Department of Defense

Fiscal Year (FY) 2020 Budget Estimates

Military Construction

Family Housing

Defense-Wide

Justification Data Submitted to Congress

March 2019

FY 2020 Budget Estimates
Military Construction, Defense-Wide
Table of Contents

Preparation of the Defense-Wide budget, excluding revolving funds, cost the Department of Defense a total of approximately $1,150,000 in FY 2019.

FY 2020 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				
Ambulatory Care Center/Dental Clinic Replacement	17,700	17,700	C	3
Defense Logistics Agency				
Beale Air Force Base				
Hydrant Fuel System Replacement	33,700	33,700	C	32
Florida				
U.S, Special Operations Command				
Eglin Air Force Base				
SOF Combined Squadron Operations Facility	16,500	16,500	C	114
Hurlburt Field				
SOF AMU & Weapons Hangar	72,923	72,923	C	107
SOF Combined Squadron Operations Facility	16,513	16,513	C	110
SOF Maintenance Training Facility	18,950	18,950	C	104
Key West				
SOF Watercraft Maintenance Facility	16,000	16,000	C	118
Hawaii				
U.S. Special Operations Command				
Joint Base Pearl Harbor-Hickam				
SOF Undersea Operational Training Facility	67,700	67,700	C	122
Maryland				
Defense Health Agency				
Bethesda Naval Hospital				
Medical Center Addition/Alteration Increment 3	-	96,900	C	11
Fort Detrick				
Medical Research Acquisition Building	27,846	27,846	C	7
National Security Agency				
Fort Meade				
NSAW Recapitalization Building #3 Increment 2	-	426,000	C	92

FY 2020 Base Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
Mississippi				
Defense Logistics Agency				
Columbus Air Force Base				
Fuel Facilities Replacement	16,800	16,800	C	35
Missouri				
Defense Health Agency				
Fort Leonard Wood				
Hospital Replacement Increment 2	-	50,000	C	17
National Geospatial Intelligence Agency				
St. Louis				
Next NGA (N2W) Complex Phase 2 Increment 2	-	218,800	C	84
North Carolina				
U.S. Special Operations Command				
Camp Lejeune				
SOF Marine Raider Regiment HQ	13,400	13,400	C	126
Fort Bragg				
SOF Assessment and Selection Training Complex	12,103	12,103	C	137
SOF Human Platform-Force Generation Facility	43,000	43,000	C	134
SOF Operations Support Building	29,000	29,000	C	130
Oklahoma				
Defense Logistics Agency				
Tulsa IAP				
Fuels Storage Complex	18,900	18,900	C	39
Rhode Island				
Defense Logistics Agency				
Quonset State Airport				
Fuels Storage Complex Replacement	11,600	11,600	C	43
South Carolina				
Defense Health Agency				
Joint Base Charleston				
Medical Consolidated Storage and Distribution Center	33,300	33,300	C	23

FY 2020 Base Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
South Dakota				
Defense Logistics Agency				
Ellsworth Air Force Base				
Hydrant Fuel System Replacement	24,800	24,800	C	47
Virginia				
Defense Logistics Agency				
Defense Distribution Depot Richmond				
Operations Center Phase 2	98,800	98,800	C	51
U.S. Special Operations Command				
Dam Neck				
SOF Demolition Training Compound Expansion	12,770	12,770	C	141
Joint Expeditionary Base Little Creek-Story				
SOF NSWG-10 Operations Support Facility	32,600	32,600	C	145
SOF NSWG2 JSOTF Operations Training Facility	13,004	13,004	C	148
Washington Headquarters Services				
Pentagon				
Backup Generator	8,670	8,670	C	164
Control Tower and Fire Day Station	20,132	20,132	C	160
Washington				
U.S. Special Operations Command				
Joint Base Lewis-McChord				
SOF 22 STS Operations Facility	47,700	47,700	C	152
Wisconsin				
Defense Logistics Agency				
Gen Mitchell IAP				
POL Facilities Replacement	25,900	25,900	C	57
CONUS Classified				
U.S. Special Operations Command				
Battalion Complex Phase 3	82,200	82,200	C	155
Germany				
Defense Health Agency				
Geilenkirchen Air Base				
Ambulatory Care Center/Dental Clinic	30,479	30,479	C	27

FY 2020 Base Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
Guam				
Defense Logistics Agency				
Joint Region Marianas				
X-Ray Wharf Refueling Facility	19,200	19,200	C	62
Japan				
Defense Logistics Agency				
Yokota Air Base				
Bulk Storage Tanks Phase 1	116,305	116,305	C	65
DoD Education Activity				
Yokosuka				
Kinnick High School Increment 2	-	130,386	C	72
Yokota Air Base				
Pacific East District Superintendent's Office	20,106	20,106	C	79
Worldwide Classified				
National Security Agency				
Mission Support Compound	52,000	52,000	C	98
Defense Level Activities/Worldwide Unspecified				
Energy Resilience and Conservation Investment Program	150,000	150,000	C	167
Contingency Construction	-	10,000	C	168
Unspecified Minor Construction			C	170
Defense Health Agency	-	10,000		
Defense Logistics Agency	-	16,736		
DoD Education Activity	-	8,000		
Missile Defense Agency	-	10,000		
National Security Agency	-	3,228		
U.S. Special Operations Command	-	31,464		
Joint Chiefs of Staff	-	11,770		
Washington Headquarters Services	-	-		
Defense Level Activities	-	3,000		
Total Minor Construction	**-**	**99,148**		

FY 2020 Base Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
Planning and Design			C	172
Defense Health Agency	-	63,382		
Defense Logistics Agency	-	27,000		
DoD Education Activity	-	29,679		
Missile Defense Agency	-	35,472		
National Security Agency	-	15,000		
U.S. Special Operations Command	-	52,532		
Washington Headquarters Services	-	4,890		
Defense Level Activities	-	14,400		
ERCIP Design	-	10,000		
Total Planning and Design	**-**	**252,355**		
Total Military Construction, Defense-Wide	**1,220,601**	**2,504,190**		

FY 2020 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, $2,504,190,000 to remain available until September 30, 2024: *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 $252,355,000 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 2020 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 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.

The Administration continues to fund this program at $150 million in FY 2020. 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, reduce DOD's energy costs, improve energy resilience and contribute to mission assurance. The program supports construction of new, high-efficiency energy systems and the improvement and modernization of existing systems. Projects are designed to provide maximum energy benefit to the installation through minimizing energy consumption and improving energy resilience. An exhibit is included in this justification material which details energy consumption and the Department's progress towards meeting energy consumption goals set forth by the President.

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 2020 Base Budget Estimates
Military Construction, Defense-Wide
Agency Summary
($000)

	Authorization	Appropriations
Defense Health Agency	**109,325**	**256,225**
Defense Logistics Agency	**366,005**	**366,005**
DoD Dependents Education Activity	**20,106**	**150,492**
National Geospatial-Intelligence Agency	**-**	**218,800**
National Security Agency	**52,000**	**478,000**
U.S. Special Operations Command	**494,363**	**494,363**
Washington Headquarters Services	**28,802**	**28,802**
Energy Resilience and Conservation Invest Prog	**150,000**	**150,000**
Contingency Construction	**-**	**10,000**
Minor Construction	**-**	**99,148**
Planning and Design	**-**	**252,355**
TOTAL	**1,220,601**	**2,504,190**

Defense Health Agency
FY 2020 Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
California				
Camp Pendleton (Area 21)				
Ambulatory Care Center/Dental Clinic	17,700	17,700	C	3
Maryland				
Fort Detrick				
Medical Research Acquisition Building	27,846	27,846	C	7
Naval Support Activity, Bethesda				
Medical Center Addition/Alteration Increment 3	-	96,900	C	11
Missouri				
Fort Leonard Wood				
Hospital Replacement Increment 2	-	50,000	C	17
South Carolina				
Joint Base Charleston				
Medical Consolidated Storage And Distribution Center	33,300	33,300	C	23
Germany				
Geilenkirchen Air Base				
Ambulatory Care Center/Dental Clinic	30,479	30,479	C	27
Total	**109,325**	**256,225**		

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEF (DHA)		MAR 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
MCB Camp Pendleton, California	Commandant of the Marine Corps	1.11

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20181131	3778	35473	3848	1081	34713	36	0	0	50475	129404
b. END FY 2023	3931	36869	3848	1052	35088	36	0	0	50475	131299

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	125,409.00
b. INVENTORY TOTAL AS OF 20180930	13,723,894.00
c. AUTHORIZATION NOT YET IN INVENTORY	26,400.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	17,700.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	48,682.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	13,816,676.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2)
55010	Ambulatory Care Center/Dental Clinic	a. 20,019 SF Medical b. 4,662 SF Dental	17,700	JUL 2018	MAR 2020

9. FUTURE PROJECTS

55010	Ambulatory Care Center (Area 22)	a. 31,247 SF Medical b. 8,760 SF Dental	22,872	MAR 2020	APR 2021
55010	Ambulatory Care Center (Area 53)	a. 19,181 SF Medical b. 4,347 SF Dental	11,886	MAR 2020	APR 2021
55010	Ambulatory Care Center (Area 62)	a. 18,818 SF Medical b. 5,523 SF Dental	12,366	MAR 2022	APR 2023
		c.			

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.

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 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAR 2019

3. Installation and Location/UIC:	4. Project Title:
MCB Camp Pendleton, California, Area 21	Ambulatory Care Center / Dental Clinic

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	55010	89906	17,700

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				12,316
Medical Clinic - CATCODE 55010	SF	20,019	411	(8,228)
Dental Clinic - CATCODE 54010	SF	4,662	819	(3,818)
SDD, EPAct, Renewable Energy	LS	--	--	(270)
SUPPORTING FACILITIES				3,650
Electrical Service	LS	--	--	(446)
Water, Sewer, Gas	LS	--	--	(324)
Parking/Paving, Walks, Curbs and Gutters	LS	--	--	(417)
Storm Drainage	LS	--	--	(208)
Site Imp (602) Demo (540)	LS	--	--	(1,142)
Information Systems	LS	--	--	(162)
Antiterrorism/Force Protection	LS	--	--	(162)
Special Foundation	LS	--	--	(150)
EISA 2007 Section 438 (Low Impact Development)	LS	--	--	(268)
Other (O&M Manuals, CID, PCAS, and Enhanced Commissioning)	LS	--	--	(371)
ESTIMATED CONTRACT COST				15,966
CONTINGENCY PERCENT (5.00%)				798
SUBTOTAL				16,764
SUPERVISION, INSPECTION & OVERHEAD (5.70%)				956
TOTAL REQUEST				17,720
TOTAL REQUEST (ROUNDED)				17,700
INSTALLED EQT-OTHER APPROPRIATIONS				(3,230)

10. Description of Proposed Construction:

Construct replacement Ambulatory Care Center to deliver primary medical and dental care, including specialty clinics, ancillaries, support and administrative departments. Existing Building 210735 will be demolished. Supporting facilities include utilities, information systems, site improvements, special foundations, access drive, parking, signage, environmental protection measures, antiterrorism/force protection measures, and low impact. 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, 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 Service, and Enhanced Commissioning will be provided.

11.	REQ:	ADQT:	SUBSTD:
	CATCODE: 55010 = 234,436 SF	61,754 SF	140,891 SF
	CATCODE: 54010 = 35,874 SF	0 SF	27,007 SF

PROJECT:

Construct a replacement Medical and Dental Clinic. (Current Mission)

1. Component DEF (DHA)	**FY 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAR 2019
3. Installation and Location/UIC: MCB Camp Pendleton, California, Area 21	4. Project Title: Ambulatory Care Center / Dental Clinic	

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	55010	89906	17,700

REQUIREMENT:
Provide a facility capable of supporting implementation of Marine Corps Medical Home (MCMH) to Marines assigned to Area 21.

CURRENT SITUATION:
MCMH has been adopted throughout the Marine Corps as the approach to increase the medical readiness of its fighting force. The existing clinic, Building 201735, was constructed in 1966 and suffers from multiple deficiencies that preclude effective implementation of MCMH at Area 21. The existing room types and their configuration impede the clinical layouts and adjacencies necessary for MCMH. The availability of patient care rooms for direct care is limited by competing demands. Physical therapy services are provided in a former medical records room which lacks adequate space, ventilation, and appropriate ceiling height for equipment and clinical operations. The laboratory lacks specimen toilets and in the Dental Treatment Rooms, junction boxes that support each dental operating unit are floor-mounted and awkwardly placed, creating trip hazards and impediments to normal clinical processes. Additionally, the dental sterilization room does not meet space and configuration standards for decontamination, sterilization, and sterile storage. In addition to space and configuration deficiencies, aging building systems, including HVAC, plumbing, and electrical, have exceeded their expected lives and present ongoing maintenance issues.

IMPACT IF NOT PROVIDED:
MCMH cannot be effectively implemented at Area 21. Failure to secure a replacement facility will force patient functions to remain in a building that cannot support medical readiness in a manner consistent with the rest of the Marine Corps.

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 Bid Build
(2) Design Data:	
(a) Design Started:	JUL/2018
(b) Percent of Design Completed as of Jan 2019:	20%
(c) Design Complete:	MAR/2020
(d) Total Design Cost ($000):	1,880
(e) Energy Study and/or Life Cycle Analysis Performed:	Yes
(f) Standard or definitive design used?	No
(3) Construction Data:	
(a) Contract Award:	SEP/2020
(b) Construction Start:	NOV/2020
(c) Construction Complete:	MAY/2023

1. Component DEF (DHA)	**FY 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAR 2019
3. Installation and Location/UIC: MCB Camp Pendleton, California, Area 21	4. Project Title: Ambulatory Care Center / Dental Clinic	

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	55010	89906	17,700

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	2021	581
Investment	OP	2022	390
Expense	OM	2022	2,259

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEF (DHA)		MAR 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
Fort Detrick, Maryland	US Army Installation Command	1.00

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20181031	218	591	1842	2	0	2	147	236	5717	8755
b. END FY 2024	225	596	1723	2	1	2	147	236	4313	7245

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	1,489.00
b. INVENTORY TOTAL AS OF 20180930	2,445,192.00
c. AUTHORIZATION NOT YET IN INVENTORY	0.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	27,846.00
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	2,473,038.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1)	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
55016	Medical Research Acquisition Building	54,735 SF Research	27,846	OCT 2017	APR 2019

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

The US Army Garrison, Fort Detrick, provides conventional installation and mission unique support to DoD and non-DoD organizations engaged in bio-medical and botanical research and development, medical intelligence, medical logistics and global telecommunications. Major tenant activities include: US Army Medical Research and Materiel Command; US Army Medical Research Institute of Infectious Diseases; US Army Center for Environmental Health Research; National Cancer Institute; US Department of Agriculture; Armed Forces Medical Intelligence Center; Joint Readiness Clinical Advisory Board; Air Force Medical Logistics Office; Naval Medical Logistics Command; US Army Medical Materiel Agency; and the US Army Information Systems Command - 302 Signal Battalion.

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 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAR 2019

3. Installation and Location/UIC:	4. Project Title:
Fort Detrick, Maryland	Medical Research Acquisition Building

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	51016	89908	27,846

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				19,793
Medical Research Acquisition Building – CATCODE 51016	SF	54,735	343	(18,774)
Additional Antiterrorism/Force Protection Measures	LS	--	--	(420)
SDD, EPAct, Renewable Energy	LS	--	--	(599)
SUPPORTING FACILITIES				5,297
Electric Service	LS	--	--	(380)
Water, Sewer, Gas	LS	--	--	(106)
Parking/Paving, Walks, Curbs And Gutters	LS	--	--	(587)
Storm Drainage	LS	--	--	(51)
Site Imp (607) Demo (694)	LS	--	--	(1,301)
Information Systems	LS	--	--	(50)
Antiterrorism/Force Protection	LS	--	--	(20)
Special Foundation	LS	--	--	(1,741)
Hazardous Material Abatement	LS	--	--	(363)
EISA 2007 Section 438 (Low Impact Development)	LS	--	--	(240)
Other (O&M Manuals, CID, DDC, Enhanced Commissioning, and buy out of Utility Energy Service Contract)	LS	--	--	(458)
ESTIMATED CONTRACT COST				25,090
CONTINGENCY PERCENT (5.00%)				1,254
SUBTOTAL				26,344
SUPERVISION, INSPECTION & OVERHEAD (5.70%)				1,502
TOTAL REQUEST				27,846
TOTAL REQUEST (NOT ROUNDED)				27,846
INSTALLED EQT-OTHER APPROPRIATIONS				(3,315)

10. Description of Proposed Construction:
Construct a multi-story medical research acquisition building with hardened exterior envelope. The project will provide administrative and support spaces. Buildings 817, 818, 820, 820A, and two steam sheds 819 and 822 will be demolished. Supporting facilities include utilities, information systems, site improvements, special foundation, access drive, parking, signage, environmental protection measures, antiterrorism force/protection measures, and low impact development. The supporting facilities will also include hazardous material abatement, and buy-out of two Utility Energy Service Contract gas/steam sheds. The project will be designed in accordance with Unified Facilities Criteria (UFC) 4-610-01 Administrative 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. Operations and Maintenance Manuals, Comprehensive Interior Design, Design During Construction, and Enhanced Commissioning will be provided.

11. REQ: 54,735 SF ADQT: 0 SF SUBSTD: 41,866 SF

PROJECT:
Construct a consolidated Medical Research Acquisition Building. (CURRENT MISSION)

1. Component DEF (DHA)	**FY 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAR 2019

3. Installation and Location/UIC:	4. Project Title:
Fort Detrick, Maryland	Medical Research Acquisition Building

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	51016	89908	27,846

REQUIREMENT:
Provide a modern and efficient working environment that enables scientists, contract officers, and support staff to support worldwide medical research and acquisition programs of the U.S. Army Medical Research and Materiel Command (MRMC).

CURRENT SITUATION:
The U.S. Army Medical Research Acquisition Activity (USAMRAA) occupies five dispersed, inadequate, and obsolete World War II-era wood frame buildings on Fort Detrick's installation. Inherent staff inefficiencies result from over 260 personnel working out of multiple locations. The existing buildings are obsolete, poorly-insulated, and expensive to operate. They provide significant obstacles to obtaining and maintaining a productive workforce.

IMPACT IF NOT PROVIDED:
USAMRAA activities will continue to be subjected to working in sub-optimal environments that adversely affect the ability of MRMC to execute medical research acquisition activities.

ADDITIONAL:
This submission is supported by an economic analysis.

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

---

1. Supplemental Data:

A. Estimated Execution Data

(1) Acquisition Strategy:	Design Bid Build
(2) Design Data:	
(a) Design Started:	OCT/2017
(b) Percent of Design Completed as of Jan 2019 :	65%
(c) Design Complete:	APR/2019
(d) Total Design Cost ($000):	3,270
(e) Energy Studies and/or Life Cycle Analysis Performed:	Yes
(f) Standard or definitive design used?	No
(3) Construction Data:	
(a) Contract Award:	JUN/2020
(b) Construction Start:	JUL/2020
(c) Construction Complete:	JAN/2023

1. Component DEF (DHA)	**FY 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAR 2019

3. Installation and Location/UIC:	4. Project Title:
Fort Detrick, Maryland	Medical Research Acquisition Building

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	51016	89908	27,846

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	2021	1,153
Investment	OP	2021	428
Expense	OM	2021	1,734

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

DD FORM 1391C, JUL 1999

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEF (DHA)		MAR 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
NAVSUPPACT Bethesda, Maryland	Chief, Bureau of Medicine and Surgery	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	2,630	1,589	355	0	0	0	56	36	0	4,666
b. END FY 2021	2,530	869	355	0	0	0	56	36	0	3,846

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	243.00
b. INVENTORY TOTAL AS OF 20181231	2,180,691.00
c. AUTHORIZATION NOT YET IN INVENTORY	510,000.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	0.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	606,249.00
g. REMAINING DEFICIENCY	68,636.00
h. GRAND TOTAL	3,365,576.00

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 3	a. 589,928 SF Addition b. 124,050 SF Alteration	96,900	FEB 2013	AUG 2017

9. FUTURE PROJECTS

51010	Medical Center Addition / Alteration Incr 4	LS	239,300	FEB 2013	JUN 2017
31031	Education and Research Building	a. 477,966 SF Addition b. B. 125,650 SF Parking	366,949	OCT 2017	OCT 2019

10. MISSION OR MAJOR FUNCTIONS

To lead military medicine in the areas of medical care, research, and education. To support tenant commands in their pursuit of excellence in patient care, medical research and education. To tactically execute efficient and effective shore installation management services and programs in support of mission commanders to enable combat readiness for fleet, fighter, and family.

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 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAR 2019

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

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	51010	85667	Approp 96,900

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				361,193
Medical Center Addition - CATCODE 51010	SF	589,928	525	(309,712)
Medical Center Alteration - CATCODE 51010	SF	124,050	415	(51,481)
SUPPORTING FACILITIES				98,364
Electric Service	LS	--	--	(4,590)
Water, Sewer, Gas	LS	--	--	(3,992)
Steam and Chilled Water Distribution	LS	--	--	(2,836)
Paving, Walks, Curbs and Gutters	LS	--	--	(10,397)
Storm Drainage	LS	--	--	(3,881)
Site Imp (13,348) Demo (8,148)	LS	--	--	(21,496)
Information Systems	LS	--	--	(3,945)
Antiterrorism/Force Protection	LS	--	--	(3,945)
Construction Phasing	LS	--	--	(9,865)
Special Foundation	LS	--	--	(11,033)
EISA 2007 Section 438 (Low Impact Development)	LS	--	--	(2,259)
Other (O&M Manuals, Post Construction Award Services, Enhanced Commissioning) and Below Grade Coordination	LS	--	--	(20,125)
ESTIMATED CONTRACT COST				459,557
CONTINGENCY PERCENT (5.00%)				22,978
SUBTOTAL				482,535
SUPERVISION, INSPECTION & OVERHEAD (5.70%)				27,504
TOTAL REQUEST				510,039
TOTAL REQUEST (ROUNDED)				510,000
PREVIOUS APPROPRIATIONS				173,800
FUTURE APPROPRIATION REQUEST				96,900
CURRENT APPROPRIATION REQUEST (ROUNDED)				176,200
INSTALLED EQT-OTHER APPROPRIATIONS				(137,954)

10. Description of Proposed Construction:

This is the third 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.

11. REQ: 2,889,444 SF ADQT: 1,836,073 SF SUBSTD: 1,053,371 SF

1. Component DEF (DHA)	**FY 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAR 2019

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

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	51010	85667	Approp 96,900

PROJECT:
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 Walter Reed National Military Medical Center (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
(2) Design Data:	
(a) Design Started:	FEB/2013
(b) Percent of Design Completed as of Jan 2019:	100%
(c) Design Complete:	AUG/2017
(d) Total Design Cost ($000):	35,140
(e) Energy Studies and/or Life Cycle Analysis Performed:	Yes

1. Component DEF (DHA)	**FY 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAR 2019

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

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	51010	85667	Approp 96,900

Supplemental Data (Continued):

(f) Standard or definitive design used? No

(3) Construction Data:

(a) Contract Award: SEP/2017

(b) Construction Start: NOV/2017

(c) Construction Complete: JUN/2022

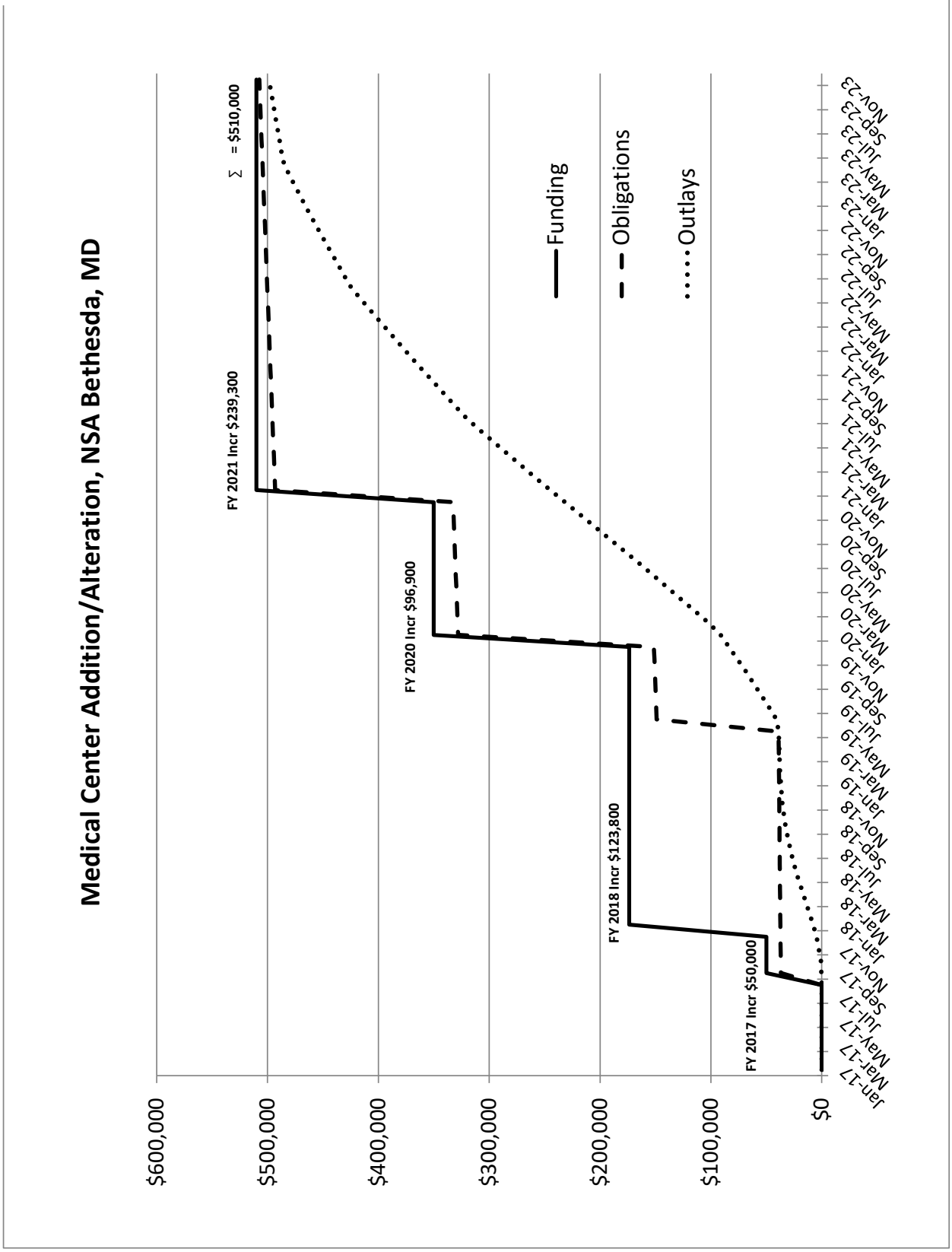
B. Equipment associated with this project which will be provided from other appropriations:

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	60,032
Investment	OP	2021	6,959
Expense	OM	2021	17,152
Expense	OM	2022	5,000

FUNDING PROFILE:

Authorization (FY 2017)	$ 510,000,000
Appropriations	
2017	$ 50,000,000
2018	$ 123,800,000
2020	$ 96,900,000
2021	$ 239,300,000
	$ 510,000,000

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


Medical Center Addition/Alteration, NSA Bethesda, MD
Σ = $510,000
FY 2021 Incr $239,300
FY 2020 Incr $96,900
FY 2018 Incr $123,800
FY 2017 Incr $50,000
Funding
Obligations
Outlays
$600,000
$500,000
$400,000
$300,000
$200,000
$100,000
$0
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18
Jul-18
Sep-18
Nov-18
Jan-19
Mar-19
May-19
Jul-19
Sep-19
Nov-19
Jan-20
Mar-20
May-20
Jul-20
Sep-20
Nov-20
Jan-21
Mar-21
May-21
Jul-21
Sep-21
Nov-21
Jan-22
Mar-22
May-22
Jul-22
Sep-22
Nov-22
Jan-23
Mar-23
May-23
Jul-23
Sep-23
Nov-23

PROJECT : Medical Center Addition/Alteration, NSA Bethesda MD

WIP Table

All costs in thousands ($000)

	FUNDING		OBLIGATIONS		OUTLAYS	
Month - Year	Monthly	Cumulative	Monthly	Cumulative	Monthly	Cumulative
Sep-17	$ 50,000	$ 50,000	$ 36,939	$ 36.94	$ 390	$ 390
Oct-17	$ -	$ 50,000	$ 103	$ 37.04	$ 390	$ 780
Nov-17	$ -	$ 50,000	$ 103	$ 37.15	$ 1,950	$ 2,730
Dec-17	$ -	$ 50,000	$ 103	$ 37.25	$ 1,950	$ 4,680
Jan-18	$ 123,800	$ 173,800	$ 103	$ 37.35	$ 3,120	$ 7,800
Feb-18	$ -	$ 173,800	$ 103	$ 37.45	$ 3,510	$ 11,310
Mar-18	$ -	$ 173,800	$ 103	$ 37.56	$ 3,510	$ 14,820
Apr-18	$ -	$ 173,800	$ 103	$ 37.66	$ 3,510	$ 18,330
May-18	$ -	$ 173,800	$ 103	$ 37.76	$ 3,510	$ 21,840
Jun-18	$ -	$ 173,800	$ 104	$ 37.87	$ 3,120	$ 24,960
Jul-18	$ -	$ 173,800	$ 103	$ 37.97	$ 2,730	$ 27,690
Aug-18	$ -	$ 173,800	$ 103	$ 38.07	$ 2,340	$ 30,030
Sep-18	$ -	$ 173,800	$ 103	$ 38.18	$ 2,340	$ 32,370
Oct-18	$ -	$ 173,800	$ 103	$ 38.28	$ 1,560	$ 33,930
Nov-18	$ -	$ 173,800	$ 103	$ 38.38	$ 1,560	$ 35,490
Dec-18	$ -	$ 173,800	$ 103	$ 38.48	$ 780	$ 36,270
Jan-19	$ -	$ 173,800	$ 103	$ 38.59	$ 780	$ 37,050
Feb-19	$ -	$ 173,800	$ 103	$ 38.69	$ 780	$ 37,830
Mar-19	$ -	$ 173,800	$ 103	$ 38.79	$ 390	$ 38,220
Apr-19	$ -	$ 173,800	$ 103	$ 38.90	$ 390	$ 38,610
May-19	$ -	$ 173,800	$ 103	$ 39.00	$ 390	$ 39,000
Jun-19	$ -	$ 173,800	$ 109,908	$ 148.91	$ 1,884	$ 40,884
Jul-19	$ -	$ 173,800	$ 422	$ 149.33	$ 6,594	$ 47,478
Aug-19	$ -	$ 173,800	$ 422	$ 149.75	$ 7,065	$ 54,543
Sep-19	$ -	$ 173,800	$ 422	$ 150.17	$ 7,065	$ 61,608
Oct-19	$ -	$ 173,800	$ 422	$ 150.59	$ 7,065	$ 68,673
Nov-19	$ -	$ 173,800	$ 422	$ 151.02	$ 7,536	$ 76,209
Dec-19	$ -	$ 173,800	$ 422	$ 151.44	$ 7,536	$ 83,745
Jan-20	$ 96,900	$ 270,700	$ 97	$ 248.76	$ 7,536	$ 91,281
Feb-20	$ -	$ 270,700	$ 422	$ 249.18	$ 10,833	$ 102,114
Mar-20	$ -	$ 270,700	$ 422	$ 249.60	$ 12,717	$ 114,831
Apr-20	$ -	$ 270,700	$ 422	$ 250.03	$ 12,717	$ 127,548
May-20	$ -	$ 270,700	$ 422	$ 250.45	$ 12,717	$ 140,265
Jun-20	$ -	$ 270,700	$ 422	$ 250.87	$ 12,717	$ 152,982
Jul-20	$ -	$ 270,700	$ 422	$ 251.29	$ 12,717	$ 165,699
Aug-20	$ -	$ 270,700	$ 422	$ 251.71	$ 13,188	$ 178,887
Sep-20	$ -	$ 270,700	$ 422	$ 252.14	$ 13,188	$ 192,075
Oct-20	$ -	$ 270,700	$ 422	$ 252.56	$ 13,188	$ 205,263
Nov-20	$ -	$ 270,700	$ 422	$ 252.98	$ 13,188	$ 218,451
Dec-20	$ -	$ 270,700	$ 422	$ 253.40	$ 13,188	$ 231,639
Jan-21	$ 239,300	$ 510,000	$ 240	$ 493.12	$ 13,188	$ 244,827
Feb-21	$ -	$ 510,000	$ 422	$ 493.55	$ 13,188	$ 258,015
Mar-21	$ -	$ 510,000	$ 422	$ 493.97	$ 12,717	$ 270,732
Apr-21	$ -	$ 510,000	$ 422	$ 494.39	$ 12,717	$ 283,449
May-21	$ -	$ 510,000	$ 422	$ 494.81	$ 12,717	$ 296,166
Jun-21	$ -	$ 510,000	$ 422	$ 495.23	$ 12,717	$ 308,883
Jul-21		$ 510,000	$ 422	$ 495.65	$ 12,246	$ 321,129
Aug-21	$ -	$ 510,000	$ 422	$ 496.08	$ 9,891	$ 331,020
Sep-21	$ -	$ 510,000	$ 422	$ 496.50	$ 9,891	$ 340,911
Oct-21	$ -	$ 510,000	$ 422	$ 496.92	$ 9,891	$ 350,802
Nov-21	$ -	$ 510,000	$ 422	$ 497.34	$ 9,891	$ 360,693
Dec-21	$ -	$ 510,000	$ 422	$ 497.76	$ 9,891	$ 370,584
Jan-22	$ -	$ 510,000	$ 422	$ 498.19	$ 9,420	$ 380,004
Feb-22	$ -	$ 510,000	$ 422	$ 498.61	$ 9,420	$ 389,424
Mar-22	$ -	$ 510,000	$ 422	$ 499.03	$ 9,420	$ 398,844
Apr-22	$ -	$ 510,000	$ 422	$ 499.45	$ 9,420	$ 408,264
May-22	$ -	$ 510,000	$ 422	$ 499.87	$ 9,420	$ 417,684
Jun-22	$ -	$ 510,000	$ 422	$ 500.30	$ 8,478	$ 426,162
Jul-22	$ -	$ 510,000	$ 422	$ 500.72	$ 6,123	$ 432,285
Aug-22	$ -	$ 510,000	$ 422	$ 501.14	$ 6,123	$ 438,408
Sep-22	$ -	$ 510,000	$ 422	$ 501.56	$ 6,123	$ 444,531
Oct-22	$ -	$ 510,000	$ 422	$ 501.98	$ 6,123	$ 450,654
Nov-22	$ -	$ 510,000	$ 422	$ 502.41	$ 6,123	$ 456,777
Dec-22	$ -	$ 510,000	$ 422	$ 502.83	$ 6,123	$ 462,900
Jan-23	$ -	$ 510,000	$ 422	$ 503.25	$ 5,652	$ 468,552
Feb-23	$ -	$ 510,000	$ 422	$ 503.67	$ 5,652	$ 474,204
Mar-23	$ -	$ 510,000	$ 422	$ 504.09	$ 5,652	$ 479,856
Apr-23	$ -	$ 510,000	$ 422	$ 504.51	$ 5,181	$ 485,037
May-23	$ -	$ 510,000	$ 422	$ 504.94	$ 2,355	$ 487,392
Jun-23	$ -	$ 510,000	$ 422	$ 505.36	$ 1,884	$ 489,276
Jul-23	$ -	$ 510,000	$ 422	$ 505.78	$ 1,884	$ 491,160
Aug-23	$ -	$ 510,000	$ 422	$ 506.20	$ 1,884	$ 493,044
Sep-23	$ -	$ 510,000	$ 422	$ 506.62	$ 1,884	$ 494,928
Oct-23	$ -	$ 510,000	$ 422	$ 507.05	$ 1,884	$ 496,812
Nov-23	$ -	$ 510,000	$ 422	$ 507.47	$ 1,884	$ 498,696
Dec-23	$ -	$ 510,000	$ 422	$ 507.89	$ 1,884	$ 500,580
Jan-24	$ -	$ 510,000	$ 422	$ 508.31	$ 1,884	$ 502,464
Feb-24	$ -	$ 510,000	$ 422	$ 508.73	$ 1,884	$ 504,348
Mar-24	$ -	$ 510,000	$ 422	$ 509.16	$ 1,884	$ 506,232
Apr-24	$ -	$ 510,000	$ 422	$ 509.58	$ 1,884	$ 508,116
May-24	$ -	$ 510,000	$ 422	$ 510.00	$ 1,884	$ 510,000

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE (YYYY MMDD)
DEF (DHA)		MAR 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
Fort Leonard Wood, Missouri	US Army Installation Management Command	1.06

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20151031	925	4417	2850	1072	20619	55	186	762	3567	34453
b. END FY 2024	892	4408	2712	1100	16698	59	186	771	3411	30237

7. INVENTORY DATA ($000)	
a. TOTAL ACREAGE (acre)	67,796.00
b. INVENTORY TOTAL AS OF 20181231	7,396,411.00
c. AUTHORIZATION NOT YET IN INVENTORY	393,241.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	0.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	231,400.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	8,021,052.00

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 2	a. 242,631 SF Hospital b. 8,769 SF Clinic c. 9,979 SF Lab	50,000	SEP 2017	DEC 2018

9. FUTURE PROJECTS

51010	Hospital Replacement Incr 3	LS	40,000	SEP 2017	DEC 2018
51010	Hospital Replacement Incr 4	LS	160,000	SEP 2017	DEC 2018
51010	Hospital Replacement Incr 5	LS	31,300	SEP 2017	DEC 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 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAR 2019
3. Installation and Location/UIC: Fort Leonard Wood, Missouri	4. Project Title: Hospital Replacement, Increment 2	

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	51010	94335	Approp: 50,000

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				100,000
CURRENT APPROPRIATION REQUEST (UNROUNDED)				50,000
FUTURE APPROPRIATION REQUEST				231,300
INSTALLED EQT-OTHER APPROPRIATIONS				(93,870)

10. Description of Proposed Construction:

This is the second 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 DoD Minimum Antiterrorism Standards for Buildings, barrier free design in accordance with Architectural Barriers Act

1. Component DEF (DHA)	**FY 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAR 2019

3. Installation and Location/UIC:	4. Project Title:
Fort Leonard Wood, Missouri	Hospital Replacement, Increment 2

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	51010	94335	Approp: 50,000

Description of Proposed Construction (Continued):
(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	305,451 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
(2) Design Data:
(a) Design or Request for Proposal (RFP) Started: SEP/2017

1. Component DEF (DHA)	**FY 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAR 2019

3. Installation and Location/UIC:	4. Project Title:
Fort Leonard Wood, Missouri	Hospital Replacement, Increment 2

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	51010	94335	Approp: 50,000

Supplemental Data (Continued):

(b) Percent of Design Completed as of Jan 2019:	25%
(c) Design or RFP 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:

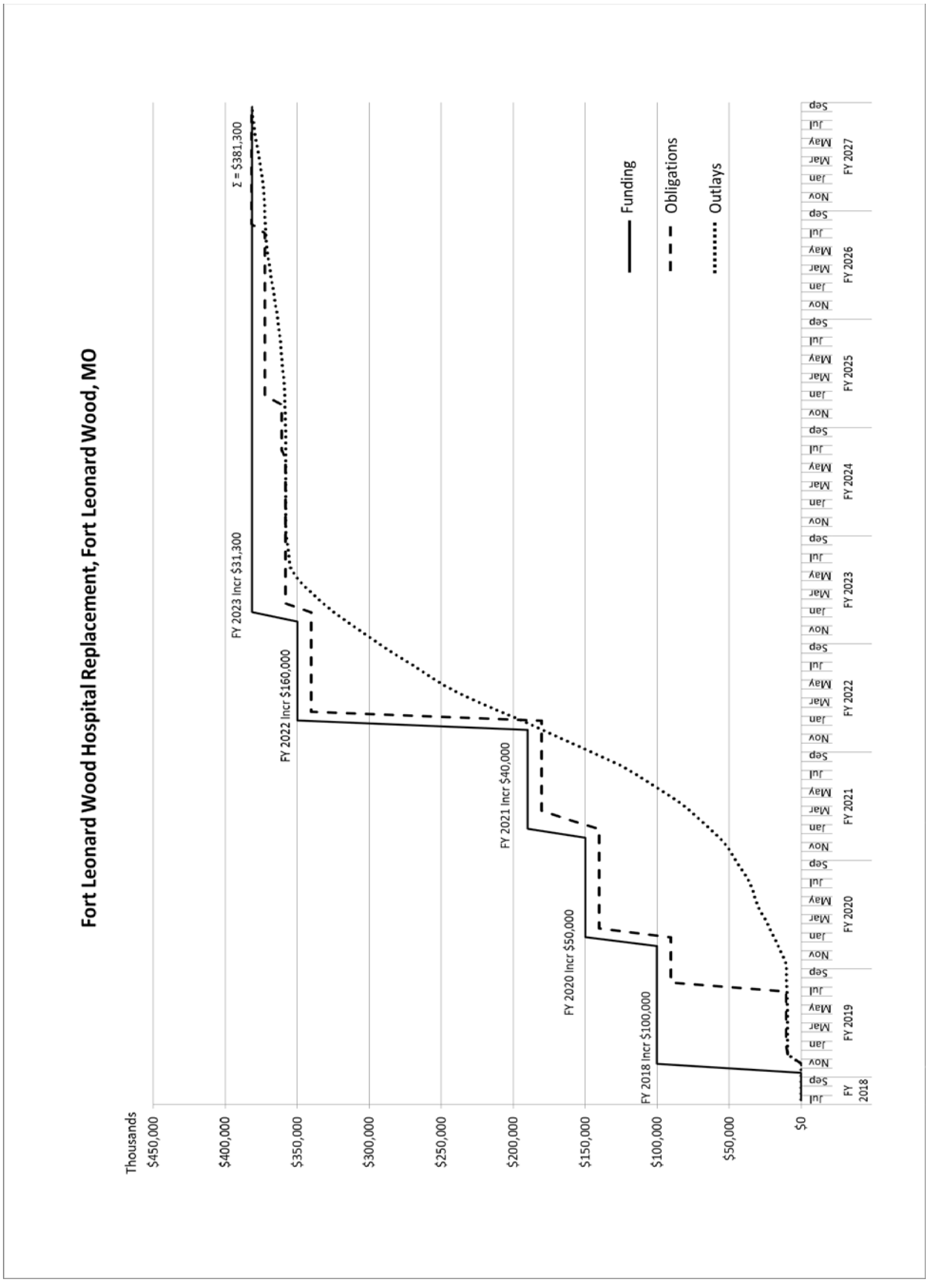
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Investment	OP	2022	10,500
Investment	OP	2023	7,000
Expense	OM	2021	17,500
Expense	OM	2022	20,520
Expense	OM	2023	30,750
Expense	OM	2024	7,600

FUNDING PROFILE:

Authorization (FY 2018)	$ 381,300,000
Appropriations	
2018	$ 100,000,000
2020	$ 50,000,000
2021	$ 40,000,000
2022	$ 160,000,000
2023	$ 31,300,000
	$ 381,300,000

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

DD Form 1391C, JUL 1999


Fort Leonard Wood Hospital Replacement, Fort Leonard Wood, MO
Thousands
$450,000
$400,000
$350,000
$300,000
$250,000
$200,000
$150,000
$100,000
$50,000
$0
Σ = $381,300
FY 2023 Incr $31,300
FY 2022 Incr $160,000
FY 2021 Incr $40,000
FY 2020 Incr $50,000
FY 2018 Incr $100,000
Funding
Obligations
Outlays
FY 2018
FY 2019
FY 2020
FY 2021
FY 2022
FY 2023
FY 2024
FY 2025
FY 2026
FY 2027

PROJECT : Fort Leonard Wood HOSPITAL REPLACEMENT

WIP DATA Table

All costs in thousands ($000)

		FUNDING		OBLIGATIONS		OUTLAYS	
FY	Month - Year	Monthly	Cumulative	Monthly	Cumulative	Monthly	Cumulative
FY 2019	Oct	$ -	$ -		$ -	$ -	$ -
	Nov	$100,000	$ 100,000		$ -	$ -	$ -
	Dec	$ -	$ 100,000	$ 9,423	$ 9,423	$ 9,423	$ 9,423
	Jan	$ -	$ 100,000	$ 1,021	$ 10,444	$ -	$ 9,423
	Feb	$ -	$ 100,000		$ 10,444	$ 31	$ 9,454
	Mar	$ -	$ 100,000		$ 10,444	$ 54	$ 9,508
	Apr	$ -	$ 100,000		$ 10,444	$ 68	$ 9,576
	May	$ -	$ 100,000		$ 10,444	$ 142	$ 9,718
	Jun	$ -	$ 100,000		$ 10,444	$ 170	$ 9,888
	Jul	$ -	$ 100,000		$ 10,444	$ 198	$ 10,086
	Aug	$ -	$ 100,000	$ 80,000	$ 90,444	$ 142	$ 10,228
	Sep	$ -	$ 100,000		$ 90,444	$ 150	$ 10,378
FY 2020	Oct	$ -	$ 100,000		$ 90,444	$ 65	$ 10,444
	Nov	$ -	$ 100,000		$ 90,444	$ 2,515	$ 12,959
	Dec	$ -	$ 100,000		$ 90,444	$ 3,006	$ 15,965
	Jan	$ 50,000	$ 150,000		$ 90,444	$ 3,006	$ 18,972
	Feb	$ -	$ 150,000	$ 50,000	$ 140,444	$ 3,006	$ 21,978
	Mar	$ -	$ 150,000		$ 140,444	$ 3,269	$ 25,247
	Apr	$ -	$ 150,000		$ 140,444	$ 3,760	$ 29,007
	May	$ -	$ 150,000		$ 140,444	$ 2,292	$ 31,300
	Jun	$ -	$ 150,000		$ 140,444	$ 2,260	$ 33,560
	Jul	$ -	$ 150,000		$ 140,444	$ 2,260	$ 35,820
	Aug	$ -	$ 150,000		$ 140,444	$ 3,767	$ 39,587
	Sep	$ -	$ 150,000		$ 140,444	$ 3,799	$ 43,385
FY 2021	Oct	$ -	$ 150,000		$ 140,444	$ 3,767	$ 47,152
	Nov	$ -	$ 150,000		$ 140,444	$ 3,799	$ 50,951
	Dec	$ -	$ 150,000		$ 140,444	$ 5,764	$ 56,715
	Jan	$ 40,000	$ 190,000		$ 140,444	$ 6,813	$ 63,528
	Feb	$ -	$ 190,000	$ 20,084	$ 160,528	$ 6,813	$ 70,340
	Mar	$ -	$ 190,000	$ 19,916	$ 180,443	$ 6,813	$ 77,153
	Apr	$ -	$ 190,000		$ 180,443	$ 7,901	$ 85,054
	May		$ 190,000		$ 180,443	$ 9,608	$ 94,662
	Jun	$ -	$ 190,000		$ 180,443	$ 9,930	$ 104,592
	Jul	$ -	$ 190,000		$ 180,443	$ 9,990	$ 114,582
	Aug	$ -	$ 190,000		$ 180,443	$10,604	$ 125,186
	Sep	$ -	$ 190,000		$ 180,443	$13,385	$ 138,570
FY 2022	Oct	$ -	$ 190,000		$ 180,443	$13,630	$ 152,200
	Nov	$ -	$ 190,000		$ 180,443	$13,875	$ 166,075
	Dec	$ -	$ 190,000		$ 180,443	$13,816	$ 179,891
	Jan	$160,000	$ 350,000		$ 180,443	$14,278	$ 194,168
	Feb	$ -	$ 350,000	$160,000	$ 340,443	$14,984	$ 209,152
	Mar	$ -	$ 350,000		$ 340,443	$14,569	$ 223,721
	Apr	$ -	$ 350,000		$ 340,443	$13,390	$ 237,111
	May	$ -	$ 350,000		$ 340,443	$11,856	$ 248,967
	Jun	$ -	$ 350,000		$ 340,443	$ 9,826	$ 258,793
	Jul	$ -	$ 350,000		$ 340,443	$ 9,826	$ 268,618
	Aug	$ -	$ 350,000		$ 340,443	$ 9,826	$ 278,444
	Sep	$ -	$ 350,000		$ 340,443	$ 9,826	$ 288,269
FY 2023	Oct	$ -	$ 350,000		$ 340,443	$ 9,072	$ 297,341
	Nov	$ -	$ 350,000		$ 340,443	$ 9,072	$ 306,413
	Dec	$ -	$ 350,000		$ 340,443	$ 9,072	$ 315,485
	Jan	$ 31,300	$ 381,300		$ 340,443	$ 9,072	$ 324,556
	Feb	$ -	$ 381,300	$ 17,511	$ 357,954	$ 7,532	$ 332,089
	Mar	$ -	$ 381,300		$ 357,954	$ 6,813	$ 338,901
	Apr	$ -	$ 381,300		$ 357,954	$ 6,810	$ 345,711
	May	$ -	$ 381,300		$ 357,954	$ 5,313	$ 351,023
	Jun	$ -	$ 381,300		$ 357,954	$ 3,773	$ 354,797
	Jul	$ -	$ 381,300		$ 357,954	$ 760	$ 355,557
	Aug	$ -	$ 381,300		$ 357,954	$ 792	$ 356,349
	Sep	$ -	$ 381,300		$ 357,954	$ 760	$ 357,109

		FUNDING		OBLIGATIONS		OUTLAYS	
FY	Month - Year	Monthly	Cumulative	Monthly	Cumulative	Monthly	Cumulative
FY 2024	Oct	$ -	$ 381,300		$ 357,954	$ 760	$ 357,869
	Nov	$ -	$ 381,300		$ 357,954	$ -	$ 357,869
	Dec	$ -	$ 381,300		$ 357,954	$ -	$ 357,869
	Jan	$ -	$ 381,300		$ 357,954	$ -	$ 357,869
	Feb	$ -	$ 381,300		$ 357,954	$ -	$ 357,869
	Mar	$ -	$ 381,300		$ 357,954	$ -	$ 357,869
	Apr	$ -	$ 381,300		$ 357,954	$ -	$ 357,869
	May	$ -	$ 381,300		$ 357,954	$ -	$ 357,869
	Jun	$ -	$ 381,300		$ 357,954	$ -	$ 357,869
	Jul	$ -	$ 381,300	$ 2,649	$ 360,603	$ -	$ 357,869
	Aug	$ -	$ 381,300		$ 360,603	$ 49	$ 357,918
	Sep	$ -	$ 381,300		$ 360,603	$ 72	$ 357,990
FY 2025	Oct	$ -	$ 381,300		$ 360,603	$ 114	$ 358,103
	Nov	$ -	$ 381,300		$ 360,603	$ 123	$ 358,226
	Dec	$ -	$ 381,300		$ 360,603	$ 204	$ 358,430
	Jan	$ -	$ 381,300	$11,715	$ 372,318	$ 273	$ 358,703
	Feb	$ -	$ 381,300		$ 372,318	$ 306	$ 359,008
	Mar	$ -	$ 381,300		$ 372,318	$ 494	$ 359,503
	Apr	$ -	$ 381,300		$ 372,318	$ 522	$ 360,025
	May	$ -	$ 381,300		$ 372,318	$ 491	$ 360,516
	Jun	$ -	$ 381,300		$ 372,318	$ 675	$ 361,191
	Jul	$ -	$ 381,300		$ 372,318	$ 621	$ 361,813
	Aug	$ -	$ 381,300		$ 372,318	$ 464	$ 362,276
	Sep	$ -	$ 381,300		$ 372,318	$ 781	$ 363,058
FY 2026	Oct	$ -	$ 381,300		$ 372,318	$ 859	$ 363,916
	Nov	$ -	$ 381,300		$ 372,318	$ 937	$ 364,853
	Dec	$ -	$ 381,300		$ 372,318	$ 1,015	$ 365,868
	Jan	$ -	$ 381,300		$ 372,318	$ 1,093	$ 366,961
	Feb	$ -	$ 381,300		$ 372,318	$ 1,172	$ 368,133
	Mar	$ -	$ 381,300		$ 372,318	$ 781	$ 368,914
	Apr	$ -	$ 381,300		$ 372,318	$ 859	$ 369,773
	May	$ -	$ 381,300		$ 372,318	$ 937	$ 370,710
	Jun	$ -	$ 381,300		$ 372,318	$ 781	$ 371,491
	Jul	$ -	$ 381,300		$ 372,318	$ 508	$ 371,999
	Aug	$ -	$ 381,300	$ 8,982	$ 381,300	$ 234	$ 372,233
	Sep	$ -	$ 381,300		$ 381,300	$ 168	$ 372,401
FY 2027	Oct	$ -	$ 381,300		$ 381,300	$ 244	$ 372,645
	Nov	$ -	$ 381,300		$ 381,300	$ 391	$ 373,035
	Dec	$ -	$ 381,300		$ 381,300	$ 418	$ 373,454
	Jan	$ -	$ 381,300		$ 381,300	$ 697	$ 374,151
	Feb	$ -	$ 381,300		$ 381,300	$ 935	$ 375,086
	Mar	$ -	$ 381,300		$ 381,300	$ 1,046	$ 376,132
	Apr	$ -	$ 381,300		$ 381,300	$ 1,158	$ 377,290
	May	$ -	$ 381,300		$ 381,300	$ 1,116	$ 378,406
	Jun	$ -	$ 381,300		$ 381,300	$ 878	$ 379,284
	Jul	$ -	$ 381,300		$ 381,300	$ 977	$ 380,261
	Aug	$ -	$ 381,300		$ 381,300	$ 788	$ 381,049
	Sep	$ -	$ 381,300		$ 381,300	$ 252	$ 381,300

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEF (DHA)		MAR 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
Joint Base Charleston, South Carolina	Air Force Space Command	0.98

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20180930	607	1204	8976	0	0	0	164	314	0	11265
b. END FY 2022	889	1499	13142	0	0	0	240	457	0	16227

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	3,840.00
b. INVENTORY TOTAL AS OF 20160930	0.00
c. AUTHORIZATION NOT YET IN INVENTORY	0.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	33,300.00
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	33,300.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2)
53060	Medical Consolidated Storage and Distribution Center	95,474 SF Warehouse	33,300	NOV 2017	JAN 2020

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

The 21st Medical Group is comprised of more than 500 medical professionals that provide healthcare and mission-readiness support for more than 25,000 active duty, retired and family member DOD beneficiaries of the 21st Space Wing, 50th Space Wing, Colorado Springs community and 39 geographically separated units around the globe. The group consists of a 10-building medical campus geographically distributed across three military installations and is also home to the DOD's largest Area Dental Laboratory which supports tri-service and Veterans Affairs dental facilities throughout the continental United States.

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 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAR 2019
3. Installation and Location/UIC: Joint Base Charleston, South Carolina	4. Project Title: Medical Consolidated Storage and Distribution Center	

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	53060	89902	33,300

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				26,056
High Bay Medical Warehouse - CATCODE 53060	SF	95,474	267	(25,492)
SDD, EPAct, Renewable Energy	LS	--	--	(564)
SUPPORTING FACILITIES				2,905
Electric Service	LS	--	--	(78)
Water, Sewer, Gas	LS	--	--	(114)
Parking/Paving, Walks, Curbs and Gutters	LS	--	--	(957)
Storm Drainage	LS	--	--	(45)
Site Imp (213) Demo (0)	LS	--	--	(213)
Information Systems	LS	--	--	(29)
Antiterrorism/Force Protection	LS	--	--	(38)
EISA 2007 Section 438 (Low Impact Development)	LS	--	--	(712)
Other (O&M Manuals, PCAS, and Enhanced Commissioning)	LS	--	--	(719)
ESTIMATED CONTRACT COST				28,961
CONTINGENCY PERCENT (5.00%)				1,448
SUBTOTAL				30,409
SUPERVISION, INSPECTION & OVERHEAD (5.70%)				1,733
DESIGN/BUILD DESIGN COST (4.00%)				1,216
TOTAL REQUEST				33,358
TOTAL REQUEST (ROUNDED)				33,300
INSTALLED EQT-OTHER APPROPRIATIONS				(1,336)

10. Description of Proposed Construction:
Construct a new Medical Consolidated Storage & Deployment Center (CSDC). Supporting facilities include utilities, communications, site improvements, parking, signage, antiterrorism/force protection measures, and environmental protection measures. The project will be designed in accordance with Unified Facilities Criteria (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 4-440-01 Warehouses and Storage Facilities barrier free design in accordance with Architectural Barriers Act (ABA) Accessibility Standard, 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, Post Construction Award Services and Enhanced Commissioning will be provided.

11. REQ: 95,474 SF ADQT: 0 SF SUBSTD: 80,000 SF

PROJECT:
Construct a replacement Medical CSDC. (CURRENT MISSION)

REQUIREMENT:
The CSDC requires an environmentally controlled warehouse to manage medical wartime supplies and logistics gear enabling immediate deployment to the air head.

CURRENT SITUATION:
The Charleston CSDC has reached its maximum logistical capacity and cannot accept additional Wartime Readiness

1. Component DEF (DHA)	**FY 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAR 2019
3. Installation and Location/UIC: Joint Base Charleston, South Carolina	4. Project Title: Medical Consolidated Storage and Distribution Center	

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	53060	89902	33,300

CURRENT SITUATION (Continued):
Mission (WRM) assemblages, thereby hindering the Air Force's ability to meet the required annual WRM Production Plan requirement. The current leased building is located in the civilian community of Charleston. This off-base location is not secure, hinders transport of material during elevated force protection conditions, and is under the protective jurisdiction of local town police. The current facility is not compliant with Anti-Terrorism Force Protection (AT/FP), is in a failing physical condition, and places its valuable contents at risk. The CSDC does not have a climate control system, which allows extreme heat and humidity during the summer months to degrade the efficacy of the pharmaceuticals and other medically related items contained in the facility. The JB Charleston CSDC assumes designation as a primary location should the CSDC San Antonio, TX become unable to continue operations.

IMPACT IF NOT PROVIDED:
The mission will continue to operate inappropriately to its mission in an unprotected asset that is further impeded by space limitations and lack of environmental controls. The facility's condition will negatively impact the Air Force's ability to maintain and deliver medical resources in a timely manner to support the Combatant Command requirements.

ADDITIONAL:
This submission is supported by an economic analysis.

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 Build
(2) Design Data:	
(a) Request for Proposal (RFP) Started:	NOV/2017
(b) Percent of Design Completed as of Jan 2019:	35%
(c) Request for Proposal Complete:	JAN/2020
(d) Total Design Cost ($000):	682
(e) Energy Studies and/or Life Cycle Analysis Performed:	Yes
(f) Standard or definitive design used?	No
(3) Construction Data:	
(a) Contract Award:	MAR/2020
(b) Construction Start:	SEP/2020
(c) Construction Complete:	APR/2022

1. Component DEF (DHA)	**FY 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MAR 2019

3. Installation and Location/UIC:	4. Project Title:
Joint Base Charleston, South Carolina	Medical Consolidated Storage and Distribution Center

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	53060	89902	33,300

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	2021	418
Investment	OP	2021	143
Expense	OM	2022	775

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEF (DHA)		MAR 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
Geilenkirchen AB, Germany	US Army Installation Management Command	1.00

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20180931	0	0	0	0	0	0	0	0	0	0
b. END FY 2024	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	114,032.00
b. INVENTORY TOTAL AS OF 20180930	27,759,960.00
c. AUTHORIZATION NOT YET IN INVENTORY	3,196,536.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	30,479.00
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	30,986,975.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2)
55010	Ambulatory Care Center/Dental Clinic	a. 31,436 SF Medical b. 7,465 SF Dental	30,479	JUN 2016	FEB 2020

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

Installations support US Army, Europe and Seventh Army (USAREUR), a trained and ready force capable of rapid responding and operating jointly in support of US EUCOM theater strategy. Installations serve as bases for projecting power in and out of EUCOM areas of responsibility by providing facilities for training, maintaining, housing, and supporting subordinate and supporting units/organizations. These units consist of combat support, and combat service support tactical units as well as theater, mission, installation support, and quality of life organizations required to maintain a trained and ready force oversees.

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 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. Date Mar 2019
3. Installation and Location/UIC: Geilenkirchen Air Base, Germany	4. Project Title: Ambulatory Care Center/Dental Clinic	

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	55010	72742	30,479

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				22,208
Medical Clinic – CATCODE 550101	SF	31,436	488	(15,341)
Dental Clinic – CATCODE 540243	SF	7,465	764	(5,703)
Additional Antiterrorism/Force Protection Measures	LS	--	--	(205)
German Water Separation	LS	--	--	(50)
SDD, EPAct, Renewable Energy	LS	--	--	(462)
Cybersecurity	LS	--	--	(447)
SUPPORTING FACILITIES				5,048
Electric Service	LS	--	--	(567)
Water, Sewer, Gas	LS	--	--	(197)
Steam and/or Chilled Water Distribution	LS	--	--	(66)
Parking/Paving, Walks, Curbs And Gutters	LS	--	--	(805)
Storm Drainage	LS	--	--	(73)
Site Imp (1,141) Demo (1,180)	LS	--	--	(2,321)
Information Systems	LS	--	--	(83)
Antiterrorism/Force Protection	LS	--	--	(214)
EISA 2007 Section 438 (Low Impact Development)	LS	--	--	(55)
Environmental Compensation	LS	--	--	(18)
Other (O&M Manuals, CID, DDC, and Enhanced Commissioning)	LS	--	--	(649)
ESTIMATED CONTRACT COST				27,256
CONTINGENCY PERCENT (5.00%)				1,363
SUBTOTAL				28,619
SUPERVISION, INSPECTION & OVERHEAD (6.50%)				1,860
TOTAL REQUEST				30,479
TOTAL REQUEST (NOT ROUNDED)				30,479
INSTALLED EQT-OTHER APPROPRIATIONS				(5,478)

10. Description of Proposed Construction:
Construct a replacement medical and dental clinic. The project will provide outpatient medical, behavioral health, dental, ancillary services, and space for other support/administrative functions. Buildings 91, 92, 93 and 94 will be demolished. The existing medical and dental facilities will be returned to the installation. Supporting facilities include utilities, information systems, site improvements, special foundation, access drive, parking, signage, environmental protection measures, antiterrorism force/protection measures, and low impact development. The supporting facilities also include German environmental compensation. 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. Operations and Maintenance Manuals, Comprehensive Interior Design, and Enhanced Commissioning will be provided.

Component DEF (DHA)	**FY 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. Date Mar 2019

3. Installation and Location/UIC:	4. Project Title:
Geilenkirchen Air Base, Germany	Ambulatory Care Center/Dental Clinic

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	55010	72742	30,479

11.	REQ:	ADQT:	SUBSTD:
	CATCODE 550101 = 31,436 SF	0 SF	38,703 SF
	CATCODE 540243 = 7,465 SF	0 SF	6,140 SF

PROJECT:
Construct a replacement Medical and Dental Clinic. (CURRENT MISSION)

REQUIREMENT:
Geilenkirchen AB requires a safe and efficient environment to provide outpatient medical, behavioral health and dental services to active duty members and their families.

CURRENT SITUATION:
The Medical Clinic (Building 208) is located in a building originally constructed in 1952 as a dormitory. The existing medical clinic is classified as a Limited Scope Medical Treatment Facility (LSMTF). It is three stories in height and includes a basement which was constructed as a blast shelter. The facility lacks fire suppression system, elevators, HVAC system, suffers from a failing structural system, and contains asbestos materials. The low ceilings and lack of day lighting in the basement, which is required by German Building Codes for spaces occupied by workers during the workday, limits the type of uses and services that can be provided on this level. Because of the building's construction, structural system, and basic layout, the clinical departments have been fit into existing spaces with little or no alterations to the original floor plan. As a result, most departments are undersized and experience functional and patient privacy issues. The Dental Clinic (Building 198) was constructed in 1987. It has not received a mid-life renovation and would require substantial sustainment to modernize.

IMPACT IF NOT PROVIDED:
The medical and dental clinics are essential for providing medical support to the 470 ABS personnel, and to ensure the combat readiness of USAF personnel. Operationally the separate clinic buildings which are located one block apart do not deliver the required level of patient access to care and operational efficiencies for staff. The existing NATO-owned dormitory facility in use as a USAF primary care medical clinic cannot deliver a modern environment of care due to physical design features incapable of modernization.

ADDITIONAL:
This submission is supported by an economic analysis.

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

2. Supplemental Data:

A. Estimated Execution Data

(1) Acquisition Strategy:	Design Bid Build
(2) Design Data:	
(a) Design Started:	JUN/2016
(b) Percent of Design Completed as of Jan 2019:	35%

Component DEF (DHA)	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date Mar 2019
3. Installation and Location/UIC: Geilenkirchen Air Base, Germany	4. Project Title: Ambulatory Care Center/Dental Clinic	

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
87717DHA	55010	72742	30,479

(c) Design Complete: FEB/2020

Supplemental Data (Continued):

(d) Total Design Cost ($000): 2,730
(e) Energy Studies and/or Life Cycle Analysis Performed: Yes
(f) Standard or definitive design used? No

(3) Construction Data:
(a) Contract Award: AUG/2020
(b) Construction Start: OCT/2020
(c) Construction Complete: APR/2023

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	2021	660
Expense	OM	2021	240
Expense	OM	2022	4,578

Chief, Design, Construction & Activation Office:

Defense Logistics Agency
FY 2020 Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
California				
Beale Air Force Base				
Hydrant Fuel System Replacement	33,700	33,700	C	32
Mississippi				
Columbus Air Force Base				
Fuel Facilities Replacement	16,800	16,800	C	35
Oklahoma				
Tulsa International Airport Air National Guard				
Fuels Storage Complex	18,900	18,900	C	39
Rhode Island				
Quonset State Airport				
Fuels Storage Complex Replacement	11,600	11,600	C	43
South Dakota				
Ellsworth Air Force Base				
Hydrant Fuel System Replacement	24,800	24,800	C	47
Virginia				
Defense Distribution Depot Richmond				
Operations Center Phase 2	98,800	98,800	C	51
Wisconsin				
General Mitchell IAP				
POL Facilities Replacement	25,900	25,900	C	57
Guam				
Joint Region Marianas				
XRay Wharf Refuel Facilities	19,200	19,200	C	62
Japan				
Yokota Air Base				
Bulk Storage Tanks Phase 1	116,305	116,305	C	65
Total	**366,005**	**366,005**		

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEFENSE (DLA)		March 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
BEALE AIR FORCE BASE, CALIFORNIA	DEFENSE LOGISTICS AGENCY	1.21

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF YYYMMDD										0
b. END FY										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	33,700.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	14,000.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	47,700.00

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
121	HYDRANT FUEL SYSTEM REPLACEMENT	7 OL	33,700	DEC 2017	NOV 2019

9. FUTURE PROJECTS

124	CONSTRUCT BULK FUEL TANK	10,000 BL	14,000	DEC 2020	OCT 2022

10. MISSION OR MAJOR FUNCTIONS

Beale AFB hosts the 9th Reconnaissance Wing which is responsible for providing national and theater command authorities with timely, reliable, high-quality, high-altitude reconnaissance products. To accomplish this mission, the wing is equipped with the nation's fleet of U-2 and RQ-4 reconnaissance aircraft and associated support equipment. The wing also maintains a high state of readiness in its expeditionary combat support forces for potential deployment in response to theater contingencies. Beale AFB hosts a squadron of eight KC-135R Stratotanker aircraft. The installation frequently supports wide-body transient aircraft, which typically include C-17s or C-5s.

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 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		March 2019

3. Installation and Location	4. Project Title
BEALE AIR FORCE BASE, CALIFORNIA	HYDRANT FUEL SYSTEM REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	121122	DESC2004	33,700

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES.....	-	-	-	25,320
HYDRANT OUTLETS & PIPING (CC 121122)	OL	7	1,719,143	(12,034)
FUEL PUMP HOUSE (CC 125977)	GM	1,800	3,075	(5,535)
FUEL STORAGE TANKS AND CONTAINMENT (CC 124135) .	GA	420,000	11.58	(4,864)
LIQUID FUEL STAND, UNLOADING (CC 126926)	OL	2	757,500	(1,515)
LIQUID FUEL TRUCK FILL STAND (CC 126925)	OL	2	686,000	(1,372)
SUPPORTING FACILITIES.....	-	-	-	5,040
SITE PREPARATION	LS	-	-	(2,075)
SITE IMPROVEMENTS	LS	-	-	(2,069)
UTILITIES	LS	-	-	(736)
ELECTRICAL AND COMMUNICATIONS	LS	-	-	(160)
SUBTOTAL.....	-	-	-	30,360
CONTINGENCY (5%).....	-	-	-	1,518
ESTIMATED CONTRACT COST.....	-	-	-	31,878
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (5.7%)..	-	-	-	1,817
TOTAL	-	-	-	33,695
TOTAL (ROUNDED)	-	-	-	33,700
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)..	-	-	-	(160)

10. Description of Proposed Construction:

The project will construct a new Type III Hydrant System with two 5,000-barrel aboveground storage tanks, hydrant loop, and 1,800-gpm pump house. The new pump house will connect issue and return piping to the new airfield hydrant fuel loop. Primary means of fuel delivery to the project site will be by the existing transfer pipeline from the existing bulk fuel storage area on the installation which will be modified under this project.

The project will include hydrant outlets, piping and related pipe appurtenances, cathodic protection, fuel pump house control room and shelter with pumps, filter separators and related piping, valves and fittings, fuel storage with containment, access walks/stairs, truck fill stands, truck unloads, hydrant hose truck (HHT) checkout stand, and product recovery tank. Supporting facilities include site clearing & grading; site improvements for access roads, parking, secondary containment, drainage, utility improvements, pig launcher and receiver stations, pavement and markings, and security fencing.

Electrical and communications work includes the control systems, underground primary and secondary service, communications, pad mounted transformers, emergency generator, site lighting, automatic tank gauging system, grounding & lighting protection, emergency power down switches, pump connections and demolition/rerouting of existing electrical utilities.

Anti-Terrorism Force Protection (ATFP), cyber-security and sustainable design principles will

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		March 2019

3. Installation and Location	4. Project Title
BEALE AIR FORCE BASE, CALIFORNIA	HYDRANT FUEL SYSTEM REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	121122	DESC2004	33,700

be incorporated into the design and construction.

11. REQUIREMENT: 7 OUTLETS (OL) **ADEQUATE:** 0 OL **SUBSTANDARD:** 18 OL

PROJECT: Replace obsolete and non-code compliant hydrant fuel system and operational fuel storage tanks with a modern pressurized fuel system and operational fuel storage tanks. (C)

REQUIREMENT: Replace the underground fuel storage tanks (USTs) per California law to remove all UST’s by 2025.

CURRENT SITUATION: The existing 1952-era underground tanks that supply the airfield hydrant system are near the end of their useful life. The USTs are no longer exempt from Federal regulatory requirements. The State of California, as the regulatory authority, has informed DLA the USTs are out of environmental compliance and require removal before 1 January 2025. The existing hydrant system will not function without the USTs. In addition, the existing pump house is an airfield obstruction and operates under a waiver. The current facilities are operational but degradation of the eight 50K gallon USTs indicates capability failure of the tanks is imminent.

IMPACT IF NOT PROVIDED: Closure and removal of the existing tanks will result in the loss of a functioning airfield hydrant system and total reliance on fuel truck delivery. Fuel truck refueling operations will significantly slow aircraft fueling operations.

ADDITIONAL: This facility can be used by other components on an "as available" basis however, the project scope is based on Air Force requirements. Design will comply with Unified Facilities Criteria. Sustainable principles include life cycle cost effective practices will be integrated into design and construction. This project will meet all applicable DoD criteria to include cyber-security. This site is not located in a floodplain. This project was included in the prior year’s future-years defense program.

12. Supplemental Data:	
A. Estimated Design Data:	
1. Acquisition Strategy	Design Bid Build
2. Design Data	
(a) Design or Request for Proposal (RFP) Started:	DEC/2017
(b) Percent of Design Completed as of Jan 2019 (BY-1):	35%
(c) Design or RFP Complete:	NOV/2019
(d) Total Design Cost ($000):	772
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used?	Yes
3. Construction Data:	
(a) Contract Award:	MAR/2020
(b) Construction Start:	MAY/2020
(c) Construction Complete:	OCT/2023

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

PURPOSE	APPROPRIATION	FISCAL YEAR REQUIRED	AMOUNT ($000)
AUTOMATIC TANK GAUGING	DWCF	2020	160

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEFENSE (DLA)		March 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
COLUMBUS AIR FORCE BASE, MISSISSIPPI	DEFENSE LOGISTICS AGENCY	0.83

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF YYYMMDD										0
b. END FY										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	16,800.00
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	16,800.00

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
124135	FUEL FACILITIES REPLACEMENT	150,000 GA	16,800	JAN 2018	SEP 2019

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

Columbus Air Force Base is home of the 14th Flying Training Wing (FTW) of Air Education and Training Command's 19th Air Force. The 14th FTW mission statement is "Produce Pilots, Advance Airmen, Feed the Fight." The wing's mission is specialized undergraduate pilot training in the T-6 Texan II, T-38C Talon, and T-1A Jayhawk aircraft. Each day the wing flies an average of 260 sorties on its three parallel runways. In addition to the flying training mission, Columbus AFB maintains more than 900 highly trained individuals capable of deploying at a moment's notice to support worldwide taskings and contingencies.

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 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		MARCH 2019

3. Installation and Location	4. Project Title
COLUMBUS AIR FORCE BASE, MISSISSIPPI	FUEL FACILITIES REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	124135	DESC19S4	16,800

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES	-	-	-	11,281
OPERATING STORAGE JET FUEL (CC 124135)	GA	150,000	34.52	(5,178)
FILTER SHELTER (CC 125977)	GM	2,400	1,237.5	(2,970)
LIQUID FUEL TRUCK FILL STAND (CC 126925)	OL	2	1,077,000	(2,154)
LIQUID FUEL STAND, UNLOADING (CC 126926)	OL	1	979,000	(979)
SUPPORTING FACILITIES	-	-	-	3,830
MECHANICAL WORK	LS	-	-	(2117)
SITE IMPROVEMENTS	LS	-	-	(832)
ELECTRICAL WORK	LS	-	-	(826)
SITE PREPARATION AND DEMOLITION	LS	-	-	(55)
SUBTOTAL	-	-	-	15,111
CONTINGENCY (5%)	-	-	-	756
ESTIMATED CONTRACT COST	-	-	-	15,867
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (5.7%)..	-	-	-	904
TOTAL	-	-	-	16,771
TOTAL (ROUNDED)	-	-	-	16,800
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)..				(367)

10. Description of Proposed Construction:

Construct a new fueling facility consisting of aboveground horizontal storage tanks with tank-mounted pumps, filter separator shelter with receipt and issue filtration, truck fill stands, truck unload, product recovery tank, and associated infrastructure. The project also includes the replacement of the existing transfer pumps, located at the existing bulk fuel facility, along with other related mechanical and electrical modifications.

The new horizontal aboveground double-walled storage tanks are 50,000 gallons each, providing a total of 150,000 gallons at the new facility. Each tank is equipped with 600-gpm vertical turbine pumps and a water draw-off system and includes an automatic tank gauge, level alarms, a high-level shutoff valve and all other associated piping and appurtenances.

The new filter shelter consists of a pre-engineered steel shelter with open sides, a reinforced concrete slab on grade with containment curb, 1,200-gpm receipt filter separators, and 1,200-gpm issue filter separators, aboveground double-wall product recovery tank and all necessary piping, pumps, valves, and appurtenances.

The new truck fill stands include all necessary mechanical equipment, pumps, grounding, spill containment, piping, and valves.

The new truck unload position includes a skid-type design capable of receiving fuel at 600-gpm. The skid will be equipped with unload connections and hoses, basket strainer with

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		MARCH 2019

3. Installation and Location	4. Project Title
COLUMBUS AIR FORCE BASE, MISSISSIPPI	FUEL FACILITIES REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	124135	DESC19S4	16,800

differential pressure gauge, sample connection, air eliminator tank, vertical inline centrifugal pump, flow switch, flow meter, control valves, pressure gauges, valves, and all other associated appurtenances.

Mechanical work includes new aboveground stainless steel transfer piping that ties to the existing transfer line and runs between the filter shelter, operating tanks, fill stands and unload point. Provide connections for a temporary pigging system near the tie-in location. At the existing Bulk Fuels facility, demolish two existing transfer pumps and modify piping to provide new 600-gpm pumps to transfer fuel to the new fueling system through the existing transfer line.

Site improvements include fencing, gates, seeding, signage, all work necessary for concrete pavement, curbs, sidewalks, and access drives, utilities, including piping and connections to support water requirements and other necessary work, storm drainage piping, trench drains, remote spill containment basins, and related utility work and canopies for unload and fill stand equipment.

Site electrical work includes cathodic protection, canopy and site lighting, primary and secondary service and connections, transformers, automatic tank gauging systems, lightning protection, grounding, communications, emergency power down switches and related work.

Site preparation and demolition includes demolition of existing pavements, existing utilities, fuel piping and pumps, and clearing and grading activities.

11. REQUIREMENT: 150,000 GALLONS (GA) **ADEQUATE:** 0 GA **SUBSTANDARD:** 0 GA

PROJECT: Provide a new operating truck fueling facility with operating fuel storage tanks, fill stands, unload point, and upgraded bulk fuel transfer pumps.

REQUIREMENT: A fully functional and maintainable fueling system located close to the flight line that provides an uninterrupted supply of fuel to support the wing's pilot training mission.

CURRENT SITUATION: The flight line fill stands are currently served from the adjacent Type II hydrant system. This system was constructed in 1959 and includes eight 50,000 gallon, single wall, underground storage tanks (USTs), pump shelter, control room and underground piping system serving four inactive hydrant positions. The hydrant system is severely degraded and has exceeded its expected life cycle. Although the Mississippi Department of Environmental Quality (MDEQ) Underground Storage Tank Regulations grant deferrals to airport hydrant fuel distribution systems, the hydrant system is inoperable and is no longer exempt under the hydrant deferral, and the base is vulnerable to notice of violations (NOVs). Furthermore, the base currently pays the MDEQ tank regulatory fees an annual payment of $100 per tank/$1,100 per year.

Following successful construction and commissioning of the new fueling system, the existing flight line fill stands, its pump house, control room, USTs, and hydrant system will no longer be required and should be removed as part of a separate project. This will eliminate all inspections and maintenance costs associated with the existing hydrant system, USTs, and pump house.

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		MARCH 2019

3. Installation and Location	4. Project Title
COLUMBUS AIR FORCE BASE, MISSISSIPPI	FUEL FACILITIES REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	124135	DESC19S4	16,800

IMPACT IF NOT PROVIDED: The existing flight line pump house facility will require extensive repair and maintenance to remain operational. In addition, the existing underground tanks will continue to require frequent inspections and payment of regulatory fees. Without a major system upgrade, the hydrant system will continue to degrade to the point of failure. The Base will be vulnerable to NOVs issued by the MDEQ. System failure will result in the need to utilize fill stands at the bulk storage facility located off the flight line. This will greatly increase the time required to refuel aircraft and significantly decrease the sortie generation rate, ultimately impacting the pilot training mission.

ADDITIONAL: This project meets all applicable DoD criteria including cyber-security requirements. The project site is not in a 100-year floodplain. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. An economic analysis has been prepared and utilized in evaluating this project. This project is the most cost-effective method to satisfy the requirement. This project was included in the prior year’s future-years defense program.

12. Supplemental Data:	
A. Estimated Design Data:	
1. Acquisition Strategy:	Design Bid Build
2. Design Data	
(a) Design or Request for Proposal (RFP) Started:	JAN/2018
(b) Percent of Design Completed as of Jan 2019:	35%
(c) Design or RFP Complete:	SEP/2019
(d) Total Design Cost ($000):	$1,359
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Standard or definitive design used?	No
3. Construction Data:	
(a) Contract Award:	MAR/2020
(b) Construction Start:	MAY/2020
(c) Construction Complete:	MAY/2022

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

PURPOSE	APPROPRIATION	FISCAL YEAR REQUIRED	AMOUNT ($000)
AUTOMATIC TANK GAUGING	DWCF	2020	367

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEFENSE (DLA)		March 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
TULSA INTERNATIONAL AIRPORT ANG, TULSA, OKLAHOMA	DEFENSE LOGISTICS AGENCY	0.87

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF YYYMMDD										0
b. END FY										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	18,900.00
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	18,900.00

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
124	FUELS STORAGE COMPLEX	150,000 GA	18,900	DEC 2017	OCT 2019

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

The Tulsa International Airport is the home of the 138th Fighter Wing of the Oklahoma Air National Guard. The mission of the 138th Fighter Wing is to attain and maintain operational readiness; provide combat capability; and recruit and train toward these goals. The wing operates twenty four F-16 fighter aircraft. The wing supports training of Joint Terminal Attack Controllers at Camp Gruber, and provides aircraft, pilots and support crew for the air defense mission based located at Ellington ANG Base, Houston, TX.

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 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		March 2019

3. Installation and Location	4. Project Title
TULSA INTERNATIONAL AIRPORT AIR NATIONAL GUARD, TULSA, OKLAHOMA	FUELS STORAGE COMPLEX

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	124135	DESC1912	18,900

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES	-	-	-	9,751
FUEL STORAGE: JET-A (CC 124135)	GA	150,000	16.27	(2,440)
FILTER SEPARATOR FACILITY (CC 125977)	SF	3,750	597	(2,238)
CONTROL BUILDING (CC 121124)	SF	976	1,585	(1,547)
FUEL OPERATIONS BUILDING (CC 121111)	SF	2,450	511	(1,252)
VEHICLE FUELING STATION (CC 123335)	OL	4	186,750	(747)
LIQUID FUEL STAND UNLOADING (CC 126926)	OL	2	208,500	(417)
FUEL STORAGE: DIESEL (CC 124134)	GA	8,000	47	(373)
FUEL STORAGE: MOGAS (CC 124137)	GA	8,000	47	(373)
LIQUID FUEL TRUCK FILL STAND (CC 126925)	OL	2	182,000	(364)
SUPPORTING FACILITIES	-	-	-	7,242
SITE PREPARATION AND IMPROVEMENTS	LS	-	-	(3,668)
UTILITIES	LS	-	-	(1,643)
ELECTRICAL AND COMMUNICATIONS	LS	-	-	(1,300)
FUEL SYSTEMS AND PIPING	LS	-	-	(631)
SUBTOTAL	-	-	-	16,993
CONTINGENCY (5%)	-	-	-	850
ESTIMATED CONTRACT COST	-	-	-	17,843
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (5.7%)	-	-	-	1,018
TOTAL	-	-	-	18,861
TOTAL (ROUNDED)	-	-	-	18,900
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)	-	-	-	(160)

10. Description of Proposed Construction:

The project will construct a new fuel complex consisting of a new aviation fueling facility and vehicle fueling station. The Aviation fueling system contains a fuels storage distribution point with new 50,000 gallon aboveground operating storage tanks, 600-gpm pumps, 1,200-gpm filter separators, 600-gpm truck unload skids, 600-gpm truck fill stands, support piping and instrumentation. The vehicle fueling station consists of aboveground diesel and mogas storage tanks, fuel dispenser islands, support piping and instrumentation and a POL operations building.

Control buildings include a bulk fuel control building, a vehicle fueling station control building, and a R-11 maintenance building.

Canopies shall be provided for the filter separator facility, truck unloads, fuel truck fill stands, and the vehicle fueling station.
Site Improvements include site clearing and grading, access roads, paving and refueler parking, secondary containment, storm drainage, and security fencing and gates.

Utilities include water, wastewater, gas service and all connections. Electrical and

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		March 2019

3. Installation and Location	4. Project Title		
TULSA INTERNATIONAL AIRPORT AIR NATIONAL GUARD, TULSA, OKLAHOMA	FUELS STORAGE COMPLEX		
5. Program Element	**6. Category Code**	**7. Project Number**	**8. Project Cost ($000)**
0701111S	124135	DESC1912	18,900

communications work includes the control systems, primary and secondary service, communications, pad mounted transformers, emergency generator, site lighting, automatic tank gauging system, and grounding & lighting protection.

Anti-Terrorism Force Protection (ATFP), cyber-security and sustainable design principles will be incorporated into the design and construction.

11. REQUIREMENT: 150,000 GAL **ADEQUATE:** 0 EA **SUBSTANDARD:** 0 GAL

PROJECT: Construct Fuel Storage and operations complex (C)

REQUIREMENT: A permanently constructed, adequately sized, functionally configured, environmentally compliant, reliable system for the receiving, storage and issue of aviation and ground fuel products in support of the aircraft and supporting vehicle fleet of the 138th Fighter Wing (FW) of the Oklahoma Air National Guard and Army Aviation Support Facility of the Oklahoma Army National Guard.

CURRENT SITUATION: The 138th FW presently has no organic real property facilities for the receipt, storage or issue of aviation jet fuel. Mission jet fuel requirements are only marginally met by a local fixed base operator (FBO) that also supports the scheduled airlines serving the airport along with executive and private customers.

The FBO has a fueling station which serves commercial customers as well as the 138th FW. A round trip to the FBO to load and return to the ANG aircraft parking apron requires between 60 and 75 minutes to complete. Fuel quality from the FBO is a concern with testing revealing that the FBO has periodically provided out of military specification product.

Storage capability of the FBO is 40,000 gallons total, and once this fuel is exhausted the ANG has no refueling capability until the supplier can re-stock. These tanks also serve the requirements of the scheduled airlines whose “purchased/guaranteed fuel” can further limit the quantity of fuel available for military support.

The refueling vehicles park on the aircraft parking apron, and the amount of space allotted to park the refueling vehicles does not allow them to meet the DoD safety separation distances. Due to the arrangement of the parking apron the refueling vehicles must violate standard safety practices while moving to refuel aircraft.

The existing POL Operations offices are in a larger base support facility that is not in close proximity to any of the assets for which this functional area has responsibility.

The installation currently has a vehicle fueling station consisting of a 5,000-gallon diesel and 5,000-gallon MOGAS tank. These tanks are located within the fenced vehicle maintenance compound that does not offer necessary 24/7 access. The fueling station lacks secondary containment, site lighting, overfill protection, stairs, and walkways to access the top of the tanks, and emergency stop controls.

IMPACT IF NOT PROVIDED: If this project is not provided operational capabilities of the 138th Fighter Wing will continue to be negatively impacted. Safety and fuel quality procedures will continue to operate under waivers; and the likelihood of an accident involving the fueling operations remains elevated.

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		March 2019

3. Installation and Location	4. Project Title		
TULSA INTERNATIONAL AIRPORT AIR NATIONAL GUARD, TULSA, OKLAHOMA	FUELS STORAGE COMPLEX		
5. Program Element	**6. Category Code**	**7. Project Number**	**8. Project Cost ($000)**
0701111S	124135	DESC1912	18,900

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all appropriate physical security measures are included. All required antiterrorism protection measures are included. An economic analysis has been prepared and utilized in evaluating this project. This project is the most cost-effective method to satisfy the requirement.

Design will comply with DoD Unified Facilities Criteria Petroleum Fuel Facilities design. Sustainable principles include life cycle cost effective practices will be integrated into design and construction, in accordance with applicable laws and Executive Orders. This project will meet all applicable DoD criteria to include cyber-security. Mission requirements, operational considerations and location are incompatible with use by other components. This site is not located in a 100-year floodplain. This project was included in the prior year's future-years defense program.

12. Supplemental Data:	
A. Estimated Design Data:	
1. Acquisition Strategy	Design Bid Build
2. Design Data	
(a) Design or Request for Proposal (RFP) Started:	DEC/2017
(b) Percent of Design Completed as of Jan 2019:	35%
(c) Design or RFP Complete:	OCT/2019
(d) Total Design Cost ($000):	772
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used?	Yes
3. Construction Data:	
(a) Contract Award:	MAR/2020
(b) Construction Start:	MAY/2020
(c) Construction Complete:	OCT/2022

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

PURPOSE	APPROPRIATION	FISCAL YEAR REQUIRED	AMOUNT ($000)
AUTOMATIC TANK GAUGING	DWCF	FY21	160

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEFENSE (DLA)		March 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
QUONSET STATE AIRPORT, RHODE ISLAND	DEFENSE LOGISTICS AGENCY	1.17

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF YYYMMDD										0
b. END FY										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	11,600.00
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	11,600.00

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
121	FUELS STORAGE COMPLEX REPLACEMENT	1,571 SF	11,600	JAN 2018	SEP 2019

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

This project, for the Quonset Point ANGB hosts the 143rd Airlift Wing (AW). As part of the Air Mobility Command, the 143rd AW continues to be called upon to support State, Federal, and UN activities throughout the world. Volunteers from the 143rd AW have participated in many United Nations relief missions and under the Air Force, the Wing has participated in five Expeditionary Air Force (EAF) cycles. The 143rd AW provides air logistics support pursuant to its missions.

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 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		MARCH 2019

3. Installation and Location	4. Project Title
QUONSET STATE AIRPORT, RHODE ISLAND	FUELS STORAGE COMPLEX REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	121124	DESC20S1	11,600

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES	-	-	-	7,326
PUMP HOUSE AND CONTROL ROOM (CC 121124)	SF	1,571	3,069	(4,821)
LIQUID FUEL TRUCK FILL STAND (CC 126925)	OL	2	644,000	(1,288)
LIQUID FUEL STAND, UNLOADING (CC 126926)	OL	2	608,500	(1,217)
SUPPORTING FACILITIES	-	-	-	3,116
SITE IMPROVEMENTS	LS	-	-	(1,301)
CIVIL & MECHANICAL UTILITIES AND STORM DRAINAGE	LS	-	-	(754)
SITE ELECTRICAL AND COMMUNICATIONS	LS	-	-	(445)
DEMOLITION AND SITE PREPARATION	LS	-	-	(407)
TEMPORARY FUELING FACILITY	LS	-	-	(209)
SUBTOTAL	-	-	-	10,442
CONTINGENCY (5%)	-	-	-	522
ESTIMATED CONTRACT COST	-	-	-	10,964
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (5.7%)..	-	-	-	625
TOTAL	-	-	-	11,589
TOTAL (ROUNDED)	-	-	-	11,600
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)..				(50)

10. Description of Proposed Construction:

Construct a new fuels complex that includes a pump house with a control room, product recovery tank, refueling vehicle parking, truck loading and unload points, and supporting facilities. The new fuel facility will supply the refueling trucks that service the airfield. Anti-terrorism (AT/FP), cyber-security, and sustainable design principles are incorporated into the design and construction.

The new pump house contains 300-gpm pumps, 600-gpm receipt filter separators, 300-gpm issue filter separators, and all related piping, piping supports, pumps, valves, and appurtenances. The pump house includes a control room, pump room, mechanical room, as well as emergency shut-off switches, emergency shower and eyewash, HVAC, fire sprinklers, alarms, bridge crane, pump controls, grounding and lightning protection, communications and data infrastructure, leak detection systems, aboveground double-wall product recovery tank and all associated piping, pumps, valves, and appurtenances.

New truck unloading points and fill stands includes refueler truck load and unload areas well as all necessary mechanical equipment, pumps, grounding, spill containment, and piping.

Site improvements include, fencing and gates, signage, landscaping, sidewalks, paving and concrete pavement for access drives, roads, parking, pavement markings and canopies for the fuel unloading and fill stands.

Civil and mechanical work includes but is not limited to pipes, valves and appurtenances between the pump house, truck unloading, fill stands, and existing tanks. Provide new

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		MARCH 2019

3. Installation and Location	4. Project Title
QUONSET STATE AIRPORT, RHODE ISLAND	FUELS STORAGE COMPLEX REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	121124	DESC20S1	11,600

nozzles, isolation valves, supports, and other necessary components, in addition to all work necessary to upgrade the existing fuel storage tanks. Utilities and storm drainage include connections to support water, gas, and sewer requirements, stormwater management, storm drainage, oil water separators, pipes, and other necessary work.

Site electrical and communications work includes area lighting, generator, cathodic protection, building lighting, transformers, automatic tank gauging systems, lightning protection, grounding, communications, emergency fuel shut off systems, and control stations.

Demolition and site preparation includes demolition of building 18 (140 SF), building 19 (800 SF), truck fill stands and unload positions, fencing and gates, lighting poles and foundations, and all associated piping and equipment. Site preparation includes site clearing and grading, and demolition of pavements.

Provide a temporary truck fueling area to maintain fuel issue and receipt capabilities of the site during construction of the project, to include temporary piping and spill containment.

11. REQUIREMENT: 1,571 SQUARE FEET (SF) **ADEQUATE:** 0 SF **SUBSTANDARD:** 940 SF

PROJECT: Replace an obsolete fuel system with a modern system, including a new pump house, fill stands, and unload points. (C)

REQUIREMENT: This project is required to repair and modernize the 143rd Airlift Wing’s (AW) existing fuel storage complex so that it is functionally configured, environmentally compliant, and reliable to refuel its fleet of C-130 cargo aircraft. The new complex must allow simultaneous operation of fuel unloading and truck filling.

CURRENT SITUATION: The Quonset Air National Guard fuels storage complex includes two 2,500 barrel aboveground storage tanks, an open sided pump shelter with issue and receipt pumps and filter separators, two truck fill stand positions, two truck unload positions, and an aboveground product recovery tank. Although there are two sets of fill stand and unload equipment, only one truck servicing operation can occur at a time due to the tight equipment configuration. The majority of the equipment and buildings in the fuels storage complex were built in 1982 and have exceeded the typical life expectancy of 25 years for liquid fuels equipment. Due to age of the facilities, both maintenance costs and man-hours to complete the mission have increased over time and replacement parts are difficult to obtain. Overall, the POL storage complex does not comply with Unified facilities Criteria (UFC) for system features, redundancy, and operational requirements. The complex does not comply with Clean Water Act requirements or state laws, and was specifically required to be updated by 2012 in the State Storm Water permit.

The configuration of the truck fill stand and unload equipment only allow service to one truck at a time. The UFC requires redundancy for both fill stand and unloading operations. If the mission requires a quick-turn fill while a commercial truck is unloading, the truck must disconnect and back out of the way to allow R-11 refueling. This process causes significant POL mission delays which then impact wing operations. This single point of failure was identified as a having high potential for spills and/or damage to government property.
In addition to fill stand and unload operational limitations, there are numerous UFC and code related deficiencies. The fueling equipment and the pump shelter structure at Building 19 was

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		MARCH 2019

3. Installation and Location	4. Project Title
QUONSET STATE AIRPORT, RHODE ISLAND	FUELS STORAGE COMPLEX REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	121124	DESC20S1	11,600

constructed in 1982. The equipment, building, and electrical lighting have not received any major updates in 30 years, resulting in high maintenance costs and increased downtime. The existing pump shelter does not provide protection from the elements and subjects the equipment to corrosive oceanic atmospheric conditions, significantly reducing equipment life expectancy.

IMPACT IF NOT PROVIDED: Without this project, the fuels storage complex will continue to delay or cancel 143rd Airlift Wing flights, will not comply with environmental laws, and will have increasing maintenance costs. Additionally, POL and maintenance personnel will continue working under documented safety violations that could have negative mission impact. The area will continue to have fuel spills which will subject the Base to notice of violations and fines or permit revocation for failure to comply with conditions outlined in the 2010 storm water permit. The outdated system does not comply with current UFC, NFPA, and NEC codes causing an increase in safety concerns and a decrease in mission efficiency. Because of the code violations, the storage system has major points of failure that if not addressed, will increase the likelihood of mission failure.

ADDITIONAL: This project meets all applicable DoD criteria including cyber-security. This project has been coordinated with the installation physical security plan, and all physical security and antiterrorism protection measures are included. The entire base and this project is within the 100-year floodplain and there is no alternative location outside of the floodplain. As dictated by local building codes, the finished floor elevation of the pump house will be two feet higher than the 100-year floodplain elevation and top of curb elevations will be above the 100-year floodplain elevation. This project was included in the prior year’s future-years defense program.

12. Supplemental Data:	
A. Estimated Design Data:	
4. Acquisition Strategy:	Design Bid Build
5. Design Data	
(a) Design or Request for Proposal (RFP) Started:	JAN/2018
(b) Percent of Design Completed as of Jan 2019:	35%
(c) Design or RFP Complete:	SEP/2019
(d) Total Design Cost ($000):	844
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Standard or definitive design used?	Yes
6. Construction Data:	
(a) Contract Award:	MAR/2020
(b) Construction Start:	APR/2020
(c) Construction Complete:	APR/2022

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

PURPOSE	APPROPRIATION	FISCAL YEAR REQUIRED	AMOUNT ($000)
AUTOMATIC TANK GAUGING	DWCF	2020	50

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEFENSE (DLA)		March 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
ELLSWORTH AIR FORCE BASE, SOUTH DAKOTA	DEFENSE LOGISTICS AGENCY	1.04

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF YYYMMDD										0
b. END FY										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	24,800.00
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	24,800.00

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
124	HYDRANT FUEL SYSTEM REPLACEMENT	840,000 GA	24,800	JUL 2017	OCT 2019

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

Ellsworth AFB is the home of the 28th Bomb Wing, which is under the Air Force Global Strike Command (AFGSC). The mission of the 28th Bomb Wing is to guarantee our Nation's expeditionary combat power – anywhere on the globe. As one of the B-1B bases, the 28th provides combat ready B-1B aircrews for worldwide tasks, including conventional operations and power projection. Airmen in the 28th fly the B1-B, plan and support combat operations, and develop deployment plans. In addition, the wing is home to the 432nd Attack Squadron, which controls the MQ-9 Reaper remotely piloted aircraft.

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 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		MARCH 2019

3. Installation and Location	4. Project Title
ELLSWORTH AIR FORCE BASE, SOUTH DAKOTA	HYDRANT FUEL SYSTEM REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	124135	DESC1913	24,800

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES	-	-	-	20,185
OPERATING STORAGE TANKS (CC 124135)	GA	840,000	8	(7,056)
PUMP HOUSE (CC 121124)	SF	4,950	1,349.2	(6,679)
POL PIPELINE SYSTEM (CC 125210)	LF	4,000	1,075	(4,300)
PIPELINE LIQUID FUELS (CC 125554)	LF	2,000	1,075	(2,150)
SUPPORTING FACILITIES	-	-	-	2,078
SITE ELECTRICAL & COMMUNICATIONS	LS	-	-	(1,248)
CIVIL & MECHANICAL UTILITIES	LS	-	-	(307)
PAVEMENTS	LS	-	-	(269)
SITE PREPARATION & IMPROVEMENTS	LS	-	-	(254)
SUBTOTAL	-	-	-	22,263
CONTINGENCY (5%)	-	-	-	1,113
ESTIMATED CONTRACT COST	-	-	-	23,376
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (5.7%)..	-	-	-	1,332
TOTAL	-	-	-	24,708
TOTAL (ROUNDED)	-	-	-	24,800
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)..				(175)

10. Description of Proposed Construction:

Construct a fuel system with primary facilities consisting of above-ground operating storage tanks with concrete containment, access catwalks, and stairs; a Type III hydrant fueling pump house with control room, and piping to/from tanks, pump house, existing fill stands & hydrant hose truck checkout stand, and product recovery tank. The pump house and filter buildings contain 600-gpm pumps, issue filter separators, receipt filter separators, all with backups, and including associated valves, piping and fittings; fire alarms and panel, communications, alarm systems, and associated mechanical and electrical systems/work with a double wall above-ground product recovery tank.

Supporting facilities site electrical and communications work include the control systems, underground primary and secondary service, communications, pad mounted transformers, emergency generator, site lighting, automatic tank gauging system, grounding & lightning protection, emergency power down switches, and pump connections.

Civil & mechanical utilities include site water, sanitary sewer, storm drainage, and related work. Site preparation & improvements include clearing/grubbing, fencing and miscellaneous demolition, walks, fencing, bollards, and related work. Pavement includes POV parking, access

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		MARCH 2019

3. Installation and Location	4. Project Title
ELLSWORTH AIR FORCE BASE, SOUTH DAKOTA	HYDRANT FUEL SYSTEM REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	124135	DESC1913	24,800

drives, containment curbs, and equipment pads.

11. REQUIREMENT: 840,000 GALLONS (GA) **ADEQUATE:** 0 GA **SUBSTANDARD:** 0 GA

PROJECT: Construct Type III Hydrant System, Pump House and Tanks. (C)

REQUIREMENT: Adequate equipment and controls to deliver clean, dry fuel and serve as a primary means of fuel delivery to hydrants at 90 Row and 100 Row for the north ramp hangars and the Live Ordinance Loading Area (LOLA) and a backup means of fuel delivery for 70 Row and 80 Row hydrants in support of large aircraft. Adequate fuel supply is required to expedite safe and efficient generation of aircraft sorties. The hydrant system for large aircraft requires a flow rate of 2,400-gpm.

CURRENT SITUATION: Aside from truck refueling options, the only backup to the existing CASS (modified) Type III hydrant system are three antiquated Type I systems on the south ramp. These facilities are in need of constant maintenance to keep them operational. Back-up systems do not adequately support mission requirements as aircraft cannot approach and leave fueling locations under their own power and must be towed to and from a refueling location on the south ramp. These facilities are in need of constant maintenance to keep them operational and are in violation of airfield safety criteria being susceptible to damage by aircraft.

IMPACT IF NOT PROVIDED: Without providing the proposed pump house and tanks, the CASS fueling system will be relied on to continue to serve the entire north ramp. The branched arrangement of the hydrant piping will continue to induce operating stresses on the CASS pump house, resulting in higher operational costs and frequent maintenance to prevent system failure. Without redundancy in the existing CASS fueling system, any maintenance activities or system failure renders all fuel pits on the north ramp unusable, necessitating all refueling on the north ramp to occur by truck, increasing manpower efforts and aircraft turn times. Hydrant servicing provides a quicker and more reliable method of moving large volumes of fuel versus using refueling vehicles. Diverting refueling operations to the Type I systems on the south ramp could have additional operational impact as those systems are aged (60 years +) and experience more frequent outages. During outages of the CASS system, fueling on the north ramp will be forced to continue via refueling truck, which is not as safe or reliable as a hydrant system, and increases the possibility of fuel spills and accidents during truck operation.

ADDITIONAL: Providing the proposed pump house and associated storage tanks splits the fueling requirements at the north ramp under normal operation but will allow either the new Type III system or the CASS system to supply the entire loop. This achieves the goal of reducing operating stress on the CASS pump house and results in redundancy and operational flexibility, which cannot be matched by any alternative.

Design will comply with Unified Facilities Criteria Petroleum Fuel Facilities design. Sustainable principles include life cycle cost effective practices will be integrated into design and construction, in accordance with applicable laws and Executive Orders.
This project will meet all applicable DoD criteria to include cyber-security. Mission requirements, operational considerations and location are incompatible with use by other components. This site is not located in a floodplain. This project was included in the prior

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		MARCH 2019

3. Installation and Location	4. Project Title
ELLSWORTH AIR FORCE BASE, SOUTH DAKOTA	HYDRANT FUEL SYSTEM REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	124135	DESC1913	24,800

year's future-years defense program.

12. Supplemental Data:	
A. Estimated Design Data:	
1. Acquisition Strategy	Design Bid Build
2. Design Data	
(a) Design or Request for Proposal (RFP) Started:	JUL/2017
(b) Percent of Design Completed as of Jan 2019:	35%
(c) Design or RFP Complete:	OCT/2019
(d) Total Design Cost ($000):	1,138
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used?	Yes
3. Construction Data:	
(a) Contract Award:	MAR/2020
(b) Construction Start:	MAY/2020
(c) Construction Complete:	OCT/2022

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

PURPOSE	APPROPRIATION	FISCAL YEAR REQUIRED	AMOUNT ($000)
AUTOMATIC TANK GAUGING	DWCF	2021	175

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEFENSE (DLA)		March 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
DEFENSE DISTRIBUTION DEPOT RICHMOND, VA	DEFENSE LOGISTICS AGENCY	0.89

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF YYYMMDD										0
b. END FY										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	98,880.00
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	98,880.00

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
610	OPERATIONS CENTER PH2	281,075 SF	98,800	DEC 2017	JAN 2020

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

DLA Aviation is the aviation supply chain manager for the Defense Logistics Agency. Directorates moving into the Phase 2 Operations Center are part of the overall DLA Richmond mission to support the nation's war fighters by providing quality aviation related items when and where they need them. DLA Aviation serves as the primary source of supply for nearly 1.2 million repair parts and operating supply items world-wide.

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 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		MARCH 2019

3. Installation and Location	4. Project Title
DEFENSE DISTRIBUTION DEPOT RICHMOND, VA	OPERATIONS CENTER PHASE 2

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	61050	DSCR1901	98,800

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES.....	-	-	-	68,080
OPERATIONS BUILDING (CC 61050)	SF	281,075	239.32	(67,266)
INFORMATION SYSTEMS	LS	-	-	(814)
SUPPORTING FACILITIES.....	-	-	-	20,933
SPECIAL COSTS	LS	-	-	(5,535)
DEMOLITION	LS	-	-	(5,442)
SITE CIVIL & MECHANICAL	LS	-	-	(4,642)
SITE PREPARATION & IMPROVEMENTS	LS	-	-	(3,935)
ELECTRICAL AND COMMUNICATIONS	LS	-	-	(1,379)
SUBTOTAL.....	-	-	-	89,013
CONTINGENCY (5%).....	-	-	-	4,451
ESTIMATED CONTRACT COST.....	-	-	-	93,464
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (5.7%)..	-	-	-	5,327
TOTAL	-	-	-	98,791
TOTAL (ROUNDED)	-	-	-	98,800
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)..	-	-	-	(13,927)

10. Description of Proposed Construction:

Construct a multi-story office building to accommodate 1,622 employees in an administrative operations center. The Operations Center includes: open and individual administrative office and support areas (mail distribution, packing, shipping, reception space, reproduction area, unclassified conference and Video Tele-Conference (VTC) space, law library, kitchenette/break, restrooms, storage, equipment and supply rooms); passenger and service elevators, lightning protection, fire suppression, fire alarm, mass notification systems, Intrusion Detection System (IDS) and energy management control system (EMCS), and building information systems.

Special costs include Sustainable Design and Development (SDD) and Energy Policy Act of 2005 (EPAct05) features (LEED Silver), cybersecurity measures (fire life safety, electronic security systems (IDS & CCTV) and utility monitoring systems), building antiterrorism and force protection (ATFP) measures and special foundations.

Supporting facilities include demolition of building 33 (288,819 Total SF), site civil & mechanical work includes all required utility systems and connections, water, sewer, and gas, steam and chilled water distribution, geothermal system, storm drainage and low impact development features.

Site preparation and improvements include clearing & grading, general demolition, paving, walks, curbs and gutters; parking and site circulation, access roads, signage, fencing and gates, exterior ceremonial presentation area, covered walkways and integrated smokers’

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		MARCH 2019

3. Installation and Location	4. Project Title
DEFENSE DISTRIBUTION DEPOT RICHMOND, VA	OPERATIONS CENTER PHASE 2

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	61050	DSCR1901	98,800

structures, site furniture, exterior ATFP measures, and landscaping.

Electrical and communications include site lighting, exterior power and communications ductbanks, cabling & connections, emergency generator, and pad mounted transformer.

Comprehensive building and furnishings related interior design services are provided. Access for individuals with disabilities will be provided.

Anti-terrorism Force Protection (ATFP), cyber-security and sustainable design principles will be incorporated into the design and construction. Cost effective energy conserving features will be incorporated into the design including energy management control systems, high efficiency Heating Ventilation & Air Conditioning (HVAC) systems, and LED lighting. This project is outside of the 100-year floodplain. This project was included in the prior year's future-years defense program.

11. REQUIREMENT: 534,087 SQUARE FOOT (SF) **ADEQUATE:** 252,982 SF **SUBSTANDARD:** 529,582 SF

PROJECT: Replace existing administrative facilities with new operations center for a major subordinate command. (C)

REQUIREMENT: The second phase of this project is required to provide Defense Logistics Agency - Aviation (DLA Aviation) adequate administrative and operational space. Phase 2 will support 1,622 people and represents the total administrative requirement, as agreed upon by the Directorates. This project replaces existing converted World War II warehouse facilities currently being used for administrative space and consolidates an organization now located in dispersed buildings on the installation.

CURRENT SITUATION: One third of DLA Aviation is adequately supported by the recently completed Phase I Operations Center. The remaining two thirds occupies a mix of temporary mobile trailers and existing administrative and storage facilities of which most are warehouses built in 1942. Converted to administrative space, the buildings are highly energy inefficient and do not meet current Anti-terrorism Force Protection, security, access control, or handicap accessibility requirements. Most individual work spaces are standard cubicle furniture configured in quads, but some work spaces remain poorly configured and working out of multiple buildings which hurts operational efficiency. Communication infrastructure is in good condition. Supporting utility and HVAC systems are old and failing. DLA Aviation shares Lott Conference Center with other tenants to meet auditorium/training facility requirements.

IMPACT IF NOT PROVIDED: DLA Aviation will continue to maintain existing failing facilities and purchase additional temporary trailers or lease space as needed. Use of failing facilities reduces productivity, hurts DLA Aviation's ability to hire and retain quality work force, and has high operation and maintenance cost. DLA Aviation will be compelled to operate inefficiently with key staff elements scattered in dispersed, inadequate, or temporary facilities, which are scheduled for disposal. In addition, if this project is not built, costly repairs will be incurred to bring the existing buildings into compliance with current standards for buildings.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		MARCH 2019

3. Installation and Location	4. Project Title
DEFENSE DISTRIBUTION DEPOT RICHMOND, VA	OPERATIONS CENTER PHASE 2

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	61050	DSCR1901	98,800

measures are included. The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. Sustainable principles, to include Life Cycle cost-effective practices, are integrated into the design, development, and construction of the project.

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 Army requirements.

12. Supplemental Data:	
A. Estimated Design Data:	
1. Acquisition Strategy	Design Bid Build
2. Design Data	
(a) Design or Request for Proposal (RFP) Started:	JAN/2017
(b) Percent of Design Completed as of Jan 2019:	35%
(c) Design or RFP Complete:	JAN/2020
(d) Total Design Cost ($000):	8,440
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used?	No
3. Construction Data:	
(a) Contract Award:	JUN/2020
(b) Construction Start:	JUL/2020
(c) Construction Complete:	DEC/2023

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

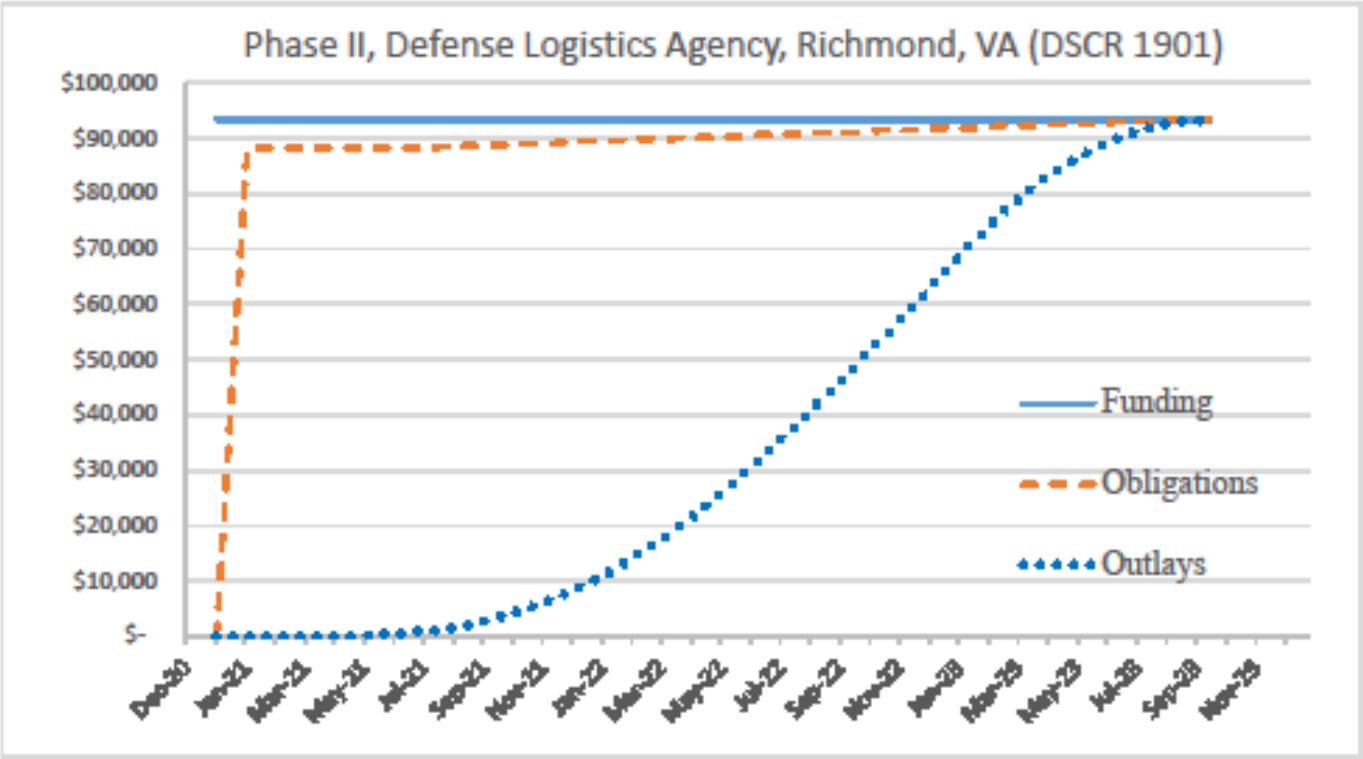
PURPOSE	APPROPRIATION	FISCAL YEAR REQUIRED	AMOUNT ($000)
FURNITURE/PREWIRED WORKSTATIONS	DWCF	FY23	8,800
UPS	DWCF	FY22	1,257
CCTV	DWCF	FY23	167
INTRUSION DETECTION SYSTEM	DWCF	FY22	99
AUDIOVISUAL EQUIPMENT	DLA J-6	FY23	258
TELECOMMUNICATIONS	DLA J-6	FY22	200
STANDBY GENERATORS	DWCF	FY22	3,146

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

PROJECT SPENDING PLAN
PROJECT: Phase II, Defense Logistics Agency, Richmond, VA (DSCR 1901) As of: Feb-19
All costs in thousands ($(XX))

	FUNDING (note 1)		OBLIGATIONS (note 2)		OUTLAYS (note 3)	
Month-Year	Monthly	Cumulative	Monthly	Cumulative	Monthly	Cumulative
Dec-20	$ 93,464	$ 93,464	$ -	$ -	$ -	$ -
Jan-21	$.	$ 93,464	$ -	$ -	$ -	$ -
Feb-21	$.	$ 93,464	$ 88,264	$ 88,264	$ -	$ -
Mar-21	$.	$ 93,464		$ 88,264	$ -	$ -
Apr-21	$.	$ 93,464		$ 88,264	$ -	$ -
May-21	$.	$ 93,464		$ 88,264	$ -	$ -
Jun-21	$.	$ 93,464		$ 88,264	$ 185	$ 185
Jul-21	$.	$ 93,464		$ 88,264	$ 297	$ 482
Aug-21	$.	$ 93,464		$ 88,264	$ 510	$ 992
Sep-21	$.	$ 93,464	$ 400	$ 88,664	$ 722	$ 1,714
Oct-21	$.	$ 93,464		$ 88,664	$ 1,134	$ 2,848
Nov-21	$.	$ 93,464	$ 400	$ 89,064	$ 1,546	$ 4,394
Dec-21	$.	$ 93,464		$ 89,064	$ 1,959	$ 6,353
Jan-22	$.	$ 93,464	$ 400	$ 89,464	$ 2,371	$ 8,724
Feb-22	$.	$ 93,464		$ 89,464	$ 2,783	$ 11,508
Mar-22	$.	$ 93,464	$ 400	$ 89,864	$ 3,196	$ 14,703
Apr-22	$.	$ 93,464		$ 89,864	$ 3,608	$ 18,311
May-22	$.	$ 93,464	$ 400	$ 90,264	$ 4,020	$ 22,332
Jun-22	$.	$ 93,464		$ 90,264	$ 4,433	$ 26,765
Jul-22	$.	$ 93,464	$ 400	$ 90,664	$ 4,845	$ 31,610
Aug-22	$.	$ 93,464		$ 90,664	$ 5,257	$ 36,867
Sep-22	$.	$ 93,464	$ 400	$ 91,064	$ 5,370	$ 42,237
Oct-22	$.	$ 93,464		$ 91,064	$ 5,482	$ 47,719
Nov-22	$.	$ 93,464	$ 400	$ 91,464	$ 5,594	$ 53,313
Dec-22	$.	$ 93,464		$ 91,464	$ 5,707	$ 59,020
Jan-23	$.	$ 93,464	$ 400	$ 91,864	$ 5,819	$ 64,839
Feb-23	$.	$ 93,464		$ 91,864	$ 5,931	$ 70,770
Mar-23	$.	$ 93,464	$ 400	$ 92,264	$ 5,244	$ 76,014
Apr-23	$.	$ 93,464		$ 92,264	$ 4,556	$ 80,570
May-23	$.	$ 93,464	$ 400	$ 92,664	$ 3,868	$ 84,438
Jun-23	$.	$ 93,464		$ 92,664	$ 3,181	$ 87,618
Jul-23	$.	$ 93,464	$ 400	$ 93,064	$ 2,493	$ 90,111
Aug-23	$.	$ 93,464		$ 93,064	$ 1,805	$ 91,917
Sep-23	$.	$ 93,464	$ 400	$ 93,464	$ 1,118	$ 93,034
Oct-23	$.	$ 93,464		$ 93,464	$ 430	$ 93,464

Note 1 : Assumes appropriation is enacted no later than mid-December of the program year. Note 2: Assumes funds are available to the contracting officer for obligation no earlier than February of the program year to accommodate the funding process (e.g. receipt of apportionments/allotments and acquisition timelines.
Note 3: Provide relevant assumptions for project outlays and what it includes.


Phase II, Defense Logistics Agency, Richmond, VA (DSCR 1901)
$100,000
$90,000
$80,000
$70,000
$60,000
$50,000
$40,000
$30,000
$20,000
$10,000
$-
Funding
Obligations
Outlays

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEFENSE (DLA)		March 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
GENERAL MITCHELL IAP, WISCONSIN	DEFENSE LOGISTICS AGENCY	1.08

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF YYYMMDD										0
b. END FY										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	25,900.00
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	25,900.00

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
121	POL FACILITIES REPLACEMENT	3,850 SF	25,900	NOV 2017	SEP 2019

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

General Mitchel Air National Guard hosts the 128th Air Refueling Wing (ARW). The 128th ARW primary mission is air refueling. It supports the Air Force mission of Global Reach and Global Power which enables the United States to effectively conduct strike operations anywhere in the world. When activated to federal service in the United States Air Force the wing is operationally gained by the Air Mobility Command. It provides aerial refueling to all branches of the United States military and to government and allied aircraft.

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 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		MARCH 2019

3. Installation and Location	4. Project Title
GENERAL MITCHELL IAP, WISCONSIN	POL FACILITIES REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	121124	DESC2001	25,900

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES	-	-	-	14,623
PUMP HOUSE AND CONTROL ROOM (CC 121124)	SF	3,850	1,600.8	(6,163)
OPERATING STORAGE, JET FUEL (CC 124135)	GA	420,000	9.23	(3,875)
POL OPS BUILDING AND LAB (CC 121111)	SF	3,250	473.5	(1,539)
LIQUID FUEL TRUCK FILL STAND (CC 126925)	OL	2	619,500	(1,239)
LIQUID FUEL STAND, UNLOADING (CC 126926)	OL	2	556,500	(1,113)
OPERATING STORAGE, MOTOR GAS (CC 124137)	GA	5,000	69.4	(347)
OPERATING STORAGE, DIESEL (CC 124134)	GA	5,000	69.4	(347)
SUPPORTING FACILITIES	-	-	-	8,667
SITE IMPROVEMENTS	LS	-	-	(4,314)
CIVIL SITE WORK	LS	-	-	(2,313)
SITE ELECTRICAL	LS	-	-	(866)
MECHANCIAL WORK	LS	-	-	(796)
DEMOLITION AND SITE PREPARATION	LS	-	-	(378)
SUBTOTAL	-	-	-	23,290
CONTINGENCY (5%)	-	-	-	1,165
ESTIMATED CONTRACT COST	-	-	-	24,455
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (5.7%)	-	-	-	1,394
TOTAL	-	-	-	25,848
TOTAL (ROUNDED)	-	-	-	25,900
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)				(333)

10. Description of Proposed Construction:

Construct a new consolidated fueling facility that includes aboveground fuel storage tanks, pump house with a control room, product recovery tank, POL operations building with a laboratory, refueling vehicle parking, truck loading and unloading points, motor gas storage tank, diesel storage tank, and supporting facilities. The new fuel facility will supply the existing aircraft direct fuel system at the airfield. Anti-terrorism (AT/FP), cyber-security, and sustainable design principles are incorporated into the design and construction.

The new standard Type III pump house will include 600-GPM pumps, 1,200-GPM receipt filter separators, 600-GPM issue filter separators, and all related piping, piping supports, pumps, valves, and appurtenances. The pump house will contain a control room, pump room, mechanical room, storage room, as well as emergency shut-off switches, emergency shower and eyewash, HVAC, fire sprinklers, alarms, bridge crane, pump controls, grounding and lightning protection, communications and data infrastructure, and leak detection systems. Provide an above ground double-wall product recovery tank and all associated piping, pumps, valves, and appurtenances.

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		MARCH 2019

3. Installation and Location	4. Project Title
GENERAL MITCHELL IAP, WISCONSIN	POL FACILITIES REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	121124	DESC2001	25,900

The new fuel storage tanks are 5,000 barrel (420,000 gallon) above ground storage tanks and include all associated piping and equipment, automatic tank gauging, independent alarm system, platforms, railing, stairs, tank foundations and supports.

The POL operations building includes a Type C++ fuels lab, meeting area, training area, offices, locker room, and restrooms. Also included are mechanical and electrical rooms as well as a janitor closet and all necessary HVAC, piping, fire protection, mechanical, electrical, communications and data infrastructure, and other related work.

New fill stands and truck unloading points will be constructed. This work also includes refueler truck load and unload containment areas, hydrant hose truck checkout stand, well as all mechanical equipment, pumps, grounding, spill containment, piping, and supports.

The new 5,000 gallon motor gas storage tank and 5,000 gallon diesel storage tank are above ground double-wall tanks and include all associated piping, pumps, equipment, dispensers, unload system, supports, spill containment, and automated tank gauging.

Site improvements include asphalt and concrete pavement for access drives, roads and parking areas, sidewalks, landscaping, as well as new refueler truck parking. Additionally, the south access road will be paved following the same route as the existing gravel road. Fencing will be installed around the consolidated fuel facility for security, including associated gates. Canopies will be provided for unload and fill stand equipment, refueler parking spaces, and the motor and diesel tank loading and unloading area.

Civil site work includes excavation and earthwork as well as water, gas, and sanitary utility requirements. Stormwater management will also be provided, including containment basins, drainage, and oil water separators.

Site electrical work includes cathodic protection, building lighting, transformers, lightning protection, grounding, communications, emergency fuel shut off systems, and control stations. An emergency generator will be provided. Site area lighting is included.

Mechanical work includes installing new piping between the new pump house, storage tanks, truck unloading positions, fill stands, and all other necessary locations. Piping will include all required supports, valves, and any other necessary appurtenances.

Demolition and site preparation includes removing existing pavement and site clearing and grading.

11. REQUIREMENT: 3,850 SQUARE FOOT (SF) **ADEQUATE:** 0 SF **SUBSTANDARD:** 0 SF

PROJECT: Replace and consolidate an obsolete fuel system with a modern system, including new fill stands, unload points, pump house, operations building, motor gas and diesel storage tanks.

REQUIREMENT: This project is required to provide the 128th Air Refueling Wing (ARW) with an adequately sized, functionally configured, environmentally compliant, and reliable system to refuel its fleet of 10 KC-135 aerial refueling aircraft and supporting vehicles.

CURRENT SITUATION: The POL facility at the 128th ARW is one of the oldest operational systems

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		MARCH 2019

3. Installation and Location	4. Project Title
GENERAL MITCHELL IAP, WISCONSIN	POL FACILITIES REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	121124	DESC2001	25,900

within the Air National Guard and the United States Air Force. It was built in the 1960s and has been modified multiple times. It was reconfigured in the 1980's to include a hydrant fuel system on the aircraft ramp. The current system can pump fuel at an adequate rate to fill aircraft but cannot achieve flushing velocities required to clean the hydrant loop.

Due to the age of the POL facility most mechanical and electrical equipment is well beyond its service life and many repair parts are no longer available. Extended outages are expected while parts are custom made or various systems are modified to utilize new parts. The deteriorated condition of the fuel equipment is expected to worsen and increase the risk of mission failure. Due to modifications over the past 50 years, the electrical distribution system is littered with National Electrical Code (NEC) violations, creating an extremely dangerous work environment for all personnel that have to perform any task in the electrical building 604. Additionally, the POL Operations area in building 606 is severely undersized, where only 971 square feet are used for all POL Operations and Laboratory testing. The facility was not designed to accommodate the current POL staff of 13 men and women simultaneously.

The installation has unresolved environmental concerns. The installation currently has open Notice of Violations (NOVs) from both the State of Wisconsin and U.S. EPA, due to multiple issues with the current POL facility. These NOV's cite multiple capability failures within the POL facility. The concrete secondary containment around the above ground bulk storage tanks was cited by both the State of Wisconsin and EPA because it was settling and heaving, leaving large gaps and cracks. DLA Energy executed repair projects to install containment liners, however these liners did not completely address the citations and they do not meet the State of Wisconsin's liner requirements. Another citation is for the lack of secondary containment around the commercial truck unloading stands, the refueler truck loading stands, and the refueler truck parking area. The refueler truck parking area also lacks the required spacing between trucks and to surrounding buildings. Because of this, the refueler trucks are generally parked empty unless absolutely needed to accomplish the mission.

IMPACT IF NOT PROVIDED: The inability of the hydrant system to reach flushing velocities increases the risk of contaminants entering the refueler aircraft tanks as well as other aircraft as the KC-135's conduct in-flight refueling operations.

The existing POL facility is in poor condition due to its age. Failure of this facility will jeopardize the ability to support Strategic USSTRATCOM, USNORTHCOM, and USTRANSCOM missions currently performed by the 128th ARW from home station. Given that the Wing has open NOVs from 2010 for problems that have been known for over 15 years, there exists a non-trivial possibility that the EPA will impose fines or order the 128th ARW to stop operating the POL facility. These potential actions could be further accelerated in the event of a major spill or a catastrophic release. As system components continue to age, the probability of failure will increase exponentially. This coupled with replacement parts being unavailable creates a high potential that the system would have to be reconfigured to accept new equipment.

When a part of the hydrant system fails, reliance on R-11 refueling trucks increases, and because the trucks will need to be refilled before going to other aircraft, operations will be hampered by delays in refueling. These delays will affect sortie turnaround times and may result in unacceptable response times and jeopardize the base's ability to perform its assigned missions.

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		MARCH 2019

3. Installation and Location	4. Project Title
GENERAL MITCHELL IAP, WISCONSIN	POL FACILITIES REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	121124	DESC2001	25,900

ADDITIONAL: This project meets all applicable DoD criteria including cyber-security requirements. The project site is not in a 100-year floodplain. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. An economic analysis has been prepared and utilized in evaluating this project. This project is the most cost-effective method to satisfy the requirement. This project was included in the prior year's future-years defense program.

12. Supplemental Data:	
A. Estimated Design Data:	
7. Acquisition Strategy:	Design Bid Build
8. Design Data	
(a) Design or Request for Proposal (RFP) Started:	NOV/2017
(b) Percent of Design Completed as of Jan 2019:	35%
(c) Design or RFP Complete:	SEP/2019
(d) Total Design Cost ($000):	947
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Standard or definitive design used?	Yes
9. Construction Data:	
(a) Contract Award:	FEB/2020
(b) Construction Start:	MAR/2020
(c) Construction Complete:	MAR/2022

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

PURPOSE	APPROPRIATION	FISCAL YEAR REQUIRED	AMOUNT ($000)
AUTOMATIC TANK GAUGING	DWCF	2020	333

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEFENSE (DLA)		March 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
JOINT REGION MARIANAS, GUAM	DEFENSE LOGISTICS AGENCY	2.57

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF YYYMMDD										0
b. END FY										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	19,200.00
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	19,200.00

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
125	XRAY WHARF REFUEL FACILITIES	2,800 M	19,200	NOV 2017	SEP 2019

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

Naval Base Guam provides supply and support services to Joint Operational Units, Fleet units and shore activities and includes the operation of the POL storage and fuel distribution system. The mission of Naval Base Guam is to provide fuel support Joint Combat Logistics Forces and the strategic enroute air/sealift bridge in and passing through the operating area. The X-Ray Wharf refueling facility facilitates refueling operations of the cargo and military ships and significantly improve the U.S. Navy and Military Sealift Command (MSC) sustainability in Guam.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

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

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		MARCH 2019

3. Installation and Location	4. Project Title
JOINT REGION MARIANAS, GUAM	XRAY WHARF REFUEL FACILITIES

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	12510	DESC1908	19,200

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES.....	-	-	-	6,679
POL PIPELINE (9,186 LF)(CC 12510)	M	2,800	2,385.32	(6,679)
SUPPORTING FACILITIES.....	-	-	-	10,467
MECHANICAL UTILITIES	LS	-	-	(3,555)
MUNITIONS INVESTIGATION	LS	-	-	(3,448)
SPECIAL COSTS	LS	-	-	(2,579)
ELECTRICAL UTILITIES	LS	-	-	(627)
SITE IMPROVEMENTS	LS	-	-	(258)
SUBTOTAL.....	-	-	-	17,146
CONTINGENCY (5%).....	-	-	-	857
ESTIMATED CONTRACT COST.....	-	-	-	18,004
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (6.5%)..	-	-	-	1,116
TOTAL	-	-	-	19,120
TOTAL (ROUNDED)	-	-	-	19,200
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)..	-	-	-	0

10. Description of Proposed Construction:

Install a fuel supply pipeline for Marine Diesel Fuel from an existing transfer pipeline to X-Ray Wharf located at the Naval Base. The new transfer pipe routing will include several road crossings and an elevated river crossing. New work will include replacement of existing valve pits with new valve vaults, and associated piping, fittings, accessories, and grating necessary to allow performance of routine operations without confined space permits. Provide new piping, risers and valve vaults to facilitate connection to docked vessels at Berths. Piping includes all vaults, valves, fittings and connections, end-of-line vault for pipe cleaning equipment (pig launch). All piping and equipment within each valve vault will be welded carbon steel, externally protected by coating system.

Mechanical utilities include valve vault sump pumps, piping at sump locations, test fittings to accommodate leak detection testing system, buffer tanks for storm water treatment, oil-water separator, and related work. Electrical work includes controls and grounding at riser locations and for piping leak detection system, cathodic protection and related items. Site improvements include pavement demolition, utility relocations, concrete pads, grading, seeding and fencing and related work.

Munitions investigation include explosive clearance requirements. Special costs include Post Construction Award Services (PCAS), gross receipts tax, geospatial survey and mapping, cybersecurity commissioning, and an allowance for coordination with the Government of Guam for rehabilitation of Marine Corps Drive, Operations and Maintenance Support Information

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		MARCH 2019

3. Installation and Location	4. Project Title
JOINT REGION MARIANAS, GUAM	XRAY WHARF REFUEL FACILITIES

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	12510	DESC1908	19,200

(OMSI), and archeological monitoring.

11. REQUIREMENT: 2,800 METERS (M) **ADEQUATE:** 0 M **SUBSTANDARD:** 0 M

PROJECT: Construct a refueling facility to support refueling activities (C)

REQUIREMENT: This project will provide essential increased operational capability, flexibility, and benefits to Naval Base Guam and the Pacific Fleet. Redundancy in refueling capabilities is necessary for logistical ship support. This project provides an alternative fuel supply source to the fuel facility.

CURRENT SITUATION: Naval Base Guam is a source supply for Naval and MSC vessels in the operating area. The present refueling facilities are insufficient to provide adequate fueling services for maritime pre-positioned ships and naval vessels. Inefficient fueling activities at existing wharves often result in a backup of cargo ships and double docking as cargo ships await their turn to refuel. In addition, barges augment operations by delivering fuel from the existing piers to vessels in the harbor. The Base lacks a contingency wharf for fueling operations in the event of wharf closure due to damage or repairs. The existing Delta pier recently sustained damage during a ship collision in December 2018.

IMPACT IF NOT PROVIDED: Mission performance will continue to be seriously impaired and a petroleum logistics shortfall will continue to exist. Barging operations will continue and transfer of fuel from piers to barge to ship will increasingly risk fuel/oil spills that may cause serious environmental damage to the harbor and the marine habitat. Environmental cleanup of spills will adversely affect ships transiting into and out of the harbor. Mission performance will be in jeopardy in the event of wharf closure and without the added fueling capability the XRay wharf will provide.

ADDITIONAL: This project meets all applicable DoD criteria. The Regional Commander certifies this facility was considered for joint use. Joint use is recommended. This project was included in the prior year's future-years defense program.

12. Supplemental Data:	
A. Estimated Design Data:	
1. Acquisition Strategy	Design Bid Build
2. Design Data	
(a) Design or Request for Proposal (RFP) Started:	NOV/2017
(b) Percent of Design Completed as of Jan 2019:	35%
(c) Design or RFP Complete:	SEP/2019
(d) Total Design Cost ($000):	805
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used?	No
3. Construction Data:	
(a) Contract Award:	MAR/2020
(b) Construction Start:	MAY/2020
(c) Construction Complete:	APR/2021

B. Equipment associated with this project that will be provided from other appropriations: NONE

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEFENSE (DLA)		March 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
YOKOTA AIR BASE, JAPAN	DEFENSE LOGISTICS AGENCY	1.98

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF YYYMMDD										0
b. END FY										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	116,305.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	80,000.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	196,305.00

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
411	BULK STORAGE TANKS, PH 1	200,000 BL	116,305	DEC 2017	JUL 2019

9. FUTURE PROJECTS

411	BULK STORAGE TANKS, PH 2	200,000 BL	80,000	DEC 2019	OCT 2021

10. MISSION OR MAJOR FUNCTIONS

Yokota Air Base, Japan is located approximately 20 miles west of Tokyo, Japan. The host unit is the 374th Airlift Wing which is assigned to the Fifth Air Force (5 AF) of the United States Air Force Pacific Air Forces (PACAF). The 374th Operations Group contains the 36th Airlift Squadron (36 AS) and 459th Airlift Squadron (459 AS). Aircraft included in each of these squadrons are the C-130 Hercules, UH-1N Iroquois, and C-12J Hurons. Due to its strategic location and long runway, the Air Base routinely services KC-135 Stratotankers, C-5 Galaxies, KC-10 Extenders, and various other aircraft. The 459th and 36th Airlift Squadrons perform multifaceted missions that include passenger transport, aeromedical evacuation, search and rescue, humanitarian relief, and service and support via airlift and airdrop operations.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

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

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		MARCH 2019

3. Installation and Location	4. Project Title
YOKOTA AIR BASE, JAPAN	BULK STORAGE TANKS PHASE 1

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	411320	DESC2103	116,305

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES	-	-	-	89,418
BULK STORAGE TANK (CC 411320))	BL	100,000	501.6	(50,160)
FILTER/SEPARATOR BUILDING (CC 121124)	SM	418	68,763	(28,743)
TRUCK FILL STAND (CC126925)	OL	2	2,571,186	(5,142)
ADDITIVE INJECTION SYSTEM (124139)	GA	30,550	175.86	(5,373)
SUPPORTING FACILITIES	-	-	-	14,588
SITE ELECTRICAL UTILITIES	LS	-	-	(9,593)
CIVIL AND MECHANICAL UTILITIES	LS	-	-	(3,205)
SITE PREPARATION AND IMPROVEMENTS	LS	-	-	(1,109)
SPECIAL COSTS	LS	-	-	(681)
SUBTOTAL	-	-	-	104,006
CONTINGENCY (5%)	-	-	-	5,200
ESTIMATED CONTRACT COST	-	-	-	109,206
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (6.5%)	-	-	-	7,098
TOTAL	-	-	-	116,305
TOTAL (ROUNDED)	-	-	-	116,305
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)	-	-	-	(225)
CURRENCY EXCHANGE RATE: ¥ 111.5938/dollar				

10. **Description of Proposed Construction:**

EASTSIDE FUEL FACILTY: Construct a 100,000 barrel cut-and-cover JP-8 fuel storage tank, filter building, two-bay truck fill-stand. The new bulk tank contains a pump house with 600-gpm issue vertical turbine pumps and a 50-gpm water draw off vertical turbine pump. The tank includes a high-level valve, independent level alarms, and hardware necessary for the installation of automatic tank gauging (ATG) systems. The tank includes piping, valves, vaults and appurtenances from tanks to filter separator building.

The Filter Building control room will contain new pump control Programmable Logic Controller (PLC) and Human Machine Interface (HMI), automatic tank gauge (ATG) reporting module capable of reporting inputs from all Eastside Fuel Facility tanks. Provide a product saver tank for each bulk tank. The filter building contains 600-gpm issue filter separators, 2400-gpm micronic filters, and 1200-gpm receipt filter separators and backups as needed. Crossover piping between the new and existing filter buildings will provide issue capability from any tank to any truck fill stand location. The new filter building and pump house include fire alarms and transmitters compatible with base’s systems, control panel and automatic detection system, and manual pull stations. The filter building includes a plumbing system, control

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		MARCH 2019

3. Installation and Location	4. Project Title
YOKOTA AIR BASE, JAPAN	BULK STORAGE TANKS PHASE 1

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	411320	DESC2103	116,305

room HVAC, filter room mechanical ventilation, and emergency eyewash/shower.

Expand the existing truck fill stand to add two vehicle bays with metal roof canopy and structural steel framing on a concrete pad. Each fill stand will be capable of loading a R-11 refueler at a rate of 600-gpm. Provide a double wall, underground product recovery tank near the filter building with a recovery pump to return reclaimed fuel back through receipt filtration to bulk storage. The tank will have an ATG system, level alarms, overfill prevention, interstitial monitoring, and a local horn with acknowledgement and visible alarm at a manned location in the filter building and all necessary electrical work including lighting, power, and controls.

ADDITIVE INJECTION SYSTEM FACILITY: Modify Building 4091 at the rail receipt yard to install a new fuel additive injection systems and associated infrastructure within the pump room. Construct a canopy and concrete slab to house the Static Dissipater Additive (SDA) and Corrosion Inhibitor/Lubricity Improver (CI/LI) operational mix tanks, additive storage and a rolled curb delivery vehicle area for truck off-load and spill containment. The additive injector system will mechanically inject Fuel System Icing Inhibitor (FSII), SDA and Cl/LI to convert Jet A-1 to military spec JP-8. Provide appropriately sized and separate tanks for SDA and CI/LI, to mix (dilute) each with jet fuel prior to injection. FSII is injected without any dilution. Install the injectors and a bypass line in Building 4091 connecting to the existing offload pump discharge to allow the fuel to be additized from the rail receipt or truck offload. Provide stainless steel piping from the additive tanks to the injectors to accommodate the direct receipt of JP-8 from the truck or rail offload. Electrical work for the additive injection system facility includes power, lighting, controls, and Supervisory Control and Data Acquisition (SCADA).

SUPPORTING FACILITIES: Electrical utility improvements include transformers, switchgear, relocation of primary electrical and outside plant telecommunications, secondary power distribution, motor control centers, SCADA, telecommunications, area lighting, grounding, lightning protection, standby generator, controls, duct banks and related work.

Site preparation and improvements include demolition and removal of abandoned fuel pipelines and vaults within the tank footprint, site clearing and grubbing, earthwork, access roads, paving, fencing and gates, utility relocations, and landscaping and restoration of existing soil berms. Construction of the cut-and-cover tanks requires significant excavation. Civil and Mechanical utilities include new water and fire hydrants, water lateral connection and a septic system for the filter building, a new pipeline from Building 4091 to Valve Pit B-1 (VPB-1). Rebuild VPB-1 to accommodate additional valves and piping. Install connection points for inline inspection tools (pigs) at VPB-1, Building 4091 and Eastside Fuel Facility. Special Costs include cyber-security measures.

11. REQUIREMENT: 850,000 BARRELS (BL) **ADEQUATE:** 450,000 BL **SUBSTANDARD:** 0 BL

PROJECT: Construct cut-and-cover JP-8 bulk storage tanks, filter/separator building, additive injection system, truck fill stand and a train offload transmission main. This phase I project provides 25 percent of the total storage requirement of 4-100k barrel tanks. (C)

REQUIREMENT: Additional fuel storage to extend Pacific region airlift operations, the capability to receive commercial Jet A-1 to comply with new DLA Energy fuel acquisition strategy, and direct fuel transfer capability between the Eastside Fuel and train offload

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		MARCH 2019

3. Installation and Location	4. Project Title
YOKOTA AIR BASE, JAPAN	BULK STORAGE TANKS PHASE 1

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	411320	DESC2103	116,305

facilities.

CURRENT SITUATION: Yokota Air Base does not have sufficient on-site fuel storage capacity to support extended operational needs required by United States Forces Japan (USFJ). The Yokota fuel supply is supported by off-site fuel storage at Defense Fuel Supply Point (DFSP) Tsurumi. Primary fuel receipt is by rail car and then pumped to the Main Base filter receipt building before transfer into storage. The truck offload positions at the Main Base POL serves as a secondary receipt mode. Fuel is stored at the Eastside Fueling Facility and at the Main Base. The Eastside Fueling Facility has two 100,000-bbl tanks and the Main Base POL Facility has two 100,000-bbl and one 50,000-bbl JP-8 bulk storage tanks. The standard operation is to receive JP-8 into three bulk storage tanks at the Main Base POL facility and then to the Eastside Fueling Facility storage tanks that supplies fuel to the hydrant system tanks. Fuel transfers between the three facilities keeps the fuel circulated and prevents inventory stagnation. Yokota Air Base does not have the ability to accept commercially available Jet A-1 fuel nor the ability to store or inject additives in fuel.

IMPACT IF NOT PROVIDED: The Air Base will be less effective and unable to fully support airlift operations during contingency or humanitarian campaigns. The base will be non-compliant with DLA fuel acquisition strategy without the capability to receive and convert the more commonly available Jet A-1 to JP-8 military specifications.

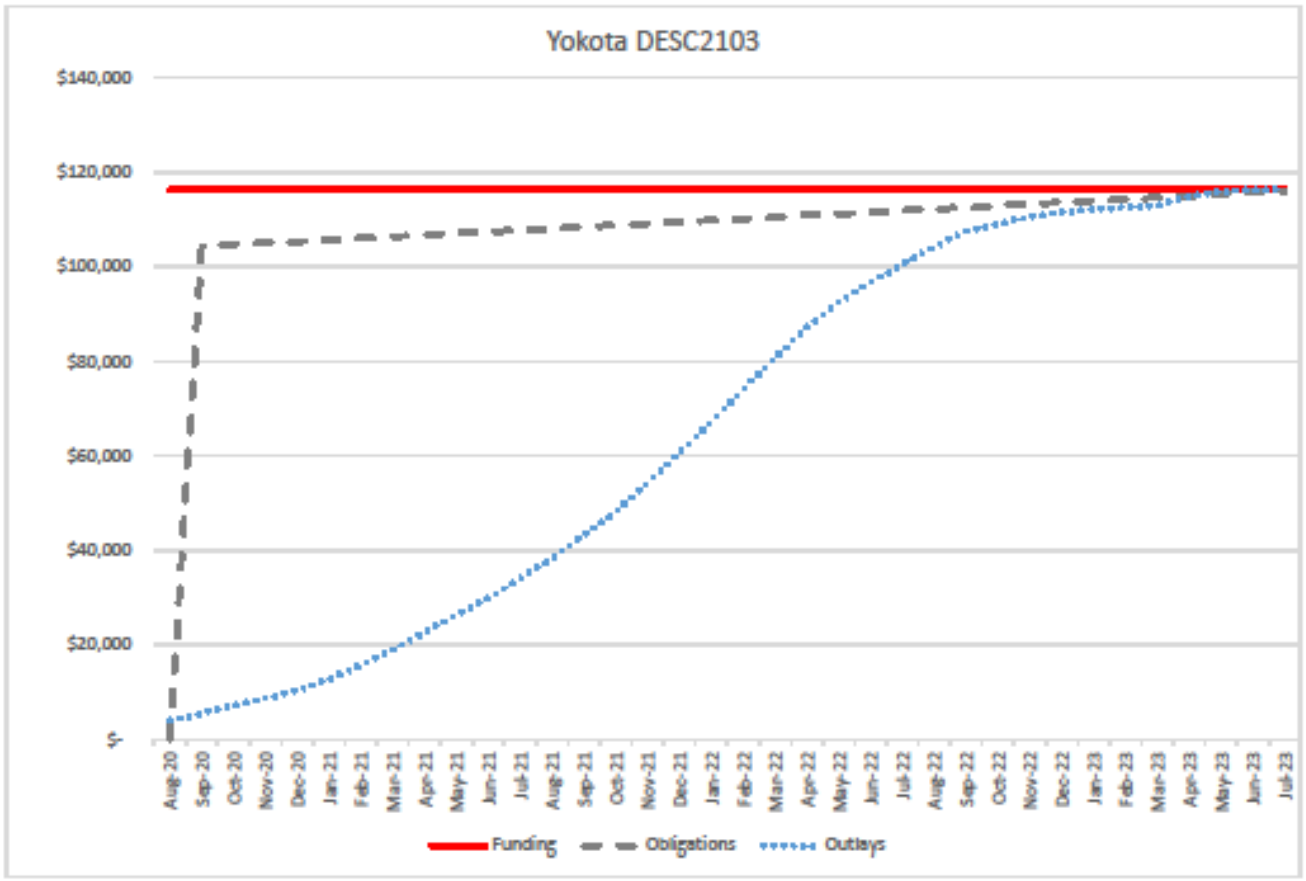
ADDITIONAL: Sustainable engineering principles will be integrated into the design, development, and construction of the project. This facility can be used by other components on an “as available” basis however the project scope is based on Air Force requirements. This project was included in the prior year’s future-years defense program.

12. Supplemental Data:	
A. Estimated Design Data:	
1. Acquisition Strategy	Design Bid Build
2. Design Data	
(a) Design or Request for Proposal (RFP) Started:	DEC/2017
(b) Percent of Design Completed as of Jan 2019:	35%
(c) Design or RFP Complete:	JAN/2020
(d) Total Design Cost ($000):	8,000
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used?	No
3. Construction Data:	
(a) Contract Award:	SEP/2020
(b) Construction Start:	DEC/2020
(c) Construction Complete:	DEC/2024

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

PURPOSE	APPROPRIATION	FISCAL YEAR REQUIRED	AMOUNT ($000)
AUTOMATED TANK GAUGING	DWCF	FY22	225

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


Yokota DESC2103
$140,000
$120,000
$100,000
$80,000
$60,000
$40,000
$20,000
$-
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Nov-21
Dec-21
Jan-22
Feb-22
Mar-22
Apr-22
May-22
Jun-22
Jul-22
Aug-22
Sep-22
Oct-22
Nov-22
Dec-22
Jan-23
Feb-23
Mar-23
Apr-23
May-23
Jun-23
Jul-23
Funding
Obligations
Outlays

PROJECT SPENDING PLAN
PROJECT: Yokota Air Base, Japan (DESC2103)
As of: Jan-19
All costs in thousands ($(XX))

	FUNDING (note 1)		OBLIGATIONS (note 2)		OUTLAYS (note 3)	
Month-Year	Monthly	Cumulative	Monthly	Cumulative	Monthly	Cumulative
Aug-20	$ 116,305	$ 116,305	$ -	$ -	$ -	$ 4,024
Sep-20		$ 116,305	$ 104,265	$ 104,265	$ 1,545	$ 5,569
Oct-20		$ 116,305	$ 344	$ 104,609	$ 1,590	$ 7,158
Nov-20		$ 116,305	$ 344	$ 104,953	$ 1,623	$ 8,781
Dec-20		$ 116,305	$ 344	$ 105,297	$ 1,632	$ 10,413
Jan-21		$ 116,305	$ 344	$ 105,641	$ 2,346	$ 12,759
Feb-21		$ 116,305	$ 344	$ 105,985	$ 2,993	$ 15,752
Mar-21		$ 116,305	$ 344	$ 106,329	$ 3,230	$ 18,982
Apr-21		$ 116,305	$ 344	$ 106,673	$ 3,813	$ 22,795
May-21		$ 116,305	$ 344	$ 107,017	$ 3,538	$ 26,333
Jun-21		$ 116,305	$ 344	$ 107,361	$ 3,569	$ 29,902
Jul-21		$ 116,305	$ 344	$ 107,705	$ 4,098	$ 34,000
Aug-21		$ 116,305	$ 344	$ 108,049	$ 4,376	$ 38,376
Sep-21		$ 116,305	$ 344	$ 108,393	$ 4,873	$ 43,249
Oct-21		$ 116,305	$ 344	$ 108,737	$ 4,976	$ 48,225
Nov-21		$ 116,305	$ 344	$ 109,081	$ 6,057	$ 54,282
Dec-21		$ 116,305	$ 344	$ 109,425	$ 6,324	$ 60,606
Jan-22		$ 116,305	$ 344	$ 109,769	$ 6,564	$ 67,170
Feb-22		$ 116,305	$ 344	$ 110,113	$ 6,878	$ 74,048
Mar-22		$ 116,305	$ 344	$ 110,457	$ 6,644	$ 80,692
Apr-22		$ 116,305	$ 344	$ 110,801	$ 6,587	$ 87,279
May-22		$ 116,305	$ 344	$ 111,145	$ 5,216	$ 92,495
Jun-22		$ 116,305	$ 344	$ 111,489	$ 4,210	$ 96,705
Jul-22		$ 116,305	$ 344	$ 111,833	$ 3,827	$ 100,532
Aug-22		$ 116,305	$ 344	$ 112,177	$ 3,620	$ 104,152
Sep-22		$ 116,305	$ 344	$ 112,521	$ 3,398	$ 107,550
Oct-22		$ 116,305	$ 344	$ 112,865	$ 1,429	$ 108,979
Nov-22		$ 116,305	$ 344	$ 113,209	$ 1,588	$ 110,567
Dec-22		$ 116,305	$ 344	$ 113,553	$ 981	$ 111,548
Jan-23		$ 116,305	$ 344	$ 113,897	$ 524	$ 112,072
Feb-23		$ 116,305	$ 344	$ 114,241	$ 454	$ 112,526
Mar-23		$ 116,305	$ 344	$ 114,585	$ 442	$ 112,968
Apr-23		$ 116,305	$ 344	$ 114,929	$ 2,034	$ 115,002
May-23		$ 116,305	$ 344	$ 115,273	$ 918	$ 115,920
Jun-23		$ 116,305	$ 344	$ 115,617	$ 385	$ 116,305
Jul-23		$ 116,305	$ 344	$ 115,961	$ -	$ 116,305
Aug-23		$ 116,305	$ 344	$ 116,305	$ -	$ 116,305

Note 1 : Assumes funds are available for obligation no later than 1 Aug 2020 and NTP issued in Sep 2020. (Aug FY20 award projection lock in scheudle being reviewed)
Note 2: Project fully funded in a FY20 budget request. Phase 1 FY20 :$116.3M
Note 3: Project fully funded in a FY20 budget request. Phase 1 FY20 :$116.3M
Note 4: Reserve for termination costs includes 6 months look ahead for placement value $ -

DOD Education Activity
FY 2020 Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
Japan				
Yokosuka				
Kinnick High School Increment 2	-	130,386	C	72
Yokota Air Base				
Pacific East District Superintendent's Office	20,106	20,106	C	79
Total	**20,106**	**150,492**		

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEF (DoDEA)		March 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
COMMANDER FLEET ACTIVITIES (CFA), YOKOSUKA, JAPAN	DoDEA	2.12

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20170930						611				611
b. END FY 2022						673				673

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	0.00
b. INVENTORY TOTAL AS OF YYYMMDD	0.00
c. AUTHORIZATION NOT YET IN INVENTORY	170,386.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	0.00
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	170,386.00

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
73061	Kinnick High School	166,100 SF	130,386	Apr 2016	Jan 2019

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 DoDEA	**FY 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. Date March 2019

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
COMMANDER FLEET ACTIVITIES (CFA), YOKOSUKA, JAPAN	KINNICK HIGH SCHOOL, INCREMENT 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	73061	PA00109	130,386

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				**109,056**
KINNICK HIGH SCHOOL (73061)	SF	163,000	627.50	102,282
FIELD HOUSE (73061)	SF	3,100	370.00	1,147
SDD AND FEDERAL ENERGY ACTS COMPLIANCE	LS			1,307
ANTITERRORISM (AT/FP) MEASURES	LS			3,502
CYBERSECURITY MEASURES	LS			818
SUPPORTING FACILITIES				**43,009**
SPECIAL FOUNDATION FEATURES	LS			7,293
ELECTRICAL/GAS UTILITIES	LS			7,842
COMMUNICATION UTILITIES	LS			1,596
WATER/SEWER UTILITIES	LS			5,377
SITE PREPARATION	LS			4,110
SITE IMPROVEMENTS	LS			14,586
AT/FP	LS			509
DEMOLITION	LS			738
ENVIRONMENTAL MITIGATION	LS			958
ESTIMATED CONTRACT COST				**152,065**
CONTINGENCY PERCENT (5%)				7,603
SUBTOTAL				**159,668**
SUPERVISION, INSPECTION & OVERHEAD (6.5%)				10,378
ENGINEERING DURING CONSTRUCTION				340
TOTAL REQUEST				**170,386**
PREVIOUS APPROPRIATIONS				40,000
CURRENT APPROPRIATION REQUEST				**130,386**
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				**4,668**

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

This is the second increment of the Kinnick High School replacement. The project will construct a four story high school with functional areas containing neighborhood instructional spaces, special education spaces, staff collaboration spaces, commons area, performance space, information center, physical education, art room, music room, science labs, career technical education labs, junior reserved officer's training corps, administration suite, health suite, guidance counseling suite, special education suite, food service, janitorial workroom, maintenance support, school supply/storage area, technology service center, and other required areas for a fully functioning high school. Typical construction is anticipated to consist of concrete beam and pile foundation, concrete and structural steel frame, and concrete exterior walls. Interior construction will consist of gypsum wallboard partitions, operable/movable partition walls, and reinforced concrete walls.

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. Low Impact Development will be included in the design and construction of this project as appropriate.

1. COMPONENT DoDEA	**FY 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. Date March 2019

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
COMMANDER FLEET ACTIVITIES (CFA), YOKOSUKA, JAPAN	KINNICK HIGH SCHOOL, INCREMENT 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	73061	PA00109	130,386

This project will provide Anti-Terrorism/Force Protection (AT/FP) features, including design for progressive collapse and blast-rated windows and doors, and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings and any Theater-specific requirements.

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

The project site is on reclaimed land with dredged fill and the project will require deep concrete pile foundations as a special foundation feature due to the un-compacted or non-uniform nature of the underlying soils

The project includes related infrastructure such as water, sewer, steam, electrical, telephone, local area network, community access television systems, provisions for interior and campus wireless access. The project includes site preparation that includes non-building demolition and site improvements such as signage, fencing, paving, landscaping, covered walkways, canopies, exterior lighting, storm water, external AT/FP, pedestrian crosswalks, outdoor play areas, and athletic fields.

Demolition includes approximately 45,000 SF of existing facilities.

The project will require environmental mitigation for all buildings to be demolished, including asbestos removal. U.S. Federal and Japanese Environmental Laws and Regulations will be followed. Part of the site is on reclaimed land area with Tokyo Bay dredge fill material known as Briggs Bay. Soil contamination levels were determined to be acceptable with the implementation of risk management procedures during construction. Environmental mitigation will be required during construction to monitor, contain and remediate the soils.

Facilities will be designed in accordance with DoDEA Education Facilities Specifications, Unified Facilities Criteria, Japan Environmental Governing Standards, Standards of Seismic Safety for Federally Owned Buildings, and energy and water conservation standards.

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: 166,100 SF ADQT: 0 SF SUBSTD: 20,000 SF

PROJECT:

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

REQUIREMENT:

The high school is required to provide adequate academic facilities for 673 students in grades 9 through 12.

School population based on the projected enrollment for 2022/2023 school year.

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

CURRENT SITUATION:

The current high school was originally constructed in 1989. A temporary building was built in 1996 to provide 12 additional classrooms. The school has a poor facility condition rating; it is more economical to replace than to repair.

1. COMPONENT DoDEA	**FY 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. Date March 2019

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
COMMANDER FLEET ACTIVITIES (CFA), YOKOSUKA, JAPAN	KINNICK HIGH SCHOOL, INCREMENT 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	73061	PA00109	130,386

The following systems are expired or are failing and in need of replacement; fire alarm and suppression, electrical power and telecommunication, heating ventilation and air-conditioning, steam heating, plumbing piping, toilet fixtures, wall finishes, floor finishes, door hardware, and windows. The facility does not meet the DoDEA Education Facilities Specifications to include a bus drop off and pick up area, a parent drop off and pick up area, and adequate parking due to a tight site that does not provide room for expansion. The school lacks outdoor athletic facilities and currently utilizes the installation facilities when available. The facility does not meet current Antiterrorism measures, accessibility requirements, fire protection codes, and current federal energy and sustainability mandates. Additionally, the existing school campus is in the middle of the Yokosuka Naval Base community support area and is not in accordance with the Yokosuka Naval Base Master Plan.

IMPACT IF NOT PROVIDED:

The substandard environment will continue to hamper the educational process and the high school will not be able to support the DoDEA curriculum and provide for a safe facility. The required maintenance and repair of expired and failing systems will continue to strain maintenance capabilities and budgets.

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 2016
(b) Percent of Design Completed as of January 2019:	100%
(c) Design or RFP Complete:	JAN 2019
(d) Total Design Cost:	10,966
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used:	No
(3) Construction Data:	
(a) Contract Award:	SEP 2019
(b) Construction Start:	OCT 2019
(c) Construction Complete:	OCT 2022

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Furnishings	O&M	2022	774
Kitchen	O&M	2022	505
IT	O&M	2022	1,461
Education Supplies	O&M	2022	1,841
Safety Equipment	O&M	2022	10
Security Equipment	O&M	2022	77

1. COMPONENT DoDEA	**FY 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. Date March 2019

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
COMMANDER FLEET ACTIVITIES (CFA), YOKOSUKA, JAPAN	KINNICK HIGH SCHOOL, INCREMENT 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	73061	PA00109	130,386

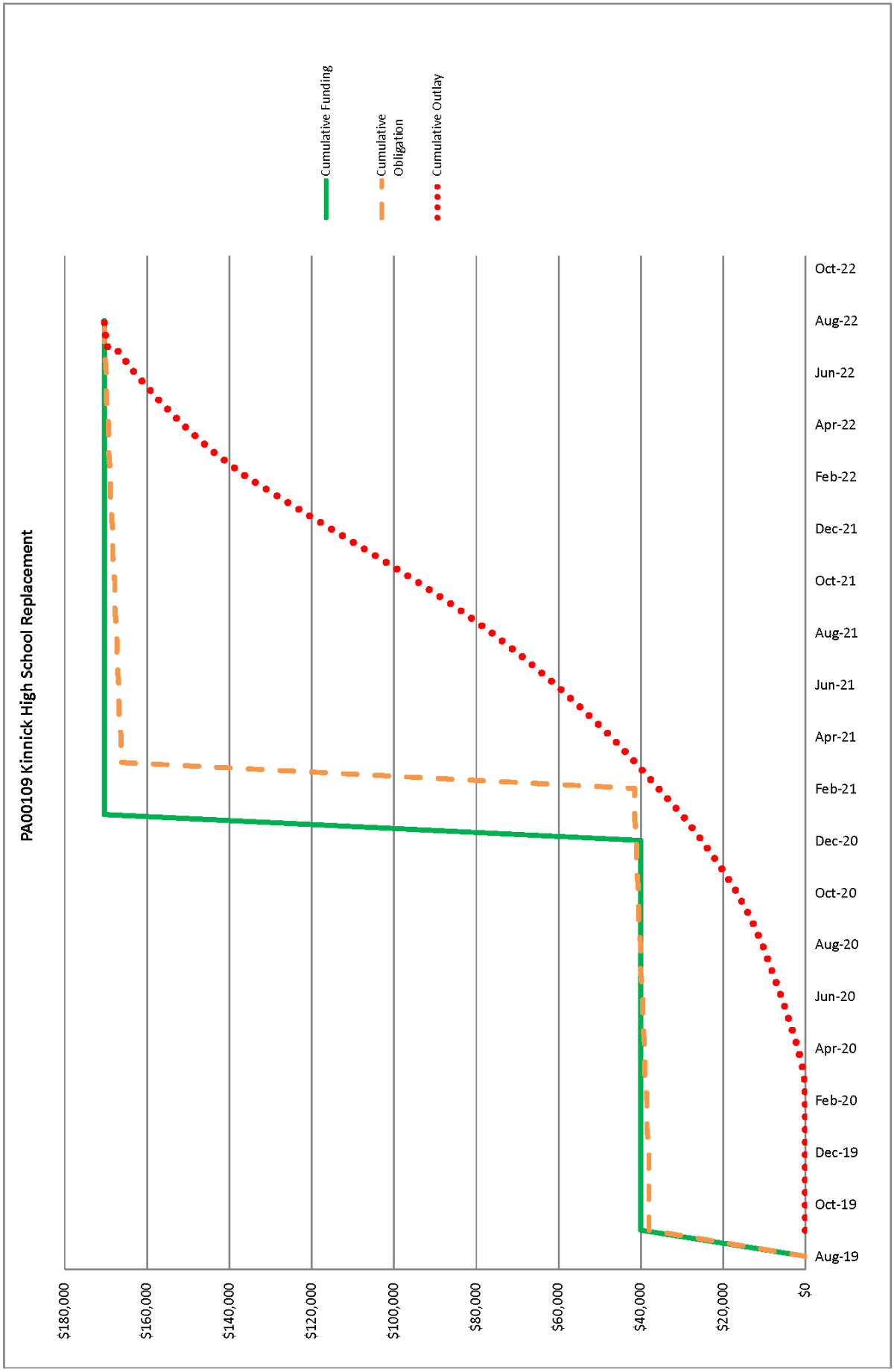
C. Funding Profile:

Authorizations	
FY 2019	170,386
Appropriations	
FY 2019	40,000
FY 2020	130,386
	170,386

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.

DoDEA POC (571) 372-1405


PA00109 Kinnick High School Replacement
Cumulative Funding
Cumulative Obligation
Cumulative Outlay
$180,000
$160,000
$140,000
$120,000
$100,000
$80,000
$60,000
$40,000
$20,000
$0
Oct-22
Aug-22
Jun-22
Apr-22
Feb-22
Dec-21
Oct-21
Aug-21
Jun-21
Apr-21
Feb-21
Dec-20
Oct-20
Aug-20
Jun-20
Apr-20
Feb-20
Dec-19
Oct-19
Aug-19

Project Spending Plan
Project: PA00109 Kinnick High School Replacement
As Of: 12/29/2018
All costs in thousands ($000)

	Funding		Obligations		Outlays		
Month/Year	Monthly	Cumulative	Monthly	Cumulative	Monthly	Cumulative	
Aug-19	$0	$0	$0	$0			
Sep-19	$40,000	$40,000	$38,000	$38,000	$0	$0	0
Oct-19		$40,000		$38,000	$0	$0	1
Nov-19		$40,000		$38,000	$0	$0	2
Dec-19		$40,000		$38,000	$0	$0	3
Jan-20		$40,000	$506	$38,506	$0	$0	4
Feb-20		$40,000		$38,506	$0	$0	5
Mar-20		$40,000	$506	$39,012	$363	$363	6
Apr-20		$40,000		$39,012	$1,432	$1,795	7
May-20		$40,000	$506	$39,518	$1,994	$3,789	8
Jun-20		$40,000		$39,518	$2,106	$5,895	9
Jul-20		$40,000	$506	$40,024	$2,263	$8,158	10
Aug-20		$40,000		$40,024	$2,329	$10,487	11
Sep-20		$40,000	$506	$40,530	$2,741	$13,228	12
Oct-20		$40,000		$40,530	$3,459	$16,687	13
Nov-20		$40,000	$506	$41,036	$3,998	$20,685	14
Dec-20		$40,000		$41,036	$4,498	$25,183	15
Jan-21	$130,386	$170,386	$506	$41,542	$4,890	$30,072	16
Feb-21		$170,386		$41,542	$5,651	$35,723	17
Mar-21		$170,386	$124,795	$166,337	$5,595	$41,318	18
Apr-21		$170,386		$166,337	$5,946	$47,264	19
May-21		$170,386	$506	$166,844	$6,543	$53,808	20
Jun-21		$170,386		$166,844	$6,910	$60,718	21
Jul-21		$170,386	$506	$167,350	$7,532	$68,250	22
Aug-21		$170,386		$167,350	$8,051	$76,300	23
Sep-21		$170,386	$506	$167,856	$8,816	$85,117	24
Oct-21		$170,386		$167,856	$9,617	$94,734	25
Nov-21		$170,386	$506	$168,362	$10,212	$104,946	26
Dec-21		$170,386		$168,362	$10,444	$115,390	27
Jan-22		$170,386	$506	$168,868	$10,354	$125,744	28
Feb-22		$170,386		$168,868	$10,170	$135,914	29
Mar-22		$170,386	$506	$169,374	$8,407	$144,321	30
Apr-22		$170,386		$169,374	$6,968	$151,289	31
May-22		$170,386	$506	$169,880	$6,202	$157,491	32
Jun-22		$170,386		$169,880	$5,535	$163,026	33
Jul-22		$170,386	$506	$170,386	$4,888	$167,914	34
Jul-22		$170,386		$170,386	$1,909	$169,823	35
Aug-22		$170,386		$170,386	$563	$170,386	36

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEF (DoDEA)		March 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
YOKOTA AIR BASE, JAPAN	DoDEA	2.15

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20170930			56							56
b. END FY 2022			56							56

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	20,106.00
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	20,106.00

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
610811	Pacific East District Superintendent's Office	20,700 SF	20,106	Apr 2018	Mar 2020

9. FUTURE PROJECTS

730787	Replace Mendel Elementary School	131,000 SF	121,000	Feb 2020	Feb 2022

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	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE:
DoDEA		March 2019

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
YOKOTA AIR BASE, JAPAN	PACIFIC EAST DISTRICT SUPERINTENDENT'S OFFICE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	610811	PA00175	20,106

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				**15,768**
PACIFIC EAST DSO BUILDING (610811)	SF	20,700	697.39	14,436
SDD AND FEDERAL ENERGY ACTS COMPLIANCE	LS			270
ANTITERRORISM (AT/FP) MEASURES	LS			270
CYBERSECURITY MEASURES	LS			747
TEMPORARY RELOCATION OF DSO OPERATIONS	LS			45
SUPPORTING FACILITIES				**2,096**
ELECTRICAL UTILITIES	LS			234
COMMUNICATION UTILITIES	LS			306
WATER/SEWER UTILITIES	LS			243
SITE PREPARATION	LS			737
SITE IMPROVEMENTS	LS			297
DEMOLITION	LS			279
ESTIMATED CONTRACT COST				**17,864**
CONTINGENCY PERCENT (5%)				893
SUBTOTAL				**18,757**
SUPERVISION, INSPECTION & OVERHEAD (6.5%)				1,219
ENGINEERING DURING CONSTRUCTION				130
TOTAL REQUEST ROUNDED				**20,106**
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				**1,640**

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a District Superintendent's Office (DSO) facility with functional areas containing staff private offices, staff open offices, conference rooms, storage, Secure Internet Protocol Router (SIPR) room, training room, training room kitchenette, logistics warehouse, production suite, information technology workbench, staff lounge, telecommunications rooms, restrooms, an entrance/reception area, and other required areas for a fully functional administrative office. Typical construction is anticipated to consist of shallow foundation systems, reinforced concrete and structural steel framing, and reinforced concrete bearing and shear-walls. Interior construction will consist of reinforced concrete interior bearing and shear-walls, gypsum wallboard partitions, and operable/movable partition walls. Construction also includes a stand-alone water pump facility for fire protection.

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. Low Impact Development will be included in the design and construction of this project as appropriate.

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 any Theater-specific requirements.

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

Temporary relocation of DSO administrative operations allows the DSO to continue to support the administrative needs of the school district and gives the contractor full access to the construction site.

1. COMPONENT DoDEA	**FY 2020 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE: March 2019

3. INSTALLATION AND LOCATION YOKOTA AIR BASE, JAPAN	4. PROJECT TITLE: PACIFIC EAST DISTRICT SUPERINTENDENT'S OFFICE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	610811	PA00175	20,106

The project includes related infrastructure such as water, sewer, electric, and telecommunications comprising telephone, local area network, and provisions for interior wireless access, connection to high temperature hot water provided by the central plant on base, fire protection and alarm systems.

Site work includes site preparation such as soil stabilization under shallow footings and site improvements such as signage, fencing, paving, sidewalks, landscaping, covered walkways, canopies, exterior lighting, storm water management, resurfacing and restriping of existing parking areas, trash dumpster enclosure, and external AT/FP.

Demolition includes approximately 5,000 SF of existing facilities. Hazardous material mitigation will be required for the buildings to be demolished. Asbestos containing materials and lead based paint are present in the existing facilities. U.S. Federal and Japanese Environmental Laws and Regulations shall be followed.

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: 20,700 SF ADQT: 0 SF SUBSTD: 5,000 SF

PROJECT:

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

REQUIREMENT:

The District Superintendent's Office is required to provide consolidated and adequate facilities for 56 personnel supporting the DoDEA-Pacific East School District. The DSO provides space for staff overseeing school operations across Japan.

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

CURRENT SITUATION:

The current District Superintendent's Office (DSO) is dispersed across the installation in three buildings, 1240, 1378, and 1584. Building 1240 was constructed in 1989 and is in poor condition. This building is a converted classroom building and the administrative and training spaces do not meet DoDEA requirements. The building lacks a dedicated telecommunications room with proper cooling and the open office areas lack adequate LAN drops. Building 1378 was constructed in 1959 and is in poor condition. The building plumbing and electrical infrastructure is original, requiring frequent repair/replacement of components, including plumbing piping, plumbing fixtures, electrical branch wiring, and lighting fixtures. Interior finishes are degraded and exterior walls and windows do not meet energy standards and need repair. Building 1584 was constructed in 2012 and is in good condition. This building is only partially occupied by the Pacific East DSO along with some Base Civil Engineering offices.

IMPACT IF NOT PROVIDED:

If a new consolidated DSO facility is not provided the substandard environment will continue to hamper the educational process since the District Superintendent's Office will not be able to adequately support the DoDEA

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE:
DoDEA		March 2019

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
YOKOTA AIR BASE, JAPAN	PACIFIC EAST DISTRICT SUPERINTENDENT'S OFFICE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	610811	PA00175	20,106

schools in the Pacific East District. Being physically separated in three different locations negatively impacts the function of the DSO. Time and productivity are lost moving between the existing facilities which are spread out around the base. The required maintenance and repair of expired and failing systems will continue to strain maintenance capabilities and budgets. The use of the inadequate and undersized facilities will continue to impair the overall effectiveness of the DSO.

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 2018
(b) Percent of Design Completed as of January 2019:	15%
(c) Design or RFP Complete:	MAR 2020
(d) Total Design Cost ($000):	2,011
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used:	No
(3) Construction Data:	
(a) Contract Award:	JUL 2020
(b) Construction Start:	SEP 2020
(c) Construction Complete:	FEB 2022

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Furnishings	O&M	2022	760
IT	O&M	2022	700
Security Equipment	O&M	2022	180

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.

DoDEA POC (571) 372-1405

National Geospatial-Intelligence Agency
FY 2020 Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	New/ Approp. Request	Current Mission	Page No.
Missouri				
Saint Louis				
Next NGA West (N2W) Complex, Phase 2 Increment 2	-	218,800	C	84
Total	**-**	**218,800**		

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEF (NGA)		March 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
St. Louis, Missouri	NGA	1.00

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

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	97.20
b. INVENTORY TOTAL AS OF YYYMMDD	801.00
c. AUTHORIZATION NOT YET IN INVENTORY	491,000.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	0.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	0.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	491,801.00

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
141-456	Next NGA West (N2W) Complex, Ph 2 (Incr 2)	a. 481,300 SF Occupied Bldgs. b. 496,125 SF Pkg. Structure	218,800	Mar 2019	Dec 2019

9. FUTURE PROJECTS

141-456	Next NGA West (N2W) Complex, Ph 2 (Incr 3)	a. 481,300 SF Occupied Bldgs. b. 496,125 SF Pkg. Structure	119,000	Mar 2019	Dec 2019

10. MISSION OR MAJOR FUNCTIONS

National Geospatial-Intelligence Agency (NGA) is a defense combat support agency that provides geospatial-intelligence (GEOINT) functional management, intelligence products, and services to the Intelligence Community (IC), DOD, and other federal entities in support of national security objectives.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE *(YYYYMMDD)*
DEF (NGA)		March 2019

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
St. Louis, Missouri	Next NGA West (N2W) Complex, Ph. 2 Increment 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST *($000)*
	141-56	NGA-016B	$218,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST *($000)*
PRIMARY FACILITIES				**352,248**
Main Operations Building (141456)	SF	464,500	574.84	(267,014)
Central Utilities Plant Built-in Equipment	LS	1		(6,834)
Visitor Control Center (730832)	SF	7,300	601.26	(4,389)
Remote Inspection Facility (422275)	SF	9,500	618.17	(5,873)
Structured Parking (853101)	SF	496,125	62.39	(30,955)
Special Foundations	LS	1		(16,414)
Antiterrorism Measures	LS	1		(12,603)
Sustainability and Energy Features	LS	1		(4,006)
Building Commissioning	LS	1		(4,160)
SUPPORTING FACILITIES				**31,301**
Steam and Chilled Water System	LS	1		(555)
Paving, Walks, Curbs and Gutters	LS	1		(8,336)
Site Improvements	LS	1		(12,178)
Information Systems	LS	1		(9,678)
Antiterrorism Measures	LS	1		(554)
ESTIMATED CONTRACT COST				**383,549**
Contingency (5.0%)				19,177
SUBTOTAL				**402,726**
SIOH (5.7%)				22,955
Design/Build – Design Cost (4.0%)				16,109
Engineering During Construction (EDC) (1.5%)				6,041
TOTAL REQUEST				**447,831**
TOTAL REQUEST (Rounded)				**447,800**
Equipment from other appropriations				213,321

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE *(YYYYMMDD)*
DEF (NGA)		March 2019

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
St. Louis, Missouri	Next NGA West (N2W) Complex, Ph. 2 Increment 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST *($000)*
	141-56	NGA-016B	$218,800

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Constructs Phase 2 of the Next NGA West (N2W) Complex which will completely replace NGA's current sub-standard facilities located on South Second Street in St. Louis. This project will construct the balance of the Main Operations Building (MOB) requirement, provide equipment for the Central Utility Plant (CUP), and construct a Visitor Control Center (VCC), a Remote Inspection Facility (RIF), and a structured parking garage.

The MOB will include open office seating, an operations center, analyst/planner collaboration areas, joint staff offices, executive offices, meeting rooms, machine rooms, and storage space. The MOB will be built to Sensitive Compartmented Information Facility (SCIF) standards and contain elevators, raised access flooring, TEMPEST shielding, resilient primary power and Uninterruptable Power Supply (UPS) systems to ensure continuity of operations.

The CUP built-in equipment provides the additional mechanical and electrical systems to support the MOB.

The VCC is a separate, stand-alone facility which supports overall access to the site.

The RIF will all deliveries to the site and will be remote from the MOB and CUP to address security requirements.

Structured parking will be a parking garage to fulfill parking requirements for the completed N2W complex.

Special foundations include drilled shafts and shear walls.

Physical security mitigation will be in accordance with DoD Minimum Anti-Terrorism Standards for Buildings. Anti-Terrorism/Force Protection (AT/FP) features will include facility access control, setbacks, blast resistant exterior, Intrusion Detection Systems (IDS), and progressive collapse requirements, and comply with AT/FP regulations.

Site preparation includes standard clearing and grubbing, cut and fill, grading, and environmental protection structures.

Utilities infrastructure will include steam and chilled water, secure telecommunications, and building information systems.

Site improvements will include storm drainage, curb and gutter, walkways, patios, roads, and landscaping.

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. Energy Monitoring Control Systems (EMCS) will be integrated into the infrastructure. Low Impact Development will be included in the design and construction of this project as appropriate to include storm water management features.

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.

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA		2. DATE *(YYYYMMDD)*
DEF (NGA)			March 2019
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
St. Louis, Missouri		Next NGA West (N2W) Complex, Ph. 2 Increment 2	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST *($000)*
	141-56	NGA-016B	$218,800

11. REQUIREMENT: 767,600 SF **ADEQUATE:** 0 SF **SUBSTANDARD:** 907,872 SF

PROJECT: Construct Phase 2 of the new intelligence complex including the Main Operations Building (MOB) and other supporting facilities to replace NGA's substandard facilities located at the St. Louis Arsenal (Second Street compound). (Current Mission)

REQUIREMENT: The N2W complex is required to provide safe, secure, and efficient facilities that will meet NGA's long-term requirements and vision for Geospatial-Intelligence (GEOINT). An open and flexible work environment that is scalable, reconfigurable, and adaptable is required to support changing mission requirements. Mission critical systems and all associated equipment require the ability to operate from backup power source(s) without interrupting 100% of the estimated peak load requirements.

The complex will accommodate a total workforce of approximately 3,150 government personnel and contractors. Phase 1 (FY 2018 NGA-016A) supported approximately 1,100 personnel and Phase 2 (NGA-016B) will support approximately 2,050 personnel. The completed intelligence complex includes a Main Operations Building (MOB) with Central Utility Plant (CUP), Visitor Control Center (VCC), Remote Inspection Facility (RIF), Access Control Points (ACP), as well as structured and surface parking.

CURRENT SITUATION: NGA occupies approximately 908,000 square feet in fifteen separate buildings used for intelligence production, analysis, archival storage, training, administration offices, and maintenance shops. These buildings represent the oldest facilities in the Intelligence Community, where most of the primary facility was constructed in 1918 and has been expanded with additions in 1965 and 1986. In addition, the aged facilities do not comply with current building standards for seismic safety although it lies within the active New Madrid Seismic Zone, which has produced major earthquakes. These facilities have far exceeded their useful life, have a steadily growing maintenance backlog, and experience more frequent failures that are becoming more acute and disruptive to the mission.

Furthermore, the 27-acre Second Street compound is in an industrial area on the bank of the Mississippi River just south of downtown St. Louis. The site is surrounded by the Sigma-Aldrich Chemical Plant to the south, the Anheuser-Busch Brewery to the northwest, an active industrial rail yard to the northeast, and a rail line to the east running between the compound and the river. The constrained site requires NGA to lease land from both the chemical plant and brewery to provide approximately 600 additional parking spaces. Public transportation or other means of transportation is not available to support the assigned personnel. In addition, the site is incapable of meeting current security standards, much less the requirements necessary to protect an intelligence facility.

Due to NGA's consolidation into NGA East during BRAC 2005, there is now an increased reliance on the Second Street compound for continuity of operations; however the infrastructure at the compound was neither originally designed, nor is well-suited to support the dynamically correlated and adaptable intelligence data methods and services required of the GEOINT mission. It is becoming increasingly difficult and cost prohibitive to accommodate technology changes in existing facilities that are more suitable to a flexible and adaptable multi-purpose office environment.

IMPACT IF NOT PROVIDED: Intelligence operations will be split between the new facilities constructed in Phase 1 and continue to be performed out of substandard and inadequately protected facilities putting mission and personnel at risk. Increased investments will be required to maintain the existing facilities including upgrades to support technology changes. These conditions will persist and continue to worsen until the Phase 2 replacement facilities are fully operational in the 2023 timeframe.

JOINT USE CERTIFICATION: NGA considers that this project and the selected site have the potential for joint use; however, the scopes for Phase 1 and Phase 2 of the N2W complex only fund and support current mission requirements and partners. The site was selected with acreage sufficient to support future expansion of mission requirements beyond the funding requested for this project. Such expansion would allow mission partners with compatible or complimentary requirements to collocate with NGA.

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE *(YYYYMMDD)*
DEF (NGA)		March 2019

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
St. Louis, Missouri	Next NGA West (N2W) Complex, Ph. 2 Increment 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST *($000)*
	141-56	NGA-016B	$218,800

12. SUPPLEMENTAL DATA:

a. Estimated Execution Data:

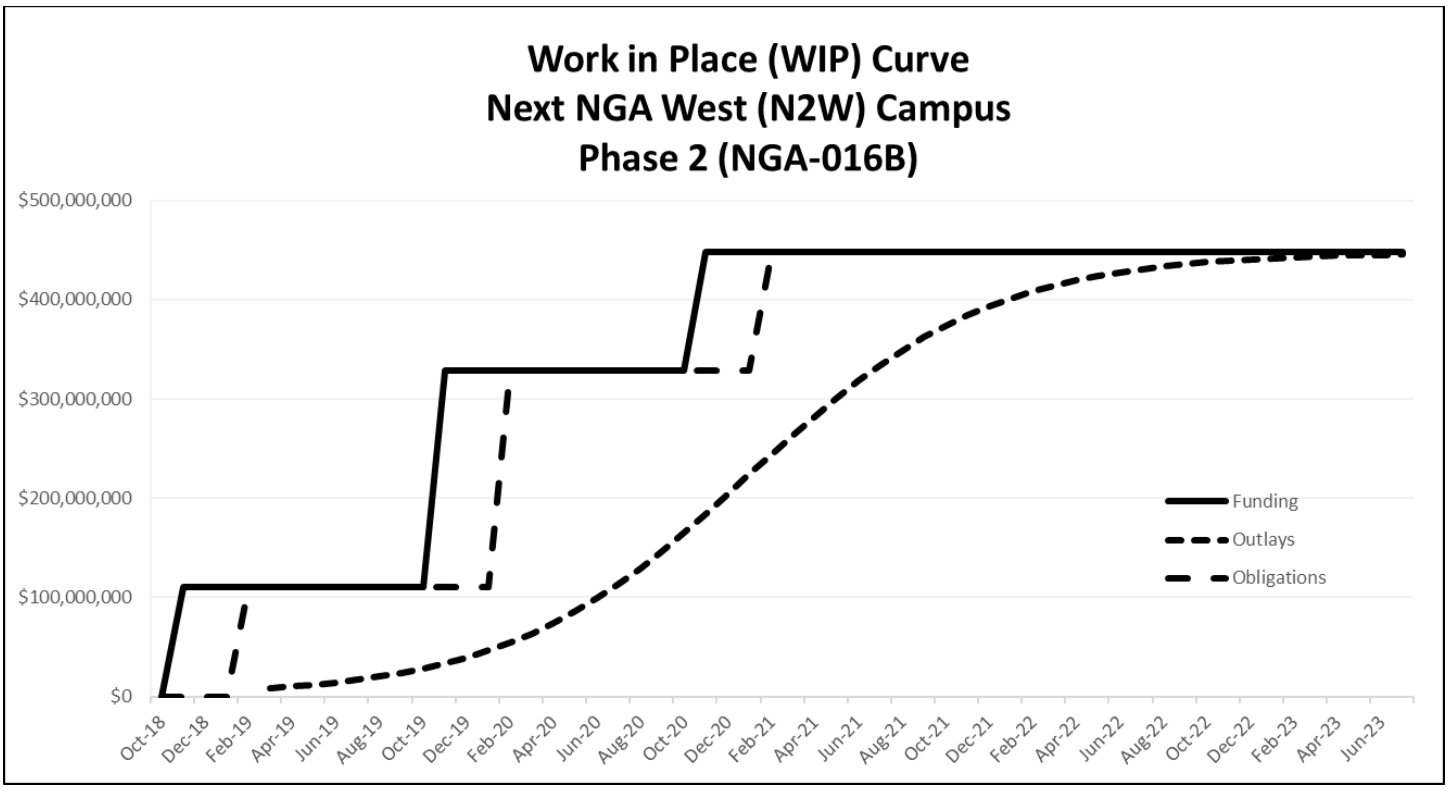
(1) Acquisition Strategy:	Design Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	SEP 2016
(b) Percent of Design Completed as of 1 JAN 2019	35%
(c) Design or RFP Complete:	MAR 2018
(d) Total Design Cost ($000):	23,760
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used?	Yes
(3) Construction Data:	
(a) Contract Award:	MAR 2019
(b) Construction Start:	SEP 2019
(c) Construction Complete:	AUG 2023

b. Equipment associated with this project provided from other appropriations:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Security Management System Support	O&M, DW	2022	10,000
Security Management System Support	O&M, DW	2023	9,860
Security Management System Equipment	P, DW	2023	1,500
Security Management System Support	O&M, DW	2024	9,149
Communication Support	O&M, DW	2022	6,200
Communication Equipment	P, DW	2022	28,348
Communication Support	O&M, DW	2023	6,400
Communication Equipment	P, DW	2023	63,564
Communication Support	O&M, DW	2024	6,600
Communication Equipment	P, DW	2024	27,700
Furnishings, Fixtures, and Equipment	O&M, DW	2022	44,000

c. Funding Profile:

Authorizations	
FY 2019	$447,800,000
Appropriations	
FY 2019	$110,000,000
FY 2020	$218,800,000
FY 2021	$119,000,000
	$447,800,000


Work in Place (WIP) Curve
Next NGA West (N2W) Campus
Phase 2 (NGA-016B)
$500,000,000
$400,000,000
$300,000,000
$200,000,000
$100,000,000
$0
Oct-18
Dec-18
Feb-19
Apr-19
Jun-19
Aug-19
Oct-19
Dec-19
Feb-20
Apr-20
Jun-20
Aug-20
Oct-20
Dec-20
Feb-21
Apr-21
Jun-21
Aug-21
Oct-21
Dec-21
Feb-22
Apr-22
Jun-22
Aug-22
Oct-22
Dec-22
Feb-23
Apr-23
Jun-23
Funding
Outlays
Obligations

PROJECT SPENDING PLAN

PROJECT: Next NGA West (N2W) Complex, St. Louis MO (Phase 2)

As of: Jan-19

All cost in thousands ($000)

	FUNDING		OBLIGATION		OUTLAYS	
Month - Year	**Enacted**	**Cumulative**	**Obligated**	**Cumulative**	**Monthly**	**Cumulative**
Nov-18	$110,000	$110,000	$0	$0	$0	$0
Dec-18	$0	$110,000	$0	$0	$0	$0
Jan-19	$0	$110,000	$0	$0	$0	$0
Feb-19	$0	$110,000	$110,000	$110,000	$0	$0
Mar-19	$0	$110,000	$0	$110,000	$8,400	$8,400
Apr-19	$0	$110,000	$0	$110,000	$1,700	$10,000
May-19	$0	$110,000	$0	$110,000	$2,000	$12,000
Jun-19	$0	$110,000	$0	$110,000	$2,300	$14,200
Jul-19	$0	$110,000	$0	$110,000	$2,700	$16,900
Aug-19	$0	$110,000	$0	$110,000	$3,200	$20,100
Sep-19	$0	$110,000	$0	$110,000	$3,800	$23,900
Oct-19	$0	$110,000	$0	$110,000	$4,400	$28,200
Nov-19	$218,800	$328,800	$0	$110,000	$5,200	$33,400
Dec-19	$0	$328,800	$0	$110,000	$6,000	$39,400
Jan-20	$0	$328,800	$0	$110,000	$7,000	$46,400
Feb-20	$0	$328,800	$218,800	$328,800	$8,100	$54,400
Mar-20	$0	$328,800	$0	$328,800	$9,200	$63,600
Apr-20	$0	$328,800	$0	$328,800	$10,500	$74,000
May-20	$0	$328,800	$0	$328,800	$11,800	$85,800
Jun-20	$0	$328,800	$0	$328,800	$13,200	$99,000
Jul-20	$0	$328,800	$0	$328,800	$14,600	$113,600
Aug-20	$0	$328,800	$0	$328,800	$16,000	$129,500
Sep-20	$0	$328,800	$0	$328,800	$17,200	$146,700
Oct-20	$0	$328,800	$0	$328,800	$18,300	$164,900
Nov-20	$119,000	$447,800	$0	$328,800	$19,200	$184,100
Dec-20	$0	$447,800	$0	$328,800	$19,800	$203,900
Jan-21	$0	$447,800	$0	$328,800	$20,100	$223,900
Feb-21	$0	$447,800	$119,000	$447,800	$20,100	$244,000
Mar-21	$0	$447,800	$0	$447,800	$19,800	$263,800
Apr-21	$0	$447,800	$0	$447,800	$19,200	$283,000
May-21	$0	$447,800	$0	$447,800	$18,300	$301,200
Jun-21	$0	$447,800	$0	$447,800	$17,200	$318,400
Jul-21	$0	$447,800	$0	$447,800	$16,000	$334,300
Aug-21	$0	$447,800	$0	$447,800	$14,600	$348,900
Sep-21	$0	$447,800	$0	$447,800	$13,200	$362,100
Oct-21	$0	$447,800	$0	$447,800	$11,800	$373,900
Nov-21	$0	$447,800	$0	$447,800	$10,500	$384,300
Dec-21	$0	$447,800	$0	$447,800	$9,200	$393,500
Jan-22	$0	$447,800	$0	$447,800	$8,100	$401,500
Feb-22	$0	$447,800	$0	$447,800	$7,000	$408,500
Mar-22	$0	$447,800	$0	$447,800	$6,000	$414,500
Apr-22	$0	$447,800	$0	$447,800	$5,200	$419,700
May-22	$0	$447,800	$0	$447,800	$4,400	$424,000
Jun-22	$0	$447,800	$0	$447,800	$3,800	$427,800
Jul-22	$0	$447,800	$0	$447,800	$3,200	$431,000
Aug-22	$0	$447,800	$0	$447,800	$2,700	$433,700
Sep-22	$0	$447,800	$0	$447,800	$2,300	$435,900
Oct-22	$0	$447,800	$0	$447,800	$2,000	$437,900
Nov-22	$0	$447,800	$0	$447,800	$1,700	$439,500
Dec-22	$0	$447,800	$0	$447,800	$1,400	$440,800
Jan-23	$0	$447,800	$0	$447,800	$1,200	$442,000
Feb-23	$0	$447,800	$0	$447,800	$1,000	$442,900
Mar-23	$0	$447,800	$0	$447,800	$900	$443,700
Apr-23	$0	$447,800	$0	$447,800	$700	$444,400
May-23	$0	$447,800	$0	$447,800	$600	$445,000
Jun-23	$0	$447,800	$0	$447,800	$500	$445,400
Jul-23	$0	$447,800	$0	$447,800	$400	$445,800
Aug-23	$0	$447,800	$0	$447,800	$2,100	$447,800

National Security Agency
FY 2020 Military Construction, Defense-Wide
($in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
Maryland				
Ft. George G. Meade				
NSAW Recapitaliztion Building 3				
Increment 2	-	426,000	C	92
Worldwide Classified				
Classified Location				
Mission Support Compound	52,000	52,000	C	98
Total	**52,000**	**478,000**		

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
NSA/CSS DEFENSE		March 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
Fort George G. Meade, Maryland	NSA/CSS	

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF YYYMMDD										0
b. END FY										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	676,000.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	0.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	98,000.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	1,110,556.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	1,884,556.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2)	(3) SCOPE		(1) START	(2) COMPLETE
141-90	NSAW Recapitalization Building #3,	a. 952,066 SF (Bldg.) b. 1,116,612 SF (Parking)	426,000	Sep 2017	Aug 2018

9. FUTURE PROJECTS

BUILDING	CODE	SCOPE	COST ($000)	DESIGN DATE START	DESIGN DATE END
NSAW Recapitalization Building #3, Increment 3 (FY21)	141-90	a. 952,066 SF (Bldg.) b. 1,116,612 SF (Parking)	$250,000	Sep 2017	Aug 2018
NSAW Archives Facility (FY21)	442-24	145,000 SF	$98,000	June 2019	June 2020
NSAW Mission Support Operations Facility (FY22)	141-69	335,000 SF	$195,000	July 2020	July 2021
NSAW Recapitalization Building #4, Increment 1 (FY22)	141-90	950,000 SF	$154,000	Jan 2020	Jan 2021
VCP5 (FY22)	141-13	2,900 SF	$39,000	Jan 2020	May 2021
NSAW Recapitalization Building #4, Increment 2 (FY23)	141-90	950,000 SF	$348,556	Jan 2020	Jan 2021
NSAW Recapitalization Building #4, Increment 3 (FY23)	141-90	950,000 SF	$280,000	Jan 2020	Jan 2021
NSAW Recapitalization Building #5, Increment 1 (FY23)	141-90	950,000 SF	$94,000	Jan 2022	Jan 2023

10. MISSION OR MAJOR FUNCTIONS

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

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

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
NSA/CSS DEFENSE		March 2019

3. Installation and Location	4. Project Title
Ft. George G. Meade, Maryland	NSAW RECAPITALIZATION BUILDING 3, INCREMENT 2

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
	143-80	35168	$426,000

9. Cost Estimates

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				**644,063**
Operations Building (143-80)	SF	952,066	541.08	(515,145)
Parking Facility (853-10)	SF	1,116,612	69.27	(77.344)
Operation and Maintenance Support Information (OMSI)	LS			(1,000)
Antiterrorism/Force Protection	LS			(44,706)
Sustainability and Energy Features	LS			(5,868)
SUPPORTING FACILITIES				**20,831**
Electrical & Communications Services				(8,735)
Site Utilities	LS			(875)
Paving, Walks, and Roadways	LS			(6,772)
Site Improvements	LS			(3,915)
Site Anti-Terrorism/Force Protection	LS			(534)
	LS			
ESTIMATED CONTRACT COST				**664,894**
Contingency (5.0%)				33,245
SUBTOTAL				**698,139**
SIOH (5.7%)				39,794
Design/Build (4%)				26,596
Design During Construction				10,471
Total Project Request				775,000
TOTAL PROJECT COST				**775,000**
Equipment from other appropriations				221,300

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Construct a command, control, communications, computers and intelligence (C4I) Operations facility. The project will provide office space, support space, equipment and communications space, maintenance spaces, limited storage space and include a parking facility for staff and visitors.

The technical and operational mission requirements will require that it contain a Sensitive Compartmented Information Facility (SCIF), uninterruptable power system (UPS), connection to existing emergency generators and Telecommunications Electronics Material Protected from Emanating Spurious Transmissions (TEMPEST) protection. The office areas will include open flexible office seating, collaborative multi-discipline work spaces, administrative and conference areas. An intelligence operations suite, auditorium, cafeteria, and multi-purpose innovation spaces will be provided.

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 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.

A parking structure will be constructed to provide new parking spaces for staff and visitors. Construction estimates include costs associated with construction on a controlled access site, clearances for personnel, labor inefficiencies associated with escort requirements, and other daily processes at NSA. Escorts are required for positive control of access to primary and secondary utilities, which service other critical NSA facilities.

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
NSA/CSS DEFENSE		March 2019

3. Installation and Location	4. Project Title
Ft. George G. Meade, Maryland	NSAW RECAPITALIZATION BUILDING 3, INCREMENT 2

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
	143-80	35168	$426,000

Physical Security mitigation will be in accordance with DoD Minimum Anti-Terrorism Standards for Buildings. Anti-Terrorism/Force Protection (AT/FP) features will include facility access control, setbacks, blast resistant exterior, Intrusion Detection Systems (IDS), and progressive collapse requirements, and comply with AT/FP regulations. Department of Defense principles for high performance and sustainable building requirements will be included in design and construction of the project in accordance with federal laws and Executive Orders.

The supporting facilities include primary electrical service and distribution, standby generators and secure communications infrastructure and cabling. Additional site utilities include water, sewer, gas connection/services from utility providers, and storm drainage systems.

New road construction, and realignment, widening and modifications to existing roads will be provided to connect to existing traffic infrastructure. Additional site improvements consist of walkways, courtyards, landscaping and Low Impact Development (LID) to include storm water management features. Additional site AT/FP measures will include fencing, road improvements and electronic security systems to extend secure perimeter and surveillance capabilities.

11. REQUIREMENT:			
	141-90: 952,066 GSF	**SUBSTANDARD: 0 GSF**	**ADEQUATE: 0 GSF**
	852-18: 1,116,612 GSF	**SUBSTANDARD: 0 GSF**	**ADEQUATE: 0 GSF**

PROJECT: Construct the third in a series of command, control, communications, computers and intelligence (C4I) operations buildings and structured parking facility (Current Mission).

REQUIREMENT: The National Security Agency (NSA) requires a safe and effective environment to provide mission critical facilities services to civilians and active duty service members that allows for the rapid deployment of signals intelligence (SIGINT) products and services to policy makers and military commanders. The new facility will provide reliable, modern and flexible infrastructure to support future technological requirements and reduce energy consumption through improved building and system efficiencies.

CURRENT SITUATION: The existing operations at Fort Meade are located in facilities constructed over 50 years ago and is not conductive to the delivery of mission critical intelligence and operations requirements. The existing facilities have insufficient space and services to support the full range of required missions, resulting in the dispersion of personnel into various functionally obsolete facilities or leased facilities. The main operations and headquarters building suffer from condition and configuration constraints that do not have the power and cooling infrastructure capability to support mission critical activities.

IMPACT IF NOT PROVIDED: There will be increased risk of mission critical failures as the modern communications equipment, computers and intelligence requirements overburden the existing facilities and infrastructure that is beyond its useful life.

1. Component NSA/CSS DEFENSE	FY 2020 MILITARY CONSTRUCTION PROJECT DATA		2. Date March 2019
3. Installation and Location Ft. George G. Meade, Maryland		4. Project Title NSAW RECAPITALIZATION BUILDING 3, INCREMENT 2	
5. Program Element	6. Category Code 143-80	7. Project Number 35168	8. Project Cost ($000) $426,000

12. SUPPLEMENTAL DATA

A. Estimated Execution Data

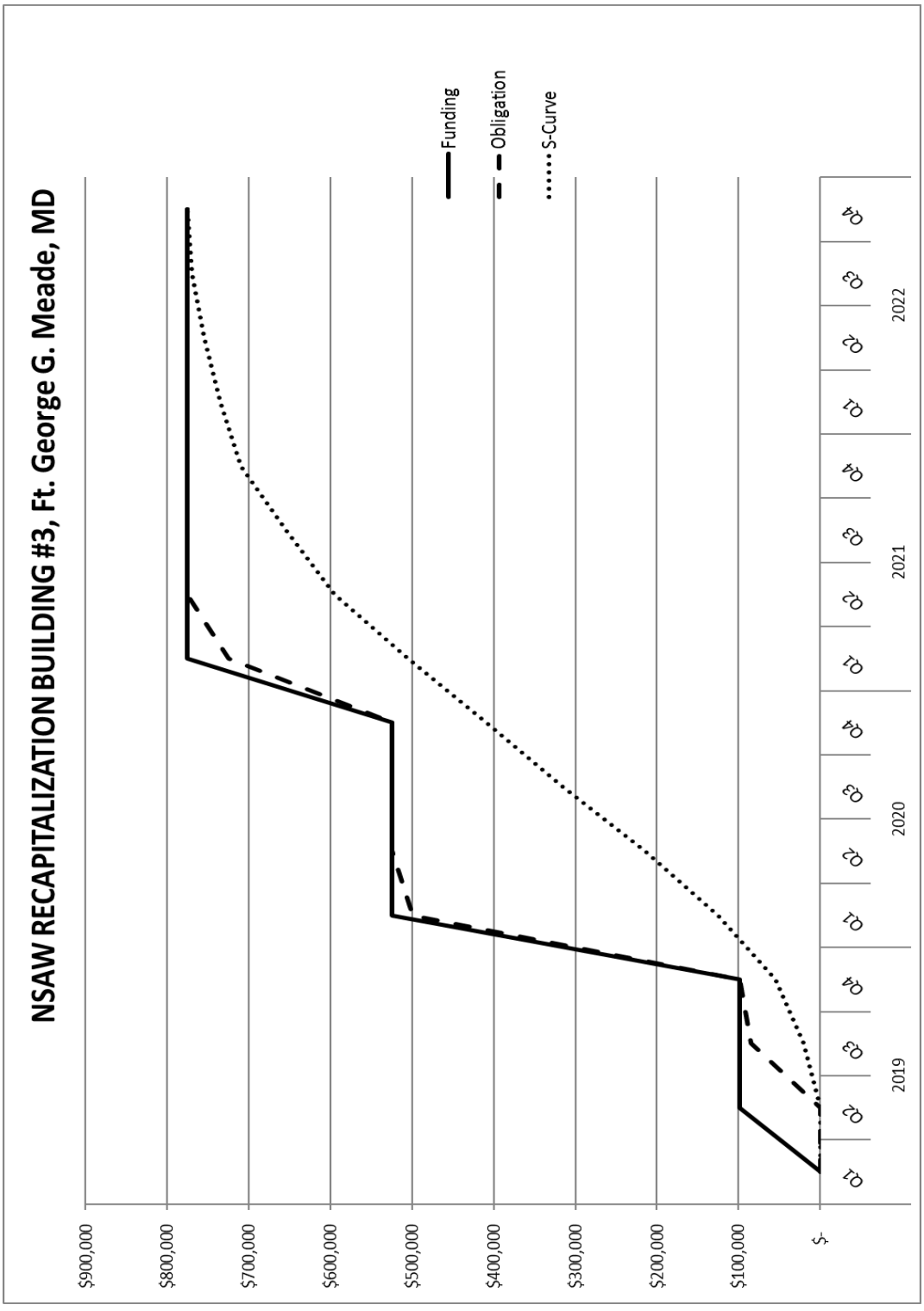
(1) Acquisition Strategy	Design/Build
(2) Design Data	
(a) Design or Request for Proposal (RFP) started:	Sep 2017
(b) Percent of Design Completed as of Jan 2018(BY-1)	15%
(c) Design or RFP Complete date:	Aug 2018
(d) Total Design Cost ($000):	$15,000
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used	No
(3) Construction Data	
(a) Contract Award:	Feb 2019
(b) Construction Start:	Aug 2019
(c) Construction Complete:	Feb 2023

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

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
IT, AV, Security, & Equipment	O&M	FY2022	24,000
IT, AV, Security, Equipment & Furniture	O&M	FY2023	129,000
IT, AV, Security, & Equipment	O&M	FY2024	34,300
IT, AV, Security, & Equipment	O&M	FY2025	34,000

C. Funding Profile:

Authorization	
FY2019:	$775,000,000
Appropriation	
FY2019 Increment 1:	$99,000,000
FY2020 Increment 2:	**$426,000,000**
FY2021 Increment 3:	$250,000,000
TOTAL	$775,000,000


NSAW RECAPITALIZATION BUILDING #3, Ft. George G. Meade, MD
Funding
Obligation
S-Curve
$900,000
$800,000
$700,000
$600,000
$500,000
$400,000
$300,000
$200,000
$100,000
$-
2019
2020
2021
2022
Q1
Q2
Q3
Q4

PROJECT SPENDING PLAN FOR INCREMENTALLY FUNDED PROJECT

PROJECT: East Campus Building 3 (ECB3)

As Of: 5-Dec-17

All costs in thousands ($000)

		FUNDING (Note 1)		OBLIGATIONS (Note 2)		OUTLAYS (Note 3)	
	Quarter	Monthly	Cumulative	Monthly	Cumulative	Monthly	Cumulative
	Q1	$ -	$ -	$ -	$ -	$ -	$ -
	Q2	$ 99,000	$ 99,000	$ -	$ -	$ -	$ -
	Q3	$ -	$ 99,000	$ 85,000	$ 85,000	$ 20,000	$ 20,000
2019	Q4	$ -	$ 99,000	$ 14,000	$ 99,000	$ 35,000	$ 55,000
	Q1	$ 426,000	$ 525,000	$ 400,000	$ 499,000	$ 70,000	$ 125,000
	Q2	$ -	$ 525,000	$ 26,000	$ 525,000	$ 90,000	$ 215,000
	Q3	$ -	$ 525,000	$ -	$ 525,000	$ 100,000	$ 315,000
2020	Q4	$ -	$ 525,000	$ -	$ 525,000	$ 95,000	$ 410,000
	Q1	$ 250,000	$ 775,000	$ 200,000	$ 725,000	$ 95,000	$ 505,000
	Q2	$ -	$ 775,000	$ 50,000	$ 775,000	$ 90,000	$ 595,000
	Q3	$ -	$ 775,000	$ -	$ 775,000	$ 60,000	$ 655,000
2021	Q4	$ -	$ 775,000	$ -	$ 775,000	$ 55,000	$ 710,000
	Q1	$ -	$ 775,000	$ -	$ 775,000	$ 25,000	$ 735,000
	Q2	$ -	$ 775,000	$ -	$ 775,000	$ 20,000	$ 755,000
	Q3	$ -	$ 775,000	$ -	$ 775,000	$ 15,000	$ 770,000
2022	Q4	$ -	$ 775,000	$ -	$ 775,000	$ 5,000	$ 775,000

Incremental Funding Profile:			Cumulative:
Incr 1	FY19	$ 99,000	$ 99,000
Incr 2	FY20	$ 426,000	$ 525,000
Incr 3	FY21	$ 250,000	$ 775,000

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
NSA/CSS DEFENSE		March 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
WORLDWIDE CLASSIFIED	NSA/CSS	1.01

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

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	52,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	52,000

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2)	(3) SCOPE		(1) START	(2) COMPLETE
a. 143-80 b. 721-27	Mission Support Compound (MSC)	a. 24,172 SF (bldg./warehouse) b. 19,823 (dormitory)	52,000	Jan 2019	Dec 2019

9. FUTURE PROJECTS

BUILDING	CODE	SCOPE	COST ($000)	DESIGN DATE START	DESIGN DATE END
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 (SIGINT) and Information Assurance (IA) 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

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
NSA/CSS DEFENSE		March 2019

3. Installation and Location	4. Project Title
WORLDWIDE CLASSIFIED	MISSION SUPPORT COMPOUND (MSC)

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
	143-80	36610	52,000

9. Cost Estimates

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES				**39,617**
Operations Building with Warehouse (CCN 143-80)	SF	24,172	594.43	14,369
Dormitory (CCN 721-27)	SF	19,823	479.66	9,508
Overhead Cover	LS			2,620
Special Costs	LS			11,580
Operation & Maintenance Supp Info (OMSI)	LS			500
Sustainability and Energy Features	LS			1,040
SUPPORTING FACILITIES				**6,530**
Utilities	LS			2,170
Site Preparation	LS			350
Paving and Site Improvements	LS			1,920
Cybersecurity Features	LS			690
Anti-Terrorism/Force Protection	LS			1,400
SUBTOTAL				**46,147**
Contingency (5.0%)				2,307
Total Contract Cost				**48,454**
Supervision, Inspecition, and Overhead (SIOH) (6.2%)				3,004
Total Request				51,458
Total Request (Rounded)				**52,000**
Equipment from other appropriations				2,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Construct a mission support compound at a CLASSIFIED LOCATION. The project includes a warehouse and operations, command and control facility with secure operations space, administrative space, information technology (IT) equipment room, and IT logistics support space as well as a shared conference room, break room and restrooms. The climate-controlled high-bay warehouse will be integral with the operations facility and will include both open bay and secure storage areas, as well as shipping and receiving support areas. Outdoor storage areas around the warehouse will be covered as mission requirements dictate. The operations and warehouse facility will have resilient and redundant electrical and cooling infrastructure and uninterruptable power supply (UPS) to ensure continuity of operations. A dormitory facility for 50 permanent unaccompanied personnel with laundry and lounge facilities will be provided.

Special costs include Post Construction Award Services (PCAS). Special costs also include cleared workers, monitoring during Secure Compartmented Information Facility (SCIF) construction; including surveillance by Construction Security Technicians and Cleared American Guards during secure space finish work in accordance with Intelligence Community standards.

Physical security mitigation will comply with DoD minimum Anti-Terrorism/Force Protection (AT/FP) measures and include access control systems (ACS), setbacks, blast resistant exterior, and intrusion detection systems (IDS).

Utilities include water, primary electrical service, site and security lighting, sanitary sewer, storm drainage, information systems infrastructure, back-up power generation, and fuel and water storage. Site preparation includes relocating existing equipment and utilities, grading and installing dust-suppressing gravel ground cover. Paved roads and concrete paver walkways will provide connected facilities with entrance gates and equipment areas.

1. Component NSA/CSS DEFENSE	FY 2020 MILITARY CONSTRUCTION PROJECT DATA (Continuation)		2. Date March 2019
3. Installation and Location WORLDWIDE CLASSIFIED		4. Project Title MISSION SUPPORT COMPOUND (MSC)	
5. Program Element	6. Category Code 143-80	7. Project Number 36610	8. Project Cost ($000) 52,000

Site improvements include elevated equipment platforms and covered, paved parking areas, patios, and canopied outdoor seating and recreational amenities for the dormitory. Site AT/FP and security features will be incorporated based on location threat assessments.

Department of Defense and site specific 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 will be included in the design and construction of this project as appropriate.

Facilities will be designed to meet or exceed the useful service life specified in the 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, while meeting the site requirements.

11. REQUIREMENT: 143-80: 24,172 GSF SUBSTANDARD: 0 GSF ADEQUATE: 0 GSF
721-27: 19,823 GSF SUBSTANDARD: 0 GSF ADEQUATE: 0 GSF

PROJECT: Construct a mission support compound with an operations and warehouse facility, and dormitory (Current Mission).

REQUIREMENT: This project is required to replace temporary and relocatable structures with permanent construction to support the enduring, long-term mission. The new facility will provide buildings that have the modern infrastructure necessary to support current and future missions and provide personnel with improved quality of life at this location.

CURRENT SITUATION: The facilities to be replaced were installed in 2011 and are not adequately sized or configured to satisfy current mission requirements. The facilities are in poor condition and do not provide an appropriate environment for conducting operations or housing personnel.

IMPACT IF NOT PROVIDED: If the proposed facilities are not built, the current mission will continue to be impacted as the temporary facilities deteriorate and require more frequent repairs. Intelligence operations will be performed out of substandard and inadequately protected facilities, putting mission and people at risk.

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 2019
(b) Percent of Design Completed as of Jan 2019 :	0%
(c) Design or RFP Complete date:	Dec 2019
(d) Total Design Cost ($000):	$5,200
(e) Energy Study and/or Life Cycle Analysis performed:	No
(3) Construction Data	
(a) Contract Award	Nov 2020
(b) Construction Start	Dec 2020
(c) Construction Complete	Dec 2022

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

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
Furnishings, Fixtures, and Equipment	O&M	FY2022	2,000

U.S. Special Operations Command
FY 2020 Military Construction, Defense-Wide
($ In Thousands)

State/Installation/Project	Authorization Request	Approp Request	New/ Current Mission	Page No
Florida				
Hurlburt Field				
SOF Maintenance Training Facility	18,950	18,950	C	104
SOF AMU & Weapons Hangar	72,923	72,923	C	107
SOF Combined Squadron Operations Facility	16,513	16,513	C	110
Eglin Air Force Base				
SOF Combined Squadron Ops Facility	16,500	16,500	C	114
Key West				
SOF Watercraft Maintenance Facility	16,000	16,000	C	118
Hawaii				
Joint Base Pearl Harbor-Hickam				
SOF Undersea Operational Training Facility	67,700	67,700	C	122
North Carolina				
Camp Lejeune				
SOF Marine Raider Regiment HQ	13,400	13,400	C	126
Fort Bragg				
SOF Operations Support Building	29,000	29,000	C	130
SOF Human Platform-Force Generation Facility	43,000	43,000	C	134
SOF Assessment and Selection Training Complex	12,103	12,103	C	137
Virginia				
Dam Neck				
SOF Demolition Training Compound Expansion	12,770	12,770	C	141
Joint Expeditionary Base Little Creek - Fort Story				
SOF NSWG-10 Operations Support Facility	32,600	32,600	C	145
SOF NSWG2 JSOTF Operations Training Facility	13,004	13,004	C	148
Washington				
Joint Base Lewis-McChord				
SOF 22 STS Operations Facility	47,700	47,700	C	152

U.S. Special Operations Command
FY 2020 Military Construction, Defense-Wide
($ In Thousands)

State/Installation/Project	Authorization Request	Approp Request	New/ Current Mission	Page No
CONUS Classified				
Battalion Complex, Ph 3	82,200	82,200	C	155
Total	**494,363**	**494,363**		

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEF (USSOCOM)		MAR 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
HURLBURT FIELD, FLORIDA	AIR FORCE SPECIAL OPERATIONS COMMAND	0.84

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 20180930	1,266	4,875	1,159	145	218	0	184	881	455	9,183
b. END FY24	1,303	5,186	1,165	145	218	0	173	882	447	9,519

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	6,341
b. INVENTORY TOTAL AS OF 20180930	3,611,031
c. AUTHORIZATION NOT YET IN INVENTORY	69,260
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	108,386
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	80,038
f. PLANNED IN NEXT THREE PROGRAM YEARS	51,622
g. REMAINING DEFICIENCY	41,304
h. GRAND TOTAL	3,961,641

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
171	SOF COMBINED SQUADRON OPERATIONS FACILITY	3,670 SM (39,500 SF)	16,513	10/17	08/19
171	SOF MAINTENANCE TRAINING FACILITY	3,422 SM (36,800 SF)	18,950	10/17	08/19
211	SOF AMU & WEAPONS HANGAR	9,840 SM (105,900 SF)	72,923	10/17	08/19

9. FUTURE PROJECTS

113	SOF COMBAT AIRCRAFT PARKING AREA NORTH	54,009 SM (581,400 SF)	37,038		
141	SOF SPECIAL TACTICS OPERATIONS FACILITY	9,680 SM (104,200 SF)	43,000		
171	SOF SMALL ARMS RANGE	4,791 SM (51,600 SF)	27,836		
141	SOF HUMAN PERFORMANCE TRAINING CENTER	1,393 SM (15,500 SF)	7,822		
113	SOF VEHICLE SHELTER	8,987 SM (97,700 SF)	10,297		
171	ADD/ALTER SIMULATOR FACILITY	827 SM (8,900 SF)	5,667		

10. MISSION OR MAJOR FUNCTIONS

Hurlburt Field supports MC-130, AC-130, CV-22, Non-Standard Aviation (NSA), and special operations squadrons.
The 1st Special Operations Wing plans and executes specialized and contingency operations in support of national priorities. The wing's core missions include close air support, precision aerospace firepower, specialized aerospace mobility, intelligence, surveillance and reconnaissance (ISR) operations, and agile combat support.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
HURLBURT FIELD, HURLBURT FIELD SITE #1, FLORIDA	SOF MAINTENANCE TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	171	FTEV153007	18,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				13,270
MAINTENANCE TRAINING FACILITY (CC17162) (36,800 SF)	SM	3,422	3,740	(12,798)
CYBERSECURITY MEASURES	LS			(250)
SUSTAINABILITY AND ENERGY FEATURES	LS	--	--	(222)
SUPPORTING FACILITIES				3,804
UTILITIES	LS	--	--	(615)
SITE IMPROVEMENTS	LS	--	--	(341)
PAVEMENTS	LS	--	--	(132)
COMMUNICATION	LS	--	--	(82)
SPECIAL CONDITIONS (EXCAVATE/FILL)	LS	--	--	(2,576)
AT/FP/PHYSICAL SECURITY MEASURES	LS	--	--	(58)

ESTIMATED CONTRACT COST				17,074
CONTINGENCY (5%)				854

SUBTOTAL				17,928
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,022

TOTAL REQUEST				18,950
TOTAL REQUEST (ROUNDED)				18,950
EQUIPMENT FROM OTHER APPROPRIATIONS				(450)

10. DESCRIPITON OF PROPOSED CONSTRUCTION: Construct a high bay facility with concrete foundation, auger cast pilings, floor slab, steel frame, masonry walls and sloped metal roof, environmental control (heating, air conditioning and ventilation), fire detection and protection, and mass notification system. Functional areas include space for a dedicated Weapons Load Trainer (WLT), a full size C-130 aircraft with both wings (no tail), small training devices, classrooms, instructors and staff offices, storage, etc. Supporting facilities include utilities, pavements, site improvements, communications, and all necessary support. Special site conditions includes the removal of a large quantity of unsuitable material, disposal, and suitable fill and compaction of the entire site area. 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 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: 4,497 SM (48,400 SF) **Adequate:** 1,075 SM (11,600 SF) **Substandard:** 0 SM (0 SF)
PROJECT: Maintenance Training Facility (AC-130J)
REQUIREMENT: The AC-130J has a new weapons load requirement that requires the use of a dedicated

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
HURLBURT FIELD, HURLBURT FIELD SITE #1, FLORIDA	SOF MAINTENANCE TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	171	FTEV153007	18,950

WLT. AFI 21-101, paragraph 10.7.1, states that "practical training will be conducted in a facility dedicated to load crew training that is of sufficient size to accommodate required aircraft, training munitions and associated support equipment." The facility will also have classroom space dedicated to AC-130J Weapons Load Training, Maintenance Qualification Training Program (MQTP), and Maintenance Training Flight (MTF) classes designed to qualify students on AC-130J systems.

CURRENT SITUATION: The installation does not have a facility to dedicate to load crew training that is of sufficient size to accommodate required WLT, training munitions, and associated support equipment. These requirements recur monthly and do not exist on legacy weapon systems. New weapons load requirements have increased loading time from 20 minutes to up to five hours depending on the required configuration. While weapons load training is conducted, no other operations can be performed on the aircraft. A retiring legacy aircraft has been identified to be specially modified for use as a WLT. A dedicated maintenance training facility will satisfy this requirement to provide the protection needed to sustain uninterrupted weapons load training operations, and to shelter the training device from long term corrosive effects of exposure to the elements.

IMPACT IF NOT PROVIDED: Without a facility to house the WLT, weapons load team training operations will have to be performed on the flight line, placing at risk the unit's ability to sustain combat ready AC-130J load crews as they compete for usage of high demand operations aircraft. Additionally, Hurlburt Field experiences torrential rains, high winds, and lightning within five miles almost daily during the summer months. The quick arrival of lightning cannot guarantee personnel working outdoors will have sufficient time to take cover and weapons load training would have to be interrupted or cancelled altogether until the weather cleared. Demand for training will require daily use to maintain load crew certification and qualification currency. Operational and weather delays would cause crews to lose their certification, which puts combat capability at risk.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements." A preliminary analysis of reasonable options (status quo, upgrade, new construction) for accomplishing this project was done. It indicated this project is the preferred alternative. 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.

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 Complete as of January 2019	35%
(c) Design or RFP Complete:	Aug 2019
(d) Total Design Cost ($000)	2,234
(e) Energy Study and Life Cycle Analysis Performed	No
(f) Standard or definitive design used?	No
(3) Construction Data	
(a) Contract Award	Mar 2020
(b) Construction Start	May 2020

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
HURLBURT FIELD, HURLBURT FIELD SITE #1, FLORIDA	SOF MAINTENANCE TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	171	FTEV153007	18,950

(c) Construction Complete Mar 2022

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	2022	315
C4I Equipment	O&M, D-W	2022	135

Air Force Special Operations Command
Telephone: (850) 884-2869
This Headquarters has reviewed and validated the accuracy of the project justification.

2. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
HURLBURT FIELD, HURLBURT FIELD, SITE #1, FLORIDA	SOF AIRCRAFT MAINTENANCE UNIT (AMU) AND WEAPONS HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	211	FTEV153009	72,923

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				32,228
AIRCRAFT MAINTENANCE UNIT/SHOPS (CC21115) (105,900 SF)	SM	9,840	3,136	(30,858)
CYBERSECURITY MEASURES	LS	--	--	(750)
SUSTAINABILITY AND ENERGY FEATURES	LS	--	--	(620)
SUPPORTING FACILITIES				33,478
UTILITIES	LS	--	--	(2,639)
SITE IMPROVEMENTS	LS	--	--	(2,042)
PAVEMENTS	LS	--	--	(2,352)
PAVEMENTS-AIRFIELD	LS	--	--	(1,645)
COMMUNICATION	LS	--	--	(332)
HARDSTAND	LS	--	--	(848)
SPECIAL SITE CONDITIONS	LS	--	--	(17,185)
MITIGATION	LS	--	--	(4,086)
DEMOLITION (49,400 SF)	SM	4,589	439	(2,015)
AT/FP/PHYSICAL SECURITY MEASURES	LS	--	--	(334)

ESTIMATED CONTRACT COST				65,706
CONTINGENCY (5%)				3,285

SUBTOTAL				68,991
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				3,932
TOTAL REQUEST				72,923
TOTAL REQUEST (ROUNDED)				72,923
EQUIPMENT FROM OTHER APPROPRIATIONS				(2,238)

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Construct an aircraft maintenance facility. The facility will include maintenance hangar, aircraft maintenance unit shops, and weapons (armament) shop. Facility will have reinforced concrete foundation and floor slab, steel structure, masonry walls and standing seam metal roof, environmental control (heating, air conditioning and ventilation), fire detection and protection, mass notification system. Supporting facilities include utilities, pavements, site improvements, communications, and all necessary support. Roadway and parking include associated primary utilities/communications and realignment of existing as required. Airfield pavements provide access to the hangar. Special site conditions exist that require excavation, additional fill and stabilization of the site and wetlands mitigation. Project includes demolition of facilities: 90731, 90809, 90811, 90812, 90825, 98065, and 99104. 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 regulations

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
HURLBURT FIELD, HURLBURT FIELD, SITE #1, FLORIDA	SOF AIRCRAFT MAINTENANCE UNIT (AMU) AND WEAPONS HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	211	FTEV153009	72,923

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: 35,581 SM (383,000 SF) **Adequate:** 25,741 SM (277,000 SF) **Substandard:** 7,920 SM (85,300 SF)

PROJECT: Construct AMU, Weapons Shop, and Weapons Hangar

REQUIREMENT: A dual purpose hangar is required to maintain the new AC-130J aircraft and service the AC-130J weapons. The AC-130J program at Hurlburt will grow to 24 aircraft and the Maintenance Unit will grow to approximately 600 personnel. The hangar must be large enough to shelter one AC-130J aircraft with internal storage for aircraft equipment, and spare engines and propellers.

Maintenance, cleaning, servicing and system operation checks on and off-aircraft are required 24/7 for the armament systems including but not limited to 105MM Howitzer system, 30MM gun system, Bomb Rack Units (BRU-61 and MAU-40), Guided Missile Racks, AC-130J Precision Strike Package Mission Operation Pallet and all associated support/supply equipment. In addition to the Maintenance Unit's personnel, the facility must be large enough to house approximately 130 government contractors, active duty and civilian armament systems maintenance personnel, ensuring all proprietary, security and safety requirements are met.

CURRENT SITUATION: No hangar or maintenance facilities exists that can house the additional AC-130J personnel, equipment, supplies and system support assets necessary to maintain the AC-130J weapons systems. The legacy AMU is geographically separated from the weapons loading area. The 1 SOW has also outgrown its current armament facilities. The AC-130J has requirements that do not currently exist on legacy systems. Due to new load times and weapon system requirements, the AC-130J requires a dedicated hangar with space for weapons maintenance that is adjacent to the Combat Aircraft Parking Apron (CAPA) ramp to insure explosive siting safety compliance and efficient weapons loading. A dedicated hangar and maintenance facility is required to assist in transforming to the new mission requirements of the AC-130J fleet as it grows to its end strength.

IMPACT IF NOT PROVIDED: Without this project combat readiness of the AC-130J will be lost due to the inability to achieve required maintenance production rates on the aircraft due to insufficient space. Without the hangar adjacent to the CAPA ramp, multiple aircraft tows would be required daily to support mission requirements. The AMU does not have the manning to dedicate the resources that would be needed, and the time wasted on towing aircraft would negatively impact mission capability of the fleet. Loss in mission capability reduces the ability to provide precise delivery munitions supporting joint conventional and special operations forces. It also limits availability to support unified and theater special operations commands in the conduct of close air support, armed reconnaissance, and interdiction missions worldwide in support of Secretary of Defense taskings.

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. 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 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
HURLBURT FIELD, HURLBURT FIELD, SITE #1, FLORIDA	SOF AIRCRAFT MAINTENANCE UNIT (AMU) AND WEAPONS HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	211	FTEV153009	72,923

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 Complete as of January 2019	35%
(c) Design or RFP Complete:	Aug/2019
(d) Total Design Cost ($000)	7,500
(e) Energy Study and Life Cycle Analysis Performed	No
(f) Standard or definitive design used?	No
(3) Construction Data	
(a) Contract Award	Mar/2020
(b) Construction Start	May/2020
(c) Construction Complete	Jan/2023

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	2023	1,870
C4I Equipment	O&M, D-W	2023	368

Air Force Special Operations Command
Telephone: (850) 884-2869
This Headquarters has reviewed and validated the accuracy of the project justification.

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
HURLBURT FIELD SITE #1, HURLBURT FIELD, FLORIDA	SOF COMBINED SQUADRON OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	141	FTEV153010	16,513

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				12,391
ADVANCED SKILLS TRNG FACILITY (CC17162) (28,200 SF)	SM	2,620	3,245	(8,502)
SQUADRON OPERATIONS FACILITY (CC14175) (11,300 SF)	SM	1,050	3,245	(3,407)
CYBERSECURITY MEASURES	LS	--	--	(250)
SUSTAINABILITY AND ENERGY FEATURES	LS	--	--	(232)
SUPPORTING FACILITIES				(2,488)
UTILITIES	LS	--	--	(331)
SITE IMPROVEMENTS	LS	--	--	(809)
PAVEMENTS	LS	--	--	(473)
COMMUNICATION	LS	--	--	(309)
SPECIAL CONDITIONS	LS	--	--	(530)
AT/FP/PHYSICAL SECURITY MEASURES	LS	--	--	(36)

ESTIMATED CONTRACT COST				14,879
CONTINGENCY (5%)				744

SUBTOTAL				15,623
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				89

TOTAL REQUEST				16,513
TOTAL REQUEST (ROUNDED)				16,513
EQUIPMENT FROM OTHER APPROPRIATIONS				(1,768)

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Construct a two-story facility with reinforced concrete foundation and floor slab, steel structure, masonry walls, standing seam metal roof, environmental controls, fire detection and protection, and mass notification system. Provides functional areas for a Special Operations Combat Training Squadron (SOCTS) which include command, admin, academics (both standard and secure classrooms), and Tactical Operations Medical Simulator laboratory with independent temperature controls, logistical spaces, armory and individual equipment caged area, and exterior covered storage. Provides space for a Flight Test Squadron (FLTS) to include space for the instrumentation flight personnel, industrial workspace for engineer technicians with unclassified and classified storage areas. Supporting facilities include utilities, pavements, site improvements, communications, and all necessary support. Special site conditions include the removal of a large quantity of unsuitable material, fill and subsequent compaction. 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 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.

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
HURLBURT FIELD SITE #1, HURLBURT FIELD, FLORIDA	SOF COMBINED SQUADRON OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	141	FTEV153010	16,513

11. Requirement: 66,479 SM (715,600 SF) **Adequate:** 59,387 SM (639,200 SF) **Substandard:** 0 SM (0 SF)

PROJECT: Construct a Combined Squadron Operations Facility for one SOCTS and two FLTS.

REQUIREMENT: The SOCTS requires a properly configured facility in support of academic and advanced skills training for 2,500 plus students per year. An instrumentation test facility for the two FLTS is required to plan, brief, conduct, and report on developmental, qualification, and operational testing of all Air Force Special Operations aircraft. The new building design shall incorporate the common needs of all three units with their specific needs to conduct flight test evaluations required before Special Operations Forces (SOF) acquisition programs field new and/or improved systems to the warfighter.

CURRENT SITUATION: During FY15, the SOCTS executed 13 courses in support of 1,636 SOF aviators and ground support personnel, equating to an average daily student load (ADSL) of 74.5. Effective FY16, the SOCTS was required to expand both the Air Commando Field Skills and SOF Distributed Ground Systems Courses; now executing 15 courses and training over 2,538 students annually with an ADSL over 100. Currently, the SOCTS is operating out of five geographically separated facilities. Both the FLTS elements are currently located in buildings 90527 and 90070. Building 90070 is being utilized for industrial workspace (instrumentation) supporting 20 personnel but the mission has outgrown the space. Additionally, the space is inadequate and not conducive due to split of operations causing geographic separation from the main FLTS building 90527.

IMPACT IF NOT PROVIDED: Without sufficient space, the SOCTS staff and their students are forced to operate out of inadequate and dispersed facilities, affecting mission capability and efficiency ultimately jeopardizing the Air Force's capability and capacity to train SOF personnel in advanced tactics. As for the FLTS units, failure to construct adequate industrial workspace and storage for flight testing will potentially lengthen the acquisition time required to field new and advanced SOF weapon systems.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements." A preliminary analysis of reasonable options (status quo, upgrade, new construction) for accomplishing this project was done. It indicated this project is the preferred alternative. 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.

---

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 Complete as of January 2019	35%
(c) Design or RFP Complete:	Aug 2019
(d) Total Design Cost ($000)	1,957
(e) Energy Study and Life Cycle Analysis Performed	No
(f) Standard or definitive design used?	No
(3) Construction Data	
(a) Contract Award	Mar 2020

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
HURLBURT FIELD SITE #1, HURLBURT FIELD, FLORIDA	SOF COMBINED SQUADRON OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	141	FTEV153010	16,513

(b) Construction Start May 2020
(c) Construction Complete Mar 2022

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	2022	1,400
C4I Equipment	O&M, D-W	2022	368

Air Force Special Operations Command
Telephone: (850) 884-2869
This Headquarters has reviewed and validated the accuracy of the project justification.

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEF (USSOCOM)		MAR 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
EGLIN AUXILIARY FIELD #3, FLORIDA	AIR FORCE SPECIAL OPERATIONS COMMAND	0.87

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 20180930	0	0	0	0	0	0	167	291	6	464
b. END FY24	0	0	0	0	0	0	200	363	6	569

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	1,945
b. INVENTORY TOTAL AS OF 20180930	680,041
c. AUTHORIZATION NOT YET IN INVENTORY	5,000
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	16,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	47,898
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	749,439

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 COMBINED SQUADRON OPERATIONS FACILITY	3,409 SM	16,500	10/17	08/19

9. FUTURE PROJECTS

211	SOF FUEL CELL HANGAR	1,403 SM (15,100 SF)	11,150		
141	SOF OPERATIONS AND MANITENANCE FACILITIES	3,781 SM (40,700 SF)	36,748		

10. MISSION OR MAJOR FUNCTIONS

Special Operations Wing with Aviation Foreign Internal Defense (AvFID) C-145 and Non-Standard Aviation Medium (NSAvM) C-146 aircraft special operations squadrons.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
EGLIN AIR FORCE BASE AUXILIARY FIELD #3, FLORIDA	SOF COMBINED SQUADRON OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	141	FTFA163002	16,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				10,466
SQUADRON OPERATIONS (CC14175) (36,700 SF)	SM	3,409	2,938	(10,016)
CYBERSECURITY MEASURES	LS	--	--	(250)
SUSTAINABILITY AND ENERGY FEATURES	LS	--	--	(200)
SUPPORTING FACILITIES				4,401
UTILITIES	LS	--	--	(1,118)
SITE IMPROVEMENTS	LS	--	--	(726)
PAVEMENTS	LS	--	--	(1,274)
COMMUNICATION	LS	--	--	(792)
SPECIAL SITE CONDITIONS	LS	--	--	(440)
AT/FP/PHYSICAL SECURITY MEASURES	LS	--	--	(51)

ESTIMATED CONTRACT COST				14,867
CONTINGENCY (5%)				743

SUBTOTAL				15,610
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				890

TOTAL REQUEST				16,500
TOTAL REQUEST (ROUNDED)				16,500
EQUIPMENT FROM OTHER APPROPRIATIONS				(2,368)

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Facility shall have foundation and floor slab, structural framing, insulated walls and roofs, environmental control (heating, ventilation and air conditioning), fire detection and suppression. Functional areas include administration, planning and briefing areas, formal training, office space, secure open storage and planning vault, mobility storage, and aircrew flight equipment storage and maintenance for each crew member. Includes utilities, pavements, site improvements, communications and all other necessary support. Project provides perimeter fencing, new road with associated primary utilities and realignment of existing as required. Special site conditions exist which will require extra clearing, additional fill and stabilization of the site. 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 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.

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
EGLIN AIR FORCE BASE AUXILIARY FIELD #3, FLORIDA	SOF COMBINED SQUADRON OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	141	FTFA163002	16,500

11. Requirement: 42,629 SM (458,688 SF) **Adequate:** 13,916 SM (149,736 SF) **Substandard:** 25,304 SM (272,271 SF)

PROJECT: Construct a Squadron Operations Facility.

REQUIREMENT: Project supports the standup of an active duty Special Operations Squadron (SOS) that functionally integrates Air Force Reserve personnel associated from a Special Operations Wing (SOW) to leverage the combined capabilities of both regular and Reserve personnel and resources in order to maximize Non-Standard Aviation Medium (NSAvM) capability. Project supports the standup of NSAvM squadron operations to provide an adequate facility for secure flight planning, briefing, and critique of aircrews and to direct flight operations of assigned aircraft in support of this new squadron. A properly configured facility is essential to exercise secure command and control, operations, training and mission briefings. Space is also required to maintain, store and issue aircrew flight equipment and clothing for each crew member and to support a C-146 formal training unit. Squadron operations development allows crews to plan, prepare and execute NSAvM missions in support of joint-special operations forces while directly supporting theater special operations commanders by conducting night vision goggle (NVG) infiltration, exfiltration, resupply and other combat taskings on unimproved runways.

CURRENT SITUATION: Interim to this project, the units are collocated with the 919th Operations Group and Operations Support Squadron in building 3078. In this interim solution the new unit will only have 55 percent of their authorized square footage while the 919th SOW is also put on a situation where they don't have all their authorized space. The most recent facility usage survey for the 919th showed a deficit of 32,400 SF for existing units prior to sharing space with the new unit.

IMPACT IF NOT PROVIDED: Space deficits impact unit efficiency and subsequently the effectiveness in their support of Theater SOF commanders in their role in conducting NVG infiltration, exfiltration, resupply and other combat taskings on unimproved runways.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements." A preliminary analysis of reasonable options (status quo, upgrade, new construction) for accomplishing this project was done. It indicated this project is the preferred alternative. 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.

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 Complete as of January 2019	35%
(c) Design or RFP Complete:	Aug 2019
(d) Total Design Cost ($000)	1,650
(e) Energy Study and Life Cycle Analysis Performed	No
(f) Standard or definitive design used?	No
(3) Construction Data	
(a) Contract Award	Mar 2020

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
EGLIN AIR FORCE BASE AUXILIARY FIELD #3, FLORIDA	SOF COMBINED SQUADRON OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	141	FTFA163002	16,500

(b) Construction Start Jun 2020
(c) Construction Complete Mar 2022

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	2022	2,000
C4I Equipment	O&M, D-W	2022	368

Air Force Special Operations Command
Telephone: (850) 884-2869
This Headquarters has reviewed and validated the accuracy of the project justification.

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEF (USSOCOM)		MAR 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
NAVAL AIR STATION KEY WEST, FLORIDA	U.S. ARMY SPECIAL OPERATIONS COMMAND	0.93

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 20180901	4	49	7	6	84	0	0	0	0	150
b. END FY24	4	48	7	6	84	0	0	0	0	149

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	21.00
b. INVENTORY TOTAL AS OF 20180930	15,989.00
c. AUTHORIZATION NOT YET IN INVENTORY	0.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	16,000.00
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	31,989.00

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
213	SOF WATERCRAFT MAINTENANCE FACILITY	1,815 SM (19,500 SF)	16,000	09/18	12/19

9. FUTURE PROJECTS

NONE					

10. MISSION OR MAJOR FUNCTIONS

Naval Air Station Key West hosts more than 30 tenant commands working to support operational and readiness requirements for Department of Defense, Department of Homeland Security, National Guard Units, federal agencies, and allied forces.
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 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
NAVAL AIR STATION KEY WEST, FLORIDA	SOF WATERCRAFT MAINTENANCE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	213	79457	16,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				**13,619**
WATERCRAFT MAINTENANCE FAC (CC 21330) (19,500 SF)	SM	1,8505	6,939	(12,837)
SUSTAINABILITY AND ENERGY FEATURES	LS	--	--	(25)
BUILDING INFORMATION SYSTEMS	LS	--	--	(50)
CYBERSECURITY	LS	--	--	(707)
SUPPORTING FACILITIES		--	--	**781**
ROADS, SIDEWALKS, AND PARKING	LS	--	--	(215)
SITE IMPROVEMENTS	LS	--	--	(50)
SPECIAL CONSTRUCTION FEATURES	LS	--	--	(50)
UTILITIES	LS	--	--	(75)
AT/FP/PHYSICAL SECURITY MEASURES	LS	--	--	(216)
ENVIRONMENTAL PROTECTION MEASURES	LS	--	--	(175)

ESTIMATED CONTRACT COST				14,400
CONTINGENCY (5%)				720

SUBTOTAL				15,120
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				862

SUBTOTAL				15,982

TOTAL REQUEST				15982
TOTAL REQUEST (ROUNDED)				16,000
EQUIPMENT FROM OTHER APPROPRIATIONS				(798)

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a single story Watercraft Maintenance Facility to include administrative space, storage space, shop space, boat maintenance bays, soft-hulled craft storage and motor testing, and storage for battery and flammable materials. Construction will consist of concrete pile foundations, poured-in-place concrete frames with reinforced concrete masonry unit walls. Built-in building systems will include fire alarm/mass notification system, fire suppression system, advanced unclassified and classified communications networks, closed circuit surveillance and electronic access control systems infrastructure and equipment installation, integrated commercial intrusion detection system infrastructure and equipment installation, protected cable path, and connection to the energy management control system. 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. Supporting facilities include utilities (electrical, water, sanitary sewer, and information systems distribution), lighting, vehicle parking, ramp, storm drainage, landscaping, and other

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
NAVAL AIR STATION KEY WEST, FLORIDA	SOF WATERCRAFT MAINTENANCE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	213	79457	16,000

site improvements. Appropriate cybersecurity measures will be applied to the facility-related control systems in accordance with current Department of Defense criteria. Special construction features include foundations, installed dry dock. Services for Comprehensive Interior Design, and design of electronic security and audio visual systems.

11. Requirement: 1,850 SM (19,900 SF) **Adequate:** 0 SF **Substandard:** 474 SM (5,100 SF)

PROJECT: Construct a Watercraft Maintenance Facility.

REQUIREMENT: This project is required to support U.S. Army John F. Kennedy Special Warfare Center and School's combat diver training courses by providing maintenance support for hard- hulled and soft-hulled watercraft used during specialized diver training. The facility provides boat storage during hurricane conditions.

CURRENT SITUATION: The current Watercraft Maintenance Facility is undersized and outdated. Corroded and rusted structural steel columns and beams make replacement more economical than repair. Sufficient maintenance bay space and supporting shop spaces are inadequate to perform required repairs. Storage, adequate climate control, and security measures are inadequate. The facility does not meet current federal energy and sustainability mandates.

IMPACT IF NOT PROVIDED: Continuing to use inadequate and undersized facilities affects the ability of maintenance personnel to maintain the various watercraft supporting the training mission of the Special Forces Underwater Operations program. The substandard maintenance environment will continue to hamper training by causing curriculum work-arounds and delays. Continuing required maintenance and repair of the facility's failing systems creates unsafe training conditions.

ADDITIONAL: Alternative methods of meeting this requirement have been explored during project development and this project is the only feasible option. This project shall be designed and constructed in accordance with DoD Building Code (General Building Requirements); Installation Architectural Compatibility Plan; other applicable DoD and Navy Regulations; and applicable U.S. 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. Site planning and improvements will preserve as much natural vegetation as possible, subject to the provisions of the Naval Air Station Key West Installation Appearance Guide. The project is located in a coastal floodplain. The project site flood vulnerability determination has been accomplished by the installation and will be part of the project planning process.

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: Sep 2018

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
NAVAL AIR STATION KEY WEST, FLORIDA	SOF WATERCRAFT MAINTENANCE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	213	79457	16,000

(b) Percent of Design Completed as of Jan 2019 — 35%
(c) Design or RFP Complete — Dec 2019
(d) Total Design Cost ($000) — 1,100
(e) Energy Study and Life Cycle Analysis Performed — No
(f) Basis of design standard or definitive? — Yes

(3) Construction Data:
(a) Contract Award: — Mar 2020
(b) Construction Start: — Jun 2020
(c) Construction Complete: — Jan 2022

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	2022	306
C4I Equipment	O&M, D-W	2022	176
C4I Equipment	PROC, D-W	2022	316

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEF (USSOCOM)		MAR 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
JOINT BASE PEARL HARBOR-HICKAM, HAWAII	NAVAL SPECIAL WARFARE COMMAND	2.28

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 20180930	74	397	54	0	0	0	0	0	0	525
b. END FY24	74	408	51	0	0	0	0	0	0	533

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	25
b. INVENTORY TOTAL AS OF 20180930	75,015
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	67,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	10,798
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	153,513

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
171	SOF UNDERSEA OPERATIONAL TRAINING FACILITY	5,110 SM (55,000 SF)	67,700	03/18	1/19

9. FUTURE PROJECTS

178	SOF INDOOR DYNAMIC SHOOTING FACILITY	1,626 SM (17,500 SF)	10,798		

10. MISSION OR MAJOR FUNCTIONS

The mission of Joint Base Pearl Harbor- Hickam is to provide, manage, and continuously improve the shore installation services that we deliver in support of Fleet, Fighter, and Family. Effectively direct the ashore battle space in support of Fleet Operations.

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 SAFETY DEFICIENCIES

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
JOINT BASE PEARL HARBOR – HICKAM, HAWAII	SOF UNDERSEA OPERATIONAL TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	171	P463	67,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				50,650
UNDERSEA OPERATIONAL TRAINING FACILITY (CC17120)(55,000 SF)	SM	5,110	9,472	(48,400)
ANTI-TERRORISM/FORCE PROTECTION	LS	--	--	(700)
BUILT-IN EQUIPMENT	LS	--	--	(250)
SPECIAL COSTS	LS	--	--	(400)
OPERATION AND MAINTENANCE SUPPORT INFO (OMSI)	LS	--	--	(150)
SUSTAINABILITY AND ENERGY FEATURES	LS	--	--	(250)
CYBERSECURITY MEASURES	LS	--	--	(500)
SUPPORTING FACILITIES				7,960
UTILITIES	LS	--	--	(1,600)
SITE PREPARATION	LS	--	--	(1,950)
ROADS, SIDEWALKS AND PARKING	LS	--	--	(410)
SITE IMPROVEMENTS	LS	--	--	(1,800)
SPECIAL FOUNDATION FEATURES	LS	--	--	(2,200)

ESTIMATED CONTRACT COST				58,610
CONTINGENCY (5%)				2,931

SUBTOTAL				61,541
SUPERVISION, INSPECTION AND OVERHEAD (6.2%)				3,816

SUBTOTAL				65,356
DESIGN/BUILD - DESIGN COST (4%)				2,344

TOTAL REQUEST				67,700
TOTAL REQUEST (ROUNDED)				67,700
EQUIPMENT FROM OTHER APPROPRIATIONS				(3,597)

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Constructs an Undersea Operational Training Facility to support Naval Special Warfare Group THREE (NSWG3) SEAL Delivery Vehicle Team ONE (SDVT1) and the Naval Special Warfare Center (NSWCEN) Advanced Training Command (ATC). Facility will support a variety of functions including undersea vehicle training tank, applied instruction, administrative, and operational gear storage. Construction consists of Concrete Masonry Unit with a pile foundation, slab on grade and a single ply roof. Special costs include conduit for Physical Security Equipment (PSE). Built-in equipment includes a passenger/freight elevator. Project includes all pertinent site preparations and site improvements, mechanical and electrical utilities, telecommunications, emergency generator, landscaping, irrigation, drainage, parking and exterior lighting. 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-

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
JOINT BASE PEARL HARBOR – HICKAM, HAWAII	SOF UNDERSEA OPERATIONAL TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	171	P463	67,700

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. Appropriate cybersecurity measures will be applied to the facility-related control systems in accordance with current DoD criteria.

11. Requirement: 5,110 SM (55,000 SF) **Adequate:** 0 SM **Substandard:** 0 SM

PROJECT: Constructs an undersea operational training facility to support NSWG3 SDVT1 and the NSWCEN ATC.

REQUIREMENT: NSWG3 conducts Naval Special Warfare (NSW) operations involving undersea mobility platforms and supports national taskings, operations plan execution, exercises and other global operations as directed by USSOCOM. The NSWCEN ATC provides individual skills training to the NSW community. The NSWCEN ATC Detachment Hawaii provides advanced training on operation and maintenance of SDVs and Shallow Water Combat Submersibles (SWCS).

CURRENT SITUATION: In February 2008, the USSOCOM Board of Directors approved the NSWC recommended reorganization of the Undersea Enterprise. Key recommendations included the relocation of NSWG3 from Coronado to Pearl Harbor, the growth of SDVT1, disestablishment of SDVT2, creation of NSWG3 Detachment Little Creek and the relocation of the NSWCEN SDV Training School from Panama City to Pearl Harbor. In addition, internal organizational changes have resulted in the creation of three additional Echelon IV Commands: NSWG3 Training Detachment (TRADET) THREE, NSWG3 Logistics Support Unit THREE and NSWCEN ATC Detachment Hawaii. ATC Detachment Hawaii and TRADET THREE are currently accommodated in Building 995, an undersized and poorly configured facility. Additional modular facilities currently support ATC Detachment Hawaii training requirements. Building 995 is inadequate to accommodate TRADET THREE Unit Level Training and advanced training requirements. Project is integral to the phased capital improvements plan at Pearl Harbor to implement the reorganization of the NSW Undersea Enterprise.

IMPACT IF NOT PROVIDED: If this project is not provided, TRADET THREE and ATC Detachment Hawaii 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 mission planning. Direct impacts to ULT and advanced training with SDV's and SWCS. Gear and equipment that should be stored in a climate controlled environment will continue to be stored in MILVANS and CONEX boxes, degrading equipment more rapidly and increasing lifecycle replacement costs. Continued fragmentation will reduce organizational effectiveness and operational efficiencies.

ADDITIONAL: Alternative methods of meeting this requirement have been explored during project development and this is the only feasible option. This project is in compliance with current seismic requirements. Flood vulnerability determination for Naval Special Warfare Command projects has been accomplished by Joint Base Pearl Harbor - Hickam and is part of the project planning process.

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 2020 MILITARY CONSTRUCTION PROJECT DATA** *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
JOINT BASE PEARL HARBOR – HICKAM, HAWAII	SOF UNDERSEA OPERATIONAL TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	171	P463	67,700

12. Supplemental Data:

A. Estimated Execution Data:

(1) Acquisition Strategy:	Design Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	Mar 2018
(b) Percent of Design Completed as of Jan 2019:	35%
(c) Design or RFP Complete:	Jan 2019
(d) Total Design Cost ($000):	6,770
(e) Energy Study and/or Life Cycle Analysis Performed:	No
(f) Standard or Definitive Design Used:	No
(3) Construction Data:	
(a) Contract Award:	Mar 2020
(b) Construction Start:	Jun 2020
(c) Construction Complete:	Dec 2021

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	2021	1,542
C4I Equipment	O&M, D-W	2021	1,077
Collateral Equipment	PROC, D-W	2021	494
C4I Equipment	PROC, D-W	2021	484

Naval Special Warfare Command
Telephone: (619) 437-1050
This Headquarters has reviewed and validated the accuracy of the project justification.

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEF (USSOCOM)		MAR 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	U.S. MARINE CORPS FORCES SPECIAL OPERATIONS COMMAND	.97

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 20180930	321	1904	206	20	140	0	0	0	0	2591
b. END FY24	332	2179	196	20	140	0	0	0	0	2867

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	156,000
b. INVENTORY TOTAL AS OF 20180930	190,862
c. AUTHORIZATION NOT YET IN INVENTORY	110,085
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	13,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	6,228
f. PLANNED IN NEXT THREE PROGRAM YEARS	12,100
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	332,675

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
140	SOF MARINE RAIDER REGIMENT	2,788 SM (30,000 SF)	13,400	09/2018	09/2019

9. FUTURE PROJECTS

218	SOF PARALOFT EXPANSION	1,222 SM (13,150 SF)	6,228	9/2018	9/2019
171	SOF TRAINING TANK EXPANSION	3,170 SM (34,122 SF)	12,100		

10. MISSION OR MAJOR FUNCTIONS

The mission of Marine Corps Base Camp Lejeune is to operate a training base that promotes the combat readiness of the Operating Forces and the mission of other tenant commands by providing training opportunities, facilities, services and support that are responsive to the needs of Marines, Sailors and their families.
The mission of U.S. Marine Corps Forces Special Operations Command (MARSOC) is to recruit, organize, train, equip, educate, sustain, maintain combat readiness and deploy task organized, scalable and responsive U.S. Marine Corps Special Operations Forces (MARSOF) worldwide to accomplish Special Operations (SO) missions assigned by CDR USSOCOM, and/or Geographic Combatant Commanders (GCC) employing Special Operations Forces (SOF).

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION:	4. PROJECT TITLE:
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	SOF MARINE RAIDER REGIMENT HQ

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	140	P1395	13,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				10,738
HEADQUARTERS FACILITIES (CC143-09) (30,000 SF)	SM	2788	3,750	(10,455)
OPERATION AND MAINTENANCE SUPPORT INFO (OMSI)	LS	--	--	(28)
SUSTAINABILITY AND ENERGY FEATURES	LS	--	--	(98)
CYBERSECURITY MEASURES	LS	--	--	(157)
SUPPORTING FACILITIES				1,336
SPECIAL CONSTRUCTION FEATURES	LS	--	--	(176)
UTILITIES	LS	--	--	(239)
ROADS, SIDEWALKS AND PARKING	LS	--	--	(626)
SITE IMPROVEMENTS	LS	--	--	(176)
ENVIRONMENTAL MITIGATION	LS	--	--	(75)
AT/FP/PHYSICAL SECURITY MEASURES	LS	--	--	(45)

ESTIMATED CONTRACT COST				12,074
CONTINGENCY (5%)				604

SUBTOTAL				12,677
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				723

TOTAL REQUEST				13,400
TOTAL REQUEST (ROUNDED)				13,400
EQUIPMENT FROM OTHER APPROPRIATIONS				(4,530)

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Constructs 2,788 SM (30,000 SF) of Headquarters Facilities. Includes miscellaneous supporting structures, utilities, parking, roadways, pedestrian ways/sidewalks, and site work. The structures will be single-story steel frame buildings with brick veneer over metal studs, standing seam metal roofs, metal soffits, and translucent wall panels. Special construction features include soil surcharge loads, wetlands mitigation, and storm water best management practices. Electrical systems include primary power distribution, lighting, energy monitoring/control systems, intrusion detection system, telephone/data switch/server rooms, photovoltaic cells, electrical switch gear, transformers, circuits, and fire alarms. Mechanical systems include plumbing, fire protection, compressed air, dehumidification, air conditioning systems, and digital controls. Information systems include telephone, data, local area network, mass notification and intercom. Site work will include building utility systems, traffic control, parking, domestic water, fire protection water, sanitary sewer, sewage conveyance, propane gas networks, perimeter security fencing, gates, storm water management, fiber/copper communications, cable television, and area lighting. 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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION: MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	4. PROJECT TITLE: SOF MARINE RAIDER REGIMENT HQ		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	140	P1395	13,400

this project as appropriate. This project will provide Anti-Terrorism/Force Protection (AT/FP) features to comply 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. This project includes environmental mitigation for natural, cultural and environmental resources and Geospatial Data Surveying/Mapping.

11. Requirement: 2,788 SM (30,000 SF) **Adequate:** 0 SM **Substandard:** 0 SM

PROJECT: Construct a Regimental Headquarters facility for U.S. Marine Corps Forces Special Operations Command (MARSOC).

REQUIREMENT: The project is necessary to provide a purpose built facility for the Marine Raider Regiment (O-6 level Command). The project is a component of MARSOC's USSOCOM approved Military Construction Master Plan at the Stone Bay Complex. The Master Plan to complete MARSOC's required facilities has been progressively executed since the activation of MARSOC in 2006.

CURRENT SITUATION: The Marine Raider Regimental HQ is currently located in an interim facility that is required to support an Intel-Ops function. Current Intel-Ops functional space is densely populated. MARSOC has approved growth of 63 additional intel personnel arriving FY19-22.

IMPACT IF NOT PROVIDED: The project sequence for the build-out of the MARSOC Stone Bay Complex will be interrupted. Assets and operations awaiting completion of this project will remain in non-purpose built interim facilities. The facility designated to support the Intel-Ops function will remain encumbered by the Regiment until a purpose built facility is constructed. Command will have serious difficulty accommodating intel growth and improving conditions in current densely populated Intel-Ops spaces to support operations.

ADDITIONAL: Project construction is not within a designated 100-year floodplain. No flood mitigation measures are required.

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:	Sep 2018
(b) Percent of Design Completed as of Jan 2019:	35%
(c) Design or RFP Complete:	Sep 2019
(d) Total Design Cost ($000):	1,340
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Standard or definitive design used?	No
(3) Construction Data:	
(a) Contract Award:	Mar 2020
(b) Construction Start:	Jun 2020
(c) Construction Complete:	Mar 2022

1. COMPONENT	**FY 2020 MILITARY CONSTRUCTION PROJECT DATA** *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION: MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	4. PROJECT TITLE: SOF MARINE RAIDER REGIMENT HQ		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	140	P1395	13,400

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	2022	2,327
C4I Equipment	O&M, D-W	2022	1,215
Collateral Equipment	PROC, D-W	2021	632
C4I Equipment	PROC, D-W	2021	356

U.S. Marine Corps Forces Special Operations Command
Telephone: (910) 440-0725/0726
This Headquarters has reviewed and validated the accuracy of the project justification.

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEF (USSOCOM)		MAR 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
FORT BRAGG, NORTH CAROLINA	JOINT SPECIAL OPERATIONS COMMAND	0.89

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 20180930	327	721	649	0	0	0	0	0	0	1697
b. END FY24	407	983	760	0	0	0	0	0	0	2150

a. TOTAL ACREAGE (acre)	399
b. INVENTORY TOTAL AS OF 20180930	311,321
c. AUTHORIZATION NOT YET IN INVENTORY	91,397
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	29,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	16,850
f. PLANNED IN NEXT THREE PROGRAM YEARS	78,485
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	527,053

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
144	SOF OPERATIONS SUPPORT BUILDING	3,783 SM (40,760 SF)	29,000	07/2018	09/2019

9. FUTURE PROJECTS

171	SOF CLOSE QUARTERS COMBAT RANGE	2,973 SM (32,000 FS)	7,100		
140	SOF MILITARY WORKING DOG FACILITY	1,115 SM (18,000 SF)	9,750		
140	SOF OPERATIONS FACILITY	4,645 SM (75,000 SF)	40,000		
173	SOF BAFFLE CONTAINMENT FOR RANGE 19C	2,787 SM (30,000 SF)	6,948		
140	SOF ARMS ROOM ADDITION	975 SM (10,500 SF)	4,458		
140	SOF SERE TRAINING FACILITY	4,283 SM (46,100 SF)	13,168		
442	SOF DEPLOYMENT FACILITY	2,787 SM (30,000 SF)	8,911		
140	OPERATIONS BLDG	929 SM (10,000 SF)	5,000		

10. MISSION OR MAJOR FUNCTIONS

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. Fort Bragg Installation's mission is supporting and training of 18th Airborne Corps, major combat and combat support forces, special operations forces, reserve component training, and other tenant and 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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
FORT BRAGG, NORTH CAROLINA	SOF OPERATIONS SUPPORT BLDG

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000) (TNR9)
1140415BB	144	92594	29,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				24,190
OPERATIONS SUPPORT FACILITY (CC 14161)(40,760 SF)	SM	3,323	6,373	(21,177)
CYBERSECURITY MEASURES	LS	--	--	(980)
REDUNDANT POWER	LS	--	--	(82)
SUSTAINABILITY/ENERGY MEASURES	LS	--	--	(426)
ANTITERRORISM MEASURES	LS	--	--	(426)
BUILDING INFORMATION SYSTEMS	LS	--	--	(1,099)
				1,750
SUPPORTING FACILITIES				
ELECTRIC SERVICE	LS	--	--	(455)
WATER, SEWER, GAS	LS	--	--	(180)
STEAM AND/OR CHILLED WATER DISTRIBUTION	LS	--	--	(91)
PAVING, WALKS, CURBS AND GUTTERS	LS	--	--	(212)
STORM DRAINAGE	LS	--	--	(283)
SITE IMP (457) DEMO (45)	LS	--	--	(502)
INFORMATION SYSTEMS	LS	--	--	(27)

ESTIMATED CONTRACT COST				25,940
CONTINGENCY (5%)				1,297

SUBTOTAL				27,237
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,553

TOTAL REQUEST				28,790
TOTAL REQUEST (ROUNDED)				29,000
EQUIPMENT FROM OTHER APPROPRIATIONS				(12,483)

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct an Operations Support Facility built to Sensitive Compartmented Information (SCI) standards. Project includes command section with video teleconference room, life support area with gear storage room, covered loading dock, night vision goggle office, night vision testing and equipment room, training room, service area, armory, flight operations support room with equipment lockers, mission support flight area, equipment maintenance area, intelligence area with augmentee holding area, office areas, gear storage, planning and training area, standards and evaluations area, language training area with one-roof lab and flight chief, flight leader area, operations and scheduling area with private and open office areas, special access program area, training area, security office, medical area with offices, exam room, and drug storage area, operations center with private offices, auditorium, heritage/break room, equipment locker area, entrance lobby area, lactation room, latrines with showers and lockers, janitor closets, electrical room, mechanical room, and

1. COMPONENT	**FY 2020 MILITARY CONSTRUCTION PROJECT DATA** *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
FORT BRAGG, NORTH CAROLINA	SOF OPERATIONS SUPPORT BLDG

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140415BB	144	92594	29,000

communication/server rooms. Project includes information systems, mass notification system, Cyber Security, fire protection, detection, and alarm systems. Project also provides an elevator; uninterruptable power source for critical areas; emergency standby power for the entire facility; raised floor system; redundant chiller for the server room; intrusion detection system and closed circuit television installation; cypher locks; and sound attenuation around the command suite and command suite conference room. Supporting facilities include utility services and connection (electrical, water, sanitary sewer, and natural gas); security lighting; GOV parking; POV parking; service drives; walks, curbs and enable building panels to be connected to the utility system and the utility system is not owned by the government. Connect to energy monitoring and control system. Provide sustainability/energy measures and building information systems. Access for individuals with disabilities will be provided. Building will be fully conditioned. Heating and air conditioning will be provided by self-contained systems. Appropriate cybersecurity measures will be applied to the facility-related control systems in accordance with current Department of Defense criteria.

11. Requirement: 3,783 SM (40,760 SF) **Adequate:** 0 SM (0 SF) **Substandard:** 3,323 SM (35,960SF)

PROJECT: Construct an Operations Support Facility built to SCI standards.

REQUIREMENT: This project is required to meet the growth and transformation of this unit. Existing facilities no longer have the capacity and capability to support mission requirements. The permanent facility is required with adequate secure communications, force protection, storage, training space and mission response capabilities. Current and projected future mission requirements require a secure facility that meets occupancy and other code specifications while allowing for reconfiguration within the programmed space, as necessary, to meet adaptive internal space requirements within a permanent structure. Moreover, this growth cannot be accommodated in existing facilities nor can mission objectives be met.

CURRENT SITUATION: The unit currently operates out of three (3) separate facilities; Building 3-1854 a modular facility, Building 3-3352 and Building 3-3139. Medical offices are in Building 3-1854 with the medical exam rooms in Building 3-3139. The modular facility does not meet current building codes for occupancy and was utilized only as a temporary space until a permanent facility could be constructed. Shift work and matrixing of personnel among associated units have been evaluated but neither alternative provides a workable solution as this unit has a one hour response mandate.

IMPACT IF NOT PROVIDED: If this project is not provided, mission planning, training, and maintenance will continue to be conducted in an unsatisfactory environment creating mission planning inefficiencies, loss of training and training opportunities, time, and morale, resulting in loss of support to the warfighter and assigned mission(s).

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. Storm water management Low Impact Development will be included in the project as appropriate. Sustainable principles will be integrated into the design, development, and construction of the project. Project site is located above the 100-year flood plain; flood mitigation measures will be applied as necessary.

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 2020 MILITARY CONSTRUCTION PROJECT DATA** *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
FORT BRAGG, NORTH CAROLINA	SOF OPERATIONS SUPPORT BLDG

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140415BB	144	92594	29,000

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 Jan 2019	50%
(c) Design or RFP Complete:	Sep 2019
(d) Total Design Cost ($000):	2,900
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Standard or definitive design used:	No
(3) Construction Data	
(a) Contract Award:	Jun 2020
(b) Construction Start:	Sep 2020
(c) Construction Complete:	Mar 2022

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	2022	3,000
C4I Equipment	PROC, D-W	2022	9,083
C4I Equipment	O&M, D-W	2022	400

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

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEF (USSOCOM)		MAR 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
FORT BRAGG, NORTH CAROLINA	U.S. ARMY SPECIAL OPERATIONS 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 20180930	1820	7792	1354	2304	11832	24	0	0	0	25126
b. END FY24	1819	7796	685	2840	12329	24	0	0	0	25493

7. INVENTORY DATA *($000)*	
a. TOTAL ACREAGE (acre)	162,029
b. INVENTORY TOTAL AS OF 20180930	941,974
c. AUTHORIZATION NOT YET IN INVENTORY	208,538
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	54,903
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	48,960
f. PLANNED IN NEXT THREE PROGRAM YEARS	339,438
g. REMAINING DEFICIENCY	392,000
h. GRAND TOTAL	1,985,813

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
171	SOF ASSESSMENT AND SELECTION TRAINING COMPLEX	2,658 SM (28,600 SF)	12,103	09/18	08/19
173	SOF HP-FORCE FACILITY	9,057 SM (97,500 SF)	43,000	06/18	09/19

9. FUTURE PROJECTS

140	SOF GROUP HEADQUATERS	8,920 SM (96,000 SF)	48,960	05/18	09/19
218	SOF TACTICAL EQUIPMENT MAINTENANCE FACILITY	1,200 SM (12,920 SF)	8,097		
140	SOF BATTALION OPERATIONS FACILITY	11,520 SM (124,000 SF)	41,000		
140	SOF MILITARY INTELLIGENCE BATTALION OPS FACILITY	6,225 SM (67,000 SF)	30,000		
153	SOF SUPPLY SUPPORT ACTIVITY	3,252 SM (35,000 SF)	7,925		
173	SOF MACKALL COMPANY OPERATIONS FACILITY	1,570 SM (16,900 SF)	12,248		
140	SOF TECHNICAL SUPPORT DETACHMENT ANNEX	2,090 SM (22,500 SF)	8,915		
140	SOF COMMAND AND CONTROL FACILITY	11,148 SM (120,000 SF)	58,811		
140	SOF USASOC HQ COMPLEX	18,190 SM (196,000 SF)	96,540		
140	SOF JOINT INTELLIGENCE CENTER	10,746 SM (116,000 SF)	56,100		
173	SOF MULTI-PURPOSE RANGE SUPPORT FACILITY	1,579 SM (17,000 SF)	7,426		
214	SOF VEHICLE MAINTENANCE FACILITY	2,295 SM (24,700 SF)	12,376		

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 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
FORT BRAGG, NORTH CAROLINA	SOF HUMAN PLATFORM-FORCE GENERATION FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	173	81165	43,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				**31,383**
LIMITED USE INSTRUCTIONAL BUILDING(CC17138)(97,500 SF)	SM	9,057	3,214	(29,109)
BUILDING INFORMATION SYSTEMS	LS	--	--	(807)
SUSTAINABILITY AND ENERGY FEATURES	LS	--	--	(608)
CYBERSECURITY MEASURES	LS	--	--	(859)
SUPPORTING FACILITIES				**7,361**
UTILITIES	LS	--	--	(2,852)
SITE IMPROVEMENTS AND DEMOLITION (59,498 SF)	LS	--	--	(2,525)
ROADS, SIDEWALKS AND PARKING	LS	--	--	(1,796)
PASSIVE FORCE PROTECTION MEASURES	LS	--	--	(188)

ESTIMATED CONTRACT COST				38,744
CONTINGENCY (5%)				1,937

SUBTOTAL				40,681
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				2,318

TOTAL REQUEST				42,999
TOTAL REQUEST (ROUNDED)				43,000
EQUIPMENT FROM OTHER APPROPRIATIONS				5,677

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Constructs a multi-story facility with administrative, cardio/strength/nutrition training, physical/hydro therapy for special operations students. Facility will also include additional space for cognitive enhancement performance, human engagement and adaptive thinking training. Construction consists of concrete foundation and floor slab with metal frame structure. Built-in building systems will include fire alarm/mass notification, fire suppression, energy management control, telephone and advanced unclassified and classified communications networks, cable TV, intrusion detection, closed circuit surveillance, and electronic access control systems and a hardened protected distribution system. 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. Supporting facilities include site preparation, utilities (electrical, water, gas, sanitary sewer, chilled water, and information systems distribution), lighting, vehicle parking, access drives, curb and gutter, sidewalks, storm drainage, landscaping, roads, demolition of 59,498 SF of existing facilities, and other site improvements. Appropriate cybersecurity measures will be applied to the facility-related control systems in accordance with current DoD criteria. Access for persons with disabilities will be provided.

11. Requirement: 9,057 SM(97,500 SF) **Adequate:** 0 SM **Substandard:** 0 SM

PROJECT: Construct a Human Platform-Force Generation Facility for JFKSWCS.

1. COMPONENT	**FY 2020 MILITARY CONSTRUCTION PROJECT DATA** *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
FORT BRAGG, NORTH CAROLINA	SOF HUMAN PLATFORM-FORCE GENERATION FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	173	81165	43,000

REQUIREMENT: SWCS requires a training facility to support student assessments, introductions, and developmental course on strength, conditioning, and rehabilitation training; to maintain optimum health and performance; and to promote faster rehab after training. The facility will also train students on additional emerging human engagement and adaptive thinking, special operations cognitive enhancement; and performance techniques to develop resilient students capable of executing mentally and physically demanding operations throughout their entire career.

CURRENT SITUATION: Currently no permanent facilities exist to accommodate this program which is operating in multiple under sized and temporary configured rooms. SWCS does not have the infrastructure to prepare students for the physically demanding instructions required to meet recruitment goals.

IMPACT IF NOT PROVIDED: If this project is not provided, JFKSWCS will continue to operate out of diverted classrooms. SWCS will note be able to provide the improved training, rehabilitation protocols, and resilience services required to prepare soldiers to meet current operational tempo and battlefield requirements

ADDITIONAL: Alternative methods of meeting this requirement have been explored during project development and this project is the only feasible option. This project shall be designed and constructed in accordance with UFC 1-200-01, DOD Building Code (General Building Requirements); Installation Architectural Compatibility Plan; other applicable DOD and Army Regulations and UFCs; and applicable U.S. 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; 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:	Jun 2018
(b) Percent of Design Completed as of Jan 2019:	35%
(c) Design or RFP Complete:	Sep 2019
(d) Total Design Cost ($000):	4,127
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Basis of design standard or definitive?	Yes
(3) Construction Data:	
(a) Contract Award:	Jun 2020
(b) Construction Start:	Sep 2020
(c) Construction Complete:	Mar 2022

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
FORT BRAGG, NORTH CAROLINA	SOF HUMAN PLATFORM-FORCE GENERATION FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	173	81165	43,000

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	2022	4,283
C4I Equipment	O&M, D-W	2022	498
C4I Equipment	PROC, D-W	2022	896

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
FORT BRAGG, NORTH CAROLINA	SOF ASSESSMENT AND SELECTION TRAINING COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	171	86021	12,103

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				**8,366**
GENERAL INSTRUCTION BUILDING (CC 14132) (28,600SF)	SM	2,658	2,489	(6,616)
BUILDING INFORMATION SYSTEMS	LS	--	--	(500)
SUSTAINABILITY AND ENERGY FEATURES	LS	--	--	(500)
CYBERSECURITY	LS	--	--	(750)
SUPPORTING FACILITIES				**2,539**
UTILITIES	LS	--	--	(900)
ROADS, SIDEWALKS, AND PARKING	LS	--	--	(200)
SITE IMPROVEMENTS	LS	--	--	(564)
PASSIVE FORCE PROTECTION MEASURES	LS	--	--	(275)
AT/FP/PHYSICAL SECURITY MEASURES	LS	--	--	(250)
SPECIAL CONSTRUCTION FEATURES	LS	--	--	(100)
ENVIRONMENTAL PROTECTION MEASURES	LS	--	--	(250)
ESTIMATED CONTRACT COST				10,905
CONTINGENCY (5%)				545

SUBTOTAL				11,450
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				653

SUBTOTAL				12,103

TOTAL REQUEST				12,103
TOTAL REQUEST (ROUNDED)				12,103
EQUIPMENT FROM OTHER APPROPRIATIONS				798

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a Special Operation Forces (SOF) Assessment and Selection Training Building with two entry control points (ECPs) and new training obstacle course. This facility includes training space, storage space, locker rooms and showers, and building support space. New ECPs include pre- engineered guard houses, security gates, under vehicle surveillance systems, and all supporting communications, power, and water and sewer utilities. New training obstacle course include multiple physical training stations along a circuited route. Built-in building systems include fire alarm/mass notification, fire suppression, energy management control, telephone, advanced unclassified and classified communications networks, television, electronic access control systems, and a protected distribution system. Supporting facilities include site preparation, utilities (electrical, water, sanitary sewer, natural gas, chilled water, and information systems), lighting,

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
FORT BRAGG, NORTH CAROLINA	SOF ASSESSMENT AND SELECTION TRAINING COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	141	86021	12,103

vehicle parking, access drives and roads, curb and gutter sidewalks, storm drainage, landscaping, and other site improvements. Special construction features include soil surcharge loads, wetlands mitigation, and storm water best management practices. 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 systems in accordance with current DoD criteria. Access for persons with disabilities will be provided. Comprehensive interior design and audio visual services are included.

11. Requirement: 2,658 SM(28,600 SF) **Adequate:** 0 SF **Substandard:** 0 SF

PROJECT: Construct an Assessment and Selection Training Complex.

REQUIREMENT: Provides the United States Army John F. Kennedy Special Warfare Center and School (USAJFKSWCS) adequate permanent facilities and infrastructure at Fort Bragg for students attending the Assessment and Selection Course. The building also provides workspace for unit commanders, supporting staff and cadre.

CURRENT SITUATION: The 1st Special Warfare Training Group and battalions' headquarters are dispersed in various undersized buildings lacking adequate security, communications, heating, air conditioning and plumbing infrastructure. These facilities were constructed in the 1960s, some as barracks, and cannot be economically repaired or renovated to meet current mission requirements.

IMPACT IF NOT PROVIDED: Training group and battalion command elements will continue to operate in antiquated, substandard facilities that do not meet modern force structure, mission, Anti-terrorism/Force Protection, Accessibility Guidelines, and Occupational Safety Health Administration standards. Persistent O&M expenditure will be required to keep the buildings habitable.

ADDITIONAL: Alternative methods of meeting this requirement have been explored during project development and this project is the only feasible option. This project shall be designed and constructed in accordance with DoD Building Code (General Building Requirements), Fort Bragg Architectural Compatibility Plan; and other DoD and Army Regulations and applicable U.S Federal Environmental Laws and Regulations. This project will provide Antiterrorism/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, and updates as applicable. 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:	Sept. 2018
(b) Percent of Design Completed as of Jan 2019	35%
(c) Design or RFP Complete	Aug. 2019

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
FORT BRAGG, NORTH CAROLINA	SOF ASSESSMENT AND SELECTION TRAINING COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	141	86021	12,103

(d) Total Design Cost ($000) 1,740
(e) Energy Study and Life Cycle Analysis Performed No
(f) Basis of design standard or definitive? Yes
(3) Construction Data:
(a) Contract Award: Jun 2020
(b) Construction Start: Sep 2020
(c) Construction Complete: Mar 2022

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	2021	306
C4I Equipment	O&M, D-W	2021	176
C4I Equipment	PROC, D-W	2021	316

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEF (USSOCOM)		MAR 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
NAVAL AIR STATION, DAM NECK ANNEX, VIRGINIA BEACH, VIRGINIA	JOINT SPECIAL OPERATIONS COMMAND	0.95

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 20180930	171	1197	494	0	0	0	0	0	0	1862
b. END FY24	170	1197	494	0	0	0	0	0	0	1861

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	333
b. INVENTORY TOTAL AS OF 20180930	288,547
c. AUTHORIZATION NOT YET IN INVENTORY	12,900
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	12,770
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	21,900
f. PLANNED IN NEXT THREE PROGRAM YEARS	44,178
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	380,295

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
171	SOF DEMOLITION TRAINING COMPOUND	773 SM (8,317 SF)	12,770	02/18	07/19

9. FUTURE PROJECTS

140	SOF OPERATIONS BUILDING ADDITION	2,104 SM (22,640 SF)	14,400		
140	SOF OPERATIONS FACILITY RENOVATION	3,485 SM (37,500 SF)	7,500		
178	SOF MULTI-PURPOSE RANGE	15,000 SM (161,400 SF)	32,000		
171	SOF TRAINING FACILITY ADDITION	1,859 SM (20,000 SF)	12,178		

10. MISSION OR MAJOR FUNCTIONS

Develop, test and evaluate current and emerging technologies applicable to Naval Special Warfare forces. Also, to develop Maritime, Ground, and Airborne Tactics for Naval Special Warfare and possible Department of Defense application. Anticipate, develop, and provide the most effective specialized training and support services in response to the fleet requirements. Dam Neck Installation's mission is to attain the highest levels of fleet readiness, we anticipate, develop, and provide the most effective specialized training and support services in response to fleet requirements. The installation fosters a command culture that encourages personal and professional growth, empowerment and innovation.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAS OCEANA, DAM NECK ANNEX VIRGINIA BEACH, VA	SOF DEMOLITION TRAINING COMPOUND EXPANSION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000) (TNR9)
1140415BB	171	P824	12,770

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				7,820
RANGE SUPPORT FACILITY (CC 17311)(7,457 SF)	SM	693	8,460	(5,860)
LIVE GRENADE TRAINER (CC 17810) (860 SF)	SM	80	1,821	(150)
BUILT-IN EQUIPMENT CYBER	LS	--	--	(150)
SECURITY FEATURES	LS	--	--	(100)
ANTI-TERRORISM/FORCE PROTECTION	LS	--	--	(160)
OPERATIONS & MAINTENANCE SUPP INFO (OMSI)	LS	--	--	(60)
SUSTAINABILITY AND ENERGY FEATURES	LS	--	--	(440)
SPECIAL COSTS	LS	--	--	(900)
SUPPORTING FACILITIES		--	--	4,260
ELECTRICAL UTILITIES	LS	--	--	(500)
MECHANICAL UTILITIES	LS	--	--	(520)
PAVING AND STIE IMPROVEMENTS	LS	--	--	(1,930)
SITE PREPARATION	LS	--	--	(670)
DEMOLITION (2425 SF)	LS	--	--	(90)
ENVIRONMENTAL MITIGATION	LS	--	--	(550)

ESTIMATED CONTRACT COST				11,505
CONTINGENCY (5%)				575

SUBTOTAL				12,080
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				690

TOTAL REQUEST				12,770
TOTAL REQUEST (ROUNDED)				12,770
EQUIPMENT FROM OTHER APPROPRIATIONS				(3,359)

10. DESCRIPTION OF PROPOSED CONSTRUCTION: The SOF Demolition Training Compound (DTC) Complex Expansion project will construct a two-story, range support facility outside the current fenced compound to release more area within the compound to support training facilities. The new building will house the charge construction room, a new shop for target fabrication area and warehouse space on the ground floor. The second floor will house a classroom and a new range control room with a 270-degree view over the compound, space for communications and monitoring equipment. The building will be constructed of shallow reinforced concrete foundations, concrete slab on grade, load bearing reinforced concrete masonry walls, reinforced concrete second floor, and steel joist roof with steel decking. Fire protection will include a fire alarm/mass notification system, a wet pipe sprinkler system and a fire pump.

A new cast-in place reinforced concrete grenade training facility structure will be constructed in the vicinity of the old range control tower with reinforced concrete containment wall around the structure for limiting the spread of fragmentation.

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
NAS OCEANA, DAM NECK ANNEX VIRGINIA BEACH, VA	SOF DEMOLITION TRAINING COMPOUND EXPANSION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140415BB	171	P824	12,770

The Training Structure will consist of two rooms with door and window openings, sloped floors and a concrete roof. Sacrificial slabs of shock absorbing concrete material will line the inside of the training structure's walls to limit fragmentation and ricochets. The underside of the roof slab will be clad in steel. Information systems include basic telephone, computer network, fiber optic, cable television, security, closed quarters combat recording system, and fire alarm systems and infrastructure. Data backbone fiber will be installed back to building 358 for network connectivity.

Facility-related control systems include cybersecurity features in accordance with current Department of Defense (DoD) criteria. This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security in accordance with DoD Minimum Anti-Terrorism Standards for Buildings. Built-in equipment includes an air compressor for shop equipment and a flagpole for display of operational warning flags for each range. Sustainable design principles will be included in the design and construction of the project in accordance with High Performance and Sustainable Building Requirements. Appropriate cyber- security measures will be applied to the facility-related control systems in accordance with current DoD criteria.

Site improvements will include clearing of open space outside the fenced compound to accommodate storage area, construction of a concrete pad adjacent to the two-story building to support the movement of materials between the building and the remainder of the compound and the construction of paved vehicle parking spaces adjacent to the entrance roadway outside of the compound. Paving and site improvement include grading, parking, roadways, curbs, sidewalks, landscaping, fencing, signs and storm water drainage features. Electrical utilities include primary and secondary distribution systems, lighting, transformers, and telecommunications infrastructure. Mechanical utilities include heating, ventilation and air conditioning, water lines, plumbing and plumbing fixtures, sanitary sewer lines, fire protection systems and supply lines. A sanitary sewer force main and lift station will be required as well as upgraded site water lines. Facility includes Low Impact Development features and premiums and storm water management plan for site developments. Demolition includes the removal of a two-story control tower (35 M2) and a one-story range support workshop (251 M2) fencing and concrete pavement.

11. REQUIREMENT: 773 SM (8,317 SF) **ADEQUATE:** 0 **SUBSTANDARD:** 0

PROJECT: This project will expand the existing DTC for Naval Special Warfare Development Group at NAS Oceana Dam Neck, Virginia. The addition includes a grenade training facility, frames for testing breaching techniques, courtyard walls of varying heights around the existing trainers, and construction of a new multipurpose building to accommodate shop, warehousing, educational and administrative spaces with range control room.

REQUIREMENT: Safe and properly designed facilities are required for Naval Special Warfare Development Group to conduct demolition training. This training complex will allow NSWDG operators to rehearse breaching and assault techniques.

CURRENT SITUATION: The existing DTC at NAS Oceana Dam Neck Annex needs additional breaching and assault facilities, grenade training facility and a range support facility to meet SOF specific training requirements.

IMPACT IF NOT PROVIDED: Without expanding the DTC, NSWDG have reduced capability to support Research, Development, Test, and Evaluation of SOF specific breaching and assault techniques as they apply to continuously evolving combat systems, equipment, tactics and techniques. No ability to conduct

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
NAS OCEANA, DAM NECK ANNEX, VIRGINIA, BEACH, VA	SOF DEMOLITION TRAINING COMPOUND EXPANSION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140415BB	171	P824	12,770

grenade training.

ADDITIONAL: Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to satisfy the requirement. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Storm water management Low Impact Development will be included in the 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 DoD Minimum Anti-Terrorism Standards for Buildings. Project site is located above the 100-year flood plain; flood mitigation measures will be applied as necessary.

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 2018
(b) Percent of Design Completed as of Jan. 2019:	50%
(c) Design or RFP Complete:	Jul 2019
(d) Total Design Cost ($000):	886
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Standard or definitive design used:	No
(3) Construction Data	
(a) Contract Award:	Jun 2020
(b) Construction Start:	Sep 2020
(c) Construction Complete:	Apr 2022

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	O&M, D-W	2021	134
Collateral Equipment	O&M, D-W	2021	850
PSE/IDS	PROC, D-W	2021	575
Closed quarter Combat Recording System	PROC, D-W	2022	1,800

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

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE (YYYY MMDD)
DEF (USSOCOM)		MAR 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
JOINT EXPEDITIONARY BASE LITTLE CREEK-FORT STORY, VIRGINIA	NAVAL SPECIAL WARFARE COMMAND	0.95

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 20180930	474	2690	221	0	0	0	0	0	0	3385
b. END FY24	516	2996	234	0	0	0	0	0	0	3746

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	200
b. INVENTORY TOTAL AS OF 20180930	308,624
c. AUTHORIZATION NOT YET IN INVENTORY	24,196
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	45,604
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	84,700
f. PLANNED IN NEXT THREE PROGRAM YEARS	51,050
g. REMAINING DEFICIENCY	141,296
h. GRAND TOTAL	655,470

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
140	SOF NSWG-10 OPERATIONS SUPPORT FACILITY	4,273 SM (46,000 SF)	32,600	03/18	1/19
171	SOF NSWG2 JSOTF OPS TRAINING FACILITY	1,207 SM (13,000 SF)	13,004	03/18	1/19

9. FUTURE PROJECTS

140	SOF NSWG-2 NSWTG COMBAT SERVICE SUPPORT FACILITY	9,290 SM (100,000 SF)	48,000		
159	SOF DRY COMBAT SUBMERSIBLE OPS FACILITY	5,110 SM (55,000 SF)	36,700		
171	SOF TRADET TWO OPERATIONS FACILITY	4,459 SM (48,000 SF)	25,900		
143	SOF COMBATANT CRAFT OPERATIONS FACILITY	3,716 SM (40,000 SF)	20,650		
151	SOF NSWG-4 FINGER PIERS	149 SM (1,600 SF)	4,500		

10. MISSION OR MAJOR FUNCTIONS

The mission of Joint Expeditionary Base Little Creek-Fort Story is to provide premier support and services to our resident commands and our military and civilian personnel and their families in order to enable our warfighting forces to execute their assigned missions. 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 SAFETY DEFICIENCIES

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
JOINT EXPEDITIONARY BASE LITTLE CREEK-FORT STORY, VIRGINIA	SOF NSWG-10 OPERATIONS SUPPORT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	140	P224	32,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				25,624
OPERATIONS SUPPORT FACILITY (CC 143-80) (46,000 SF)	SM	4,273	5,610	(23,970)
ANTI-TERRORISM/FORCE PROTECTION	LS	--	--	(374)
BUILT-IN EQUIPMENT	LS	--	--	(200)
SPECIAL COSTS	LS	--	--	(180)
OPERATION AND MAINTENANCE SUPPORT INFO (OMSI)	LS	--	--	(150)
SUSTAINABILITY AND ENERGY FEATURES	LS	--	--	(350)
CYBERSECURITY MEASURES	LS	--	--	(400)
SUPPORTING FACILITIES				2,728
UTILITIES	LS	--	--	(600)
SITE PREPARATION	LS	--	--	(350)
ROADS, SIDEWALKS AND PARKING	LS	--	--	(448)
SITE IMPROVEMENTS	LS	--	--	(500)
SPECIAL FOUNDATION FEATURES	LS	--	--	(580)
DEMOLITION (8,400 SF)	LS	--	--	(250)
ESTIMATED CONTRACT COST				28,352
CONTINGENCY (5%)				1,418

SUBTOTAL				29,770
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,697

SUBTOTAL				31,467
DESIGN/BUILD - DESIGN COST (4%)				1,134

TOTAL REQUEST				32,601
TOTAL REQUEST (ROUNDED)				32,600
EQUIPMENT FROM OTHER APPROPRIATIONS				(3,900)

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Constructs an operations support facility for Naval Special Warfare Group TEN (NSWG10). Demolishes Building CB-315, approximately 780 SM (8,400 SF). Construction consists of Concrete Masonry Unit with a pile foundation, slab on grade and a single ply roof. Special costs include conduit for Physical Security Equipment. Built-in equipment includes a passenger/freight elevator. Project includes all pertinent site preparations and site improvements, mechanical and electrical utilities, telecommunications, emergency generator, landscaping, irrigation, drainage, parking and exterior lighting. 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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
JOINT EXPEDITIONARY BASE LITTLE CREEK-FORT STORY, VIRGINIA	SOF NSWG-10 OPERATIONS SUPPORT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	140	P224	32,600

Protection (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: 4,273 SM (46,000 SF) **Adequate:** 0 SM **Substandard:** 2,323 SM (25,000 SF)

PROJECT: Constructs an operations support facility for NSWG10.

REQUIREMENT: NSWG10 is responsible to organize, man, train, educate, equip, support and deploy special capabilities to perform Intelligence, Surveillance, and Reconnaissance (ISR) and Preparation of the Environment (PE) activities in support of Combatant Commanders and other mission partners.

CURRENT SITUATION: NSWG10 is currently utilizing a temporary modular facility constructed in the high bay of the Special Reconnaissance Team TWO (SRT2) operations facility. This temporary facility lacks windows and natural daylight and water and sewer. NSWG10 is also utilizing additional space in the SRT2 operations facility, further reducing ISR and PE capabilities of SRT2.

IMPACT IF NOT PROVIDED: Personnel assigned to NSWG10 will continue to occupy a windowless, waterless, temporary facility impacting quality of life. Occupying additional space in the SRT2 operations facility will continue to degrade ISR and PE capabilities.

ADDITIONAL: Alternative methods of meeting this requirement have been explored during project development and this is the only feasible option. This project is in compliance with current seismic requirements. Flood vulnerability determination for Naval Special Warfare Command projects has been accomplished by Joint Expeditionary Base Little Creek-Fort Story and is part of the project planning process.

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:	Mar 2018
(b) Percent of Design Completed as of Jan 2019:	35%
(c) Design or RFP Complete:	Jan 2019
(d) Total Design Cost ($000):	3,260
(e) Energy Study and/or Life Cycle Analysis Performed:	No
(f) Standard or Definitive Design Used:	No
(3) Construction Data:	
(a) Contract Award:	Mar 2020
(b) Construction Start:	Jun 2020
(c) Construction Complete:	Dec 2022

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
JOINT EXPEDITIONARY BASE LITTLE CREEK-FORT STORY, VIRGINIA	SOF NSWG-10 OPERATIONS SUPPORT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	140	P224	32,600

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	2021	1,700
C4I Equipment	O&M, D-W	2021	1,200
Collateral Equipment	PROC, D-W	2021	400
C4I Equipment	PROC, D-W	2021	600

Naval Special Warfare Command
Telephone: (619) 437-1050
This Headquarters has reviewed and validated the accuracy of the project justification.

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
JOINT EXPEDITIONARY BASE LITTLE CREEK-FORT STORY, VIRGINIA	SOF NSWG2 JSOTF OPERATIONS TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	171	P999	13,004

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				10,265
JSOTF OPERATIONS TRAINING FACILITY (CC 17120) (13,000 SF)	SM	1,208	7,773	(9,390)
ANTI-TERRORISM/FORCE PROTECTION	LS	--	--	(275)
BUILT-IN EQUIPMENT	LS	--	--	(150)
SPECIAL COSTS	LS	--	--	(50)
OPERATION AND MAINTENANCE SUPPORT INFO (OMSI)	LS	--	--	(50)
SUSTAINABILITY AND ENERGY FEATURES	LS	--	--	(150)
CYBERSECURITY MEASURES	LS	--	--	(200)
SUPPORTING FACILITIES				1,044
UTILITIES	LS	--	--	(300)
SITE PREPARATION	LS	--	--	(120)
ROADS, SIDEWALKS AND PARKING	LS	--	--	(299)
SITE IMPROVEMENTS	LS	--	--	(225)
SPECIAL FOUNDATION FEATURES	LS	--	--	(100)

ESTIMATED CONTRACT COST				11,309
CONTINGENCY (5%)				565

SUBTOTAL				11,874
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				677

SUBTOTAL				12,551
DESIGN/BUILD - DESIGN COST (4%)				453

TOTAL REQUEST				13,004
TOTAL REQUEST (ROUNDED)				13,004
EQUIPMENT FROM OTHER APPROPRIATIONS				(2,200)

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Constructs a Joint Special Operations Task Force (JSOTF) Operations Training Facility for Naval Special Warfare Group TWO (NSWG2). Construction consists of Concrete Masonry Unit with a pile foundation, slab on grade and a single ply roof. Special costs include conduit for Physical Security Equipment. Built-in equipment includes a passenger/freight elevator. Project includes all pertinent site preparations and site improvements, mechanical and electrical utilities, telecommunications, emergency generator, landscaping, irrigation, drainage, parking and exterior lighting. 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 regulations and physical security mitigation in accordance with DoD minimum Anti-Terrorism

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
JOINT EXPEDITIONARY BASE LITTLE CREEK-FORT STORY, VIRGINIA	SOF NSWG2 JSOTF OPERATIONS TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	171	P999	13,004

Standards for Buildings. Appropriate cybersecurity measures will be applied to the facility-related control systems in accordance with current DoD criteria.

11. Requirement: 1,208 SM (13,000 SF) **Adequate:** 0 SM **Substandard:** 0 SM

PROJECT: Constructs a JSOTF Operations Training Facility for NSWG2.

REQUIREMENT: NSWG2 is responsible to man, train, equip, deploy and maintain East Coast SEAL Teams to meet the exercise, contingency, and wartime requirements of Regional Combatant Commanders, Theatre Special Operations Commands and numbered fleets around the world.

Naval Special Warfare (NSW) has been tasked with establishing a deployable O6-led "core" CJSOTF headquarters capable of providing command and control of U.S. and partner nation SOF across campaign, crisis, and contingency range of military operations. Force structure growth and the realignment of SEAL operators will enable NSWG1 and NSWG2 to provide a sustainable 1.0 "core" CJSOTF capability, and in the event of crisis, surge to a 2.0 capability for Operational Plan requirements within an acceptable level of risk to the force provider.

NSWG1's requirement for a JSOTF Operations Training Facility will be provided as part of the Coastal Campus Initiative and includes office space, gear stowage area, SCIF, and Joint Operations Center at the Sensitive Compartmented Information level. This project will provide a similar capability for NSWG2 at Joint Expeditionary Base Little Creek.

CURRENT SITUATION: The NSWG2 headquarters was not built for nor can it accommodate the force structure growth and realignment of SEAL operators in support of the "core" CJSOTF initiative.

IMPACT IF NOT PROVIDED: Without this expansion in capability and capacity, NSWG2 will be forced to implement a suboptimal, temporary, and disaggregated facility solutions which will increased risk and decrease force readiness for deployed forces.

ADDITIONAL: Alternative methods of meeting this requirement have been explored during project development and this is the only feasible option. This project is in compliance with current seismic requirements. Flood vulnerability determination for Naval Special Warfare Command projects has been accomplished by Joint Expeditionary Base Little Creek-Fort Story and is part of the project planning process.

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:	Mar 2018
(b) Percent of Design Completed as of Jan 2019:	35%
(c) Design or RFP Complete:	Jan 2019
(d) Total Design Cost ($000):	1,300
(e) Energy Study and/or Life Cycle Analysis Performed:	No
(f) Standard or Definitive Design Used:	No

(3) Construction Data:

(a) Contract Award:	Mar 2020
(b) Construction Start:	Jun 2020
(c) Construction Complete:	Dec 2021

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	2021	1,000
C4I Equipment	O&M, D-W	2021	750
Collateral Equipment	PROC, D-W	2021	150
C4I Equipment	PROC, D-W	2021	300

Naval Special Warfare Command
Telephone: (619) 437-1050
This Headquarters has reviewed and validated the accuracy of the project justification

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEF (USSOCOM)		MAR 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
JOINT BASE LEWIS MCCHORD, WASHINGTON	AIR FORCE SPECIAL OPERATIONS COMMAND	1.10

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 20180930	0	0	0	0	0	0	23	160	3	186
b. END FY24	0	0	0	0	0	0	29	204	3	236

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	14
b. INVENTORY TOTAL AS OF 20180930	26,434
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	47,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	21,140
h. GRAND TOTAL	95,274

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 22 STS OPERATIONS FACILITY	9,057 SM (97,500 SF)	47,700	12/17	08/19

9. FUTURE PROJECTS

NONE					

10. MISSION OR MAJOR FUNCTIONS

I Corps: On order, deploy to conduct operations across the military spectrum of conflict as a Joint Force Headquarters (Joint Task Force, Combined or Multi-National/Joint Force Land Component Command) or as an Army Corps. Maintain trained and ready forces for Combatant Commanders worldwide.
Team Lewis- McChord: Operate a state-of-the-art power generation platform for warfighters by providing them with superior training support and infrastructure. Train, deploy, and redeploy ready forces. Support the Transformation of I Corps and Joint Base
Lewis-McChord. Maintain the well-being of our Soldiers, civilians, retirees, and their families.
Tenant Special Operations Unit, 22nd Special Tactics Squadron, organizes, trains and equips special tactics forces to rapidly provide airmanship expertise to establish and control the air-to-ground interface in an objective area on short notice.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
JOINT BASE LEWIS MCCHORD, WASHINGTON	SOF 22 STS OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	141	PQWY083008	47,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				31,932
SQUADRON OPERATIONS (CC14145) (97,500 SF)	SM	9,057	3,375	(30,567)
CYBERSECURITY MEASURES	LS	--	--	(750)
SUSTAINABILITY AND ENERGY FEATURES	LS	--	--	(611)
SUPPORTING FACILITIES				11,047
UTILITIES	LS	--	--	(2,500)
SITE IMPROVEMENTS	LS	--	--	(665)
PAVEMENTS	LS	--	--	(1,865)
COMMUNICATION	LS	--	--	(888)
INFORMATION TRANSFER NODE COMM BUILDING (1000 SF)	SM	93	9,817	(913)
GENERATOR	EA	1	136,000	(136)
AT/FP/PHYSICAL SECURITY MEASURES	LS	--	--	(40)
SPECIAL SITE CONDITIONS	LS	--	--	(473)
DEMOLITION (60,300 SF)	SM	5,600	637	(3,567)

ESTIMATED CONTRACT COST				42,979
CONTINGENCY (5%)				2,149

SUBTOTAL				45,128
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				2,572

TOTAL REQUEST				47,700
TOTAL REQUEST (ROUNDED)				47,700
EQUIPMENT FROM OTHER APPROPRIATIONS				(3,415)

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Construct multi-building Special Tactics Squadron (STS) operations compound. Facilities shall have foundations and floor slabs, structural framing, insulated walls and roofs, environmental controls, fire detection and suppression. Squadron operations functional areas include: operations with secure planning, logistics, medical, team rooms, simulator room, classroom, associated staff offices, storage and staging areas, bathrooms, Aircrew Flight Equipment (AFE) shop. Parachute drying tower is integrated with operations AFE shop. All buildings' supporting facilities include utilities, parking, communications with information transfer node and supporting generator, and all other necessary support. Cyber security measures will be incorporated into this project. Special site conditions include potential for asbestos removal during demolition. Special site conditions also includes requirement for multiple retaining walls and storm water runoff control to accommodate significant grade changes on the site IAW JBLM's MS4 permit requirements. Project includes facility demolition; buildings J00304, J00305, J00306, J00310 and J00341. 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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:		
JOINT BASE LEWIS MCCHORD, WASHINGTON	SOF 22 STS OPERATIONS FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	141	PQWY083008	47,700

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 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: 10,432 SM (112,300 SF) **Adequate:** 1,375 SM (14,800 SF) **Substandard:** 7,236 SM (77,900 SF)

PROJECT: Construct an Operations Facility.

REQUIREMENT: Combat controllers are among the most highly trained personnel in the U.S. military with 24 months of training; air traffic control qualification, airborne, survival, combat control, etc. Combat controllers selected for special tactics units require over a year of additional training (free fall parachuting, diving, underwater egress, small unit tactics, etc.) just for initial qualification. It is essential to properly maintain the readiness and promote continued skill growth in these personnel to establish well equipped, well trained, and cohesive teams. To this end, squadron operations facilities need to provide space to organize, train, and equip special tactics forces to rapidly provide airmanship expertise to establish the air-to- ground interface in an objective area on short notice. Space is also required to maintain, store and issue support equipment and clothing for each squadron member along with team vehicles and boats.

CURRENT SITUATION: The unit has more than doubled in size between 2007 and 2018; increasing from 68 to 172 personnel. An additional 63 personnel are authorized in place by FY22. The unit has been moved into whatever facilities are available; currently scattered among four facilities with sub-optimal storage and staging areas. Existing team rooms and team cage areas are not adequately sized to support the current personnel numbers. The equipment required for each operator is currently exposed to inadequate temperature and humidity control; increasing risk for damage to these expensive and limited equipment items. The unit is having difficulty scheduling access to the existing drying towers. Due to the moist climate in JBLM area, all jumps require chutes to be washed and dried after use. After 24 hours of being wet, the parachutes are considered condemned and must be replaced at costs ranging from $2,000-13,000 per chute. With Washington state's high precipitation rate (41%), the unit cannot consistently cancel jumps to avoid condemning chutes but does anyway, leading to degradation of training.

IMPACT IF NOT PROVIDED: Lack of adequate STS operations facilities will adversely impact the efficiency of day to day home station operations and the ability to rapidly provide fully trained and qualified special tactics support for worldwide deployment and the assignment to regional unified commands. Without a dedicated drying tower the unit will continue to struggle to meet their jump requirements. The facilities shortfalls also potentially impact the timely integration of special tactics personnel with other service Special Operations Forces (SOF) to form versatile joint special operations teams.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements." A preliminary analysis of reasonable options (status quo, upgrade, new construction) for accomplishing this project was done. It indicated this project is the preferred alternative. 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.

12. SUPPLEMENTAL DATA:

A. Estimated Execution Data

(1) Acquisition Strategy Design-Bid-Build

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
JOINT BASE LEWIS MCCHORD, WASHINGTON	SOF 22 STS OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140494BB	141	PQWY083008	47,700

(2) Design Data

(a) Design or Request for Proposal (RFP) Started	Dec 2017
(b) Percent Complete as of January 2019	35%
(c) Design or RFP Complete:	Aug 2019
(d) Total Design Cost ($000)	4,720
(e) Energy Study and Life Cycle Analysis Performed	No
(f) Standard or definitive design used?	No

(3) Construction Data

(a) Contract Award	Mar 2020
(b) Construction Start	Apr 2020
(c) Construction Complete	Apr 2023

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	2022	227
Collateral Equipment	O&M, D-W	2023	2,540
Collateral Equipment	PROC, D-W	2023	250
C4I Equipment	O&M, D-W	2022	30
C4I Equipment	O&M, D-W	2023	368

Air Force Special Operations Command
Telephone: (850) 884-2869
This Headquarters has reviewed and validated the accuracy of the project justification.

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
CONUS CLASSIFIED	BATTALION COMPLEX, PHASE 3

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140415BB	211	80778	82,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				67,993
AIRCRAFT MAINTENANCE HANGAR (CC 21110) (198,200 SF)	SM	18,414	3,296	(60,814)
AIRCRAFT PAINT SHOP (CC 21130) (6,000 SF)	SM	558	7,859	(4,385)
INTRUSION DETECTION SYSTEM INSTALLATION	LS	--	--	(215)
ENERGY MONITORING & CONTROL SYSTEM	LS	--	--	(240)
CYBERSECURITY MEASURES	LS	--	--	(250)
SUSTAINABILITY AND ENERGY FEATURES	LS	--	--	(1,212)
BUILDING INFORMATION SYSTEMS	LS	--	--	(877)
SUPPORTING FACILITIES				6,063
SPECIAL CONSTRUCTION FEATURES (PILES)	LS	--	--	(3,643)
EMERGENCY GENERATORS	MW	4.5	250,000	(1,125)
ROADS, SIDEWALKS AND PARKING	LS	--	--	(752)
SITE IMPROVEMENTS	LS	--	--	(543)
ESTIMATED CONTRACT COST				74,056
CONTINGENCY (5%)				3,703
SUBTOTAL				77,759
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				4,432
TOTAL REQUEST				82,191
TOTAL REQUEST (ROUNDED)				82,200
EQUIPMENT FROM OTHER APPROPRIATIONS				14,539

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct Battalion Complex, Phase 3. This phase constructs a multi-story secure hangar building and aircraft paint shop. Hangar building includes hangar bays, tool room, shops (avionics, electronic equipment repair, battery maintenance, communications, fabrication, sheet metal, Aircraft Life Saving Equipment, facilities, alodining, rotor balance, and wash), operational and administrative spaces (data center, systems integration lab, storage vault, offices, conference rooms, high density file storage, printers, shredders), training areas, troop area, storage (caged storage, training boards, general storage, tech supply, hazardous and flammable materials), support areas (break rooms, laundry, restrooms, showers), uninterruptible power supply, fire protection, electrical, mechanical, mechanical penthouse, telecommunications rooms and rooftop communications structures. Building will be fully conditioned. Heating and air conditioning will be provided by self-contained systems. Select areas will have raised access flooring. Provide generators, elevators, lightning protection, fire suppression, fire alarm, mass notification and security measures. Aircraft paint shop consists of equipment and paint storage, paint kitchen, and provides space for washing, rinsing, paint stripping, corrosion removal, protective coating, chemical agent resistant coating, painting of aircraft

components, and paint booth. Supporting facilities include fire pump building, water storage, site improvements (fencing, bicycle shelter, guardrail), final surfacing of access road and final surfacing of apron in front of hangar. Cybersecurity measures include providing Identity Assurance of and Operational Resilience to Fire Life Safety Systems, Building Automation Systems (Energy Monitoring & Control System - EMCS), and Electronic Security Systems (Closed Circuit Television and Intrusion Detection System). Appropriate cybersecurity measures will be applied to the facility-related control systems in accordance with current Department of Defense (DoD) criteria. Utility connection that meets all requirements of the utility system owner. Connection will enable utility system to be connected to the facility and the utility system will not be owned by the government. Connect to energy monitoring and control system. 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. Access for individuals with disabilities will be provided. Comprehensive building and furnishings related interior design services are required.

11. Requirement: 32,516 SM (350,000 SF) **Adequate:** 13,335SM (143,535 SF) **Substandard:** 9,133 SM (98,303SF)

PROJECT:

Construct multi-story secure hangar building and aircraft paint shop as Phase 3 of a Battalion Complex.

REQUIREMENT: Unit requires adequate battalion complex space to support its mission. The identified need including support buildings is 350,000 SF.

CURRENT SITUATION: Unit currently works out of a mix of existing facilities of various ages ranging from 10 years old to over 50 years old that have been modified over time to attempt to address mission requirements. Supporting utility and heating, ventilation, and air conditioning systems are old and failing. Unit has outgrown existing facilities, which no longer support the unit's mission. No space or facility exists to meet the unit's requirements. Unit has compressed into existing space increasing risk of accidents. Unit is projected to continue growing. Geo-technical soil borings indicate layer of soft clay in 23'-28' foot range at project site. Phase 1 provides the site infrastructure and hardstand paving. Phase 2 provides the administrative offices and storage for this unit.

IMPACT IF NOT PROVIDED: If this project is not provided, unit will not be able to fully support mission requirements. Personnel will continue to work in substandard and deteriorated facilities to best ability. Working out of multiple buildings hurts operational efficiency and unit must duplicate and sustain facilities and information technology at each of these sites, creating additional inefficiencies and additional costs. Use of failing facilities reduces productivity, hurts unit's ability to hire and retain a quality work force, and has high operations and maintenance costs. Unit will be compelled to operate inefficiently with key staff elements scattered in dispersed, inadequate, or temporary facilities.

ADDITIONAL: Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to satisfy the requirement. This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Storm water management Low Impact Development will be included in the project as appropriate. Sustainable principles, to include life cycle cost effective practices, will be integrated into the design, development and construction of the project complying with applicable laws and executive orders. Project site is primarily located above the 100-year flood plain; flood mitigation measures will be applied as necessary.

1. COMPONENT	**FY 2020 MILITARY CONSTRUCTION PROJECT DATA** *(Continuation)*	2. DATE	REPORT CONTROL SYMBOL
USSOCOM		MAR 2019	DD-A&T(A)1610

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
CONUS CLASSIFIED	BATTALION COMPLEX, PHASE 3

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1140415BB	211	80778	82,200

JOINT USE CERTIFICATION: Not Applicable. United States Special Operations Command (USSOCOM) budgets only for those facilities specifically for Special Operation Forces 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:	Jun 2018
(b) Percent of Design Completed as of Jan 2019	65%
(c) Design or RFP Complete:	Nov 2019
(d) Total Design Cost ($000):	6,000
(e) Energy Study and/or Life Cycle Analysis performed:	NO
(f) Standard or definitive design used:	NO
(3) Construction Data	
(a) Contract Award:	May 2020
(b) Construction Start:	Jul 2020
(c) Construction Complete:	Jun 2022

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	PROC, D-W	2022	1,680
C4I Equipment	PROC, D-W	2022	11,034
Collateral Equipment	O&M, D-W	2022	1,825

Joint Special Operations Command
Telephone: (910) 243-0550
This Headquarters has reviewed and validated the accuracy of the project justification.

Washington Headquarters Services
FY 2020 Military Construction, Defense-Wide
($in Thousands)

($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
Virginia				
Pentagon				
Control Tower and Fire and Day Station	20,132	20,132	C	160
Backup Generator	8,670	8,670	C	164
Total	**28,802**	**28,802**		

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE (YYYY MMDD)
DEF (WHS)		MAR 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
Pentagon, Arlington, VA	OSD/CMO/WHS	1.07

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF 2018-09-30										27488
b. END FY23										27488

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	28,802.00
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	28,802.00

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
73010	Control Tower Fire Day Station	8,617 SF	20,132	09/2018	07/2019
81160	Backup Generator	NA	8,670	09/2018	06/2019

9. FUTURE PROJECTS

813	Modernize Switch House 1	Electrical Switch Station 50 KVA Building Expansion 1104 SF	$14,379		
822	HRP Condensing Water Outfall	Improve Outfall 2 1510 LF New Outfall 3 1610 LF	$10,400		
125	Construct Fuel Pipeline		$8,133		

10. MISSION OR MAJOR FUNCTIONS

The Pentagon serves as the Nation´s military command center providing critical command and control and support functions to the Department of Defense (DoD) and its subordinate commands with 6.5 million square feet of office, support and quality of life space.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

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

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
WHS		MAR 2019

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
Pentagon Arlington, VA	Control Tower and Fire Day Station

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	730 10	92232	20,132

9. COST ESTIMATES

ITEM	UM	QUANTITY	UNIT COST	COST($000)
PRIMARY FACILITY				15,553
73010 Fire Day Station	SF	6,329	680	(10,631)
13310 Air Traffic/Flight Control Tower	SF	2,278	641	(3,738)
73010 Temporary Facilities	LS	--	--	(1,184)
SUPPORTING FACILITIES				1,925
Electric Service	LS	--	--	(171)
Water, Sewer, Gas	LS	--	--	(185)
Paving, Walks, Curbs And Gutters	LS	--	--	(235)
Storm Drainage	LS	--	--	(66)
Site Imp(303) Demo(939)	LS	--	--	(1,242)
Information Systems	LS	--	--	(26)
ESTIMATED CONTRACT COST				17,478
CONTINGENCY (5.00%)				874
SUBTOTAL				18,352
SUPERVISION, INSPECTION & OVERHEAD (5.70%)				1,046
DESIGN/BUILD - DESIGN COST (4.0000%)				734
TOTAL REQUEST (ROUNDED)				20,000
TOTAL REQUEST				20,132
EQUIPMENT FROM OTHER APPROPRIATIONS(NON ADD)				(999)

10. Description of Proposed Construction

Construct a permanent combined Control Tower and a Fire Day Station. This facility will include apparatus bays, administration areas, day training areas, equipment maintenance areas, fitness room, control tower and associated equipment rooms, vehicle exhaust removal system, information systems, fire protection and alarm systems, and an Energy Monitoring Control Systems (EMCS) connection.

Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by a self-contained system.

Facilities will comply with Antiterrorism Force Protection (AT/FP) regulations.

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
WHS		MAR 2019

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
Pentagon Arlington, VA	Control Tower and Fire Day Station

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	730 10	92232	20,132

10. Description of Proposed Construction (Continued)...

Low Impact Development and Chesapeake Bay Preservation Act pollutant reduction features will be included as appropriate.

Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance.

11. REQ: 8,757 SF ADQT: NONE SUBSTD: NONE

PROJECT:
Construct a Control Tower and Fire Day Station. (Current Mission)

REQUIREMENT:
The Control Tower and Fire Day Station require permanent fire department and air traffic controller facilities to support the enduring Pentagon Helipad mission. Personnel and equipment are required to meet the Department of Defense (DoD) response time for emergency situations to the helipad. The Aircraft Rescue and Firefighting equipment response time is one minute or less for equipment which is "pre-positioned" near aircraft operations.

The Fire Day Station requires additional climate controlled space to store and maintain equipment, train personnel, and provide required physical training and locker rooms. Space is also required to garage two supporting vehicles.

The Control Tower requires a direct line-of-sight to the helipad and sufficient working space for the controllers.

CURRENT SITUATION:
All of the facilities currently in use are temporary and were placed on the site following the terrorist attacks at the Pentagon on September 11, 2001. The previous facilities were destroyed in the terrorist attack. The existing temporary air traffic control facility is minimally sized and lacks adequate working space for the controllers. Additionally, there is no direct line-of-sight to the helipad, which has resulted in a video camera and monitor being used to provide situational awareness and viewing of the landing of aircraft.

The fire station only has room for one apparatus with the second remaining outside and susceptible to the elements, shortening its useful life. This bay is also used for the fitness room and equipment maintenance. The equipment storage area is not climate controlled. The apparatus bay also does not have a clear path to the helipad.

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
WHS		MAR 2019

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
Pentagon Arlington, VA	Control Tower and Fire Day Station

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	730 10	92232	20,132

CURRENT SITUATION: (Continued)...

The administrative, training, and kitchen areas for both facilities are trailers. The day room does not exist. There are no showers for any staff within the temporary facilities. The current facilities are operating under a waiver and temporary usage permit. These were originally approved in 2004 and are now renewed on an annual basis.

IMPACT IF NOT PROVIDED:
The fire department and air traffic control personnel will continue to operate out of temporary trailers that are not in accordance with modern fire station and air traffic control design and mission needs. Lack of a climate controlled equipment storage and maintenance space leads to degradation of the equipment and additional operational expenses. Failure to fund this project will result in slower response times. The fire department will not be able to house equipment needed to adequately respond in case of an incident at the helipad. The Air Traffic Controllers will continue to view the helipad by video cameras and monitors and work in space that is inadequate as opposed to having a clear and direct line-of-sight.

ADDITIONAL:
Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain in accordance with Executive Order 11988.

This project has been coordinated with the installation physical security plan and all physical security measures are included. All required antiterrorism protection measures are included.

Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

The Department of Army provides the air traffic controllers and fire fighter services for this mission.

12. SUPPLEMENTAL DATA:

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

(2) Design Data:
(a) Design or Request for Proposal (RFP) Started..... SEP 2018
(b) Percent of Design Completed as of JAN 2019..... 15

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
WHS		MAR 2019

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
Pentagon Arlington, VA	Control Tower and Fire Day Station

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	730 10	92232	20,132

12. SUPPLEMENTAL DATA: (Continued)...

A. Estimated Execution Data:

(c) Design or RFP Complete.....	JUL 2019
(d) Total Design Cost.....	652
(e) Energy Study and/or Life Cycle Cost Analysis performed?	YES
(f) Standard or Definitive Design Used?.....	NO

(3) Construction Data:

(a) Contract Award.....	MAR 2020
(b) Construction Start.....	AUG 2020
(c) Construction Complete.....	MAR 2022

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Fire Station Furnishings	OMA	2021	950
Electronics (TV, Projector, et	OMA	2021	15
Appliances	OMA	2021	25
Info Sys - ISC	OPA	2021	9

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
WHS		MAR 2019

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
Pentagon Arlington, VA	Backup Generator

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	811 60	91531	8,670

9. COST ESTIMATES

ITEM	UM	QUANTITY	UNIT COST	COST($000)
PRIMARY FACILITY				7,022
81160 Backup Generator	LS	--	--	(225)
Facility Modification and Expansion	LS	--	--	(6,797)
SUPPORTING FACILITIES				505
Site Imp(231) Demo(276)	LS	--	--	(505)
ESTIMATED CONTRACT COST				7,527
CONTINGENCY (5.00%)				376
SUBTOTAL				7,903
SUPERVISION, INSPECTION & OVERHEAD (5.70%)				451
DESIGN/BUILD - DESIGN COST (4.0000%)				316
TOTAL REQUEST (ROUNDED)				8,700
TOTAL REQUEST				8,670
EQUIPMENT FROM OTHER APPROPRIATIONS(NON ADD)				

10. Description of Proposed Construction

Construct a permanent expansion to the existing Pentagon critical power plant. This facility expansion will include a fix-mounted generator, fuel oil pipelines, a generator room, administration area, associated heating and ventilation, air intake and exhaust systems, information systems, fire protection, security system, fire alarm systems, and Energy Monitoring Control Systems (EMCS) connection. An isolated cast-in-place pad supported on piling will be required for the generator. Facilities will comply with Antiterrorism Force Protection (AT/FP) regulations, the Architectural Barriers Act (ABA), and the Americans with Disabilities Act (ADA). Facilities will be designed to a minimum life of 40 years in accordance with DoD's Unified Facilities Criteria (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance.

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
WHS		MAR 2019

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
Pentagon Arlington, VA	Backup Generator

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	811 60	91531	8,670

11. REQ: NONE ADQT: NONE SUBSTD: NONE

PROJECT:
Supply additional power backup to mission critical systems. (Current Mission)

REQUIREMENT:
Additional power backup capacity is required to support the current and projected future Pentagon mission critical load as provided by the Pentagon Mission Critical Utilities Working Group. An N+2 redundancy level is required for mission critical loads. The Pentagon was recently reduced from a Title V operating permit to a synthetic minor source. In order to reduce the risk of having to revert to a Title V operating permit, the new generator will be required to have Selective Catalytic Reduction (SCR) to reduce emissions. Expanded facilities and infrastructure are required to support the additional generator.

CURRENT SITUATION:
The existing Generator Plant provides on-site power backup to critical loads at the Pentagon. The mission critical load is nearing 80% of the N+2 capacity of the Generator Plant. The existing power generating capacity is not adequate to reliably serve current loads as well as expected growth while maintaining N+2 redundancy. There is no room in the existing power plant for a new generator.

IMPACT IF NOT PROVIDED:
The DoD mission critical loads will not have backup power with N+2 redundancy. This condition will result in not meeting the critical backup power capacity established by the Pentagon Mission Critical Utilities Working Group. This reduces the resiliency of the critical power supply at the Pentagon during regional commercial power outages.

ADDITIONAL:
Required assessments have been made for supporting facilities and the project is not in a 100-year floodplain per Executive Order 11988. This project has been coordinated with the installation physical security plan, and all physical security measures are included. This project is the only feasible option to meet the requirement.

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
WHS		MAR 2019

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
Pentagon Arlington, VA	Backup Generator

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	811 60	91531	8,670

12. SUPPLEMENTAL DATA:

A. Estimated Execution Data:

(1) Acquisition Strategy: Design-build

(2) Design Data:

(a) Design or Request for Proposal (RFP) Started.....	SEP 2018
(b) Percent of Design Completed as of JAN 2019.....	15
(c) Design or RFP Complete.....	JUN 2019
(d) Total Design Cost.....	440
(e) Energy Study and/or Life Cycle Cost Analysis performed?	NO
(f) Standard or Definitive Design Used?.....	NO

(3) Construction Data:

(a) Contract Award.....	JAN 2020
(b) Construction Start.....	JUN 2020
(c) Construction Complete.....	JAN 2022

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)

FY2020 Energy Resilience and Conservation Investment Program
Project List

Project No.	Location	State	Project Description		Project Cost ($000)	SIR[1]
Army						
91188	Fort Leonard Wood	MO	Install Cogen System Central Plant 1021	$	3,100	1.18
92870	Anniston Army Depot	AL	Construct 7.5MW Generator Plant and Micro-Grid Controls	$	20,000	1.90
92623	Fort Jackson	SC	Install Combined Heat and Power Systems	$	8,100	1.35
88821	Fort Indiantown Gap	PA	Install Geothermal & 413kW Solar PV Array	$	3,950	1.25
85882	USAG Bavaria (Hohenfels)	Germany	Install 1.5 MW Photovoltaic system	$	3,250	1.73
92042	Puerto Nuevo (PR012) - 81st Readiness Division	Puerto Rico	Install Microgrid, 550 kW PV Solar Array, 750 kWh Battery, and 750 kW Diesel Gen	$	9,200	0.81
Army Program Totals			**6 Projects**	**$**	**47,600**	**1.48**
USN						
P893	Naval Base Kitsap	WA	ENERGY - MAIN STEAM LINE MONITORING	$	1,420	1.53
P-691	Naval Base Guam	Guam	Facility Controls Upgrades, Connectivity, & Cybersecurity for NBG Smart Grid	$	6,280	1.02
P520	JRB 0S New Orleans	LA	Distribution Switchgear	$	5,447	0.00
P613	NB Ventura County	CA	SNI Energy Storage System	$	6,530	0.80
P995	NSA Souda Bay	Greece	Energy Management Control Systems (EMCS)	$	2,340	2.00
P-690	Naval Base Guam	Guam	ENERGY EFFICIENT LIGHTS, HVACS, AND DHWS and Photovoltaic AT APRA PALMS, P-690	$	9,770	1.42
USN Program Totals			**6 Projects**	**$**	**31,787**	**1.02**
USAF						
BAEY253000	Beale AFB	CA	230/60kV Interconnection and Transmission System	$	40,482	2.41
PSXE172003	McGhee Tyson IA	TN	CONSTRUCT GROUND BASE PV ARRAY	$	4,312	1.25
ZHTV120044	WPAFB	OH	Repair Steam& HTHW Line D (partial) Area A with N.G. Boilers	$	7,900	1.22
USAF Program Totals			**3 Projects**	**$**	**52,694**	**2.14**
USMC						
P-266	MCAS Miramar	CA	Additional Water Supply for Resilience	$	4,315	1.31
P-143	MCAS Camp Pendleton	CA	Advanced Microgrid Infrastructure Improvement	$	7,321	1.76
USMC Program Totals			**2 Projects**	**$**	**11,636**	**1.59**
DHA						
P-1703	US Naval Hospital (USNH) Rota / Spain	Spain	Replacement of Flourescent Lighting with LED Lighting at Building 1802 (Hospital).	$	348	2.10
DHA Program Totals			**1 Project**	**$**	**348**	**2.10**
DLA						
ERCIP2020-01	Naval Base Kitsap, Bremerton	WA	Upgrade 6 facilities heating systems to natural gas	$	5,430	1.56
DLA Program Totals			**1 Project**	**$**	**5,430**	**1.56**
NRO						
ERCIP-NRO-WF-19-02	Headquarters	VA	Lighting/Power Control System	$	505	3.55
NRO Program Totals			**1 Project**	**$**	**505**	**3.55**
ERCIP Program Totals			**20 Projects**	**$**	**150,000**	**1.63**

[1]SIR is Savings to Investment Ratio ($ est. discounted lifetime savings / $ invested)

Energy Resilience Projects (11)	**$**	**112,750**	**1.70**
Energy Conservation Projects (9)	**$**	**37,250**	**1.43**
Total (20 Projects)	**$**	**150,000**	**1.63**

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE
		March 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTRUCTION COST INDEX
Various	Secretary of Defense	Various

6. PERSONNEL STRENGTH

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A.										
B.										

7. INVENTORY DATA ($000)

A. TOTAL AREA.	
B. INVENTORY TOTAL AS OF	
C. AUTHORIZATION NOT YET IN INVENTORY	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,000
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
F. PLANNED IN NEXT THREE YEARS	
G. REMAINING DEFICIENCY	
H. GRAND TOTAL	10,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN START	STATUS COMPLETE
Various		Defense Level Contingency Construction	$10,000	Various	Various

9. FUTURE PROJECTS

CATEGORY CODE	PROJECT TITLE	COST ($000)
Various	Defense Level Contingency Construction	$40,000

10. MISSION OR MAJOR FUNCTION

Various

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

Not Applicable

($000)

A. AIR POLLUTION

B. WATER POLLUTION

C. OCCUPATIONAL SAFETY AND HEALTH

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
		March 2019

3. Installation and Location/UIC:	4. Project Title
Various	Contingency Construction

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0109511D	N/A	N/A	Approp: $10,000

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
Construction of facilities in support of operations vital to the security of the United States				$10,000

10. Description of Proposed Construction

For FY 2020, $10.0 million is programmed to provide the Secretary of Defense with the capability to respond to unforeseen facilities requirements. This amount is required to undertake urgent, unforeseen military construction, the deferral of which is deemed inconsistent with national security interests.

The authority for the construction of these facilities is provided by Section 2804 of 10 U.S.C. Both the Armed Services and Appropriations Committees of the House and Senate will be notified by the Secretary of Defense, or his designee, immediately upon reaching a decision to undertake construction under this authority.

11 Requirement:

12. Supplemental Data:

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE
		March 2019
3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTRUCTION COST INDEX
Various	Secretary of Defense	Various

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A.										
B.										

7. INVENTORY DATA ($000)

A. TOTAL AREA.	
B. INVENTORY TOTAL AS OF	
C. AUTHORIZATION NOT YET IN INVENTORY	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
F. PLANNED IN NEXT THREE YEARS	
G. REMAINING DEFICIENCY	
H. GRAND TOTAL	

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN START	STATUS COMPLETE
Various		Minor Construction	99,148	N/A	N/A

9. FUTURE PROJECTS

CATEGORY CODE	PROJECT TITLE	COST ($000)
Various	Minor Construction (FY 2021-2024)	298,877

10. MISSION OR MAJOR FUNCTION

Various

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

None

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
		March 2019

3. Installation and Location/UIC:	4. Project Title
Various	Minor Construction

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
N/A	N/A	N/A	$99,148

9. COST ESTIMATES

Item		U/M	Quantity	Unit Cost	Cost ($000)
Unspecified Minor Construction		LS			$99,148
Defense Health Agency	(10,000)				
Defense Logistics Agency	(16,736)				
DoD Education Activity	(8,000)				
Missile Defense Agency	(10,000)				
National Security Agency	(3,228)				
Joint Chiefs of Staff	(11,770)				
U.S. Special Operations Command	(31,464)				
Washington Headquarters Services	(4,950)				
Defense Level Activities	(3,000)				

10. Description of Proposed Construction

Budget Subactivity: Unspecified Minor Construction

Unspecified minor military construction (UMC) projects authorized by Title 10 USC Wction 2805 and funded by Defense-wide appropriations.

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 $99,148,000 for FY 2020 is considered a reasonable estimate to provide the numerous Defense Agencies and Activities flexibility in managing their construction programs. A lump sum amount of $11,770,000 is included to support exercise related construction projects for JCS sponsored exercises.

12. Supplemental Data:

a. Estimated design data: Not applicable.
b. Equipment provided from other appropriations: Not applicable.

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE
		March 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTRUCTION COST INDEX
Various	Secretary of Defense	Various

6. PERSONNEL STRENGTH

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A.										
B.										

7. INVENTORY DATA ($000)

A. TOTAL AREA.

B. INVENTORY TOTAL AS OF

C. AUTHORIZATION NOT YET IN INVENTORY

D. AUTHORIZATION REQUESTED IN THIS PROGRAM

E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM

F. PLANNED IN NEXT THREE YEARS

G. REMAINING DEFICIENCY

H. GRAND TOTAL

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN START	STATUS COMPLETE
Various		Planning and Design	252,355	N/A	N/A

9. FUTURE PROJECTS

CATEGORY CODE	PROJECT TITLE	COST ($000)
Various	Planning and Design (FY 2021-2024)	941,462

10. MISSION OR MAJOR FUNCTION

N/A

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

N/A

($000)

A. AIR POLLUTION

B. WATER POLLUTION

C. OCCUPATIONAL SAFETY AND HEALTH

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
		March 2019

3. Installation and Location/UIC:	4. Project Title
Various	Planning and Design

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
N/A	N/A	N/A	$252,355

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
Planning and Design				$252,355
Defense Health Agency (63,382)				
Defense Logistics Agency (27,000)				
DoD Education Activity (29,679)				
Missile Defense Agency (35,472)				
National Security Agency (15,000)				
U.S. Special Operations Command (52,532)				
Washington Headquarters Service (4,890)				
Defense Level Activities (14,400)				
ERCIP Design (10,000)				

10. Description of Proposed Construction

Funds are to be utilized for preparing plans and specifications for construction of the Defense Agencies and Secretary of Defense Activities.

11 Requirement:

The estimated costs for most projects do not include any amounts for feasibility studies, preliminary engineering or final plans and specifications. The accomplishment of the planning and design effort required to develop and execute the construction program for the Defense Activities is dependent on the provision of funds proposed by this item.

FY 2020 Defense Level funding 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.

The FY 2020 budget request continues to separately identify planning and design funding associated with the Energy Resilience and Conservation Investment Program (ERCIP). The FY 2020 ERCIP program is funded at $150 million, and $10 million is specifically requested for planning and design to cover the design activities necessary to support this program.

Organization	State Country	Fiscal Year	Location Title	Line Item Title	TOA Amount
DEFW	ZU	2020	Unspecified Worldwide Locations	Contingency Construction	10,000
DEFW	ZU	2020	Unspecified Worldwide Locations	Energy Resilience and Conserv. Invest. Prog.	150,000
DEFW	ZU	2021	Unspecified Worldwide Locations	Contingency Construction	14,400
DEFW	ZU	2021	Unspecified Worldwide Locations	Energy Resilience and Conserv. Invest. Prog.	149,210
DEFW	ZU	2022	Unspecified Worldwide Locations	Contingency Construction	14,400
DEFW	ZU	2022	Unspecified Worldwide Locations	Energy Resilience and Conserv. Invest. Prog.	148,480
DEFW	ZU	2023	Unspecified Worldwide Locations	Contingency Construction	14,400
DEFW	ZU	2023	Unspecified Worldwide Locations	Energy Resilience and Conserv. Invest. Prog.	152,717
DEFW	ZU	2024	Unspecified Worldwide Locations	Contingency Construction	14,400
DEFW	ZU	2024	Unspecified Worldwide Locations	Energy Resilience and Conserv. Invest. Prog.	157,617
DHA	CA	2020	Camp Pendleton	Ambul Care Center/Dental Clinic Replacement	17,700
DHA	GY	2020	Geilenkirchen AB	Ambulatory Care Center/Dental Clinic	30,479
DHA	MD	2020	Bethesda Naval Hospital	MEDCEN Addition/Altertion Incr 3	96,900
DHA	MD	2020	Fort Detrick	Medical Research Acquisition Building	27,846
DHA	MO	2020	Fort Leonard Wood	Hospital Replacement Incr 2	50,000
DHA	SC	2020	Joint Base Charleston	Medical Consolidated Storage & Distrib Center	33,300
DHA	AZ	2021	Fort Huachuca	Ambulatory Care Center Replacement	108,732
DHA	CA	2021	San Diego	Ambulatory Care/Dental Clinic Replacement	62,139
DHA	CA	2021	Travis AFB	Consolidated Storage & Distri Center Add/Alt	16,059
DHA	GB	2021	Guantanamo Bay	Hospital Replacement	210,200
DHA	HI	2021	Joint Base Pearl Harbor-Hickam	Veterinary Treatment Fac Clinic Replacement	18,503
DHA	MD	2021	Bethesda Naval Hospital	MEDCEN Addition/Alteration Incr 4	239,300
DHA	MD	2021	Patuxent River	Ambul Care Center/Dental Clinic Replacement	73,827
DHA	MO	2021	Fort Leonard Wood	Hospital Incr 3	40,000
DHA	NJ	2021	Joint Base Mcguire-Dix-Lakehurst	Blood Processing Center Replacement	15,765
DHA	NM	2021	Kirtland AFB	Bioenvironmental Clinic	7,140
DHA	UK	2021	Royal Air Force Lakenheath	Hospital Phase 1	18,294
DHA	VA	2021	Fort Belvoir	Veterinary Clinic Replacement	18,409
DHA	WA	2021	Joint Base Lewis-Mcchord	Ambulatory Care Center	21,420
DHA	WA	2021	Oak Harbor	Hospital Replacement (Oak Harbor)	130,804
DHA	CA	2022	Camp Pendleton	Ambulatory Care Center Add/Alt	11,886
DHA	CA	2022	Camp Pendleton	Ambulatory Care Center Replacement	22,872
DHA	HI	2022	Schofield Barracks	Ambulatory Care Center Alt & Parking Garage	140,683
DHA	MD	2022	Bethesda Naval Hospital	Education & Research Bldg Add PH2	366,949
DHA	MO	2022	Fort Leonard Wood	Hospital Incr 4	160,000
DHA	CA	2023	Miramar	Ambulatory Care Center Addition/Alteration	65,608
DHA	HI	2023	Joint Base Pearl Harbor-Hickam	Ambulatory Care Center Replacement	106,121
DHA	MO	2023	Fort Leonard Wood	Hospital Incr 5	31,300
DHA	SC	2023	Beaufort	Ambulatory Care Center Replacement	61,094
DHA	SC	2023	Parris Island	Dental Clinic Replacement	45,026
DHA	TX	2023	Lackland AFB	Dental Clinic Replacement	52,874
DHA	UK	2023	Royal Air Force Lakenheath	Hospital Replacement Phase 2	185,711

Organization	State Country	Fiscal Year	Location Title	Line Item Title	TOA Amount
DHA	CA	2024	Camp Pendleton	Ambulatory Care Center Addition/Alteration	12,366
DHA	CA	2024	Camp Pendleton	Veterinary Clinic Replacement	13,924
DHA	CO	2024	Fort Carson	Ambulatory Care Center	24,420
DHA	DC	2024	Bolling AFB	Ambulatory Care Center	27,433
DHA	HI	2024	Pearl Harbor	Ambulatory Care Center Replacement PH2	259,784
DHA	KR	2024	Kunsan Air Base	Ambulatory Care Center	16,216
DHA	NC	2024	Fort Bragg	Amb Care Center / Behavioral Health Clinic	25,667
DHA	SC	2024	Beaufort	Ambulatory Care Center	24,004
DHA	SC	2024	Parris Island	Dental Clinic Replacement	38,032
DHA	VA	2024	Yorktown	Ambulatory Care Center Replacement	22,965
DHA	WA	2024	Kitsap	Ambulatory Care Center Replacement	47,385
DISA	ZU	2021	Unspecified Worldwide Locations	DISA Construction	33,761
DISA	ZU	2022	Unspecified Worldwide Locations	DISA Construction	2,642
DISA	ZU	2023	Unspecified Worldwide Locations	DISA Construction	2,708
DISA	ZU	2024	Unspecified Worldwide Locations	DISA Construction	2,760
DLA	CA	2020	Beale AFB	Hydrant Fuel System Replacement	33,700
DLA	GU	2020	Joint Region Marianas	Xray Wharf Refueling Facility	19,200
DLA	JA	2020	Yokota AB	Bulk Storage Tanks PH1	116,305
DLA	MS	2020	Columbus AFB	Fuel Facilities Replacement	16,800
DLA	OK	2020	Tulsa IAP	Fuels Storage Complex	18,900
DLA	RI	2020	Quonset State Airport	Fuels Storage Complex Replacement	11,600
DLA	SD	2020	Ellsworth AFB	Hydrant Fuel System Replacement	24,800
DLA	VA	2020	Def Distribution Depot Richmond	Operations Center Phase 2	98,800
DLA	WI	2020	Gen Mitchell IAP	POL Facilities Replacement	25,900
DLA	AL	2021	Anniston Army Depot	Demilitarization Facility	11,000
DLA	JA	2021	Def Fuel Support Point Tsurumi	Fuel Wharf Modernize	30,100
DLA	OH	2021	Wright-Patterson AFB	Hydrant Fueling System Replacement	21,500
DLA	PA	2021	Def Distribution Depot New Cumberland	General Purpose Warehouse (730)	58,600
DLA	TK	2021	Incirlik AB	Hydrant Fuel System, "B" Ramp	25,000
DLA	TX	2021	Fort Hood	Fueling Facility Replacement	30,900
DLA	WA	2021	Manchester	Bulk Storage Tanks (Phase 1) Replacement	78,000
DLA	JA	2022	Iwakuni	Construct Bulk Storage Tanks (PH-2)	30,400
DLA	JA	2022	Yokota AB	Construct Bulk Storage Tanks PH2	80,000
DLA	AL	2023	Anniston Army Depot	Replace General Pupose Warehouse	21,000
DLA	CA	2023	Beale AFB	Construct Bulk Tank	14,000
DLA	HI	2023	Joint Base Pearl Harbor-Hickam	Replace General Purpose Warehouse	57,200
DLA	TX	2023	Corpus Christi	Construct General Purpose Warehouse	36,400
DLA	WA	2023	Joint Base Lewis-Mcchord	Replace Fuel Facilities (Lewis Main & North)	15,100
DLA	WA	2023	Manchester	Replace Bulk Storage Tanks, (PH-2)	64,000
DLA	AK	2024	Eielson AFB	Replace Fuels Operation & Lab	4,200
DLA	CA	2024	Defense Distribution Depot-Tracy	Pave Open Storage	23,000
DLA	CO	2024	Fort Carson	Construct General Purpose Warehouse	30,000

Organization	State Country	Fiscal Year	Location Title	Line Item Title	TOA Amount
DLA	FL	2024	Macdill AFB	Construct Hydrant System	5,300
DLA	FL	2024	Tyndall AFB	Construct Type IV Hydrant System	30,500
DLA	HI	2024	Joint Base Pearl Harbor-Hickam	Additive Injector System	8,340
DLA	JA	2024	Kadena AB	Upgrade Refuler Parking Area	5,600
DLA	MD	2024	Joint Base Andrews	Construct Hydrant System to FAC5023	16,700
DLA	MO	2024	Whiteman AFB	Replace Flight Fill Station	6,000
DLA	MO	2024	Whiteman AFB	ReplaceVehicle Fill Station	12,200
DLA	MT	2024	Great Falls IAP	Replace Fuel Complex	16,500
DLA	NC	2024	Cherry Point Marine Corps Air Station	Construct General Purpose Warehouse	59,700
DLA	NM	2024	Cannon AFB	Construct Constant Pressure Fuel System	4,618
DLA	OH	2024	Newton Falls	Bulk and Retail Fuel Point	2,000
DLA	SP	2024	Rota	Replace Bulk Tank Farm (PH-1 of 4)	62,800
DLA	UK	2024	Royal Air Force Lakenheath	Construct Hot Pit Hydrant System	15,500
DODEA	JA	2020	Yokosuka	Kinnick High School Inc 2	130,386
DODEA	JA	2020	Yokota AB	Pacific East District Superintendent's Office	20,106
DODEA	GY	2021	Baumholder	Baumholder ES-Replace School	71,796
DODEA	GY	2021	Landstuhl	Landstuhl ES/MS- replace school	66,025
DODEA	GY	2021	Ramstein AB	EIC Project-New School	102,959
DODEA	KY	2021	Fort Knox	Replace Van Voorhis ES	56,000
DODEA	JA	2022	Yokota AB	Mendel ES - Replace School	121,000
DODEA	KY	2022	Fort Campbell	Renovate/Replace Lucas ES	40,000
DODEA	GY	2023	Baumholder	Baumholder MS/HS - replace school	57,000
DODEA	GY	2023	Ramstein AB	EIC Project-New School	91,000
DODEA	JA	2023	Yokosuka	Sullivans ES-Replace School	105,000
DODEA	GY	2024	Stuttgart	Patch MS - Renovate/Replace	99,000
DODEA	JA	2024	Kadena AB	Replace Stearley Heights Elementary School	140,000
DODEA	KR	2024	Camp Walker	ReplaceDaegu ES	32,000
DODEA	KR	2024	Osan AB	Addition/Renovation Osan M/HS	12,000
DODEA	PR	2024	Fort Buchanan	Antilles HS - replace school	86,000
DTRA	NM	2021	Albuquerque	Construct Administration Facility	35,000
MDA	AK	2021	Fort Greely	Redundant Communication Building	48,000
MDA	ZU	2021	Unspecified Worldwide Locations	Homeland Defense Radar (HDR) - Hawaii	138,000
MDA	ZU	2021	Unspecified Worldwide Locations	Pacific IDT	89,710
MDA	AL	2022	Redstone Arsenal	Consolidated Test Center	259,791
MDA	ZU	2022	Unspecified Worldwide Locations	Homeland Defense Radar (HDR) - Hawaii	183,000
MDA	ZU	2024	Unspecified Worldwide Locations	Homeland Defense Radar (HDR) - Pacific	365,970
NGA	MO	2020	St Louis	Next NGA West (N2W) Complex Phase 2 Inc. 2	218,800
NGA	MO	2021	St Louis	Next NGA West (N2W) Complex Phase 2 Inc. 3	119,000
NSA	MD	2020	Fort Meade	NSAW Recapitalize Building #3 Inc 2	426,000
NSA	ZC	2020	Classified Location	Mission Support Compound	52,000
NSA	MD	2021	Fort Meade	Archive	98,000
NSA	MD	2021	Fort Meade	NSAW Recapitalize Building #3 Inc 3	250,000

Organization	State Country	Fiscal Year	Location Title	Line Item Title	TOA Amount
NSA	MD	2022	Fort Meade	CAO Mission	195,000
NSA	MD	2022	Fort Meade	NSAW Recap Building 3A	39,000
NSA	MD	2022	Fort Meade	NSAW Recap Building 4, Incr 1	154,000
NSA	MD	2023	Fort Meade	NSAW Recap Building 4, Incr 2	348,556
NSA	MD	2024	Fort Meade	NSAW Recap Building 4, Incr 3	374,000
SOCOM	FL	2020	Eglin AFB	SOF Combined Squadron Ops Facility	16,500
SOCOM	FL	2020	Hurlburt Field	SOF AMU & Weapons Hangar	72,923
SOCOM	FL	2020	Hurlburt Field	SOF Combined Squadron Operations Facility	16,513
SOCOM	FL	2020	Hurlburt Field	SOF Maintenance Training Facility	18,950
SOCOM	FL	2020	Key West	SOF Watercraft Maintenance Facility	16,000
SOCOM	HI	2020	Joint Base Pearl Harbor-Hickam	SOF Undersea Operational Training Facility	67,700
SOCOM	NC	2020	Camp Lejeune	SOF Marine Raider Regiment HQ	13,400
SOCOM	NC	2020	Fort Bragg	SOF Assessment and Selection Training Complex	12,103
SOCOM	NC	2020	Fort Bragg	SOF Human Platform-Force Generation Facility	43,000
SOCOM	NC	2020	Fort Bragg	SOF Operations Support Bldg	29,000
SOCOM	VA	2020	Dam Neck	SOF Demolition Training Compound Expansion	12,770
SOCOM	VA	2020	Joint Expeditionary Base Little Creek - Story	SOF NSWG-10 Operations Support Facility	32,600
SOCOM	VA	2020	Joint Expeditionary Base Little Creek - Story	SOF NSWG2 JSOTF Ops Training Facility	13,004
SOCOM	WA	2020	Joint Base Lewis-Mcchord	SOF 22 STS Operations Facility	47,700
SOCOM	XC	2020	Classified Location	Battalion Complex, Ph 3	82,200
SOCOM	AZ	2021	Yuma	SOF Hangar	33,293
SOCOM	AZ	2021	Yuma	SOF Military Free Fall Advanced Training Comp	44,800
SOCOM	AZ	2021	Yuma	SOF Ready Building	14,000
SOCOM	CA	2021	Coronado	SOF ATC Operations Support Facility	14,745
SOCOM	CA	2021	Coronado	SOF SERE Training Facility	15,338
SOCOM	CO	2021	Fort Carson	SOF Tactical Equipment Maintenance Facility	10,116
SOCOM	FL	2021	Hurlburt Field	SOF Combat Aircraft Parking Apron-North	37,038
SOCOM	FL	2021	Hurlburt Field	SOF Special Tactics Operations Facility	43,000
SOCOM	GY	2021	Baumholder	SOF Battalion Annex	10,888
SOCOM	GY	2021	Baumholder	SOF Communications Annex	4,109
SOCOM	GY	2021	Baumholder	SOF Operations Annex	20,543
SOCOM	GY	2021	Baumholder	SOF Support Annex	13,603
SOCOM	JA	2021	Kadena AB	SOF Human Performance Training Center	12,000
SOCOM	NC	2021	Camp Lejeune	SOF Paraloft Expansion	6,228
SOCOM	NC	2021	Fort Bragg	SOF Close Quarters Combat Range	7,100
SOCOM	NC	2021	Fort Bragg	SOF Group Headquarters	48,960
SOCOM	NC	2021	Fort Bragg	SOF Military Working Dog Facility	9,750
SOCOM	VA	2021	Dam Neck	SOF Operations Building Addition	14,400
SOCOM	VA	2021	Dam Neck	SOF Operations Facility Renovation	7,500
SOCOM	VA	2021	Fort Pickett	SOF SOUC Training Facility	35,700
SOCOM	VA	2021	Humphreys Engineer Center	SOF Battalion Operations Facility	35,000
SOCOM	VA	2021	Joint Expeditionary Base Little Creek - Story	SOF Dry Combat Submersible Ops Facility	36,700

Organization	State Country	Fiscal Year	Location Title	Line Item Title	TOA Amount
SOCOM	VA	2021	Joint Expeditionary Base Little Creek - Story	SOF NSWG-2 NSWTG CS/CSS Facility	48,000
SOCOM	WA	2021	Joint Base Lewis-Mcchord	SOF Consolidated Rigging Facility	30,000
SOCOM	WA	2021	Joint Base Lewis-Mcchord	SOF Tactical Equipment Maintenance Facility	26,000
SOCOM	ZC	2021	Classified Location	Training Target Structure	5,200
SOCOM	CA	2022	Coronado	SOF Multi Purpose Canine Facility	5,339
SOCOM	CA	2022	Coronado	SOF NSWG11 Operations Support Facility	4,755
SOCOM	CA	2022	Coronado	SOF UAV Avionics Maintenance & Storage Facili	8,915
SOCOM	CO	2022	Fort Carson	SOF Group HQs Expansion	9,906
SOCOM	FL	2022	Eglin AUX9	SOF Operations and Maintenance Facilities	36,748
SOCOM	FL	2022	Hurlburt Field	SOF Human Performance Training Center	7,822
SOCOM	FL	2022	Hurlburt Field	SOF Small Arms Range	27,836
SOCOM	GA	2022	Fort Benning	SOF MI Battalion Headquarters	25,078
SOCOM	GA	2022	Fort Stewart	SOF Military Working Dog Kennel Facility	4,031
SOCOM	GA	2022	Hunter Army Airfield	SOF Indoor Range	15,500
SOCOM	HI	2022	Pearl City	SOF Indoor Dynamic Shooting Facility	10,798
SOCOM	NC	2022	Camp Lejeune	SOF Training Tank Expansion	12,100
SOCOM	NC	2022	Fort Bragg	SOF Arms Room Addition	4,458
SOCOM	NC	2022	Fort Bragg	SOF Baffle Containment for Range 19C	6,948
SOCOM	NC	2022	Fort Bragg	SOF Joint Intelligence Center	56,100
SOCOM	NC	2022	Fort Bragg	SOF Operations Bldg.	5,000
SOCOM	NC	2022	Fort Bragg	SOF Operations Facility	40,000
SOCOM	NC	2022	Fort Bragg	SOF Supply Support Activity	7,925
SOCOM	NC	2022	Fort Bragg	SOF Tactical Equipment Maintenance Facility	8,097
SOCOM	NC	2022	Fort Bragg	SOF USASOC Headquarters Complex	96,540
SOCOM	VA	2022	Dam Neck	Land Initiative	11,887
SOCOM	VA	2022	Humphreys Engineer Center	SOF Battalion Operations Facility	27,699
SOCOM	ZC	2022	Classified Location	SOF Operations Building	100,000
SOCOM	CA	2023	Coronado	SOF WARCOM Operations Support Facility	76,239
SOCOM	FL	2023	Eglin AFB	SOF Deployment Readiness Warehouse	6,934
SOCOM	FL	2023	Eglin AUX9	SOF Fuel Cell Hangar	11,150
SOCOM	FL	2023	Homestead AFS	SOF Controlled Humidity Warehouse	9,604
SOCOM	FL	2023	Homestead AFS	SOF Rigging and Drying Facility	3,960
SOCOM	FL	2023	Hurlburt Field	SOF Integrated Operations Facility	20,500
SOCOM	FL	2023	Hurlburt Field	SOF Vehicle Shelter	10,297
SOCOM	KY	2023	Fort Campbell	SOF Operations Facility	3,467
SOCOM	NC	2023	Fort Bragg	SOF Battalion Operations Facility	41,000
SOCOM	NC	2023	Fort Bragg	SOF Deployment Facility	8,911
SOCOM	NC	2023	Fort Bragg	SOF Multi-Purpose Range Support Facility	7,426
SOCOM	NC	2023	Fort Bragg	SOF Technical Support Detachment Annex	8,915
SOCOM	NC	2023	Fort Bragg	SOF Vehicle Maintenance Facility	12,376
SOCOM	PA	2023	Harrisburg	SOF Simulator Facility	11,100
SOCOM	VA	2023	Dam Neck	SOF Multi-Purpose Range	32,000

Organization	State Country	Fiscal Year	Location Title	Line Item Title	TOA Amount
SOCOM	VA	2023	Dam Neck	SOF Training Facility Addition	12,178
SOCOM	VA	2023	Joint Expeditionary Base Little Creek - Story	SOF TRADET TWO Operations Facility	25,900
SOCOM	CA	2024	Coronado	SOF SEAL Team SEVENTEEN Ops Facility	18,020
SOCOM	FL	2024	Hurlburt Field	SOF ADD/ALTER Simulator Facility	5,667
SOCOM	FL	2024	Key West	SOF Combat Swimmer Training Facility	12,960
SOCOM	FL	2024	Macdill AFB	SOCCENT Operations Facility	21,181
SOCOM	GA	2024	Fort Benning	SOF Human Performance Training Center	10,645
SOCOM	GA	2024	Fort Benning	SOF RSTA Operations Facility	4,500
SOCOM	KY	2024	Fort Campbell	SOF Readiness Facility	22,000
SOCOM	NC	2024	Fort Bragg	SOF Command and Control Facility	58,811
SOCOM	NC	2024	Fort Bragg	SOF MI Battalion Operations Facility	30,000
SOCOM	NC	2024	Fort Bragg	SOF Mackall Company Operations Facilities	12,248
SOCOM	NC	2024	Fort Bragg	SOF SERE Training Facility	13,168
SOCOM	NM	2024	Cannon AFB	SOF ADAL Simulator Facility For NSAV	6,449
SOCOM	NV	2024	Nellis AFB	SOF Hangar	25,000
SOCOM	VA	2024	Humphreys Engineer Center	SOF Battalion Operations Facility	34,671
SOCOM	VA	2024	Joint Expeditionary Base Little Creek - Story	SOF Combatant Craft Operations Facility	20,650
SOCOM	VA	2024	Joint Expeditionary Base Little Creek - Story	SOF NSWG-4 Finger Piers	4,500
SOCOM	WA	2024	Joint Base Lewis-Mcchord	SOF Battalion Operations Facility	40,615
SOCOM	WA	2024	Joint Base Lewis-Mcchord	SOF Human Performance Training Center	13,545
SOCOM	WA	2024	Joint Base Lewis-Mcchord	SOF Language Facility	13,870
SOCOM	WA	2024	Joint Base Lewis-Mcchord	SOF Tactical Unmanned Aerial Vehicle Hangar	3,437
WHS	VA	2020	Pentagon	Backup Generator	8,670
WHS	VA	2020	Pentagon	Control Tower & Fire Day Station	20,132
WHS	VA	2021	Pentagon	Consolidated Maintenance Complex (RRMC)	23,036
WHS	VA	2021	Pentagon	Replace Switch House 1	14,379
WHS	VA	2022	Pentagon	Parallel Condesing Water Outfall	10,400
WHS	VA	2022	Pentagon	Security Training & Dispatch Facility	24,428
WHS	VA	2023	Pentagon	Construct Fuel Pipeline	8,133
WHS	VA	2023	Pentagon	Security Fencing & Erosion Control	24,765
WHS	VA	2024	Pentagon	North Village Redevelopment	25,500
WHS	VA	2024	Pentagon	Pentagon Corridor 8 Bridge Canopy	6,630
WHS	VA	2024	Pentagon	West End Safety Upgrade	7,711

FY 2020 Military Construction, Defense-Wide
Overseas Contingency Operations (OCO)
European Deterrence Initiative (EDI)
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
Germany				
Defense Logistics Agency				
Germersheim				
EDI: Logistics Distribution Center Annex	46,000	46,000	C	182
Total	**46,000**	**46,000**		

DLA supports the President's EDI initiative to help increase the capability and readiness of U.S. allies and partners. A key enabler for contingency options is sufficiently robust infrastructure at key locations to support military activities.

All FY 2020 OCO funding in the Military Construction, Defense-Wide account is for the OCO for Enduring Requirements category. OCO for Enduring Requirements are enduring in-theater and in-CONUS costs that will likely remain after combat operations cease, and have previously been funded in OCO.

1. COMPONENT	FY 2020 MILITARY CONSTRUCTION PROGRAM	2. DATE *(YYYY MMDD)*
DEFENSE (DLA)		March 2019

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
DLA DISTRIBUTION, GERMERSHEIM, GERMANY	DEFENSE LOGISTICS AGENCY	1.00

6. PERSONNEL	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
b. AS OF YYYMMDD										0
b. END FY										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	46,000.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	31,000.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	0.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	77,000.00

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
441	EDI:LOGISTICS DISTRIBUITION CENTER ANNEX	160,000 SF	46,000	MAR 2018	NOV 2019

9. FUTURE PROJECTS

441	EDI: HAZARDOUS MATERIALS WAREHOUSE	100,000 SF	31,000	DEC 2018	OCT 2020

10. MISSION OR MAJOR FUNCTIONS

DDDE, located in Germersheim, Germany, is the Defense Distribution Center's primary distribution facility on the European continent. Its distribution facilities are strategically positioned in central Europe to take advantage of readily available air, barge, road and rail modes of transportation. The distribution center provides initial surge capability and follow-on sustainment support to all four-service components during the transition to war and major combat operations phases and is actively involved in contingency support to the warfighter operating throughout Europe, the Middle East, and Africa.

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 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		March 2019

3. Installation and Location	4. Project Title
DLA DISTRIBUTION, GERMERSHEIM, GERMANY	EDI: LOGISTICS DISTRIBUTION CENTER ANNEX

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	44110	DDCX2002	46,000

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITY -DISTRIBUTION CENTER	-	-	-	31,504
GENERAL PURPOSE WAREHOUSE (CC 44110)	SF	160,000	192.09	(30,734)
INFORMATION SYSTEMS	LS	-	-	(770)
SUPPORTING FACILITIES.....	-	-	-	9,577
SPECIAL COSTS	LS	-	-	(3,505)
SITE IMPROVEMENTS	LS	-	-	(3,437)
UTILITIES	LS	-	-	(1,432)
ELECTRICAL & COMMUNICATIONS	LS	-	-	(1,203)
SUBTOTAL.....	-	-	-	41,081
CONTINGENCY (5%).....	-	-	-	2,054
ESTIMATED CONTRACT COST.....	-	-	-	43,135
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (6.5%)..	-	-	-	2,804
TOTAL	-	-	-	45,938
TOTAL (ROUNDED)	-	-	-	46,000
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)..	-	-	-	(28,000)
Currency Exchange Rate: € 0.8582/dollar				

10. Description of Proposed Construction:

Construct a permanent, non-combustible, Distribution Center Annex with concrete floors at dock height and 25 feet clear stacking height that provides areas for cross docking, equipment maintenance, storage of pilferable materials, operations space for receiving, shipping, packing, active item walk & pick, ALOC and medium bulk pallet and bin storage and battery charging areas/stations.

The annex shall house ancillary administrative areas with offices, training rooms, conference rooms, storage, break room, restrooms, locker rooms for warehouse workers, with some spaces shared with the Theater Consolidation and Shipping Point (T/SP) Transport Control Function. Provide a collocated but separate area for waiting truck drivers complete with pay phones, restrooms, pass-through window to Transport Control and a separate entrance. The warehouse shall have weather sealed truck doors, loading/unloading docks with dock levelers, fork lift ramp, underfloor heating system and ceiling mounted circulation fans in warehouse storage area, HVAC in administrative areas, fire protection systems and alarms, utility monitoring and control systems, emergency power, wireless and voice and data communication systems, lighting and controls, lightning and grounding protection, intrusion detection system, public address/mass notification system, electronic security system, access control and cyber-security measures.

Access for the handicapped will be provided. Construct a “Green” facility that maximizes

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		March 2019

3. Installation and Location	4. Project Title
DLA DISTRIBUTION, GERMERSHEIM, GERMANY	EDI: LOGISTICS DISTRIBUTION CENTER ANNEX

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	44110	DDCX2002	46,000

energy efficiency and takes advantage of new proven technologies by using alternate energy sources, solar energy, etc.

Special costs include costs for environmental mitigation for work within a bird sanctuary and unexploded ordnance investigation/oversight. Site improvements include paved roadways and access drives, walks, curb & gutters, fencing, gates, stormwater infiltration basin. Utilities include connections & piping for water, sewer, natural gas, storm drainage and related work. Electrical and communications work includes all work 5’ outside the building line, connections to existing electrical & comms, site lighting and related work.

Anti-terrorism Force Protection (ATFP), cyber-security and sustainable design principles will be incorporated into the design and construction. Cost effective energy conserving features will be incorporated into the design. This site is not located in or near a floodplain.

11. REQUIREMENT: 160,00 SQUARE FOOT (SF) **ADEQUATE:** 0 SF **SUBSTANDARD:** 240,000 SF

PROJECT: Construct a Distribution Center Annex in full compliance with all applicable standards and regulations. (C)

REQUIREMENT: DDDE was recently designated as the DLA Distribution Center of Excellence which entails the Theater Consolidation and Shipping Point (Europe) responsible for receipt, processing, consolidation, and reshipment of approximately 200,000 Transaction Control Numbers (TCN’s) per year originating at distribution facilities within CONUS destined for customers in Europe. The recent addition of this critical theater mission adds to the necessity of designing and operating from a facility that is configured to efficiently and effectively perform theater cross docking mission. The proposed facility annex will provide DDDE co-located storage allowing DDDE to meet critical war fighter requirements in the most efficient manner possible. The new facility will also allow DDDE to transition/surge in support of the warfighter especially in the EUCOM AOR.

CURRENT SITUATION: DDDE currently occupies approximately 770,000 SF of warehousing and operational space. Of this total, approximately 540,000 is dedicated to general-purpose storage (covered) and warehouse operations and approximately 200,000 SF to open shed storage. The current facilities have maximum heights ranging from 12 to 18 feet thus preventing the ability to store in a high-rise configuration and maximizing the current square foot layout/structures. The facilities, built in the early 60s, lend themselves well to bulk and pallet storage operations, but do not allow for mechanized movement of the material from centralized receiving to shipping/consolidation areas. Operations are dispersed amongst numerous separate buildings requiring extensive physical movement outside, usually in damp, cold weather conditions, to complete the various distribution processes. Most of the Contingency Operation workload such as container stuffing and air pallet buildup must be performed outdoors, exposing material and employees to unfavorable weather conditions, less than the safest working condition, and slowing the operation, where time is of the essence to meet departing MILAIR flights from Ramstein to Warfighter locations. The same applies for bulk 20-foot container operations going by surface movement.

IMPACT IF NOT PROVIDED: If this project is not provided, DDDE will continue to work in dispersed, inefficient, ineffective and overcrowded facilities and will hinder its ability to meet its mission requirements of receipt, storage, shipping and distribution associated with

1. Component	FY 2020 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		March 2019

3. Installation and Location	4. Project Title
DLA DISTRIBUTION, GERMERSHEIM, GERMANY	EDI: LOGISTICS DISTRIBUTION CENTER ANNEX

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	44110	DDCX2002	46,000

an increase of workload due to European Deterrence Initiative (EDI) Rotational Brigades and other Middle East and African Theater missions. Hindrance to meet the demands throughout the European, Middle East and African Theaters will have an adverse impact for support to the war fighter.

ADDITIONAL: This project meets all applicable DoD criteria. The Defense Logistics Agency certifies that this facility was considered for joint use, as applicable, by other components. Mission requirements, operational considerations, and location are incompatible with use by other components. The project design, development, and construction will integrate sustainable principles, to include Life Cycle cost effective practices, in accordance with Executive Orders, and other applicable laws. This project is outside of the 100-year flood plain. This project was included in the prior year's future-years defense program.

12. Supplemental Data:	
A. Estimated Design Data:	
1. Acquisition Strategy	Design Bid Build
2. Design Data	
(a) Design or Request for Proposal (RFP) Started:	MAR/2018
(b) Percent of Design Completed as of Jan 2019:	35%
(c) Design or RFP Complete:	NOV/2019
(d) Total Design Cost ($000):	3,300
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used?	Yes
3. Construction Data:	
(a) Contract Award:	JUN/2020
(b) Construction Start:	AUG/2020
(c) Construction Complete:	MAY/2022

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

PURPOSE	APPROPRIATION	FISCAL YEAR REQUIRED	AMOUNT ($000)
FURNITURE, FIXTURES & EQUIPMENT	DWCF	FY21	2,000
Security Measures & Access Control System	DWCF	FY21	5,000
Storage Aids System & Materiel Handling Equipment	DWCF	FY21	21,000

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