SUBSTD:** 191,255 SF

PROJECT: Construct a mission support operations facility and a records center.

REQUIREMENT: These facilities are necessary to support mission operations and to further implement NSA's Recapitalization Plan. The NSA Recapitalization Plan calls for the phased replacement of aging facilities and leased spaces that have exceeded their service life and can no longer support the technology required for missions.

The records center is required to provide a facility to store over 150,000 cubic feet of temporary and permanent classified and controlled access records in a NARA approved Records Center that meets all structural, environmental, life safety and records protection requirements. Proper handling and storage of federal records require secure, climate-controlled, high-bay storage with associated administration and handling functions meeting the NARA requirements.

CURRENT SITUATION: Mission critical activities that support the DOD and the nation are conducted in undersized, improperly configured, and technologically obsolescent facilities. New and emergent mission requirements are prevented from realizing their full potential due to inadequate space, improper configuration, poor condition, and obsolete systems. Existing facilities are being reconfigured and supplemented through a variety of re-purposed spaces. However, these efforts are limited because currently available facilities are inadequate to support mission critical activities.

1. COMPONENT NSA/CSS DEFENSE	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
FORT GEORGE G. MEADE, MARYLAND	MISSION OPERATIONS AND RECORDS CENTER INCREMENT 1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	14169	38440	94,000

Records are currently stored in two separate facilities that were retrofitted approximately 40 years ago. These facilities were determined to be non-compliant with NARA Standards in 2005 and have exceeded their useful life and are slated for demolition beginning in 2020. The Agency has spent over $50M to correct some of the deficiencies, but renovations cannot bring the existing facilities into compliance. No other facilities meet the requirements or would be cost-effective to retrofit.

IMPACT IF NOT PROVIDED: NSA will continue to overburden existing facilities and infrastructure and continue to operate in a disjointed and inefficient mission configuration. Operating groups will continue to use a mix of antiquated spaces distributed across a wide area, impeding their ability to effectively operate, collaborate, and accomplish their mission. In addition, critical cryptologic and historic records will be subject to damage or loss if there is a fire, infestation, or other catastrophic event.

12. Supplemental Data:

A. Estimated Execution Data:

(1) Acquisition Strategy:	Design/Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	APR 2020
(b) Percent of Design Completed as of January 2021:	15%
(c) Design or RFP Complete:	JUN 2021
(d) Total Design Cost ($000):	8,500
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used:	No
(3) Construction Data:	
(a) Contract Award:	JAN 2022
(b) Construction Start:	JUL 2022
(c) Construction Complete:	SEP 2025

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

Equipment Nomenclature	Procuring Appropriation	Cost ($000)
FF&E, Security, IT, AVVM	Future O&M Request	63,397

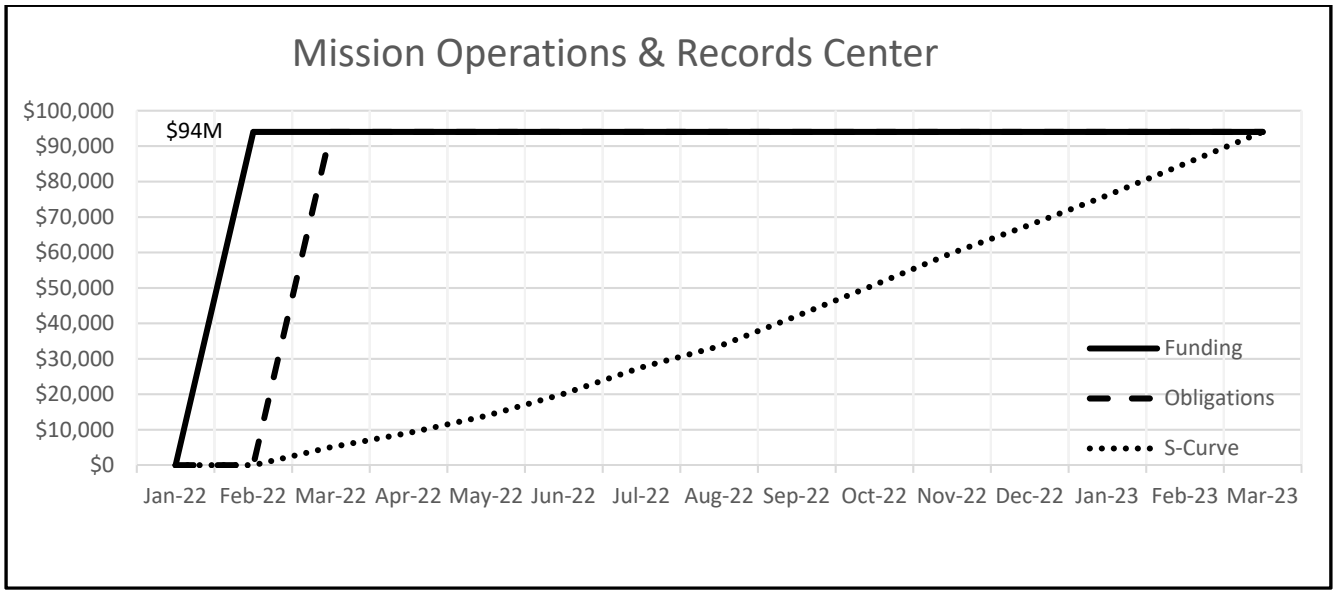
C. Authorization and Appropriation Summary:

	Authorization ($000)	Auth of Approp ($000)	Appro ($000)
FY 2022 Request	299,000	94,000	94,000
Future Request	0	205,000	205,000
Total	299,000		299,000

Master Planning Office
Telephone: (443) 634-4109

DD FORM 1391, JUL 1999

PROJECT SPENDING PLAN FOR INCREMENTALLY FUNDED PROJECT							
PROJECT TITLE:		Mission Operations and Records Center (MORC)					
As Of:	1-May-21	FUNDING		OBLIGATIONS		OUTLAYS	
All costs in thousands ($000)							
	Month-Year	Monthly	Cumulative	Monthly	Cumulative	Monthly	Cumulative
2022	Jan-22						
	Feb-22	$ 94,000	$ 94,000	$ -	$ -	$ -	$ -
	Mar-22	$ -	$ 94,000	$ 94,000	$ 94,000	$ 2,340	$ 2,340
	Apr-22	$ -	$ 94,000	$ -	$ 94,000	$ 2,730	$ 5,071
	May-22	$ -	$ 94,000	$ -	$ 94,000	$ 4,039	$ 9,109
	Jun-22	$ -	$ 94,000	$ -	$ 94,000	$ 4,806	$ 13,916
	Jul-22	$ -	$ 94,000	$ -	$ 94,000	$ 6,244	$ 20,159
	Aug-22	$ -	$ 94,000	$ -	$ 94,000	$ 7,461	$ 27,620
	Sep-22	$ -	$ 94,000	$ -	$ 94,000	$ 5,954	$ 33,574
	Oct-22	$ -	$ 94,000	$ -	$ 94,000	$ 8,513	$ 42,087
	Nov-22	$ -	$ 94,000	$ -	$ 94,000	$ 8,736	$ 50,823
	Dec-22	$ -	$ 94,000	$ -	$ 94,000	$ 9,052	$ 59,875
2023	Jan-23	$ -	$ 94,000	$ -	$ 94,000	$ 7,897	$ 67,771
	Feb-23	$ -	$ 94,000	$ -	$ 94,000	$ 8,338	$ 76,109
	Mar-23	$ -	$ 94,000	$ -	$ 94,000	$ 8,942	$ 85,051
	Apr-23	$ -	$ 94,000	$ -	$ 94,000	$ 8,978	$ 94,029



1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE
NSA/CSS DEFENSE		MAY 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
BUCKLEY AIR FORCE BASE, DENVER, COLORADO	NSA/CSS	0.99

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20170930										0
b. END FY 2022										0

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	0.00
b. INVENTORY TOTAL AS OF YYYMMDD	0.00
c. AUTHORIZATION NOT YET IN INVENTORY	0.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	20,000.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	0.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	20,000.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST ($000)	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
171721	Joint Cryptologic Center Expansion	38,000 SF	20,000	SEP 2020	OCT 2021

9. FUTURE PROJECTS

N/A					

10. MISSION OR MAJOR FUNCTIONS

The National Security Agency/Central Security Service (NSA/CSS) leads the U.S. Government in cryptology that encompasses both Signals Intelligence and Information Assurance products and services, and enables Computer Network Operations in order to gain a decision advantage for the Nation and our allies under all circumstances.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

DD FORM 1390, JUL 1999

1. COMPONENT NSA/CSS DEFENSE	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
BUCKLEY AIR FORCE BASE, DENVER, COLORADO	JOINT CRYPTOLOGIC CENTER EXPANSION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	17121	40171	20,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				**15,566**
OPERATIONAL TRAINING FACILITY (CC 17121)	SF	38,000	$ 383.00	(14,554)
CYBERSECURITY MEASURES	LS			(148)
OMSI	LS			(74)
INFORMATION SYSTEMS	LS			(250)
ANTI-TERRORISM/FORCE PROTECTION	LS			(250)
SUSTAINABILITY AND ENERGY FEATURES	LS			(290)
SUPPORTING FACILITIES				**2,409**
ELECTRIC SERVICE	LS			(302)
WATER, SEWER, GAS	LS			(192)
PAVING, WALKS, CURBS AND GUTTERS	LS			(1,115)
STORM DRAINAGE	LS			(78)
SITE IMPROVEMENTS (145) DEMO (536)	LS			(681)
COMMUNICATIONS	LS			(41)
ESTIMATED CONTRACT COST				**17,975**
CONTINGENCY (5.0%)				899
SUBTOTAL				**18,874**
SUPERVISION, INSPECTION AND OVERHEAD (SIOH) (5.7%)				1,076
TOTAL REQUEST				19,950
TOTAL REQUEST (ROUNDED)				**20,000**
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				11,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct an operational training and administrative support facility to support the National Security Agency Colorado (NSAC) and Service Cryptologic Elements. The facility will include shared training and conference space, flexible administrative areas, storage and support spaces. The primary facility will be a two-story masonry structure constructed with a concrete slab-on-ground floor, load-bearing concrete masonry unit walls, and metal roof deck supported by steel joists. Facility related control systems include cybersecurity features in accordance with Department of Defense criteria.

Physical security mitigation will be in accordance with DoD Minimum Anti-Terrorism Standards for Buildings. Facilities will be designed as permanent construction and in accordance with DoD standards for high performance and sustainable facilities will be included in design and construction of the facility in accordance with federal laws and Executive Orders. Life-cycle cost-effective practices, will be integrated into the design, development, and construction of the project to include energy consuming systems.

Supporting facilities include connections to electric, water, sewer, and gas services. Asphalt parking, road pavement, and concrete walkway will be provided. Site work consists of landscaping (trees, shrubs, turf grass), storm drainage and other necessary site improvements to make a complete and usable facility. Low Impact Development (LID) including storm water management features are included. Demolition and disposal of known buried asbestos containing soil is required. Secure communications infrastructure and cabling will be provided.

1. COMPONENT NSA/CSS DEFENSE	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. Date MAY 2021

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
BUCKLEY AIR FORCE BASE, DENVER, COLORADO	JOINT CRYPTOLOGIC CENTER EXPANSION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	17121	40171	20,000

11. REQUIREMENT: 38,000 SF **ADQT:** 10,000 SF **SUBSTD:** 4,400 SF

PROJECT: Construct a new facility for the Joint Cryptologic Center to support technical training courses.

REQUIREMENT: National Security Agency requires dedicated facilities to conduct unclassified training and research within the Colorado Service Cryptologic Element region. The new building will accommodate increased demands for cutting-edge research, experimentation, exploration, and innovation. The unclassified capabilities will satisfy the training of service members awaiting adjudication of their security clearances and decrease the time required to achieve required readiness levels.

CURRENT SITUATION: Demand for unclassified training space has grown in the past year and the requirement for unclassified training space currently exceeds the available space at Buckley Air Force Base. This is coupled with training demands by other organizations that often command greater precedent when reserving facilities. The result is delayed training of personnel from a few weeks to several months. In attempts to offset the loss of training space, NSAC arranges to use other facilities on the base such as the chapel, gymnasium, learning center, or other similar facilities and a temporary trailer facility is being installed to address immediate requirements.

IMPACT IF NOT PROVIDED: NSAC will continue to be at risk of losing training opportunities due to high demand for Building 26. This is expected to worsen as the number of available classrooms is expected to decrease due to host re-purposing existing facilities and the number of personnel needing training will increase over the next three years. Delays in training will have mission impacts that include: lengthening the amount of time service members await adjudication for their security clearances; atrophy of personnel's skills from the inability to keep pace with advances in operational positions; not fulfilling requirements for language training; and impacting mission effectiveness from reduced readiness of service members.

12. Supplemental Data:

A. Estimated Execution Data:

(1) Acquisition Strategy:	Design/Bid/Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	SEP 2020
(b) Percent of Design Completed as of January 2021:	35%
(c) Design or RFP Complete:	OCT 2021
(d) Total Design Cost ($000):	3,090
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Standard or definitive design used:	No
(3) Construction Data:	
(a) Contract Award:	APR 2022
(b) Construction Start:	JUN 2022
(c) Construction Complete:	JUN 2024

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

Equipment Nomenclature	Procuring Appropriation	Cost ($000)
FF&E, Security, IT, AVVM	Future O&M Request	11,000

Master Planning Office
Telephone: (443) 634-4109

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE
NSA/CSS DEFENSE		MAY 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
RAF MENWITH HILL, HARROGATE, UK	NSA/CSS	0.95

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20170930										0
b. END FY 2022										0

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	0.00
b. INVENTORY TOTAL AS OF YYYMMDD	0.00
c. AUTHORIZATION NOT YET IN INVENTORY	0.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	20,000.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	0.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	20,000.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST ($000)	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
14113	RAFMH Main Gate Rehabilitation	8,912 SF	20,000	FEB 2018	SEP 2020

9. FUTURE PROJECTS

N/A					

10. MISSION OR MAJOR FUNCTIONS

The National Security Agency/Central Security Service (NSA/CSS) leads the U.S. Government in cryptology that encompasses both Signals Intelligence and Information Assurance products and services, and enables Computer Network Operations in order to gain a decision advantage for the Nation and our allies under all circumstances.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

DD FORM 1390, JUL 1999

1. COMPONENT NSA/CSS DEFENSE	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAY 2021

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
RAF MENWITH HILL, HARROGATE, UK	RAFMH MAIN GATE REHABILITATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	14113	34490	20,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				**8,418**
ACCESS CONTROL FACILITY (CC 14113)	SF	5,715	$ 1,180.00	(6,744)
OVERHEAD CANPOY (14179)	SF	3,197	$ 160.50	(513)
ANTITERRORISM FORCE PROTECTION	LS			(1,016)
SUSTAINABILITY AND ENERGY FEATURES (2%)	LS			(145)
SUPPORTING FACILITIES				**8,941**
UTILITIES	LS			(823)
SITE PREPARATION	LS			(653)
ROADS, SIDEWALKS AND PARKING	LS			(6,512)
SITE IMPROVEMENTS (405) DEMOLITION (98)	LS			(503)
STORM WATER MANAGEMENT	LS			(450)
ESTIMATED CONTRACT COST				**17,359**
CONTINGENCY (5.0%)				868
SUBTOTAL				**18,227**
SUPERVISION, INSPECTION AND OVERHEAD (SIOH) (6.5%)				1,185
OTHER (DESIGN DURING CONSTRUCTION)				365
TOTAL REQUEST				19,777
TOTAL REQUEST (ROUNDED)				**20,000**
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				2,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct an entry control facility replacement at Royal Air Force Base (RAF) Menwith Hill, UK. Primary facility consists of an access control facility with vehicle inspection capability to include a registration office, guard booths, and overhead protection canopy. Physical security measures will comply with Antiterrorism/Force Protection (AT/FP) requirements to include fencing, gates, bollards and final denial barrier.

Supporting facilities include electric, communication and sanitary utility connections. Site preparation includes clearing and grubbing, and grading. New vehicle approach, inspection and rejection roadways will be provided as well as parking areas and pedestrian sidewalks. Site improvements include fencing, site lighting, signage, pedestrian turnstiles, and site restoration of the construction area. Infrastructure for closed circuit surveillance and electronic security system equipment will also be provided. Demolition of existing guard booths and existing roads, curbs and gutter is required. Storm drainage will be provided.

11. REQUIREMENT: 5,715 SF **ADQT:** 0 SF **SUBSTD:** 4,735 SF

PROJECT: Construct an access control facility.

REQUIREMENT: This project is required to provide an entry control facility in compliance with AT/FP standards in the Unified Facilities Criteria for Entry Control Facilities. This project incorporates protective features in the access control facilities to mitigate vulnerabilities and terrorist threats.

1. COMPONENT NSA/CSS DEFENSE	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MAY 2021
3. INSTALLATION AND LOCATION RAF MENWITH HILL, HARROGATE, UK		4. PROJECT TITLE: RAFMH MAIN GATE REHABILITATION	
5. PROGRAM ELEMENT	6. CATEGORY CODE 14113	7. PROJECT NUMBER 34490	8. PROJECT COST ($000) 20,000

CURRENT SITUATION: Physical security upgrades are required at the main gate entrance. There is inadequate vehicle queuing capacity resulting in frequent back-ups as well as increased risk for accidents due to insufficient stopping sight distance. Inadequate vehicle inspection and rejection lanes increase risk to security personnel. Pedestrians are required to cross vehicle traffic to access registration center.

IMPACT IF NOT PROVIDED: There will continue to be traffic impacts, delays and accidents due to back-ups at the gate from vehicle inspection and rejections. The workforce will continue be at increased safety risk when accessing the registration facility.

ADDITIONAL: This project is in compliance with the installation master plan. An economic analysis has been prepared and utilized in the evaluation of this project. This project is the only feasible option to ensure the safety of the workforce and security forces, and to comply with ATFP requirements.

12. Supplemental Data:

A. Estimated Execution Data:

(1) Acquisition Strategy:	Design/Bid/Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	FEB 2018
(b) Percent of Design Completed as of January 2021:	100%
(c) Design or RFP Complete:	SEP 2020
(d) Total Design Cost ($000):	826
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Standard or definitive design used:	No
(3) Construction Data:	
(a) Contract Award:	APR 2022
(b) Construction Start:	JUL 2022
(c) Construction Complete:	JUN 2023

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

Equipment Nomenclature	Procuring Appropriation	Cost ($000)
FF&E, Security, IT	Future O&M Request	2,000

C. Authorization and Appropriation Summary:

	Authorization ($000)	Auth of Approp ($000)	Appro ($000)
FY2018 Enacted	11,000	11,000	11,000
Reallocated to 10 USC 2808 projects	-------	-------	(11,000)
Cost Variation	9,000	------	-------
FY 2022 Request	0	20,000	20,000
Total	20,000		20,000

U.S. Special Operations Command
FY 2022 Military Construction, Defense-Wide
($ In Thousands)

State/Installation/Project	Authorization Request	Approp Request	New/ Current Mission	Page No
California				
Naval Base Coronado				
SOF ATC Operations Support Facility	21,700	21,700	C	96
SOF NSWG11 Operations Support Facility	12,000	12,000	C	99
Georgia				
Fort Benning				
SOF Battalion Headquarters Facility	62,000	62,000	C	103
Maryland				
Fort Meade				
SOF Operations Facility	100,000	100,000	C	107
Japan				
Yokota Air Base				
Hangar/AMU	-	108,253	C	114
Total	**195,700**	**303,953**		

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE (YYYY MMDD)
DEF (USSOCOM)		MAY 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTRUCTION COST INDEX
NAVAL BASE CORONADO, CALIFORNIA	NAVAL SPECIAL WARFARE COMMAND	1.03

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20200930	443	2552	515	0	0	0	0	0	0	3,510
b. END FY26	443	2512	514	0	0	0	0	0	0	3,469

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	1,907
b. INVENTORY TOTAL AS OF 20200930	594,200
c. AUTHORIZATION NOT YET IN INVENTORY	375,300
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	33,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	33,700

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST ($000)	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
143	SOF ATC OPERATIONS SUPPORT FACILITY	3,716 SM (40,000 SF)	21,700	02/2019	12/2020
143	SOF NSWG11 OPERATIONS SUPPORT FACILITY	1,115 SM (12,000 SF)	12,000	06/2020	01/2021

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

The mission of Naval Base Coronado is to arm, repair, provision, service and support the U.S. Pacific Fleet and other operating forces.

The mission of Naval Special Warfare Command is to organize, man, train, equip, educate, sustain, maintain combat readiness and deploy Naval Special Warfare Forces to accomplish Special Operations Missions.

11. OUTSTANDING POLLUTION AND SAFETYDEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE (YYYYMMDD)	REPORT CONTROL SYMBOL
USSOCOM		MAY 2021	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
NAVAL BASE CORONADO, CALIFORNIA	SOF ATC OPERATIONS SUPPORT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	143	P-951	21,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				**15,917**
OPERATIONS SUPPORT FACILITY (CC 14380) (20,000 SF)	SM	1,858	6,629	(12,317)
BUILDING 1 RENOVATION (CC 17120) (20,000 SF)	SM	1,858	1,076	(2,000)
ANTI-TERRORISM/FORCE PROTECTION	LS	--	--	(400)
SPECIAL COSTS	LS	--	--	(350)
OPERATION AND MAINTENANCE SUPPORT INFO (OMSI)	LS	--	--	(200)
SUSTAINABILITY AND ENERGY FEATURES	LS	--	--	(250)
CYBERSECURITY MEASURES	LS	--	--	(400)
SUPPORTING FACILITIES				**2,955**
UTILITIES	LS	--	--	(555)
SITE PREPARATION	LS	--	--	(500)
ROADS, SIDEWALKS AND PARKING	LS	--	--	(450)
SITE IMPROVEMENTS	LS	--	--	(450)
SPECIAL FOUNDATION FEATURES	LS	--	--	(550)
DEMOLITION (7,000 SF)	LS	--	--	(450)
ESTIMATED CONTRACT COST				18,872
CONTINGENCY (5%)				944

SUBTOTAL				19,816
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,129

SUBTOTAL				20,945
DESIGN/BUILD - DESIGN COST (4%)				755

TOTAL REQUEST				21,700
TOTAL REQUEST (ROUNDED)				21,700
EQUIPMENT FROM OTHER APPROPRIATIONS				(3,465)

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Constructs an operations support facility for the Naval Special Warfare Center Advanced Training Command (ATC) at the Naval Base Coronado Coastal Campus. Project includes renovation of Building 1, approximately 1,858 SM (20,000 SF). Scope of renovation of Building 1 includes interior reconfiguration, changes to interior finishes and some minor exterior improvements. Demolishes Building 95,650 SM (7,000 SF). Construction of the operations support facility consists of tilt-up concrete walls, slab on grade and a single ply roof. Special costs include conduit for Physical Security Equipment. Project includes all pertinent site preparations and site improvements, special foundations, mechanical and electrical utilities, telecommunications, emergency generator, landscaping, irrigation, drainage, parking and exterior lighting. Department of Defense principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development features will be

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE (YYYYMMDD)	REPORT CONTROL SYMBOL
USSOCOM		MAY 2021	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
NAVAL BASE CORONADO, CALIFORNIA	SOF ATC OPERATIONS SUPPORT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	143	P-951	21,700

included in the design and construction of this project as appropriate. This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security mitigation in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings. Appropriate cybersecurity measures will be applied to the facility-related control systems in accordance with current DoD criteria.

11. Requirement: 3,716 SM (40,000 SF) **Adequate:** 0 SM **Substandard:** 2,508 SM (27,000 SF)

PROJECT: Constructs an Operations Support Facility for Naval Special Warfare Center ATC at the Naval Base Coronado Coastal Campus. Renovates Building 1 to meet additional advanced training requirements.

REQUIREMENT: Naval Special Warfare Center is responsible for ensuring component maritime special operations forces are ready to meet the operational requirements of Combatant Commanders. Naval Special Warfare Center ATC provides advanced individual skills training to the NSW community. Adequately sized and configured facilities are required to support advanced Marksmanship, Communication, Tactical and Technical Surveillance, Unmanned Aerial Systems, Static Line Freefall, Combat Swimmer, Combatives, and Survival, Evasion, Resistance, Escape training.

CURRENT SITUATION: Naval Special Warfare Center ATC operations support is currently accommodated in Building 1, an undersized and poorly configured facility constructed in 1961 that meets approximately 50% of requirements. ATC operations support is also accommodated in Building 95, a temporary expeditionary facility that is planned for demolition.

IMPACT IF NOT PROVIDED: If this project is not provided, Naval Special Warfare Center ATC will continue to utilize obsolete, undersized and poorly configured facilities. These facilities were not designed to meet current force structure and mission requirements and impede day to day operations and development of advanced training curriculum.

ADDITIONAL: No life cycle costs have been calculated at this time. This project is in compliance with current seismic requirements. Flood vulnerability determination for Naval Special Warfare Command projects has been accomplished by Naval Base Coronado and is part of the project planning process. Project is not sited in the 100 year floodplain.

JOINT USE CERTIFICATION: N/A. USSOCOM budgets only for those facilities specifically for SOF use. Common support facilities are budgeted by the military departments. Reference Title 10, Section 165.

12. Supplemental Data:

A. Estimated Execution Data:

(1) Acquisition Strategy:	Design Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	Feb 19
(b) Percent of Design Completed as of Jan 2021:	35%
(c) Design or RFP Complete:	Dec 20
(d) Total Design Cost ($000):	2,170
(e) Energy Study and/or Life Cycle Analysis Performed:	No
(f) Standard or Definitive Design Used:	No
(3) Construction Data:	
(a) Contract Award:	Mar 22
(b) Construction Start:	Jun 22
(c) Construction Complete:	Jun 24

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE (YYYYMMDD)	REPORT CONTROL SYMBOL
USSOCOM		MAY 2021	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
NAVAL BASE CORONADO, CALIFORNIA	SOF ATC OPERATIONS SUPPORT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	143	P-951	21,700

B. Equipment Associated With This Project Which Will be Provided From Other Appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
Collateral Equipment	O&M, D-W	Future Request	1,800
C4I Equipment	O&M, D-W	Future Request	875
Collateral Equipment	PROC, D-W	Future Request	350
C4I Equipment	PROC, D-W	Future Request	440

Naval Special Warfare Command
Telephone: (619) 537-1050
This Headquarters has reviewed and validated the accuracy of the project justification.

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE (YYYYMMDD)	REPORT CONTROL SYMBOL
USSOCOM		MAY 2021	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
NAVAL BASE CORONADO, CALIFORNIA	SOF NSWG11 OPERATIONS SUPPORT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	143	P-912	12,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				**7,981**
OPERATIONS SUPPORT FACILITY (CC 14380) (12,000 SF)	SM	1,115	6,100	(6,801)
ANTI-TERRORISM/FORCE PROTECTION	LS	--	--	(200)
SPECIAL COSTS	LS	--	--	(300)
OPERATION AND MAINTENANCE SUPPORT INFO (OMSI)	LS	--	--	(230)
SUSTAINABILITY AND ENERGY FEATURES	LS	--	--	(250)
CYBERSECURITY MEASURES	LS	--	--	(200)
SUPPORTING FACILITIES				**2,455**
UTILITIES	LS	--	--	(355)
SITE PREPARATION	LS	--	--	(345)
ROADS, SIDEWALKS AND PARKING	LS	--	--	(450)
SITE IMPROVEMENTS	LS	--	--	(450)
SPECIAL FOUNDATION FEATURES	LS	--	--	(355)
DEMOLITION (11,900SF)	LS	--	--	(500)
ESTIMATED CONTRACT COST				10,436
CONTINGENCY (5%)				522

SUBTOTAL				10,958
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				625

SUBTOTAL				11,583
DESIGN/BUILD - DESIGN COST (4%)				417

TOTAL REQUEST				12,000
TOTAL REQUEST (ROUNDED)				12,000
EQUIPMENT FROM OTHER APPROPRIATIONS				(1,175)

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Constructs an Operations Support Facility for Naval Special Warfare Group ELEVEN (NSWG11). Project demolishes Building 309, 1,106 SM (11,900 SF). Construction consists of tilt-up concrete walls on a concrete foundation with a single ply roof. Special costs include conduit for Physical Security Equipment. Project includes all pertinent site preparations and site improvements, mechanical and electrical utilities, telecommunications, pile foundation, emergency generator, landscaping, fencing, irrigation, drainage, parking and exterior lighting. Department of Defense principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development features will be included in the design and construction of this project as appropriate. This project will provide Anti- Terrorism Force Protection (AT/FP) features and comply with AT/FP regulations and physical security mitigation accordance with Department of Defense (DoD)

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE (YYYYMMDD)	REPORT CONTROL SYMBOL
USSOCOM		MAY 2021	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
NAVAL BASE CORONADO, CALIFORNIA	SOF NSWG11 OPERATIONS SUPPORT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	143	P-912	12,000

Minimum Anti-Terrorism Standards for buildings. Appropriate cybersecurity measures will be applied to the facility-related control systems in accordance with current Department of Defense criteria.

11. Requirement: 1,115 SM (12,000 SF) **Adequate:** 0 **Substandard:** 1,106 SM (11,900 SF)

PROJECT: Constructs an Operations Support Facility for NSWG11 at the Naval Base Coronado Coastal Campus.
REQUIREMENT: NSWG11 has the mission to organize, man, train, equip and deploy Naval Special Warfare Reserve SEAL Platoons, Reserve Special Boat Detachments, and Reserve Combat Service Support Teams for special operations in support of NSW active component commands worldwide. An adequately sized and configured facility that supports NSWG11 operations is required at the Naval Base Coronado Coastal Campus.
CURRENT SITUATION: NSWG11 operations are currently accommodated in Building 309, approximately 11,900 SF. Building 309 is the old Naval Base Coronado bowling alley and minor improvements have been made to support NSWG11 until this project is complete. The building is not adequately configured to support long term NSWG11 operations. The site that accommodates B309 is required to meet Navy amphibious and small craft operations and is included in a phased capital improvements plan to realign Naval Amphibious Base (NAB) Coronado. Building 309 will be demolished by this project.
IMPACT IF NOT PROVIDED: Impacts to the Navy's efforts to realign NAB Coronado as a center for amphibious and small craft operations. Fragmentation from Echelon IV subordinate command, SEAL Team SEVENTEEN and fragmentation from the rest of the NSW commands at the Naval Base Coronado Coastal Campus.
ADDITIONAL: No life cycle costs have been calculated at this time. This project is in compliance with current seismic requirements. Flood vulnerability determination for Naval Special Warfare Command projects has been accomplished by Naval Base Coronado and is part of the project planning process. Project is not sited within a designated 100-year floodplain
JOINT USE CERTIFICATION: N/A. USSOCOM budgets only for those facilities specifically for SOF use. Common support facilities are budgeted by the military departments. Reference Title 10, Section 165.

12. Supplemental Data:

A. Estimated Execution Data:

(1) Acquisition Strategy:	Design Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	Jun 20
(b) Percent of Design Completed as of Jan 2021:	35%
(c) Design or RFP Complete:	Jan 21
(d) Total Design Cost ($000):	1,200
(e) Energy Study and/or Life Cycle Analysis Performed:	No
(f) Standard or Definitive Design Used:	No

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE (YYYYMMDD)	REPORT CONTROL SYMBOL
USSOCOM		MAY 2021	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
NAVAL BASE CORONADO, CALIFORNIA	SOF NSWG11 OPERATIONS SUPPORT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	143	P-912	12,000

(3) Construction Data:

(a) Contract Award:	Mar 22
(b) Construction Start:	Jun 22
(c) Construction Complete:	Jun 24

B. Equipment Associated With This Project Which Will be Provided From Other Appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
Collateral Equipment	O&M, D-W	Future Request	550
C4I Equipment	O&M, D-W	Future Request	262
Collateral Equipment	PROC, D-W	Future Request	250
C4I Equipment	PROC, D-W	Future Request	113

Naval Special Warfare Command
Telephone: (619) 537-1050
This Headquarters has reviewed and validated the accuracy of the project justification.

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEF (USSOCOM)		MAY 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTRUCTION COST INDEX
FORT BENNING, GEORGIA	U.S. ARMY SPECIAL OPERATIONS COMMAND	0.96

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 20200901	389	2775	96	0	0	0	0	0	0	3260
b. END FY26	389	2775	96	0	0	0	0	0	0	3260

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	181,373
b. INVENTORY TOTAL AS OF 20200901	86,678
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	62,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	148,678

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
141	SOF BATTALION HEADQUARTERS FACILITY	8,547 SM (92,000 SF)	62,000	02/20	08/21

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

Support and training of 18th Airborne Corps (Airborne), major combat and combat support forces, special operations forces, reserve component training, and other tenant and satellite activities and units.
Special Operations Forces: organize, train, equip, and validate readiness of special operations forces for world-wide deployment in support of combatant commanders.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE (YYYYMMDD)	REPORT CONTROL SYMBOL
USSOCOM		MAY 2021	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
FORT BENNING, GEORGIA	SOF BATTALION HEADQUARTERS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	141	92792	62,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				**44,387**
BATTALION HEADQUARTERS BUILDING WITH CLASSROOMS (CC14183) (92,000 SF)	SM	8,547	4,579	(39,137)
BUILDING INFORMATION SYSTEMS	LS	--	--	(1,500)
SUSTAINABILITY AND ENERGY FEATURES	LS	--	--	(2,750)
CYBERSECURITY MEASURES	LS	--	--	(1,000)
SUPPORTING FACILITIES				**11,477**
UTILITIES	LS	--	--	(2,225)
SITE IMPROVEMENTS	LS	--	--	(1,275)
SPECIAL FOUNDATIONS	LS	--	--	(3,962)
ROADS, SIDEWALKS AND PARKING	LS	--	--	(2,631)
PASSIVE FORCE PROTECTION MEASURES	LS	--	--	(784)
CONSTRUCTION SECURITY SURVEILLANCE	LS	--	--	(600)

ESTIMATED CONTRACT COST				55,864
CONTINGENCY (5%)				2,793

SUBTOTAL				58,657
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				3,343

TOTAL REQUEST				62,000
TOTAL REQUEST (ROUNDED)				62,000
EQUIPMENT FROM OTHER APPROPRIATIONS				10,850

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a Battalion Headquarters Facility and two Company Operations Facilities with administrative, sensitive compartmented information facility, classrooms, readiness areas, arms room vault, secure storage, unit storage, lockers and parking areas. Building systems will include fire detection and suppression, energy management control integrated to match the local system, unclassified and classified communications networks, protected distribution system, intrusion detection, surveillance, and electronic access control. Supporting facilities include all related site-work and utilities (electrical, water, gas, sanitary sewer, and information systems distribution), lighting, parking, access drives, roads, curb and gutter, sidewalks, storm drainage, landscaping, special foundations, passive force protection measures, construction security surveillance, relocation of obstacle course, fast-rope tower, and transport plane training mockups, and other site improvements. Department of Defense (DOD) principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development features will be included in the design and construction of this project as appropriate. Appropriate cybersecurity measures will be applied to the facility-related control

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE (YYYYMMDD)	REPORT CONTROL SYMBOL
USSOCOM		MAY 2021	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
FORT BENNING, GEORGIA	SOF BATTALION HEADQUARTERS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	141	92792	62,000

systems in accordance with current DOD criteria. Access for individuals with disabilities will be provided. Comprehensive interior design and audio visual services are included.

11. Requirement: 8,547 SM (92,000 SF) **Adequate:** 0 SM **Substandard:** 8,331 SM (89,674 SF)

PROJECT: Construct a Battalion Headquarters Facility and two Company Operations Facilities.
REQUIREMENT: This project is required to provide new, permanent, standalone Battalion Operations facilities for 350 personnel of the 75th Ranger Regiment's Battalion along with the communications and security measures necessary for an intelligence battalion to operate.
CURRENT SITUATION: The Battalion Headquarters is currently operating out of Regiment Headquarters. The companies are operating out of less than adequate buildings and relocatable structures. Current facilities do not provide adequate space, communications, or security necessary for an intelligence battalion to operate.
IMPACT IF NOT PROVIDED: Battalion headquarters and companies will continue to lack the necessary administrative and readiness space to function properly and maintain its operational readiness. Additionally, the high level security required by an intelligence battalion will not be achieved.
ADDITIONAL: Alternative methods of meeting this requirement have been explored during project development and this project is the only feasible option. This project will be designed and constructed in accordance with Unified Facilities Criteria, Installation Architectural Compatibility Plan, other applicable DOD criteria, Army regulations, and applicable US Federal environmental laws and regulations. This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security mitigation in accordance with DOD Minimum Anti-Terrorism Standards for Buildings. The project site flood vulnerability determination has been accomplished by the installation and will be part of the project planning process. The project site is located above the 100-year flood plain.
JOINT USE CERTIFICATION: N/A. USSOCOM budgets only for those facilities specifically for SOF use. Common support facilities are budgeted by the military departments. Reference Title 10, Section 165.

12. Supplemental Data:

A. Estimated Execution Data

(1) Acquisition Strategy:	Design Bid Build
(2) Design Data	
(a) Design or Request for Proposal (RFP) Started:	Feb 20
(b) Percent of Design Completed as of January 2021:	35%
(c) Design or RFP Complete:	Aug 21
(d) Total Design Cost ($000):	6,200
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Basis of design standard or definitive?	No
(3) Construction Data:	
(a) Contract Award:	Mar 22
(b) Construction Start:	May 22
(c) Construction Complete:	Mar 24

B. Equipment Associated With This Project Which Will be Provided From Other Appropriations:

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE (YYYYMMDD)	REPORT CONTROL SYMBOL
USSOCOM		MAY 2021	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
FORT BENNING, GEORGIA	SOF BATTALION HEADQUARTERS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	141	92792	62,000

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
Collateral Equipment	O&M, D-W	Future Request	4,960
Collateral Equipment	PROC, D-W	Future Request	620
C4I Equipment	O&M, D-W	Future Request	930
C4I Equipment	PROC, D-W	Future Request	4,340

US Army Special Operation Command
Telephone: (910) 432-1296
This Headquarters has reviewed and validated the accuracy of the project justification.

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEF (USSOCOM)		MAY 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTRUCTION COST INDEX
FORT GEORGE G. MEADE, MARYLAND	JOINT SPECIAL OPERATIONS COMMAND	0.97

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 20200930	3	22	4	0	0	0	0	0	0	29
b. END FY26	47	191	34	0	0	0	0	0	0	272

a. TOTAL ACREAGE (acre)	10
b. INVENTORY TOTAL AS OF 20200930	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	100,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	100,000

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
141	SOF OPERATIONS FACILITY	10,576 SM (114,000 SF)	100,000	01/2020	08/2021

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

Fort George G Meade Installation's mission is to provide required services, infrastructure, a safe and secure community, and a quality of life that supports mission readiness and the Fort Meade community. The vision is the Nation's Center for Intelligence, Information, and Cyber Operations. The Joint Special Operations Command is a joint headquarters designed to study special operations requirements and techniques; ensure operability and equipment standardization; plan and conduct special operations exercises and training; and develop joint special operations tactics.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE (YYYYMMDD)	REPORT CONTROL SYMBOL
USSOCOM		MAY 2021	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
FORT GEORGE G. MEADE, MARYLAND	SOF OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140415BB	141	92746	100,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				**81,164**
SOF OPERATION FACILITY (CC 14162)(114,000 SF)	SM	10,576	7,315	(77,364)
CYBERSECURITY MEASURES	LS			(600)
SUSTAINABILITY AND ENERGY FEATURES	LS			(900)
STANDBY GENERATOR	MW	2	1,150	(2,300)
SUPPORTING FACILITIES				**9,295**
ELECTRIC SERVICE	LS			(1,972)
WATER, SEWER, GAS	LS			(355)
PAVING, WALKS, CURBS, AND GUTTERS	LS			(2,094)
STORM DRAINAGE	LS			(666)
SITE IMPROVEMENTS	LS			(2,708)
CONSTRUCTION SECURITY SURVEILLANCE	LS			(1,500)
ESTIMATED CONTRACT COST				90,459
CONTINGENCY (5%)				4,523
SUBTOTAL				94,982
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				5,414
TOTAL REQUEST				100,396
TOTAL REQUEST (ROUNDED)				100,000
EQUIPMENT FROM OTHER APPROPRIATIONS				(23,742)

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a specially designed SOF Operations Facility of permanent construction for approximately 196 personnel, including supporting facilities with associated site work and environmental measures. The facility will be built on Fort Meade, Maryland and will be a single construction award.

The primary facility will be comprised of a two story structure. The facility includes open office spaces, operations areas, Sensitive Compartmented Information Facility (SCIF) spaces, large server areas, building utilities and connections and redundant mechanical and electrical systems, secure telecommunication distribution systems, loading/dock platform, and support space. The mission support areas provide joint staff offices, executive offices, labs, collaborative spaces, and meeting rooms.

The project consists of core and shell structure and foundations; elevator conveyance systems; electrical/mechanical service and distribution components and systems; fire protection, alarm and suppression; information technology and infrastructure, communications, and security systems support infrastructure; exterior finishes and weatherproofing. Interior build out will provide raised access floor

systems, acoustically-rated interior partitions and ceilings, power, lighting, environmental control and communications.

The majority of the structure will be built to SCIF standards. The SCIF areas will be designed per the Intelligence Community Technical Specification ICS 705-1. The project includes redundant primary power, on-site standby generation, and Uninterruptible Power Supply systems to ensure continuity of operations. This project requires comprehensive interior design.

Support facilities will include primary electrical service to the site, water, sewer, and telecommunications pathways. Includes site preparation and infrastructure improvements, utility services, and perimeter security measures. Site preparation will include standard clearing, grubbing, cut, fill, grading and environmental protection structures. Additional site work consists of curb and gutter, walkways, courtyards, parking lots, roads, drop-off area with retractable bollards, paved loading dock and access road, fire access road, landscaping, and bio-retention areas.

Department of Defense (DoD) principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with Federal laws and Executive Orders. Low Impact Development features will be included in the design and construction this project as appropriate. Cybersecurity measures will be applied to the facility-related control systems in accordance with current DoD criteria.

11. Requirement: 10,576 SM (114,000 SF) **Adequate:** 0 SM (0 SF) **Substandard:** 10,576 SM (114,000 SF)

PROJECT: Construct a new permanent SOF Operations Facility that will include office spaces, operations areas, SCIF spaces, large server areas, basic building utilities and connections, and redundant mechanical and electrical systems, secure telecommunication distribution systems, and loading/dock platform, on Fort Meade, Maryland (Current Mission).

REQUIREMENT: The Unit requires this facility to support operations. The Unit maintains relationships with nearby partners on the installation and this location is ideal for this collaboration. This project is required to replace space currently being leased in multiple facilities, resulting in fragmented operations. Network operations are prevented from realizing the full potential of the collaborative, cohesive work environments required by these organizations.

CURRENT SITUATION:

Current operation spaces are not enduring and inadequate for the current mission, and will not support Joint Cyber Operations Group manning for FY22. Organization is currently facing mission challenges posed by inadequate physical security and anti-terrorism compliance, fragmented operations and a space deficit. Due to limitation of this rented space, unit cannot collocate all of their members and has split operations. Further, this space is outside of a government controlled base and creates potential operations security (OPSEC) vulnerabilities. Lastly, this unit has growth projections that will far exceed the current rented space and would be forced to relocate some of the projected growth to other leased facilities, further exasperating the current split operations.

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE (YYYYMMDD)	REPORT CONTROL SYMBOL
USSOCOM		MAY 2021	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
FORT GEORGE G. MEADE, MARYLAND	SOF OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140415BB	141	92746	100,000

IMPACT IF NOT PROVIDED: If this facility is not funded, this organization will continue to operate within a deficit of space that will directly impact operational effectiveness and readiness. Undersized, fragmented spaces will continue to be leased that pose OPSEC vulnerabilities to personnel, and sensitive operational information.

ADDITIONAL: Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. An economic analysis has been prepared for this project and utilized in evaluating this project and determined this project to be the only viable option to satisfy the requirement. The project will be designed and constructed in accordance with Unified Facilities Criteria, Installation Architectural Compatibility Plan, other applicable DoD criteria, Army regulations, and applicable Federals and state environmental laws and regulations. This project will provide Anti- Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings. The project site flood vulnerability determination has been accomplished by the installation and will be part of the project planning process; project site is located above the 100-year flood plain.

JOINT USE CERTIFICATION: N/A. USSOCOM budgets only for those facilities specifically for SOF use. Common support facilities are budgeted by the military departments. Reference Title 10, Section 165.

12. Supplemental Data:

A. Estimated Execution Data	
(1) Acquisition Strategy:	Design Bid Build
(2) Design Data	
(a) Design or Request for Proposal (RFP) Started:	Jan 20
(b) Percent of Design Completed as of Jan 2021	65%
(c) Design or RFP Complete:	Aug 21
(d) Total Design Cost ($000):	10,000
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Standard or definitive design used:	No
(3) Construction Data	
(a) Contract Award:	Mar 22
(b) Construction Start:	May 22
(c) Construction Complete:	Mar 24

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE (YYYYMMDD)	REPORT CONTROL SYMBOL
USSOCOM		MAY 2021	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
FORT GEORGE G. MEADE, MARYLAND	SOF OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140415BB	141	92746	100,000

B. Equipment Associated With This Project Which Will be Provided From Other Appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
C4I Equipment	Proc, D-W	Future Request	17,942
Collateral Equipment	O&M, D-W	Future Request	4,800
C4I Equipment	O&M, D-W	Future Request	1,000

Joint Special Operations Command
Telephone: (910) 243-0550

This Headquarters has reviewed and validated the accuracy of the project justification.

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE (YYYYMMDD)	REPORT CONTROL SYMBOL
USSOCOM		MAY 2021	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
FORT GEORGE G. MEADE, MARYLAND	SOF OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140415BB	141	92746	100,000

Project Spending Plan

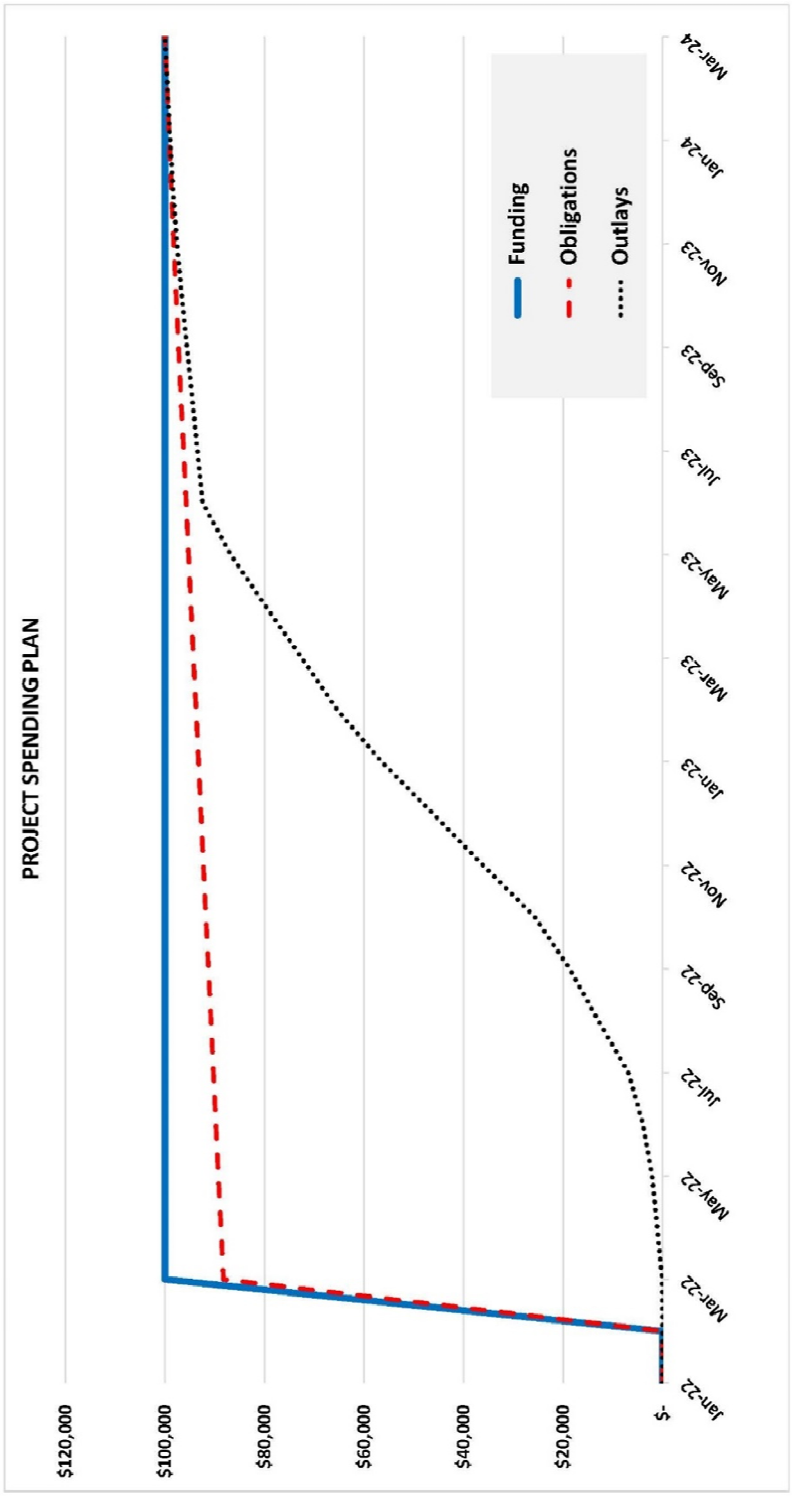
	FUNDING		OBLIGATIONS		OUTLAYS	
Month-Year	Enacted	Cumulative	Obligated	Cumulative	Monthly	Cumulative
Jan-22	$ -	$ -	$ -	$ -	$ -	$ -
Feb-22	$ -	$ -	$ -	$ -	$ -	$ -
Mar-22	$ 100,000	$ 100,000	$ 88,259	$ 88,259	$ 63	$ 63
Apr-22	$ -	$ 100,000	$ 500	$ 88,759	$ 977	$ 1,040
May-22	$ -	$ 100,000	$ 500	$ 89,259	$ 1,035	$ 2,075
Jun-22	$ -	$ 100,000	$ 500	$ 89,759	$ 1,845	$ 3,920
Jul-22	$ -	$ 100,000	$ 500	$ 90,259	$ 2,987	$ 6,907
Aug-22	$ -	$ 100,000	$ 500	$ 90,759	$ 6,007	$ 12,913
Sep-22	$ -	$ 100,000	$ 500	$ 91,259	$ 5,786	$ 18,699
Oct-22	$ -	$ 100,000	$ 500	$ 91,759	$ 6,983	$ 25,683
Nov-22	$ -	$ 100,000	$ 500	$ 92,259	$ 10,375	$ 36,058
Dec-22	$ -	$ 100,000	$ 500	$ 92,759	$ 10,133	$ 46,190
Jan-23	$ -	$ 100,000	$ 500	$ 93,259	$ 10,294	$ 56,484
Feb-23	$ -	$ 100,000	$ 500	$ 93,759	$ 8,864	$ 65,349
Mar-23	$ -	$ 100,000	$ 500	$ 94,259	$ 7,122	$ 72,470
Apr-23	$ -	$ 100,000	$ 500	$ 94,759	$ 7,290	$ 79,761
May-23	$ -	$ 100,000	$ 500	$ 95,259	$ 6,999	$ 86,759
Jun-23	$ -	$ 100,000	$ 500	$ 95,759	$ 5,661	$ 92,420
Jul-23	$ -	$ 100,000	$ 500	$ 96,259	$ 1,035	$ 93,455
Aug-23	$ -	$ 100,000	$ 500	$ 96,759	$ 1,055	$ 94,510
Sep-23	$ -	$ 100,000	$ 500	$ 97,259	$ 1,074	$ 95,584
Oct-23	$ -	$ 100,000	$ 500	$ 97,759	$ 1,035	$ 96,619
Nov-23	$ -	$ 100,000	$ 500	$ 98,259	$ 991	$ 97,610
Dec-23	$ -	$ 100,000	$ 435	$ 98,694	$ 743	$ 98,353
Jan-24	$ -	$ 100,000	$ 435	$ 99,130	$ 613	$ 98,966
Feb-24	$ -	$ 100,000	$ 435	$ 99,565	$ 563	$ 99,529
Mar-24	$ -	$ 100,000	$ 435	$ 100,000	$ 471	$ 100,000
Apr-24						
May-24						
Jun-24						
Jul-24						
Aug-24						
Sep-24						
Oct-24						
Nov-24						
Dec-24						

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE (YYYYMMDD)	REPORT CONTROL SYMBOL
USSOCOM		MAY 2021	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
FORT GEORGE G. MEADE, MARYLAND	SOF OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140415BB	141	92746	100,000

WIP Curve Graph



1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEF (USSOCOM)		MAY 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
YOKOTA AIR BASE, JAPAN	AIR FORCE SPECIAL OPERATIONS COMMAND	2.11

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 20200930	28	175	1	0	0	0	0	0	0	204
b. END FY26	29	245	1	0	0	0	0	0	0	275

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	1,750
b. INVENTORY TOTAL AS OF 20200930	85,938
c. AUTHORIZATION NOT YET IN INVENTORY	77,600
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	108,253
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	108,253

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
211	HANGAR/AMU	7,087 SM (76,200 SF)	108,253	04/15	05/21

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

The 353d Special Operations Group is the focal point for special operations aviation activities throughout the Pacific. Under operational control of the commander, Special Operations Command Pacific, the 353 SOG plans and executes general war and contingency operations using advanced aircraft, tactics and techniques to infiltrate, exfiltrate, resupply and support special operations forces. The 353d SOG's 21st Special Operations Squadron and 753rd Special Operations Aircraft Maintenance Squadron operate and maintain CV-22 Ospreys, AFSOC's primary long-range mobility platform.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

DD FORM 1390, JUL 1999

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. DATE (YYYYMMDD)	REPORT CONTROL SYMBOL
USSOCOM		MAY 2021	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
YOKOTA AIR BASE, JAPAN	HANGAR/AMU

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	211	AFSOC103007	108,253

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				**86,581**
HANGAR (CC21111) (34,400 SF)	SM	3,200	11,575	(37,040)
AMU/SHOPS (CC21115) (41,800 SF)	SM	3,887	11,882	(46,185)
CYBERSECURITY MEASURES	LS	--	--	(1,678)
SUSTAINABILITY AND ENERGY FEATURES	LS	--	--	(1,678)
SUPPORTING FACILITIES				**10,225**
UTILITIES	LS	--	--	(362)
SITE IMPROVEMENTS	LS	--	--	(772)
PAVEMENTS	LS	--	--	(5,438)
COMMUNICATION	LS	--	--	(38)
AIRFIELD PAVEMENTS	LS	--	--	(1,600)
CRANES	EA	3	240	(720)
MITIGATION	LS	--	--	(875)
AT/FP/PHYSICAL SECURITY MEASURES	LS	--	--	(420)

ESTIMATED CONTRACT COST				96,806
CONTINGENCY (5%)				4,840

SUBTOTAL				101,646
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				6,607

TOTAL REQUEST				108,253
TOTAL REQUEST (ROUNDED)				108,253
EQUIPMENT FROM OTHER APPROPRIATIONS				(3,264)

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Construct three bay aircraft hangar with concrete foundation and floor slab, steel high bay, roof, cranes, motorized hangar doors and tracks, fire alarm and suppression system to include cranes, and all necessary support. Aircraft maintenance Unit (AMU) requires such areas as administrative, tool room, supply/bench stock area, storage, shop areas, emergency shower and eyewash stations, locker areas with shower, and break area. Includes utilities, pavements, campus parking, sidewalks, site improvements, communications and all other necessary support. Hangar access airfield pavements will clear, excavate, place base material and concrete pavement, asphalt shoulder, airfield markings, storm water retention, storm drainage, lighting and all other necessary support and be integrated into new airfield apron. Project AFSOC103022 Airfield Apron provides primary and secondary roadways, utilities, site improvements, communications, and mitigation for possible dud munitions for site preparation. All work carried out is to comply with current base, Air Force, and Host Nation standards. Department of Defense (DoD) principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development features will be included in the design and construction of this project as appropriate. This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE (YYYYMMDD)	REPORT CONTROL SYMBOL
USSOCOM		MAY 2021	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
YOKOTA AIR BASE, JAPAN	HANGAR/AMU

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	211	AFSOC103007	108,253

regulations and physical security mitigation in accordance with DoD Minimum AT/FP features and comply with AT/FP regulations and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings. Appropriate cybersecurity measures will be applied to the facility-related control systems in accordance with current DoD criteria.

11. Requirement: 7,087 SM (76,200 SF) **Adequate:** 0 SM (0 SF) **Substandard:** 3,623 SM (39,000 SF)

PROJECT: Construct Hangar/AMU facility.
REQUIREMENT: Adequate facility, properly sized and configured, for a multi-bay aircraft hangar and an aircraft maintenance unit to support special operations forces (SOF) CV-22 aircraft bed-down. Hangar space is authorized to conduct recurring and major maintenance, inspection of phase level maintenance, typhoon preparations, and to provide protection from the elements. Development of the special operations mobility capacity supports primary mission of insertion, extraction, and re-supply of unconventional warfare forces and equipment into hostile or enemy-controlled territory using air-land or airdrop procedures.
CURRENT SITUATION: The installation lacks facilities to adequately support this function. As an interim solution, the special operations AMU is currently in borrowed maintenance and storage spaces; operating with a significant space shortfall. Many items usually stored indoors will be staged outside, decreasing their life expectancy. Interim hangar bay will only accommodate two of the three authorized spaces. Additionally, the two spaces are extremely inefficient with one aircraft being blocked in the hangar by the other resulting in maintenance restrictions and scheduling issues. Because the hangar was not purpose built, aircraft will require careful towing and placement to meet aircraft separation requirements and support of operations tempo. Interim aircraft parking have the aircraft located away from the hangar such that maintenance personnel will routinely require use of a vehicle to transport tools, equipment, and parts for daily maintenance and aircraft launch activities. Without an adequate number of hangar bays and maintenance shops, maintenance operations are inefficient, resulting in a high potential for reduced mission capability. In addition to the impact on mission capability, maintenance operations in inclement weather and under temporary lighting increases the safety risk for maintainers and aircrews as well as airframes.
IMPACT IF NOT PROVIDED: Day-to-day maintenance operations will continue to be inefficient as maintainers work with a shortage in required hangar bays, back shops, and storage. Reduced equipment life expectancy will reduce equipment availability and increase costs to the government. The lack of adequate hangar facilities will adversely impact the special operations maintenance turn-around times which will reduce aircraft mission capability rates. Without covered maintenance space, inclement weather and darkness will directly impact mission readiness. Reduced aircraft availability and mission readiness creates an overall negative impact to operations in support of USSOCOM missions.
ADDITIONAL: This project meets the criteria/scope specified in Air Force Manual 32-1084, Facility Requirements. Alternative methods of meeting this requirement have been explored during project development and this project is the most feasible option. The economic analysis waiver is pending. Project is not sited in a 100-year floodplain.
JOINT USE CERTIFICATION: N/A. USSOCOM budgets only for those facilities specifically for SOF use. Common support facilities are budgeted by the military departments. Reference Title 10, Section 165.

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE (YYYYMMDD)	REPORT CONTROL SYMBOL
USSOCOM		MAY 2021	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
YOKOTA AIR BASE, JAPAN	HANGAR/AMU

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	211	AFSOC103007	108,253

12. SUPPLEMENTAL DATA:

A. Estimated Execution Data

(1) Acquisition Strategy — Design-Bid-Build

(2) Design Data

(a) Design or Request for Proposal (RFP) Started	Apr 15
(b) Percent Complete as of January 2021	90%
(c) Design or RFP Complete:	May 21
(d) Total Design Cost ($000)	10,825
(e) Energy Study and Life Cycle Analysis Performed	No
(f) Standard or definitive design used?	No

(3) Construction Data

(a) Contract Award	Jan 22
(b) Construction Start	Mar 22
(c) Construction Complete	Jan 25

B. Equipment Associated With This Project Which Will be Provided From Other Appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
Collateral Equipment	O&M, D-W	Future Request	2,448
C4I Equipment	O&M, D-W	Future Request	816

:

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE (YYYYMMDD)	REPORT CONTROL SYMBOL
USSOCOM		MAY 2021	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:		
YOKOTA AIR BASE, JAPAN	HANGAR/AMU		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	211	AFSOC103007	108,253

D. Authorization and Appropiation Summary:

	Authorization ($000)	Auth of Approp ($000)	Approp ($000)
FY 2017 Enacted	39,466	39,466	39,466
FY 2018 Enacted	12,034	12,034	12,034
Reallocated to 10 USC 2808 projects	------	------	(51,500)
Cost Variation	56,753	------	------
FY 2022 Request	0	108,253	108,253
Total	108,253		108,253

Air Force Special Operations Command
Telephone: (850) 884-2371
This Headquarters has reviewed and validated the accuracy of the project justification.

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE (YYYYMMDD)	REPORT CONTROL SYMBOL
USSOCOM		MAY 2021	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
YOKOTA AIR BASE, JAPAN	HANGAR/AMU

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	211	AFSOC103007	108,253

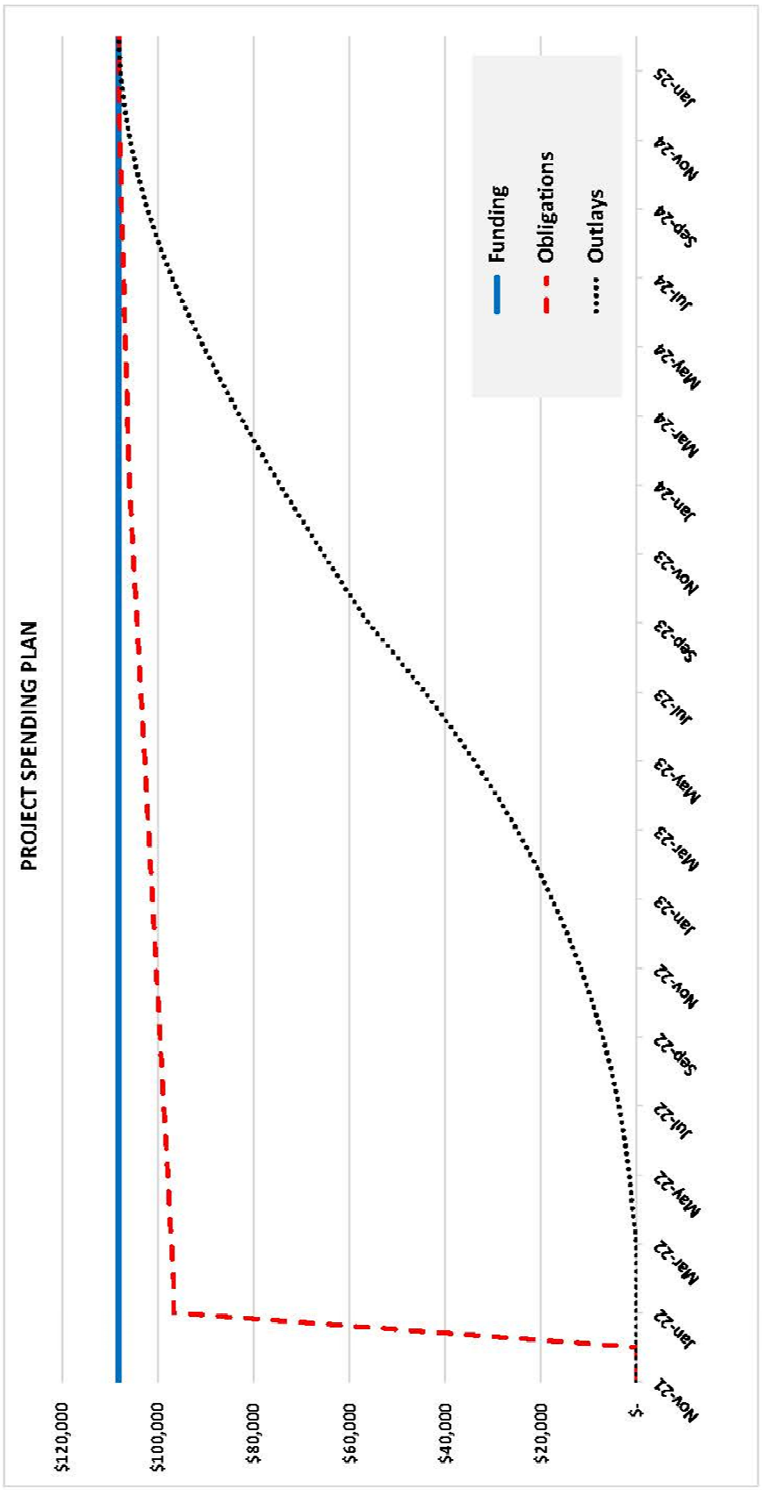
Project Spending Plan

	FUNDING		OBLIGATIONS		OUTLAYS	
Month-Year	Enacted	Cumulative	Obligated	Cumulative	Monthly	Cumulative
Nov-21	$ 108,253	$ 108,253	$ -	$ -	$ -	$ -
Dec-21	$ -	$ 108,253	$ -	$ -	$ -	$ -
Jan-22	$ -	$ 108,253	$ 96,806	$ 96,806	$ -	$ -
Feb-22	$ -	$ 108,253	$ -	$ 96,806	$ -	$ -
Mar-22	$ -	$ 108,253	$ 400	$ 97,206	$ -	$ -
Apr-22	$ -	$ 108,253	$ 400	$ 97,606	$ 882	$ 882
May-22	$ -	$ 108,253	$ 400	$ 98,006	$ 620	$ 1,502
Jun-22	$ -	$ 108,253	$ 400	$ 98,406	$ 959	$ 2,461
Jul-22	$ -	$ 108,253	$ 400	$ 98,806	$ 1,254	$ 3,715
Aug-22	$ -	$ 108,253	$ 400	$ 99,206	$ 1,544	$ 5,260
Sep-22	$ -	$ 108,253	$ 400	$ 99,606	$ 1,818	$ 7,077
Oct-22	$ -	$ 108,253	$ 400	$ 100,006	$ 2,157	$ 9,234
Nov-22	$ -	$ 108,253	$ 400	$ 100,406	$ 2,457	$ 11,691
Dec-22	$ -	$ 108,253	$ 400	$ 100,806	$ 2,828	$ 14,520
Jan-23	$ -	$ 108,253	$ 400	$ 101,206	$ 3,178	$ 17,698
Feb-23	$ -	$ 108,253	$ 400	$ 101,606	$ 3,408	$ 21,106
Mar-23	$ -	$ 108,253	$ 400	$ 102,006	$ 3,909	$ 25,016
Apr-23	$ -	$ 108,253	$ 400	$ 102,406	$ 4,227	$ 29,242
May-23	$ -	$ 108,253	$ 400	$ 102,806	$ 4,652	$ 33,894
Jun-23	$ -	$ 108,253	$ 400	$ 103,206	$ 4,963	$ 38,857
Jul-23	$ -	$ 108,253	$ 400	$ 103,606	$ 5,394	$ 44,252
Aug-23	$ -	$ 108,253	$ 400	$ 104,006	$ 5,754	$ 50,006
Sep-23	$ -	$ 108,253	$ 400	$ 104,406	$ 6,122	$ 56,128
Oct-23	$ -	$ 108,253	$ 400	$ 104,806	$ 4,731	$ 60,859
Nov-23	$ -	$ 108,253	$ 400	$ 105,206	$ 4,592	$ 65,451
Dec-23	$ -	$ 108,253	$ 400	$ 105,606	$ 4,600	$ 70,051
Jan-24	$ -	$ 108,253	$ 400	$ 106,006	$ 4,488	$ 74,539
Feb-24	$ -	$ 108,253	$ 200	$ 106,206	$ 4,181	$ 78,720
Mar-24	$ -	$ 108,253	$ 200	$ 106,406	$ 4,178	$ 82,898
Apr-24	$ -	$ 108,253	$ 200	$ 106,606	$ 3,893	$ 86,791
May-24	$ -	$ 108,253	$ 200	$ 106,806	$ 3,732	$ 90,523
Jun-24	$ -	$ 108,253	$ 200	$ 107,006	$ 3,382	$ 93,905
Jul-24	$ -	$ 108,253	$ 200	$ 107,206	$ 3,146	$ 97,051
Aug-24	$ -	$ 108,253	$ 200	$ 107,406	$ 2,801	$ 99,853
Sep-24	$ -	$ 108,253	$ 200	$ 107,606	$ 2,381	$ 102,234
Oct-24	$ -	$ 108,253	$ 200	$ 107,806	$ 2,037	$ 104,270
Nov-24	$ -	$ 108,253	$ 200	$ 108,006	$ 1,600	$ 105,870
Dec-24		$ 108,253	$ 150	$ 108,156	$ 1,218	$ 107,088
Jan-25		$ 108,253	$ 97	$ 108,253	$ 797	$ 107,885
Feb-25		$ 108,253		$ 108,253	$ 368	$ 108,253

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE (YYYYMMDD)	REPORT CONTROL SYMBOL
USSOCOM		MAY 2021	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:		
YOKOTA AIR BASE, JAPAN	HANGAR/AMU		
5. PROGRAM ELEMENT	**6. CATEGORY CODE**	**7. PROJECT NUMBER**	**8. PROJECT COST ($000)**
1140494BB	211	AFSOC103007	108,253

WIP Curve Graph



Washington Headquarters Services
FY 2022 Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
Virginia				
Pentagon (Raven Rock)				
Consolidated Maintenance Complex	20,000	20,000	C	122
Pentagon (Raven Rock)				
Force Protection Perimeter Enhancements	8,608	8,608	C	125
Pentagon (Raven Rock)				
Public Works Support Facility	21,935	21,935	C	127
Total	**50,543**	**50,543**		

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROGRAM	2. DATE
Washington Headquarters Services		May 2021

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
Pentagon Reservation (Raven Rock Mountain Complex)	OSD/CMO/WHS	1.14

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 30 Sep 2020										27,488
b. END FY 2022										27,488

7. INVENTORY DATA *($000)*	
a. TOTAL ACREAGE (acre)	0.00
b. INVENTORY TOTAL AS OF YYYMMDD	0.00
c. AUTHORIZATION NOT YET IN INVENTORY	0.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	50,543.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	0.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	50,543.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
21910	Consolidated Maintenance Complex	23,000 SF	20,000	JUN 2019	JAN 2021
87224	Force Protection Perimeter Enhancements	2,448 LF	8,608	FEB 2020	JAN 2021
44182	Public Works Support Facility	33,184 SF; 2,000 GAL	21,935	JUN 2019	JAN 2021

9. FUTURE PROJECTS*

10. MISSION OR MAJOR FUNCTIONS

Raven Rock Mountain Complex provides a premier secure strategic battle command platform in which the Department of Defense can execute its mission essential functions in support of continuity of operations.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. Air Pollution	0
B. Water Pollution	0
C. Occupational Safety and Health	0

DD FORM 1390, JUL 1999

1. COMPONENT WHS	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date May 2021

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Pentagon Reservation (Raven Rock Mountain Complex)	Consolidated Maintenance Complex

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0901584D8W	21910	90570	20,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				**11,890**
MAINTENANCE & OPERATIONS FACILITY (CC 21910)	SF	23,000	498.13	(11,457)
BUILDING INFORMATION SYSTEMS	LS			(433)
SUPPORTING FACILITIES				**5,474**
SITE PREPARATION	LS			(1,095)
SITE IMPROVEMENTS	LS			(1,518)
ELECTRIC SERVICES	LS			(436)
COMMUNICATIONS SERVICES	LS			(417)
WATER AND SANITARY SEWER SERVICES	LS			(1,057)
STORMWATER MANAGEMENT	LS			(299)
PERMITS	LS			(279)
POST-CONSTRUCTION CONTRACT AWARD SERVICES	LS			(373)
SUBTOTAL				**17,364**
CONTINGENCY (5%)				868
TOTAL CONTRACT COST				**18,232**
SUPERVISION, INSPECTION AND OVERHEAD (SIOH) (5.7%)				1,039
DESIGN/BUILD- DESIGN COST (4%)				729
TOTAL REQUEST				**20,000**
TOTAL REQUEST (ROUNDED)				**20,000**
EQUIPMENT FROM OTHER APPROPRIATIONS				5,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a building for maintenance, environmental, and logistical functions to include maintenance bays, administrative space, indoor vehicle wash bay, and storage area with all associated interior utility, communications, and intrusion detection requirements.

Building information systems include energy monitoring control systems, cyber security systems, and related systems.

Site preparation includes standard clearing and grubbing, cut and fill, grading, and boulder removal.

Site improvements include paving of roads and parking area, sidewalks, concrete equipment pads, retaining structures, surveillance infrastructure, and landscaping.

Electrical services include secondary service connections, transformer, site lighting, and emergency power connection.

Communications to be constructed include cabling connections to existing sources, manhole and underground system, and distribution to surveillance and life safety equipment. Included is also cybersecurity features outside of the building.

Water services included in this project are potable water main connections and lines for use with distribution and fire suppression, incidentally a bulk water tank and associated pumps are included to meet fire code requirements.

1. COMPONENT WHS	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date May 2021
3. INSTALLATION AND LOCATION Pentagon Reservation (Raven Rock Mountain Complex)		4. PROJECT TITLE: Consolidated Maintenance Complex	
5. PROGRAM ELEMENT 0901584D8W	6. CATEGORY CODE 21910	7. PROJECT NUMBER 90570	8. PROJECT COST ($000) 20,000

Sewer connections and collection system with associated pumps and equipment are included.

Storm water management includes retention structures, drain boxes, piping, drainage basins, and outfalls. Low Impact Development features will be included utilizing best management practices.
Permits required for land disturbance are included with this project.

Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria (UFC).

Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.

11. REQUIREMENT: 23,000 SF **ADQT:** 0 SF **SUBSTD:** 0 SF

PROJECT: Construct a new building for vehicle and equipment maintenance, outside communications maintenance, and administrative activities. This project will also include parking, water distribution and storage, storm water system, erosion control measures, electrical, and communications services.

REQUIREMENT: Relocate public works functions away from the perimeter to create standoff and provide safe operations and maintenance. The facility also has a requirement to provide a safe year round use wash bay to conduct cleaning of equipment and vehicles.

Raven Rock Mountain Complex is required to meet UFC security standoff requirements while providing a safe working environment for personnel. The project will construct the required sized maintenance bays and administrative space for personnel to complete their daily functions. The construction of this building also allows Raven Rock Mountain Complex to address the deteriorating perimeter, fence, and roadway in future restoration projects. Additionally, this project also follows guidance for constructing permanent buildings in lieu of relocatable buildings.

CURRENT SITUATION: The existing facilities were constructed when Fort Ritchie closed in 1998 and current daily operations are limited due to the size and configuration of the buildings. Maintenance and administrative personnel currently utilize relocatable office trailers to conduct their daily administrative activities. The current wash bay is limited for use to when temperatures are above freezing due to its current state and is not of adequate size for equipment and vehicles. Real property assets and structures have exceeded their lifecycles and are in a state of constant and costly repairs. Lastly, the current perimeter requires constant repairs due to erosion but is inaccessible since the current buildings limit perimeter access.

This facility is not located in a 100-year flood plain.

IMPACT IF NOT PROVIDED: Personnel will continue to work with limited capabilities and be placed in unsafe locations due to the existing building entrances being located within six feet of active roadway with no barricades or protection. Proper UFC standoff requirements will not be met and annual waivers for physical security will continue to be issued. Additionally, since the existing facilities restrict access to the perimeter fence, the terrain will continue to degrade, requiring costly and unscheduled repairs due to erosion and slope failure.

1. COMPONENT WHS	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date May 2021
3. INSTALLATION AND LOCATION Pentagon Reservation (Raven Rock Mountain Complex)		4. PROJECT TITLE: Consolidated Maintenance Complex	
5. PROGRAM ELEMENT 0901584D8W	6. CATEGORY CODE 21910	7. PROJECT NUMBER 90570	8. PROJECT COST ($000) 20,000

12. SUPPLEMENTAL DATA:

A. Estimated Execution Data:

(1) Acquisition Strategy:	Design/Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	JUN 2019
(b) Percent of Design Completed as of January 2021:	35%
(c) Design or RFP Complete:	JAN 2021
(d) Total Design Cost ($000):	$2,034
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Standard or Definitive Design Used:	No
(3) Construction Data:	
(a) Contract Award:	MAR 2022
(b) Construction Start:	OCT 2022
(c) Construction Complete:	SEP 2024

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

Equipment Nomenclature	Procuring Appropriation	FY Appropriated of Requested	Cost ($000)
FFE	PRMRF	Future Request	$4,550
Security Equipment	PRMRF	Future Request	$450

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1. COMPONENT WHS	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date May 2021

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Pentagon Reservation (Raven Rock Mountain Complex)	Force Protection Perimeter Enhancements

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0901584D8W	87224	95677	8,608

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				**2,742**
SECURITY FENCE (CC 87224)	LF	2,448	1,120	(2,742)
SUPPORTING FACILITIES				**4,732**
SITE PREPARATION	LS			(1,197)
SITE IMPROVEMENTS	LS			(1,607)
ELECTRIC SERVICES	LS			(1,048)
STORMWATER MANAGEMENT	LS			(480)
PERMITS	LS			(288)
POST-CONSTRUCTION CONTRACT AWARD SERVICES	LS			(112)
SUBTOTAL				**7,474**
CONTINGENCY (5%)				374
TOTAL CONTRACT COST				**7,847**
SUPERVISION, INSPECTION AND OVERHEAD (SIOH) (5.7%)				447
DESIGN/BUILD- DESIGN COST (4%)				314
TOTAL REQUEST				**8,608**
TOTAL REQUEST (ROUNDED)				**8,600**
EQUIPMENT FROM OTHER APPROPRIATIONS				3,176

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct perimeter security fencing in accordance with requirements for Nuclear Command and Control Facilities to include chain-link fencing, fence lighting, electrical distribution, and security equipment pathways.

Site preparation includes standard clearing and grubbing, cut and fill, grading, and boulder removal.

Site improvements include paved patrol path, landscaping, and covered stairway and walkway.

Electric services include secondary service connections from source to fence location to support the lighting and security equipment, transformer, manhole system, and underground pathways.

Storm water management includes drain boxes, piping, drainage basins, and outfalls. Low Impact Development features will be included utilizing Maryland best management practices.

Permits included in this project consist of mitigation costs for clearing forested areas.

Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria (UFC).

Facilities will incorporate features that provide the lowest practical life cycle cost solutions, satisfying the facility requirements with the goal of maximizing energy efficiency.

1. COMPONENT WHS	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date May 2021
3. INSTALLATION AND LOCATION Pentagon Reservation (Raven Rock Mountain Complex)		4. PROJECT TITLE: Force Protection Perimeter Enhancements	
5. PROGRAM ELEMENT 0901584D8W	6. CATEGORY CODE 87224	7. PROJECT NUMBER 95677	8. PROJECT COST ($000) 8,608

11. REQUIREMENT: 2,448 LF **ADQT:** 0 LF **SUBSTD:** 0 LF

PROJECT: Construct perimeter fencing with required security features.

REQUIREMENT: Nuclear Command and Control Facilities require a perimeter fence with clear zone, stand-off, and clear line of demarcation.

CURRENT SITUATION: Real property assets and structures are located within the required standoff distance of the existing fence line and require annual security waivers since the site does not meet UFC security requirements for anti-terrorism. The existing perimeter fencing was constructed prior to current security requirements and cannot be repaired to achieve security compliance. Additionally, current fencing is in a state that requires constant repairs to both the fence and erosion control.

This facility is not located in a 100-year flood plain.

IMPACT IF NOT PROVIDED: Physical security components will continue to not meet requirements for Nuclear Command and Control Facilities, annual waivers for physical security will continue to be issued, and site will continue to degrade and require unscheduled repairs.

12. SUPPLEMENTAL DATA:

A. Estimated Execution Data:

(1) Acquisition Strategy:	Design/Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	FEB 2020
(b) Percent of Design Completed as of January 2021:	35%
(c) Design or RFP Complete:	JAN 2021
(d) Total Design Cost ($000):	$853
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Standard or Definitive Design Used:	Yes
(3) Construction Data:	
(a) Contract Award:	MAR 2022
(b) Construction Start:	OCT 2022
(c) Construction Complete:	NOV 2023

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

Equipment Nomenclature	Procuring Appropriation	FY Appropriated of Requested	Cost ($000)
FFE	PRMRF	Future Request	$2,200
Security Equipment	PRMRF	Future Request	$976

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1. COMPONENT WHS	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**	2. Date May 2021

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
Pentagon Reservation (Raven Rock Mountain Complex)	Public Works Support Facility

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0901584D8W	44182	95696	21,935

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				**6,629**
PUBLIC WORKS SUPPORT FACILITY (CC 44182)	SF	33,184	154.93	(5,141)
ABOVE GROUND FUEL STORAGE (CC 12481)	GAL	2,000	320.00	(640)
BUILDING INFORMATION SYSTEMS	LS			(848)
SUPPORTING FACILITIES				**12,414**
SITE PREPARATION	LS			(3,204)
ELECTRIC SERVICES	LS			(865)
WATER SERVICES	LS			(1,350)
COMMUNICATIONS SERVICES	LS			(902)
SITE IMPROVEMENTS	LS			(3,229)
STORMWATER MANAGEMENT	LS			(1,869)
DEMOLITION	LS			(287)
PERMITS	LS			(287)
POST-CONSTRUCTION CONTRACT AWARD SERVICES	LS			(421)
SUBTOTAL				**19,043**
CONTINGENCY (5%)				952
TOTAL CONTRACT COST				**19,995**
SUPERVISION, INSPECTION AND OVERHEAD (SIOH) (5.7%)				1,140
DESIGN/BUILD- DESIGN COST (4%)				800
TOTAL REQUEST				**21,935**
TOTAL REQUEST (ROUNDED)				**21,900**
EQUIPMENT FROM OTHER APPROPRIATIONS				1,500

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a high bay public works support facility to store vehicles, equipment, and environmental functions. Included within the facility is fire suppression and detection, communications, and intrusion detection.

Building information systems include energy monitoring control systems, cyber security systems, and related systems.

An above ground fuel tank with dispenser will be installed for use by maintenance equipment.

Site preparation includes standard clearing and grubbing, cut and fill, grading, and boulder removal.

Electrical services include primary and secondary service connections, transformer, automatic switchgear, site lighting, and emergency power connections.

Water services include potable water main connections and lines for use with distribution and fire suppression, incidentally a water storage tank is included to meet fire codes requirements.

1. COMPONENT WHS	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date May 2021
3. INSTALLATION AND LOCATION Pentagon Reservation (Raven Rock Mountain Complex)		4. PROJECT TITLE: Public Works Support Facility	
5. PROGRAM ELEMENT 0901584D8W	6. CATEGORY CODE 44182	7. PROJECT NUMBER 95696	8. PROJECT COST ($000) 21,935

Communications to be constructed include cabling connections to existing sources, manhole and underground system, and distribution to surveillance and life safety equipment.

Site improvements include paving of roads and parking area, sidewalks, concrete equipment pads, retaining structures, bulk stone and deicer storage, and landscaping.
Storm water management includes retention structures, drain boxes, piping, drainage basins, and outfalls. Low Impact Development features will be included utilizing best management practices.

Demolition consists of removal and disposal of existing structures and buildings within the project location.

Permits are required due to land disturbance.

Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria (UFC).

Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.

11. REQUIREMENT: 33,184 SF **ADQT:** 0 SF **SUBSTD:** 0 SF

PROJECT: Construct a facility for storage of vehicles, equipment, and environmental functions.

REQUIREMENT: Relocate public works functions away from the perimeter to create standoff and provide safe operations and maintenance.

Provide a weather resistant facility for the storage of assigned public works vehicles that range in size from an electric utility bucket truck to pick-up trucks, equipment such as loaders and lawnmowers, and materials.

CURRENT SITUATION: The existing facilities were hastily constructed when Fort Ritchie closed in 1998. Current daily operations are limited due to the size, condition and configuration of the buildings. Personnel are working in an unsafe location due to the close proximity of an active roadway. Real property assets and structures are in poor condition and equipment is in a state of constant repair due to premature failure from weather exposure.

This facility is not located in a 100-year flood plain.

IMPACT IF NOT PROVIDED: Personnel will continue to be placed in unsafe work conditions due to the existing building entrances being located within six feet of active roadway with no barricades, protection, or work-arounds. Proper UFC standoff requirements will not be met and annual waivers for physical security will continue to be issued. Equipment and materials will continue to be stored in unsuitable locations and exposed to adverse weather. Additionally, since the existing facilities restrict access to the perimeter fence, the terrain will continue to degrade requiring costly and unscheduled repairs due to erosion and slope failure.

1. COMPONENT WHS	**FY 2022 MILITARY CONSTRUCTION PROJECT DATA**		2. Date May 2021
3. INSTALLATION AND LOCATION Pentagon Reservation (Raven Rock Mountain Complex)		4. PROJECT TITLE: Public Works Support Facility	
5. PROGRAM ELEMENT 0901584D8W	6. CATEGORY CODE 44182	7. PROJECT NUMBER 95696	8. PROJECT COST ($000) 21,935

12. SUPPLEMENTAL DATA:

A. Estimated Execution Data:

(1) Acquisition Strategy:	Design/Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	JUN 2019
(b) Percent of Design Completed as of January 2021:	35%
(c) Design or RFP Complete:	JAN 2021
(d) Total Design Cost ($000):	$2,051
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Standard or Definitive Design Used:	No
(3) Construction Data:	
(a) Contract Award:	MAR 2022
(b) Construction Start:	OCT 2022
(c) Construction Complete:	NOV 2024

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

Equipment Nomenclature	Procuring Appropriation	FY Appropriated of Requested	Cost ($000)
FFE	PRMRF	Future Request	$1,361
Security Equipment	PRMRF	Future Request	$139

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FY 2022 Military Construction President's Budget Submission, Defense-Wide Distribution Plan
Energy Resilience and Conservation Investment Program (ERCIP)

Project No.	Project Title	Location	State	Project Description	Project Request ($000)	Project Type[1]	SIR[2,3]	Payback[3] (years)	M&V Cost[3]	EC M&V Plan or ER Mission Support Description[4]
Army										
97470	Construct 10 MW Microgrid Utilizing Existing and New Generators	Fort Bragg	NC	Constructs a secure integrated feeder level microgrid, including a smart grid control system consisting of a new 2 megawatt (MW) diesel generator connected to four (4) existing 2 MW diesel generators for a total of 10 MW generator capacity to provide baseload power to a feeder-wide microgrid. Also included is fuel storage and a new 15 kilovolt (kV) underground electrical distribution system to supply power to mission critical facilities located at the Joint Special Operations Command (JSOC).	$19,464	ER	NA	NA	NA	Increases energy resilience by enabling continuous power generation for critical missions. This microgrid generation technology will allow for automatic switching to operate in an islanded mode during grid outages. These technologies will integrate to create an islandable microgrid capable of supporting JSOC's load during contingency operations. Repurposing and integrating existing equipment to form a microgrid significantly reduces project cost while increasing the reliability of operations and mission assurance.
93359	Construct 4.8MW Generation and Microgrid	Fort Benning	GA	Constructs a 4.8 megawatt (MW) natural gas generation plant connected to Fort Benning's electrical distribution system and incorporates 3 MW from an existing Photovoltaic (PV) generation asset utilizing Battery Energy Storage System (BESS) technology to maintain power quality. Additionally, microgrid controls will be installed to enable self-sufficient islanding capability to the distribution system during commercial grid outages.	$17,593	ER	NA	NA	NA	Bridges energy resilience gaps by utilizing solar power during times of grid outages and will manage energy delivery with automated controls and switches. Current operation of generators during extended outages cannot support critical facilities. However, Fort Benning is a Power Projection Platform for the Maneuver Center of Excellence (MCoE), Armored and Infantry Brigades and requires 24/7 operations. Storage and generators will be incorporated for blackstart capability and serve as firm generation sources. This combination of generation technologies will work in conjunction with and provide reliable power to critical facilities to support mission assurance.
93412	Construct 650 kW Gas-Fired Micro-Turbine Generation System	Camp Grayling	MI	Constructs a 650 kilowatt (kW) gas-fired micro-turbine power generation system capable of supporting the critical load at the Grayling Army Airfield (GAAF) in order to provide backup power in the event of power outages. This project will build redundancy to existing single source electrical and gas systems. Currently, only the air traffic control tower has back-up power generation.	$5,700	ER	NA	NA	NA	Enhances energy resilience by eliminating a single point of failure for critical missions by establishing on-site power generation to alleviate total reliance on commercial power. Supports the critical load for the installation by providing approximately 500 kW of electricity, which will meet the critical electricity and heating needs of the installation in the event of a grid failure. The turbine will have heat recovery systems in place to provide direct heat to nearby building(s) and allow installation power and heating to operate during a utility outage preserving critical information systems, security, force protection, and mobilization.
93395	Construct a 10 MW RICE Generator Plant and Micro-Grid Controls	Fort Rucker	AL	Constructs a 10 megawatt (MW) Generator plant which consists of installing four (4) 2.5 MW Reciprocating Internal Combustion Engine (RICE) generators connected to the Fort Rucker electrical distribution system and incorporates a maximum of 8 MW of energy from the existing Photovoltaic (PV) generating asset and microgrid controls to serve mission-critical loads in the event of a grid outage.	$24,000	ER	NA	NA	NA	Increases energy resilience by enabling power generation capability for critical missions, extends the capability of current generator operations, and decreases risks associated with a single distribution source since the installation is currently unable to sustain operations during extended outages. Additionally, provides operational reliability, maintenance sustainability, safety, and intelligent management to more loads by utilizing both new and existing generation assets compared to traditional backup power.
95170	Construct a 10 MW Generation Plant, with Microgrid Controls	Fort Stewart	GA	Constructs a 10 megawatt (MW) generation plant connected to Fort Stewart's electrical distribution system and incorporates up to 10 MW from an existing Photovoltaic (PV) generation asset. Installs microgrid controls to enable self-sufficient islanding capability to the distribution system during commercial grid outage.	$22,000	ER	NA	NA	NA	Increases energy resilience by providing power to critical buildings during grid power outage. Currently, in the event of a prolonged grid outage, diesel generators sized for specific buildings would be used causing a reliability and logistical problem due to the difficulty of maintaining a diesel fuel source. Installion of microgrid controls and connections to the existing solar array will enable a self-sufficient islanding capability and continuous power to the distribution system and mission critical facilities for 14+ days during commercial grid outage.
94876	Install Microgrid Controller, 1.25 MW Solar PV, and 1.5 MWh Battery	Camp Arifjan, Kuwait	Kuwait	Installs 1.25 megawatt (MW) roof mounted Photovoltaic (PV) solar arrays and microgrid system. The microgrid system will include a master microgrid controller, synchronization controllers, and automatic transfer switches controlling the generation resources within it. Installs a 1.5 MW, 1.5 megawatt-hour (MWh) battery energy storage system (BESS) to help resolve power quality issues. This includes the energy storage unit, inverters, distribution lines, transformers, controls and communication, AC/DC wiring with conduit, and security measures.	$15,000	ER	NA	NA	NA	Increases energy resilience by providing reliable, long-term on-site generation to missions in emergencies or extended outages that only have short-term solutions in place. Utilizes a hybrid energy system that will provide resilient power (diesel genset, solar PV, and BESS) to part of the installation and obviate the load bank. As a result, these critical loads will be less prone to losing power and Essential Missions will be able to function longer during an extended outage iin cases of disrupted diesel fuel delivery.
Army Program Totals				**6 Projects**	**$103,757**		**NA**	**NA**	**NA**	
USN										
P696	Inner Apra Harbor Resiliency Upgrades (Phase I)	Naval Base, Guam	Guam	Constructs a 12 megawatt (MW) backup power generation system and a 12 MW Battery Energy Storage System (BESS) at Polaris Point, Naval Base Guam (NBG). The scope of work includes construction of an Industrial Control System (ICS) to improve operational reliability and power quality at Polaris Point. A power control monitoring system (PCMS) will be implemented that integrates the controls from the generator paralleling switchgear, the main medium voltage switchgear, the battery switchgear, the fuel delivery system, and the building management system, which will be controlled from a local ICS with a human machine interface (HMI) screen.	$38,300	ER	NA	NA	NA	Increases energy resilience by installing a BESS to provide voltage and frequency support for critical loads supporting two (2) guided missile submarines and six (6) ballistic missile submarines. This BESS will improve operational reliability and power quality at Polaris Point by increasing power reliability and resiliency, providing a redundant source of power for up to 30 minutes (at full 12 MW load) to include improved power quality to meet mission requirements. The backup generation and battery energy storage will be integrated to ensure regulated power quality in line with submarine requirements and seamless transition to backup generators in the event of a grid outage.
P693	Electrical Transmission and Distribution	SUBASE Kings Bay	GA	Modernizes the electrical transmission and distribution infrastructure to minimize downtime due to failure and maintenance. This will include replacing thirteen (13) Oil-Filled 230 kilovolt (kV) circuit breakers with new industry approved breakers and integrated current transformers for relaying and metering to reduce downtime for maintenance and failure. Thirty-four (34) medium voltage Kearney SF6 gas switches with new vacuum bottle pad mount switches will also be replaced. Three (3) facilities will be refit with medium-voltage switchgear, shore power unit substations, low-voltage shore power switchgear, breakers, and feeder cables to the pier side power mound. All new equipment shall be connected and integrated into the existing Kings Bay Utility Supervisory Control and Data Acquisition (SCADA) system for advanced remote monitoring and control of systems.	$19,314	ER	NA	NA	NA	Bridges energy security gaps with the requirements of critical missions by repairing high voltage priority equipment, medium voltage distribution switches, and shore power stations at the refit wharfs to improve the ability to reduce and recover from power distribution failures. Modernization of this installation's critical infrastructure is required to enhance resiliency for this DoD priority mission. The scope of this project will improve redundancy in the transmission network and ensure transmission resiliency and power distribution enhancing readiness for the Nation's strategic nuclear deterrent mission and waterfront operations missions.
P815	Solar Energy Storage System	NAWS China Lake / Ridgecrest	CA	Installs a nominal 1,500 kilowatt (kW) / 6,000 kilowatt-hour (kWh) energy storage system (ESS) for capture of curtailed solar energy, which assists with demand management through peak shaving and renewable generation leveling and acts as an incremental building block for the energy resilient installation microgrid.	$9,120	ER	NA	NA	NA	Increases energy resilience by alleviating a shortage of backup generation on the installation for both critical facilities and for community support facilities in the event of grid outage during extreme temperature conditions. Corrects 51 backup power generation gaps for 40 facilities. The ESS will immediately improve operating efficiency of the electrical distribution system and the ability to purchase electricity at the best rates. It will also have a grid forming capability to support a future microgrid system further improving energy resilience on the isntallation.

FY 2022 Military Construction President's Budget Submission, Defense-Wide Distribution Plan
Energy Resilience and Conservation Investment Program (ERCIP)

Project No.	Project Title	Location	State	Project Description	Project Request ($000)	Project Type[1]	SIR[2,3]	Payback[3] (years)	M&V Cost[3]	EC M&V Plan or ER Mission Support Description[4]
P349	NAF Atsugi Smart Grid for Utility and Facility Controls	Naval Air Facility Atsugi	Japan	Constructs an end-to-end Industrial Controls System (ICS) for energy management of the electrical, steam, and water/wastewater utilities. This will provide separate monitoring and control of installation energy management and utility systems from the point of generation, or interconnection with the local utility company, down to the end-use equipment inside the buildings to directly remediate disruption risks to electrical power. Stand-alone ICS such as Supervisory Control and Data Acquisition (SCADA), Direct Digital Control (DDC), and Advanced Metering Infrastructure (AMI) for electrical meters will be integrated to allow for seamless and efficient monitoring and operations of utility and building energy systems. Multiple networks will be consolidated into a fiber optic network improving communications, resiliency, and cybersecurity supporting critical mission operations.	$3,810	ER	NA	NA	NA	Addresses known resilience vulnerabilities to installation electrical, steam, potable water, and wastewater utility systems, contributing to mission assurance and energy resilience. Also effectively mitigates disruptions to electrical service and other vital utilities with cyber secure controls and operation protocols that promote resiliency. Significant risks to critical infrastructure and mission were identified in the Installation Mission Assurance Assessment in May 2018. The Smart Grid will minimize utility disruptions to critical missions by integrating HVAC DDC, Automated Metering Infrastructure (smart meters), and Utility SCADA systems into a Common Operation Picture (COP) to analyze electrical, water, and HVAC problems at facility and installation levels.
USN Program Totals				**4 Projects**	**$70,544**		**NA**	**NA**	**NA**	
USAF										
NVZR200026	Transmission and Switching Stations	MacDill AFB	FL	Constructs an on-site power plant capable of generating between 25 and 60 megawatts (MW) that will be paired with a battery energy storage system (BESS) and upgrades the switchgear capacity at the Tanker Way Gate Switching Station from 25 to 35 MW. Also installs a new 15 kilovolt (kV) underground distribution line between the Tanker Way Gate Switching Station and the MacDill Gate Switching Station to increase capacity to 35 MW and a new 15 KV underground distribution line to the Dale Mabry Main Gate. The utility provider has agreed to upgrade the feed from their new Interbay Substation to the Tanker Way Gate Switching Station. A new 35 MW Switching Station will also be installed at the southeastern end of the South Apron to include a new 15 KV underground distribution line from the Tanker Way Gate Switching Station feeder to the new South Apron Switching Station.	$22,000	ER	NA	NA	NA	Improves energy resilience by eliminating total reliance on commercial power with construction of an on-site power plant paired with a battery energy storage system (BESS), upgrades switching stations, and installs new underground distribution lines. This will enable resilient power feeds directly into the substation near Tanker Way for re-distribution to South Tampa or the base as needed, providing vital electrical power to the installation's critical facilities supporting mission assurance. The MacDill Gate feeder and switch is currently the only main substation feed capable of supplying the full Base load which includes HQ USSOCOM & HQ USCENTCOM. The existing power distribution grid in the eastern half of the Base will be back-fed from the new distribution line that will run to the south end of the South Apron to provide reliable power to the two major COCOMs.
PYKL152013	PV Arrays and Battery Storage	Memphis IAP	TN	Constructs photovoltaic (PV) generation and support systems to provide resiliency power to facilities on-base. PV arrays will be located and mounted on rooftops or ground mounted to supply the Air National Guard (ANG) facilities. In addition, a battery energy storage system (BESS) will be installed to work with the PV array systems. Inverter system and performance monitoring equipment will also be provided. Meters will be installed, compatible, and linked to the local energy management system for instantaneous and historic performance tracking.	$4,780	ER	NA	NA	NA	Enhances energy resilience by creating flexibility in the PV, Battery, and Generator systems so they are set up as nodes in three (3) self-sustainable building arrangements. If one node goes down then the mission functions can be consolidated to keep missions operating in the two remaining nodes. By ensuring all three (3) systems work together, the installation can support mission assurance for the Memphis Air National Guard Base, part of the National Disaster Medical System (NDMS), by maintaining longer periods without commercial power. Memphis ANGB supports nationwide medical responses that supplement state/local medical resources during an emergency or disaster and provide backup medical support to the military/VA medical care systems during an overseas conflict.
QYZH1072111	Construct Water Treatment Plant and Pump Station	Mountain Home AFB	ID	Constructs a treatment plant for processing surface water to drinking water standards, including connections to existing distribution systems. Construction will consist of reinforced concrete foundations, structural steel framing, metal cladding curtain walls, and standing seam metal roofs. The plant will be capable of producing 3.5 million gallons per day of drinking water.	$33,800	ER	NA	NA	NA	Increases water resilience by remediating the risk of mission failure due to absence of potable water resources. Currently, the two on-base wells can only sustain 50% of the installation demand, causing wide-spread shortages of potable water needed for life, health, and safety, and firefighting systems. This project eliminates water quality and quantity issues, creates onsite storage with a distribution system to address fire flow capability gap in response to real time demands, and provides a primary potable water source with back-up for natural disasters.
WARR209001	Install Base-wide Microgrid with Natural Gas Generator, Photovoltaic & Battery Storage	Springfield-Beckley MAP	OH	Reconfigures electrical utility services electrical distribution by constructing a 1,000 kilowatt (kW)/1,000 kilowatt-hours (kWh) battery energy storage (BES) and integrated 835 KW natural gas generator with 600 kW AC photovoltaic (PV) system to provide a base-wide electrical loop with microgrid controls to provide resilient power for essential missions. The system will include meters interfacing with all distributed generation, paralleling transfer switches, building energy meters, a primary isolation switch, and the base energy management system for performance tracking and verification. This project will ensure energy resilience to 24/7 unmanned aircraft (MQ-9 Reaper) operations and intelligence missions and provide base-wide resilient power supporting facilities which include critical communications for these missions.	$4,700	ER	NA	NA	NA	Increases energy resilience enabling uninterrupted unmanned aircraft operations and intelligence missions by utilizing a base electrical microgrid comprised of PV arrays, battery storage, and generators that will increase redundancy of the electrical power needed to support all critical facilities so they can function at or near 100% of normal capacity. The 178 AW plays a key role in providing national defense though intelligence products and MQ-9 Reaper operations. If commercial power is lost during daylight periods then the PV system can take control while still charging the battery storage. If commercial power is lost during nighttime periods then the generator power can be enabled. In times of minimal daylight, the combination of battery and generators can take over, extending uninterrupted power over a longer period of time and providing mission assurance during times of commercial power outages.
USAF Program Totals				**4 Projects**	**$65,280**		**NA**	**NA**	**NA**	
USMC										
P-281	Additional LFG Power Meter Station	MCAS Miramar	CA	Installs a landfill gas (LFG) power metering station that includes an SF-6 switch, transformer, switchgear, meters, controls, and fiber communications that will provide the high voltage connection to the new 1.6 megawatt (MW) landfill gas power generator to provide additional resilient resources to the existing microgrid. The project features will be in accordance with current Unified Facilities Criteria (UFC) and MCAS Miramar specifications and requirements. Metering station equipment (hardware and software) that is open protocol will have the ability to connect to existing and future systems and include proper cybersecurity/NIST 800 requirements so the system can be accredited to operate on the network.	$4,054	ER	NA	NA	NA	Improves energy resilience in support of mission assurance by providing a more capable microgrid that integrates high voltage power delivery controls with photovoltaic systems, energy storage systems, and sophisticated Artificial Intelligence (AI) integration controls. The AI integration tool will provide direct digital control, energy storage, photovoltaic, and landfill gas generation optimization reducing electric peak demand with built-in AI algorithms that learn each day. In addition, the microgrid controller has features that will enable better management of thermal energy storage with the demand response program, resulting in improved energy resilience and mission assurance for the installation. Furthermore, it will align the installation with the City of San Diego Intergovernmental Services Agreement (IGSA) for landfill power delivery.
USMC Program Totals				**1 Project**	**$4,054**		**NA**	**NA**	**NA**	

FY 2022 Military Construction President's Budget Submission, Defense-Wide Distribution Plan
Energy Resilience and Conservation Investment Program (ERCIP)

Project No.	Project Title	Location	State	Project Description	Project Request ($000)	Project Type[1]	SIR[2,3]	Payback[3] (years)	M&V Cost[3]	EC M&V Plan or ER Mission Support Description[4]
NGA										
037	LED Upgrade Package	Fort Belvoir, NCE Springfield	VA	Retrofits existing lighting fixtures in the Main Office Building stairwells, Central Utility Plant high bay lighting, and the 6-story parking garage with energy efficient LED bulbs. Upgrading to energy efficient LED fixtures will lower overall energy demand and energy costs at NGA Campus East (NCE), NGA's headquarters.	$365	EC	2.23[3]	2.35	$500	The M&V Plan for the lighting efficiency retrofit at the NGA will follow FEMP M&V Option A, Method LE-A-02. The variables affecting savings from this lighting project are fixture powers and hours of operation. Operating hours are currently 24/7 for all affected areas. Option A has been selected for this retrofit due to the measure's relatively small cost savings contribution of all the retrofits installed at the Federal Center and the high confidence with which the fixture demand and operating hours may be determined. The M&V cost for the LED Upgrade project is minimal. Almost all of the Measurement and Verification tasks are already included in the existing Base Operations Support Contract under Energy Management. Any remaining tasks not under contract (subject to negotiation) are estimated to be under $500/year.
NGA Program Totals				**1 Project**	**$365**		**2.23[3]**	**2.35**	**$500**	
WHS										
WHS21-07	Recommissioning of HVAC Systems, Part B	Pentagon, Mark Center, and Raven Rock Mountain Complex	VA	Recommissions HVAC Systems in Washington Headquarters Services (WHS) facilities in the National Capital Region, including the Pentagon, Mark Center, and Raven Rock Mountain Complex. It will improve energy efficiency and extend the useful life of the existing equipment and mechanical systems. Traditional operations and maintenance activities respond to tenant complaints when systems breakdown or during scheduled activities, whereas recommissioning activities will identify systems that are functioning sub-optimally and restore them to acceptable operating parameters before they break down. This project will leverage automatic fault detection and diagnostics tools to identify equipment that requires repair and maintenance.	$2,600	EC	1.27[3]	5.00	$5,000	The M&V Plan for the recommissioning project will use Option A: retrofit isolation with key parameter measurements. This M&V option can be performed due to a robust Supervisory Control and Data Acquisition (SCADA) system that continually collects and stores trends on the majority of sensors and meters in the building. Since M&V is semi-automated, the expectation is 40 hours of M&V support by the contractor at $125/hour for the year, for a total of $5,000. M&V funding is provided through the WHS budget. M&V functions will include verification of the M&V process, additional service order calculations, refining the automated fault energy savings calculations, and summarizing data.
WHS Program Totals				**1 Project**	**$2,600**		**1.27[3]**	**5.00**	**$5,000**	
ERCIP Project Totals				**17 Projects**	**$246,600**					
				Energy/Water Resilience Projects (15)	**$243,635**		**NA**			
				Energy/Water Conservation Projects (2)	**$2,965**		**1.32[3]**			
				ERCIP Construction Projects Total (17 Projects)	**$246,600**		**1.32[3]**			
				ERCIP Planning and Design (P&D) Funds						
				ERCIP P&D	**$30,150**					
				Electrical Vehicle Infrastructure Upgrades P&D	**$10,000**					
				ERCIP P&D Funds Total	**$40,150**					
				ERCIP Program Total	**$286,750**					

[1] ER is for Energy Resilience projects and EC is for Energy Conservation projects

[2] SIR is Savings to Investment Ratio (multiply the useful life of the product by the $ savings per year associated with the project. Then divide the result by the total cost of the project)

[3] 10 USC 2914 requires that SIR, Payback and Measurement and Verification (M&V) Cost Estimate be included for EC projects only

[4] 10 USC 2914 requires a brief description of the M&V plan and planned funding source for EC projects only. For ER projects, a description is required to explain how the project would enhance mission assurance, support mission critical functions, and address known vulnerabilities.

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. Date MAY 2021

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
VARIOUS	UNSPECIFIED MINOR CONSTRUCTION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
N/A	N/A	N/A	61,464

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Unspecified Minor Construction				**61,464**
Defense Logistics Agency				(6,668)
DoD Education Activity				(8,000)
Missile Defense Agency				(4,435)
National Security Agency				(12,000)
Joint Chiefs of Staff				(5,615)
U.S. Special Operations Command				(21,746)
Defense Level Activities				(3,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Funds to be utilized for construction activities authorized under section 2805, Title 10 of United States Code, by the Defense Agencies and Secretary of Defense activities.

11. REQUIREMENT:

New and expanded facilities supporting Defense-wide missions with a cost up to $6,000,000 adjusted for location (not to exceed $10,000,000) within the U.S. and territories, and up to $6,000,000 elsewhere. The amount requested is considered a reasonable estimate to provide the numerous Defense Agencies and Activities flexibility in managing their construction programs.

The minor construction activities include the Joint Chiefs of Staff sponsored exercise related construction program.

12. Supplemental Data:

N/A

1. COMPONENT	FY 2022 MILITARY CONSTRUCTION PROJECT DATA	2. Date MAY 2021
3. INSTALLATION AND LOCATION VARIOUS	4. PROJECT TITLE: PLANNING & DESIGN	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
N/A	N/A	N/A	246,313

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Planning and Design				**246,313**
Defense Health Agency				(35,099)
Defense Intelligence Agency				(11,000)
Defense Logistics Agency				(20,862)
DoD Education Activity				(13,317)
National Security Agency				(83,840)
U.S. Special Operations Command				(20,576)
Joint Chiefs of Staff				(2,000)
Washington Headquarters Services				(5,275)
Defense Level Activities				(14,194)
ERCIP Design				(40,150)

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Funds to be utilized under Title 10 USC 2807 by the Defense Agencies and Secretary of Defense activities for architectural and engineering services and construction design in connection with military construction projects including specified projects, standing authority construction (including unspecified minor construction) projects, land appraisals, and other projects as directed. Engineering investigations, such as field surveys and foundation exploration, will be undertaken as necessary.

11. REQUIREMENT:

All construction projects must be based on sound engineering and the best cost data available. These costs for architectural and engineering services and construction design are not provided for in the construction project cost estimates except in those where Design/Build contracting method is used.

Defense level activities covers planning and design for various defense activities, planning and design associated with exercise related construction, and covers efforts across the Department to standardize and distribute uniform design criteria.

Energy Resilience and Conservation Investment Program (ERCIP) Design provides the planning and design required to support ERCIP projects.

12. Supplemental Data:

N/A