Defense Logistics Agency
FY 2019 Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
Alaska				
Joint Base Elmendorf-Richardson Air Force Base				
Operations Facility Replacement	14,000	14,000	C	22
Arkansas				
Little Rock Air Force Base				
Hydrant Fueling System Alterations	14,000	14,000	C	26
California				
DLA Distribution, San Joaquin/Tracy				
Main Access Control Point Upgrades	18,800	18,800	C	31
Maine				
Portsmouth Naval Shipyard, Kittery				
Consolidated Warehouse Replacement	11,600	11,600	C	35
New Jersey				
Joint Base McGuire-Dix Lakehurst				
Hot Cargo Hydrant System Replacement	10,200	10,200	C	39
Oklahoma				
McAlester Army Ammunition Plant				
Bulk Diesel System Replacement	7,000	7,000	C	42
Texas				
DLA Distribution, Red River Army Depot				
General Purpose Warehouse	71,500	71,500	C	46
Joint Base San Antonio				
Energy Aerospace Operations Facility	10,200	10,200	C	50
Virginia				
Joint Base Langley Eustis				
Fuel Facilities Replacement	6,900	6,900	C	54
Ground Vehicle Fueling Facility Replacement	5,800	5,800	C	57
Washington				
Joint Base Lewis-McChord				
Refueling Facilities	26,200	26,200	C	61

Defense Logistics Agency
FY 2019 Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
Japan				
Marine Corps Air Base Iwakuni				
Fuel Pier	33,200	33,200	C	70
Kadena Air Base				
Truck Unload Facilities	21,400	21,400	C	66
Total	**250,800**	**250,800**		

1. Component	FY 2019 MILITARY CONSTRUCTION PROGRAM	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation And Location	4. Command	5. Area Construction Cost Index
JOINT BASE ELMENDORF-RICHARDSON AIR FORCE BASE, ALASKA	DEFENSE LOGISTICS AGENCY	2.10

6. PERSONNEL tenant of U.S. Air Force	(1)PERMANENT			(2)STUDENTS			(3)SUPPORTED			(4)TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. AS OF										
b. END FY										

7. INVENTORY DATA *($000)*	
A. TOTAL ACREAGE	
B. INVENTORY TOTAL AS OF 30 SEP 2015	
C. AUTHORIZED NOT YET IN INVENTORY	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	14,000
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
F. PLANNED IN NEXT THREE PROGRAM YEARS	
G. REMAINING DEFICIENCY	
H. GRAND TOTAL	14,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

a. CATEGORY			b. COST	c. DESIGN STATUS	
(1)Code	(2) PROJECT TITLE	(3) SCOPE	*($000)*	(1)START	(2)COMPLETE
121	OPERATIONS FACILITY REPLACEMENT	4,990 SF	14,000	05/17	07/18

9. FUTURE PROJECTS:

a. INCLUDED IN FOLLOWING PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
		NONE	

b. PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
		NONE	

10. MISSION OR MAJOR FUNCTION

Joint Base Elmendorf-Richardson (JBER) host unit is the 673rd Air Base Wing (ABW). JBER is also home to Alaskan Command and the 11th Air Force; U.S. Army Alaska; Alaska Department of Military and Veterans Affairs; Alaska National Guard; 3rd Wing; 176th Wing; 4th Infantry Brigade Combat Team (airborne); 25th Infantry Division; 2nd Engineering Brigade; 477th Fighter Group; and more than 60 other mission partners. The 673 ABW is responsible for providing expeditionary combat support and the day-to-day operations of the installation. Aircraft assigned to JBER: F-22 Raptor, C17 Globemaster III, E-3 Sentry, C-130 Hercules, C12F Huron, UH60 Black Hawk, and JJ60 Pave Hawk.

Deferred sustainment, restoration, and modernization for fuel facilities at this location is $0.3 million.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: *($000)*

A. AIR POLLUTION	0	
B. WATER POLLUTION	0	
C. OCCUPATIONAL SAFETY AND HEALTH	0	

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
JOINT BASE ELMENDORF-RICHARDSON AIR FORCE BASE, ALASKA	OPERATIONS FACILITY REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	121111	DESC1910	14,000

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES.....	-	-	-	6,844
OPERATION FACILITY (CC 121111)	SF	4,990	791	(3,947)
REFUELER PARKING CANOPIES (CC 145921)	SF	37,140	78	(2,897)
SUPPORTING FACILITIES.....	-	-	-	5,606
SITE IMPROVEMENTS	LS	-	-	(2,534)
STORMWATER AND UTILITIES	LS	-	-	(1,662)
DEMOLITION AND SITE PREPARATION	LS	-	-	(755)
ELECTRICAL AND COMMUNICATIONS	LS	-	-	(656)
SUBTOTAL.....	-	-	-	12,450
CONTINGENCY (5%).....	-	-	-	623
ESTIMATED CONTRACT COST.....	-	-	-	13,073
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (6.5%)..	-	-	-	850
TOTAL	-	-	-	13,923
TOTAL (ROUNDED)	-	-	-	14,000
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)..	-	-	-	(400)

10. Description of Proposed Construction:

Construct a fuels operations facility complete with fuels laboratory with recessed flooring, vent hood, hazmat lockers with separate exhaust system, emergency eyewash and related built–in lab equipment, safety features, administrative and support areas. The new facility shall be equipped with high efficiency HVAC systems, mechanical, electrical, and telecom rooms, lighting, direct digital control (DDC) system, fire sprinklers and alarm system, mass notification system, energy management control systems. Refueler parking canopies include head bolt heaters, grounding, and infrastructure for security cameras. The facilities shall be equipped with lightning protection.

Site improvements include refueler truck parking for approximately 28 vehicles, site paving, access drives, and GOV/POV parking for approximately 62 vehicles, and security fencing. Utilities include storm water management, water, sanitary and fire protection.

Demolition includes building #11673 (approximately 1,785 SF), clearing, grubbing, utility relocations and site preparation. Electrical work includes underground duct banks for power & communications and related supporting facility 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 including energy management control systems, high efficiency Heating Ventilation & Air Conditioning (HVAC) systems, and LED lighting.

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
JOINT BASE ELMENDORF-RICHARDSON AIR FORCE BASE, ALASKA	OPERATIONS FACILITY REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	121111	DESC1910	14,000

11. REQUIREMENT: 4,990 SQUARE FOOT (SF) **ADEQUATE:** 0 SF **SUBSTANDARD:** 6,137 SF

PROJECT: Replace petroleum, oil and lubricants (POL) operations facility that supports truck refueling operations at JBER. (C)

REQUIREMENT: Provide a consolidated POL facility to increase efficiency of operations, reduce response times and operations and maintenance costs.

CURRENT SITUATION: The 673rd LRS Fuels Management Flight Operations facilities are no longer located in proximity to aircraft operations due to the departure of F-15s and the arrival of F-22, C-17, and Air National Guard assets in 2007. The new bed down locations of these assets increased the truck service distance to 24 miles per round trip. There are approximately 75 of these missions conducted via refueler truck every day at JBER.

The overall time to aircraft from the existing operations facility does not meet North American Aerospace Defense Command (NORAD), Combat Alert Cell (CAC) and standard training sortie turn-times. Currently routine truck maintenance on R-11, R-12, and C-300 refuelers take place without cover in an area of the country that experiences excessive annual snowfalls and 24-hours of darkness during the winter months.

The current fuel operations and fuel lab does not meet current fueling facility standards and the lab is not compliant with mandatory safety and current design criteria. There is no recessed flooring in the lab, air recirculates throughout the facility due to inadequate ventilation, and fire partitions are not adequate to separate the lab from the remainder of the building.

IMPACT IF NOT PROVIDED: Refueler trucks will continue travelling long-distance routes across JBER roads to fuel aircraft over 75 times a day, violating NORAD and CAC standard training sortie turn-times. Extended travel distances also increase the risk of fuel vehicle accidents.

Because of the long travel routes, maintenance on refueler trucks has increased to over $46k per year. Refuel trucks are also parked in the elements without any shelter from the artic conditions. The refueling fleet experiences an average of 37 cold related mechanical issues per month in the winter, which adds to late response times or insufficient equipment available to accomplish the mission.

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.

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 Air Force requirements.

12. Supplemental Data:	
A. Estimated Design Data:	
1. Acquisition Strategy	Design Bid Build

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
JOINT BASE ELMENDORF-RICHARDSON AIR FORCE BASE, ALASKA	OPERATIONS FACILITY REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	121111	DESC1910	14,000

2. Design Data	
(a) Design or Request for Proposal (RFP) Started:	MAY/2017
(b) Percent of Design Completed as of Jan 2017 (BY-1):	35%
(c) Design or RFP Complete:	JUL/2018
(d) Total Design Cost ($000):	976
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used?	No
3. Construction Data:	
(a) Contract Award:	MAR/2019
(b) Construction Start:	MAY/2019
(c) Construction Complete:	OCT/2021

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

PURPOSE	APPROPRIATION	FISCAL YEAR REQUIRED	AMOUNT ($000)
FURNITURE, FIXTURES & EQUIPMENT	O&M AF	FY20	200
COMMUNICATION & CCTV EQUIPMENT	O&M AF	FY20	200

Point of Contact is DLA Civil Engineer at 703-767-2326

1. Component	FY 2019 MILITARY CONSTRUCTION PROGRAM	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation And Location	4. Command	5. Area Construction Cost Index
LITTLE ROCK AIR FORCE BASE, ARKANSAS	DEFENSE LOGISTICS AGENCY	0.82

6. PERSONNEL tenant of U.S. Air Force	(1)PERMANENT			(2)STUDENTS			(3)SUPPORTED			(4)TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. AS OF										
b. END FY										

7. INVENTORY DATA *($000)*	
A. TOTAL ACREAGE	
B. INVENTORY TOTAL AS OF 30 SEP 2015	
C. AUTHORIZED NOT YET IN INVENTORY	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	14,000
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE PROGRAM YEARS	0
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	14,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

a. CATEGORY			b. COST	c. DESIGN STATUS	
(1)Code	(2) PROJECT TITLE	(3) SCOPE	*($000)*	(1)START	(2)COMPLETE
121	HYDRANT FUELING SYSTEM ALTERATIONS	3,800 SF	14,000	03/17	06/18

9. FUTURE PROJECTS:

a. INCLUDED IN FOLLOWING PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
		NONE	

b. PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
		NONE	

10. MISSION OR MAJOR FUNCTION

Little Rock AFB is part of the Air Mobility Command (AMC). It is home to two airlift wings (19th and 314th) with six C-130 squadrons conducting operations and training. The installation is the sole Department of Defense C-130 training base, Air National Guard C-130 airlift wing, Air Combat Command weapons squadron, and Air Force Reserve aerial port squadron. Air Education and Training Command's 714th Training Squadron is the focal point for all C-130 formal training functions and manages 1,700 C-130H/J students annually.

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

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: *($000)*

A. AIR POLLUTION	0	
B. WATER POLLUTION	0	
C. OCCUPATIONAL SAFETY AND HEALTH	0	

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
LITTLE ROCK AIR FORCE BASE, ARKANSAS	HYDRANT FUELING SYSTEM ALTERATIONS

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	121124	DESC1902	14,000

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES.....	-	-	-	7,013
PUMPHOUSE (CC 121124)	SF	3,800	1,594	(6,057)
FILLSTAND (CC 126925)	OL	2	326,594	(653)
TRUCK UNLOAD (CC 126926)	OL	2	151,288	(303)
SUPPORTING FACILITIES.....	-	-	-	5,591
SITE WORK	LS	-	-	(1,555)
MECHANICAL WORK	LS	-	-	(1,489)
DEMOLITION AND SITE PREPARATION.....	LS	-	-	(1,358)
SITE IMPROVEMENTS	LS	-	-	(1,027)
SITE CIVIL AND UTILITIES.....	LS	-	-	(161)
SUBTOTAL.....	-	-	-	12,604
CONTINGENCY (5%).....	-	-	-	630
ESTIMATED CONTRACT COST.....	-	-	-	13,234
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (5.7%)..				754
TOTAL	-	-	-	13,988
TOTAL (ROUNDED)	-	-	-	14,000
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)..	-	-	-	(2,290)

10. Description of Proposed Construction:

This project will provide a new pump house near the bulk fuel farm, with three 600-GPM pumps, filter separators, a jockey pump and all related piping, piping supports, valves, and appurtenances. The pump house shall contain pump room, control room, fire sprinkler room, restroom and mechanical room, along with emergency shut-off, emergency shower and eyewash, HVAC, fire sprinklers, alarms, bridge crane, pump controls, grounding and lightning protection, power line communications (PLC) for pump control, emergency fuel shut-offs for the new truck unload, all communications and data infrastructure, leak detection panels and environmental management control systems (EMCS) equipment. The HVAC system will connect to the base-wide EMCS system. Anti-terrorism (AT/FP), cyber-security, and sustainable design principles will be incorporated into the design and construction. The pump house will support new fill stands at the flight line, the existing bulk fill stands, and the truck unload and gravity fed drop tanks, located at the bulk fuel farm.

The new fill stands will replace the two existing fill stands on the flight line and shall tie into the existing transfer lines and each will be equipped with two pantographs.

The two new truck unload stations will utilize a gravity fed drop tank off-loading system that will tie into the pump house. Each tank will have two 600-GPM offload pumps. Each station will have spill containment and will tie into a containment basin.

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
LITTLE ROCK AIR FORCE BASE, ARKANSAS	HYDRANT FUELING SYSTEM ALTERATIONS

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	121124	DESC1902	14,000

Site work will include trench excavation and backfill, as well as, excavation for embankments and structures. Grading and compaction work will be included as deemed necessary.

Supporting electrical work includes primary and secondary service & connections, transformers, standby generator, site lighting at both the bulk area and airfield, grounding at truck fill stands, tank level alarms, tank gauging and alarms, product recovery tank and unload drop tank alarms and gauging; underground duct bank with fiber optic connection to the pump house, leak detection and cathodic protection.

Supporting mechanical piping and utilities includes product recovery tank, issue & receipt piping and supports to the bulk tanks, piping and supports from truck unload to drop tanks, piping and supports from the existing fill stands at bulk storage, pipe cleaning (PIG) launcher and receiver and other piping to connect existing facilities to the fuel system.

Demolition and site preparation includes pump houses 1 and 6 (facilities 10 & 70E, approximately 4,171 SF), pump houses 1346E and 1350E (approx. 510 SF), two fill stands at the flight line (facilities 68E and 2E), existing hydrant pits and piping, fourteen underground storage tanks, pavement demolition, modification to existing bulk tank containment dikes, excavation, erosion and sediment control.

Site Improvements include asphalt and concrete paving, spill containment curbing and basins, site walks, site grading and seeding. Civil utilities include storm water piping and improvements, potable water, firewater, sanitary pump station and connections, gates and fencing.

11. REQUIREMENT: 3,800 SQUARE FEET (SF) **ADEQUATE: 0** SF **SUBSTANDARD:** 4,171 SF

PROJECT: Provide a new POL pump house, truck unload, truck fill stands and alter the existing hydrant fuel system. (C)

REQUIREMENT: This project is required to improve fuel throughput at the base. Due to the existing pipeline configuration, it is not possible to simultaneously receive fuel into the Bulk Fuel Facility and issue fuel into the fill stands or perform a tank-to-tank transfer. Additionally, there is no receipt filtration as required by current DoD standards. The new fuel system will replace the existing system and provide an efficient system able to meet the current mission requirements of the base.

CURRENT SITUATION: Refueler trucks are currently the only method of receipt at this installation since decommissioning of the existing receipt pipeline in 2013. The existing 1,200 GPM system does not allow fast enough fueling during peak periods of the base training operations. In addition, the current pumping and piping configuration at the bulk fuel facility allows for either receipt operations or dispensing operations at any point in time, but not for simultaneous receipt and dispensing. Little Rock AFB supports numerous aircraft as a weather evacuation location.

There is no means for receipt filtration, which requires the installation to allow the fuel

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA		2. Date
DEFENSE (DLA)			FEBRUARY 2018
3. Installation and Location		4. Project Title	
LITTLE ROCK AIR FORCE BASE, ARKANSAS		HYDRANT FUELING SYSTEM ALTERATIONS	
5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	121124	DESC1902	14,000

to settle in bulk storage tanks for 24-hours. After the 24-hour settlement period, it is tested and accepted for compliance with fuel quality standards before use.

Further, the existing hydrant system is operating under a waiver because of the proximity of two pump houses near the airfield. In addition the existing hydrant system is no longer in use because aircraft parking plans do not match the hydrant pit locations and the small fuel loads for the C-130s are better suited to truck refueling. The existing hydrant system must undergo monthly flushing maintenance to continue deferment from federal underground storage tank regulations.

IMPACT IF NOT PROVIDED: The current configuration impacts the facility's ability to meet mission requirements during peak periods of training and operations. The Base mission is continually affected since the bulk fuel facilities cannot simultaneously receive and dispense fuel. The systems do not have full functional capability, as there is only one means of fuel receipt, which does not meet DoD standards. In addition, there is no receipt filtration at the facility as required which could detrimentally affect the base mission if off-specification fuel is used. The apron fill stands cannot receive adequate fuel with the existing 300 GPM arrangement and therefore cannot dispense enough fuel to the trucks causing them to have to travel to the bulk fuel site. This causes unnecessary delays, and the need for additional trucks and workers.

The existing hydrant and underground storage tank systems are an environmental liability and require extensive revision to meet mandated EPA standards for overfill prevention, release detection, monitoring, and operating procedures. A failure to comply may incur fines and a shutdown of the system and underground storage tanks. The airfield will continue to operate under a waiver if pump houses remain on the airfield.

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 will meet all applicable DOD criteria to include cyber-security.

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/2017
(b) Percent of Design Completed as of Jan 2018 (BY-1):	35%
(c) Design or RFP Complete:	JUN/2018
(d) Total Design Cost ($000):	1,100
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Standard or definitive design used?	No
3. Construction Data:	
(a) Contract Award:	JAN/2019

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
LITTLE ROCK AIR FORCE BASE, ARKANSAS	HYDRANT FUELING SYSTEM ALTERATIONS

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	121124	DESC1902	14,000

(b) Construction Start:	FEB/2019
(c) Construction Complete:	SEP/2020

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
ENVIRONMENTAL REMEDIATION	DWCF	2019	2,240

Point of Contact is DLA Civil Engineer at 703-767-2326

1. Component	FY 2019 MILITARY CONSTRUCTION PROGRAM	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation And Location	4. Command	5. Area Construction Cost Index
DLA DISTRIBUTION, SAN JOAQUIN/TRACY, CALIFORNIA	DEFENSE LOGISTICS AGENCY	1.24

6. PERSONNEL tenant of U.S. Army	(1)PERMANENT			(2)STUDENTS			(3)SUPPORTED			(4)TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. AS OF										
b. END FY										

7. INVENTORY DATA *($000)*	
A. TOTAL ACREAGE	
B. INVENTORY TOTAL AS OF 30 SEP 2015	
C. AUTHORIZED NOT YET IN INVENTORY	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	18,800
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE PROGRAM YEARS	
G. REMAINING DEFICIENCY	
H. GRAND TOTAL	18,800

8. PROJECTS REQUESTED IN THIS PROGRAM:

a. CATEGORY			b. COST	c. DESIGN STATUS	
(1)Code	(2) PROJECT TITLE	(3) SCOPE	*($000)*	(1)START	(2)COMPLETE
141	MAIN ACCESS CONTROL POINT UPGRADES	4,468 SF	18,800	05/17	11/18

9. FUTURE PROJECTS:

a. INCLUDED IN FOLLOWING PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
		NONE	

b. PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
		NONE	

10. MISSION OR MAJOR FUNCTION

Defense Distribution Depot San Joaquin is the DoD’s Western Strategic Distribution Platform and DLA’s primary distribution point to the western U.S., Pacific Theater, and Indian Ocean areas. DLA Distribution San Joaquin coordinates global materiel distribution and other logistics activities in support of U.S. forces worldwide, warehouses and manages assigned DLA and service materiel, and optimizes downstream supply chain activities in order to deliver, on time, whatever the warfighter needs.

Deferred sustainment, restoration, and modernization for fuel facilities at this location is $41 million.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: *($000)*

A. AIR POLLUTION	0	
B. WATER POLLUTION	0	
C. OCCUPATIONAL SAFETY AND HEALTH	0	

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
DLA DISTRIBUTION SAN JOAQUIN/TRACY, CALIFORNIA	MAIN ACCESS CONTROL POINT UPGRADES

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	14113	DDCX1902	18,800

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES	-	-	-	4,280
GATE HOUSE (CC 14113)	SF	933	1,256	(1,172)
VISITOR CONTROL CENTER (CC14113)	SF	2,730	361	(986)
ACTIVE BARRIERS (CC 14915).....	EA	4	242,226	(969)
INSPECTION BUILDING (CC 14113)	SF	649	911	(591)
SPECIAL COSTS	LS	-	-	(271)
CANOPIES (CC 14179)	SF	7,152	19	(136)
GUARD BOOTHS (CC 14113)	SF	120	931	(112)
OVER WATCH BUILDING (CC14113)	SF	36	1,203	(43)
SUPPORTING FACILITIES.....	-	-	-	12,634
SITE IMPROVEMENTS	LS	-	-	(6,067)
ELECTRICAL,COMMUNICATIONS/CYBER-SECURITY	LS	-	-	(4,118)
DEMOLITION AND SITE PREPARATION.....	LS	-	-	(2,449)
SUBTOTAL….....	-	-	-	16,914
CONTINGENCY (5%)…....	-	-	-	846
ESTIMATED CONTRACT COST….....	-	-	-	17,760
SUPERVISION, INSPECTION & OVERHEAD (SIOH)(5.7%)...	-	-	-	1,012
TOTAL	-	-	-	18,772
TOTAL (ROUNDED)	-	-	-	18,800
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)..	-	-	-	(570)

10. Description of Proposed Construction:

Upgrade the main gate access control point (ACP) at Defense Depot San Joaquin, California. ACP facilities are comprised of a gatehouse, a visitor control center (VCC), active barriers, vehicle inspection facility with under vehicle inspection system, guard booths and over-watch buildings. The facilities will have fire suppression and alarm systems, mass notification systems, heating, ventilation and air condition (HVAC) systems, electrical power and communications, building automation systems, energy monitoring and control systems and utilities.

Special costs include temporary trailers to maintain access control during construction. Provide canopies over the vehicle inspection facility and at guard booths/ID checkpoint.

Site Improvements include all paving, walks, curbing, visitor center parking for approximately 40 vehicles, six spaces for security vehicle parking near the guard booths, one parking space near the over-watch building, security fencing, sliding gates, passive barriers, landscaping and related site work and intersection improvements, utilities including water, fire water and hydrants, sanitary sewer, natural gas, storm drainage, low impact development features, connections and related work.

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
DLA DISTRIBUTION SAN JOAQUIN/TRACY, CALIFORNIA	MAIN ACCESS CONTROL POINT UPGRADES

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	14113	DDCX1902	18,800

Electrical and communications work includes power and controls for active vehicle barriers, connectivity for CCTV between the ACP and Base Dispatch, primary and secondary power and connections, emergency generator, power for motorized gate, transformers, under vehicle lighting and camera system at the vehicle inspection area, street lighting, communication, CCTV and California Law Enforcement Telecom system interface, site & security lighting, traffic signalization and related work.

Demolition and site preparation includes the demolition of existing guard booth 109, inspection canopy 119, and warehouse 3 (175,602 SF); removal of pavements, fencing, power poles, site clearing and related activities.

Anti-Terrorism Force Protection (ATFP), cyber-security and sustainable design principles will be incorporated into the design and construction. The VCC will be accessible for individuals with disabilities and will have additional design features to achieve LEED Silver standards. The facilities will meet Army standard ACP criteria.

11. REQUIREMENT: 4,468 SQUARE FEET (SF) **ADEQUATE:** 0 SF **SUBSTANDARD:** 175,602 SF

PROJECT: Construct a permanent ACP at the Main Gate (C)

REQUIREMENT: To provide a Unified Facilities Criteria compliant ACP with VCC at the main gate of Defense Distribution Depot San Joaquin, that eliminates and/or mitigates potential security threats to the depot and its employees. This includes corrective action for items identified during the installation’s site assessment by the Joint Staff Integrated Vulnerability Assessment team from the United States Army Corps of Engineers Protective Design Center and the United States Army Transportation Engineering Agency. This project will consolidate two gates used by employees and visitors to the installation, and will mitigate traffic issues on the public roadway used to access the installation.

CURRENT SITUATION: The 58-year old existing ACP does not meet current DoD requirements for ACPs. The existing installation entrance lacks essential vehicle inspection and barrier systems to detect and stop threat vehicles from entering the compound. The ACP lacks adequate traffic queuing lanes, insufficient approach areas, access control and response zones, inadequate inspection areas, inadequate security fencing and barriers, and an area to securely process visitors. These deficiencies leave the installation facilities and occupants vulnerable to vehicle-borne threats.

IMPACT IF NOT PROVIDED: Critical DoD logistic and security operations will be vulnerable to disruption and potentially long-term denial of service, which could have an immediate impact on the command and control of these worldwide operations. Traffic along the city roadway will continue to experience congestion while vehicles wait to enter the base, experience delays by inadequate visitor processing and delays while vehicles denied entry turn around. Installation security forces will continue utilizing inadequate facilities to inspect incoming trucks and automobiles, fencing will continue to be susceptible to vehicle-borne threats.

ADDITIONAL: This project meets Army access control requirements criteria and all applicable DoD criteria to include cyber-security requirements. This site is outside of the 100-year floodplain.

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
DLA DISTRIBUTION SAN JOAQUIN/TRACY, CALIFORNIA	MAIN ACCESS CONTROL POINT UPGRADES

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	14113	DDCX1902	18,800

12. Supplemental Data:	
A. Estimated Design Data:	
1. Acquisition Strategy:	Design Bid Build
2. Design Data	
(a) Design or Request for Proposal (RFP) Started:	MAY/2017
(b) Percent of Design Completed as of Jan 2018 (BY-1):	35%
(c) Design or RFP Complete:	NOV/2018
(d) Total Design Cost ($000):	1,504
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used?	Yes
2. Construction Data:	
(a) Contract Award:	JAN/2019
(b) Construction Start:	MAR/2019
(c) Construction Complete:	JUN/2021

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

PURPOSE	APPROPRIATION	FISCAL YEAR REQUIRED	AMOUNT ($000)
FURNITURE	DWCF	2021	80
SECURITY/ACCESS CONTROL SYSTEM	DWCF	2019	440
INFORMATION SYSTEMS	DWCF	2020	50

Point of Contact is DLA Civil Engineer at 703-767-2326

1. Component	FY 2019 MILITARY CONSTRUCTION PROGRAM	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation And Location	4. Command	5. Area Construction Cost Index
PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE	DEFENSE LOGISTICS AGENCY	1.05

6. PERSONNEL tenant of U.S. Navy	(1)PERMANENT			(2)STUDENTS			(3)SUPPORTED			(4)TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. AS OF										
b. END FY										

7. INVENTORY DATA *($000)*	
A. TOTAL ACREAGE	
B. INVENTORY TOTAL AS OF 30 SEP 2015	
C. AUTHORIZED NOT YET IN INVENTORY	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	11,600
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
F. PLANNED IN NEXT THREE PROGRAM YEARS	
G. REMAINING DEFICIENCY	
H. GRAND TOTAL	11,600

8. PROJECTS REQUESTED IN THIS PROGRAM:

a. CATEGORY			b. COST	c. DESIGN STATUS	
(1)Code	(2) PROJECT TITLE	(3) SCOPE	*($000)*	(1)START	(2)COMPLETE
441	CONSOLIDATED WAREHOUSE REPLACEMENT	29,200 SF	11,600	10/16	12/18

9. FUTURE PROJECTS:

a. INCLUDED IN FOLLOWING PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
		NONE	

b. PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
		NONE	

10. MISSION OR MAJOR FUNCTION

Portsmouth Naval Shipyard's primary mission is the overhaul, repair, and modernization of Los Angeles-class submarines. DLA Land and Maritime provides logistics support to the Navy, and in conjunction with them, are responsible for quality control, storage and distribution of the Fleet inventory of Level I/Subsafe components.

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

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: *($000)*

A. AIR POLLUTION	0	
B. WATER POLLUTION	0	
C. OCCUPATIONAL SAFETY AND HEALTH	0	

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE	CONSOLIDATED WAREHOUSE REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	44110	DDCC1901	11,600

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES	-	-	-	8,709
STORAGE WAREHOUSE (CC 44110)	SF	29,200	285.39	(8,333)
SPECIAL COSTS (SDD, CYBER, PCAS & OMSI)	LS	-	-	(376)
SUPPORTING FACILITIES	-	-	-	1,664
SITE IMPROVEMENTS & PAVING	LS	-	-	(627)
SITE PREP AND DEMOLITION	LS	-	-	(536)
SPECIAL FOUNDATIONS	LS	-	-	(433)
UTILITIES	LS	-	-	(68)
SUBTOTAL	-	-	-	10,374
CONTINGENCY (5%)	-	-	-	519
ESTIMATED CONTRACT COST….....	-	-	-	10,892
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (5.7%)..	-	-	-	621
TOTAL	-	-	-	11,513
TOTAL (ROUNDED)	-	-	-	11,600
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)..	-	-	-	(8,559)

10. Description of Proposed Construction:

Construct a one-story, high-bay steel framed storage warehouse addition with an insulated pitched metal standing seam roof set on a reinforced concrete floor slab and foundation to match the existing warehouse. This project constructs a new warehouse addition to building 170 and includes staging areas, scale, mechanized overhead doors, utility services, fire suppression, fire pumps, alarm and security systems, grounding and lightning protection, anti-terrorism force protection and related work. Special costs include cybersecurity, building commissioning, Post Construction Award Services (PCAS) and Operations, Maintenance and Support Information (OMSI).

Site improvements include all paving, walks, POV parking and restriping, fencing, and gates, topsoil, seed and landscaping, and storm water management. Demolition and site preparation includes tree removal, clearing & grubbing, removal of paving and walks, removal of unsuitable soil, erosion and sediment control. Special foundations include bedrock excavation, grade beams, footings, and piers. Utilities include electrical, fire, water, sanitary services, connections, and utility relocations.

Anti-terrorism force protection (AT/FP), cyber-security, and sustainable design principles will be incorporated into the design and construction.

11. REQUIREMENT: 191,261 SQUARE FEET (SF) **ADEQUATE:** 6,336 SF **SUBSTANDARD:** 191,261 SF

PROJECT: Provide a warehouse addition to consolidate storage and replace existing, inadequate storage. (C)

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA		2. Date
DEFENSE (DLA)			FEBRUARY 2018
3. Installation and Location		**4. Project Title**	
PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE		CONSOLIDATED WAREHOUSE REPLACEMENT	
5. Program Element	**6. Category Code**	**7. Project Number**	**8. Project Cost ($000)**
0702976S	44110	DDCC1901	11,600

REQUIREMENT: DLA Maritime at Portsmouth Naval Shipyard (PNS) requires a 29,200 SF addition to the existing warehouse Building 170. This project completes the consolidation of a submarine component facility that will enhance the joint ability of the DLA and Navy to receive, inspect, and distribute submarine components for worldwide fleet support.

CURRENT SITUATION: DLA Maritime operates out of multiple, old facilities at the Portsmouth Naval Shipyard. The new facility will replace storage in buildings 132 and 149. The 1920's facilities are inadequate in size and capability. They are in failed or rapidly failing condition and are beyond economical repair. Wooden roofs and wall systems require on-going maintenance to prevent leaks during inclement weather. Damage to wood stored in Building 149 is common due to the leaky roof.

Operations are also logistically inefficient due to inadequate floor loading capacity and the lack of modern material handling systems, requiring all stored materials to be manually loaded/unloaded via forklifts, itemized and placed in aging storage racks. The existing buildings lack automatic fire suppression, alarms, and detection systems. The buildings lack sufficient lighting, do not have emergency lighting or signage, phone or data service.

The facilities lack insulation and have inadequate heating and ventilation systems. Utility systems have failed in several facilities and steam leaks have resulted in mold growth. Restrooms in some locations are not operational due to ruptured water lines. The lack of adequate heating necessitates reliance on temporary electric heaters, increasing the risk of fire. The use of temporary heaters has resulted in Occupational Safety and Health (OSH) deficiencies, and, in one case, a fire resulting from an overloaded electrical panel.

IMPACT IF NOT PROVIDED: DLA will continue operating in dilapidated and inefficient facilities as well as rely on the use of outdoor storage areas because existing facilities are undersized. The continued exposure of materials to the elements causes accelerated deterioration. Prior to their use, removal of surface rust from metal components results in higher repair shop operating costs.

Continued reliance on forklifts increases the risk of personnel injury when multiple movements of heavy material occur to accommodate additional storage in inefficient, dark, and wet locations. The cold working environment increases the risk to worker safety, sometimes forcing the use of gloves and bulky clothing to perform routine functions. The need to travel between buildings takes personnel away from their primary duty area and causes delays, resulting in an inefficient flow of components and personnel.

Energy, operating and maintenance costs will continue to rise without this project. Working conditions in poorly lit, inadequate, deteriorating facilities is a safety risk and negatively affects worker morale and productivity.

ADDITIONAL: This project will meet applicable UFC and DoD criteria to include cyber-security. This project will integrate sustainable principles into design and construction. This project is suitable for joint-use. The site is outside of the 100-year floodplain.

12. Supplemental Data:	
A. Estimated Design Data:	

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE	CONSOLIDATED WAREHOUSE REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	44110	DDCC1901	11,600

1. Acquisition Strategy:	Design Bid Build
2. Design Data	
(a) Design or Request for Proposal (RFP) Started:	OCT/2016
(b) Percent of Design Completed as of Jan 2018 (BY-1):	35%
(c) Design or RFP Complete:	DEC/2018
(d) Total Design Cost ($000):	1,160
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used?	Yes
3. Construction Data	
(a) Contract Award:	APR/2019
(b) Construction Start:	MAY/2019
(c) Construction Complete:	MAY/2021

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

PURPOSE	APPROPRIATION	FISCAL YEAR REQUIRED	AMOUNT ($000)
RACKS	OPN	2020	1,441
AUTOMATIC STORAGE & RETRIEVAL SYSTEM	OPN	2020	6,916
SCALE	OPN	2020	202

Point of Contact is DLA Civil Engineer at 703-767-2326

1. Component	FY 2019 MILITARY CONSTRUCTION PROGRAM	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation And Location	4. Command	5. Area Construction Cost Index
JOINT BASE McGUIRE-DIX-LAKEHURST, NEW JERSEY	DEFENSE LOGISTICS AGENCY	1.23

6. PERSONNEL tenant of U.S. Air Force	(1)PERMANENT			(2)STUDENTS			(3)SUPPORTED			(4)TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. AS OF										
b. END FY										

7. INVENTORY DATA *($000)*	
A. TOTAL ACREAGE	
B. INVENTORY TOTAL AS OF 30 SEP 2015	
C. AUTHORIZED NOT YET IN INVENTORY	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,200
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
F. PLANNED IN NEXT THREE PROGRAM YEARS	
G. REMAINING DEFICIENCY	
H. GRAND TOTAL	10,200

8. PROJECTS REQUESTED IN THIS PROGRAM:

a. CATEGORY			b. COST	c. DESIGN STATUS	
(1)Code	(2) PROJECT TITLE	(3) SCOPE	*($000)*	(1)START	(2)COMPLETE
125	HOT CARGO HYDRANT SYSTEM REPLACEMENT	3,800	10,200	03/16	04/18

9. FUTURE PROJECTS:

a. INCLUDED IN FOLLOWING PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
		NONE	

b. PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
		NONE	

10. MISSION OR MAJOR FUNCTION

Joint Base McGuire-Dix-Lakehurst (JB MDL) is a tri-service military installation combining McGuire AFB, Fort Dix and Naval Air Engineering Station Lakehurst. The 87th Air Base Wing provides installation management to JB MDL and mission-ready, expeditionary Airmen to support Unified Combatant Commanders in on-going military operations. McGuire tenant wing includes the 305th Air Mobility Wing, Air Force Reserve Command's 514 AMW, and 108 Air Refueling Wing of the New Jersey Air National Guard. Fort Dix is a FORSCOM Power Projection Platform for the Northeastern US under the command and control of the US Army Reserve Command. Primary missions include being the center of excellence for training, mobilizing and deploying Army Reserve and National Guard units. Lakehurst is an activity of the Naval Air Systems Command and is used for various Naval Aviation development programs.

Deferred sustainment, restoration, and modernization for facilities at this location is $0.83 million.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: *($000)*

A. AIR POLLUTION	0	
B. WATER POLLUTION	0	
C. OCCUPATIONAL SAFETY AND HEALTH	0	

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
JOINT BASE McGUIRE-DIX-LAKEHURST, NEW JERSEY	HOT CARGO HYDRANT SYSTEM REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	125554	DESC1806	10,200

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES	-	-	-	6,954
PIPELINE (CC 125554)	LF	3,800	1,653	(6,281)
HYDRANT FUELING PITS (CC 121122)	OL	1	672,740	(673)
SUPPORTING FACILITIES	-	-	-	2,225
CIVIL, MECHANICAL & UTILITIES	LS	-	-	(1,070)
SITE IMPROVEMENTS	LS	-	-	(621)
DEMOLITION & SITE PREPARATION	LS	-	-	(285)
ELECTRICAL UTILITIES	LS	-	-	(249)
SUBTOTAL	-	-	-	9,179
CONTINGENCY (5%)	-	-	-	459
ESTIMATED CONTRACT COST	-	-	-	9,638
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (5.7%)	-	-	-	549
TOTAL	-	-	-	10,187
TOTAL (ROUNDED)	-	-	-	10,200
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)	-	-	-	

10. Description of Proposed Construction:
This project will replace the existing fuel piping and one hydrant pit located on the Hot Cargo Loading Area (HCLA) at JB McGuire-Dix. Provide a 14" piping hydrant loop, one 900-Gallon Per Minute (GPM) hydrant outlet pit and all piping, valves, valve vaults, high/low vent and drain pits to supply fuel from the existing hydrant fuel system. Install piping under the taxiway using micro-tunneling techniques.

Civil, mechanical and utilities include replacing pump impellers at the existing pump house to maintain flow rates and pressures as needed, the installation of fire water lines for fire protection, duct banks, cathodic protection, and grounding.

Site Improvements include new pavements, and pavement markings. Demolition includes saw cutting and removal of pavements & piping as needed and related site work. Provide new emergency fuel shutoff (EFSO) stations near the new hydrant fueling position to allow shutoff of the hydrant systems in the event of an emergency.

11. REQUIREMENT: 3,800 LINEAR FEET (LF) **ADEQUATE: 83,500 LF** **SUBSTANDARD:** 3,800 LF

PROJECT: Replace Hot Cargo Loading Area jet fueling hydrant and connect piping to the existing fueling system. (C)

REQUIREMENT: Aircraft carrying hot cargo must maintain a quantity-distance (QD) separation from other aircraft, permanent structures, and normal operating areas for flight line

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
JOINT BASE McGUIRE-DIX-LAKEHURST, NEW JERSEY	HOT CARGO HYDRANT SYSTEM REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	125554	DESC1806	10,200

personnel. Refueling while hot cargo is onboard must occur away from other permanent structures at a HCLA sited to meet safety arc criteria.

CURRENT SITUATION: Due to failure of pipe welds, the existing hydrant loop piping to HCLA pits 1 and 2 are no longer connected and aircraft on the HCLA must be refueled using tanker trucks.

IMPACT IF NOT PROVIDED: Inability to provide safe and efficient fueling for aircraft carrying hazardous cargo. This location supports large aircraft that are best suited to fueling via hydrant system. Refueling operations will continue using tanker trucks resulting in increased man-hours spent on refueling, and longer aircraft turn-around times. Use of tanker trucks at this location increases the possibility of fuel spills, accidents, and vapor emissions. Increased operational risk will continue due to refueling vehicle proximity and maneuvering around aircraft wingtips. Use of tanker trucks for refueling will continue incurring high operation and maintenance costs.

ADDITIONAL: This project will meet all applicable Air Force, UFC, NFPA, cyber-security and similar codes & requirements. The project has been fully coordinated with the user and appropriate agencies and approved by the Installation Commander.

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/2016
(b) Percent of Design Completed as of Jan 2018 (BY-1):	35%
(c) Design or RFP Complete:	APR/2018
(d) Total Design Cost ($000):	922
(e) Energy Study and/or Life Cycle Analysis performed:	N/A
(f) Standard or definitive design used?	Yes
3. Construction Data:	
(a) Contract Award:	JAN/2019
(b) Construction Start:	FEB/2019
(c) Construction Complete:	MAR/2021

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

PURPOSE	APPROPRIATION	FISCAL YEAR REQUIRED	AMOUNT ($000)
Soil Remediation	DWCF	20	100

Point of Contact is DLA Civil Engineer at 703-767-2326

1. Component	FY 2019 MILITARY CONSTRUCTION PROGRAM	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation And Location	4. Command	5. Area Construction Cost Index
McALESTER ARMY AMMUNITION PLANT, OKLAHOMA	DEFENSE LOGISTICS AGENCY	0.88

6. PERSONNEL tenant of U.S. Army	(1)PERMANENT			(2)STUDENTS			(3)SUPPORTED			(4)TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. AS OF										
b. END FY										

7. INVENTORY DATA *($000)*	
A. TOTAL ACREAGE	
B. INVENTORY TOTAL AS OF 30 SEP 2015	
C. AUTHORIZED NOT YET IN INVENTORY	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	7,000
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
F. PLANNED IN NEXT THREE PROGRAM YEARS	
G. REMAINING DEFICIENCY	
H. GRAND TOTAL	7,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

a. CATEGORY			b. COST	c. DESIGN STATUS	
(1)Code	(2) PROJECT TITLE	(3) SCOPE	*($000)*	(1)START	(2)COMPLETE
411	BULK DIESEL SYSTEM REPLACEMENT	3,571	7,000	03/17	12/18

9. FUTURE PROJECTS:

a. INCLUDED IN FOLLOWING PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
		NONE	

b. PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
		NONE	

10. MISSION OR MAJOR FUNCTION

McAlester Army Ammunition Plant is a weapons manufacturing facility in McAlester, Oklahoma. Its mission is to produce and renovate conventional ammunition and ammunition related components. The plant stores war reserve and training ammunition. McAlester performs manufacturing, industrial engineering, and production product assurance. The plant also receives, demilitarizes, and disposes of conventional ammunition components.

Deferred sustainment, restoration, and modernization for facilities at this location is $1M.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: *($000)*

A. AIR POLLUTION	0	
B. WATER POLLUTION	0	
C. OCCUPATIONAL SAFETY AND HEALTH	0	

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
McALESTER ARMY AMMUNITION PLANT, OKLAHOMA	BULK DIESEL SYSTEM REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	44130	DESC18S2	7,000

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES	-	-	-	3,666
ABOVE GROUND BULK STORAGE (CC 44130)	BL	3,571	480	(1,714)
TRUCK LOAD/UNLOAD (CC 12630)	OL	1	1,736,00	(1,736)
POL OPS BUILDING (CC 14164)	SF	220	798	(176)
SPECIAL COSTS	LS	-	-	(40)
SUPPORTING FACILITIES	-	-	-	2,611
DEMOLITION AND SITE PREPARATION	LS	-	-	(937)
ELECTRICAL AND COMMUNICATIONS	LS	-	-	(647)
SITE IMPROVEMENTS	LS	-	-	(509)
CIVIL STORMWATER AND UTILITIES	LS	-	-	(280)
ENVIRONMENTAL MITIGATION	LS	-	-	(238)
SUBTOTAL	-	-	-	6,277
CONTINGENCY (5%)	-	-	-	314
ESTIMATED CONTRACT COST	-	-	-	6,591
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (5.7%)	-	-	-	376
TOTAL	-	-	-	6,966
TOTAL (ROUNDED)	-	-	-	7,000
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)	-	-	-	2,209

10. Description of Proposed Construction:

Construct a Diesel Bulk Storage Facility for McAlester Army Ammunition Plant (MCAAP) consisting of multiple fuel storage tanks (totaling 150,000 gallons), tank truck load and unload, and POL operations building.

The above ground storage tanks will be double-walled horizontal tanks with manways, pumps, internal ladders stairs, catwalks, platforms, and handrails with curbed concrete containment basins below.

The joint tank truck off-loading/refueler truck fill stand will be complete with canopy, loading platform and stairs, piping to/from bulk tanks, metering, valves and pipe supports, pumps, filters, concrete containment and related appurtenances.

The (POL) operations building will consist of one workspace, storage and mechanical room with fire alarm detection system, grounding and communications, lightning protection, .

Special costs include a temporary fuel storage system to allow for existing tank demolition. Project will provide required spill containment and storm water management systems. Supporting facilities include demolition of the existing bulk storage tank, four above ground fuel tanks, one truck offload facility, one truck fill stand, two pump houses, the existing POL operations building, foundations, aboveground piping, supports & appurtenances,

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
McALESTER ARMY AMMUNITION PLANT, OKLAHOMA	BULK DIESEL SYSTEM REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	44130	DESC18S2	7,000

underground issue piping, gravel surfacing, site clearing & grading.

Electrical and communications work include underground primary and secondary service, communications, pad mounted transformers, emergency generator, site lighting, automatic tank gauging system, lightning protection, offload and fill stand grounding & lighting protection, emergency power down switches, and pump connections.

Site improvements include all paving, roadways, walks, containment basin, emergency eyewash & shower, fencing, automated gates, bollards, soil preparation and seeding.

Civil storm water and utilities include water piping and connections, fire hydrants, storm drainage system.

Environmental mitigation includes soil excavation and removal/remediation.

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

11. REQUIREMENT: 3,571 Barrels (BL) **ADEQUATE:** 0 SF **SUBSTANDARD:** 13,929 BL

PROJECT: Replace Bulk Diesel Storage and Loading Facility (C).

REQUIREMENT: MCAAP requires bulk diesel capability to complete their mission and everyday manufacturing activities. On average, MCAAP issues 40,000 gallons of diesel fuel a month. New diesel bulk tanks will allow MCAAP to meet their mission in the event of an emergency and will result in a 79% decrease from the current storage infrastructure.

The new system will also meet all current State and Federal environmental regulations and allow MCAAP to be in environmental compliance for the first time since 2006.

CURRENT SITUATION: The existing bulk diesel system, built in 1972, utilizes a single 585,000-gallon bulk diesel tank. The tank is oversized and exceeds the needs of the installation. As a result, condensation accumulates in the tank and diminishes fuel quality. According to a recent inspection the diesel system is in a state of disrepair and is in need of repairs that will cost in excess of $900,000.

In addition, MCAAP self-reported a compliance deficiency to the Environmental Protection Agency for the tank containment system. Damage to the existing clay-lined berm prevents proper containment and no longer provides protection as required.

The unloading rack and associated piping lacks secondary containment and does not comply with current state and federal environmental regulations. In addition, there are no thermal reliefs in the system to relieve pressure as fuel expands due to temperature.

IMPACT IF NOT PROVIDED: Condensation in the storage tank will continue to affect fuel quality. The risk of system failure will continue to rise with use of the fuel system in its present condition. Thermal expansion, if not relieved could increase pressure to the point of system failure. The lack of containment within the berm will result in a direct release to the environment with any tank discharge. The proximity of MCAAP to the local community's

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
McALESTER ARMY AMMUNITION PLANT, OKLAHOMA	BULK DIESEL SYSTEM REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	44130	DESC18S2	7,000

potable water supply will exacerbate any environmental release, making DLA and the Army susceptible to costly remediation. MCAAP will be at increasing risk to enforcement actions by the EPA. The EPA can move the self-reported containment deficiency to a Notice of Violation (NOV). Additionally, the loss of this system would negatively affect MCAAP's day-to-day operations.

This project will meet all applicable DoD criteria to include cyber-security. The site is outside of the 100-year floodplain.

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/2017
(b) Percent of Design Completed as of Jan 2018 (BY-1):	35%
(c) Design or RFP Complete:	DEC/2018
(d) Total Design Cost ($000):	780
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used?	No
3. Construction Data:	
(a) Contract Award:	MAR/2019
(b) Construction Start:	APR/2019
(c) Construction Complete:	MAY/2021

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

PURPOSE	APPROPRIATION	FISCAL YEAR REQUIRED	AMOUNT ($000)
CONTAMINATED SOIL REMOVAL & REMEDIATION	DWCF	2019	496
AUTOMATIC TANK GAUGING	DWCF	2020	43
FURNITURE, FIXTURES & EQUIPMENT	DWCF	2020	65
SECURITY/ACCESS CONTROL SYSTEM	DWCF	2020	100
RACK SYSTEM & MHE	DWCF	2020	1,500
INFO SYS	DWCF	2020	5

Point of Contact is DLA Civil Engineer at 703-767-2326

1. Component	FY 2019 MILITARY CONSTRUCTION PROGRAM	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation And Location	4. Command	5. Area Construction Cost Index
DLA DISTRIBUTION, RED RIVER ARMY DEPOT, TEXAS	DEFENSE LOGISTICS AGENCY	0.82

6. PERSONNEL tenant of U.S. Army	(1)PERMANENT			(2)STUDENTS			(3)SUPPORTED			(4)TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. AS OF										
b. END FY										

7. INVENTORY DATA *($000)*	
A. TOTAL ACREAGE	
B. INVENTORY TOTAL AS OF 30 SEP 2015	
C. AUTHORIZED NOT YET IN INVENTORY	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	71,500
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
F. PLANNED IN NEXT THREE PROGRAM YEARS	
G. REMAINING DEFICIENCY	
H. GRAND TOTAL	71,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

a. CATEGORY			b. COST	c. DESIGN STATUS	
(1)Code	(2) PROJECT TITLE	(3) SCOPE	*($000)*	(1)START	(2)COMPLETE
441	GENERAL PURPOSE WAREHOUSE	448,820 SF	71,500	12/16	08/18

9. FUTURE PROJECTS:

a. INCLUDED IN FOLLOWING PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
		NONE	

b. PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
		NONE	

10. MISSION OR MAJOR FUNCTION

Defense Distribution Depot Red River Texas (DDRT) occupies 800 acres with a primary mission to receive, store, physically inventory, package, pack and perform shipment of assigned items. DDRT is located adjacent to the Red River Army Depot (RRAD). RRAD has the only Department of Defense capability for the remanufacture of road wheel and tracked vehicle systems to include Tactical Wheeled Vehicles, the Bradley Fighting Vehicle, and Multiple Launch Rocket System. RRAD supports deployments to Southwest Asia to maintain vehicle and system support.

Deferred sustainment, restoration, and modernization for distribution facilities at this location is $89.9 million.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: *($000)*		
A. AIR POLLUTION	0	
B. WATER POLLUTION	0	
C. OCCUPATIONAL SAFETY AND HEALTH	0	

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
DLA DISTRIBUTION, RED RIVER ARMY DEPOT, TEXAS	GENERAL PURPOSE WAREHOUSE

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	441110	DDRT1901	71,500

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES.....	-	-	-	50,716
GENERAL PURPOSE WAREHOUSE (CC 44110)	SF	448,820	113	(50,716)
SUPPORTING FACILITIES.....	-	-	-	13,641
DEMOLITION AND SITE PREPARATION	LS	-	-	(8,588)
SITE IMPROVEMENTS	LS	-	-	(2,579)
CIVIL AND MECHANICAL UTILITIES.....	LS	-	-	(1,469)
ELECTRICAL, COMMUNICATION AND UTILITIES	LS	-	-	(1,005)
SUBTOTAL.....	-	-	-	64,357
CONTINGENCY (5%).....	-	-	-	3,218
ESTIMATED CONTRACT COST.....	-	-	-	67,575
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (5.7%)..	-	-	-	3,852
TOTAL	-	-	-	71,427
TOTAL (ROUNDED)	-	-	-	71,500
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)..	-	-	-	(5,767)

10. Description of Proposed Construction:

Construct a General Purpose Warehouse (GPW) with concrete floors and 26-foot clear stacking height, weather-sealed truck doors, and loading/unloading docks with dock levelers. The facility will include space for forklift battery charging, administrative offices, restrooms, locker rooms, employee lunch/break room, and mechanical, electrical and telecom utility areas to support all utility functions. Provide access per Americans with Disability Act. Also included will be special reinforced foundation features, lightning protection, anti-terrorism features, provisions for CCTV, access control and intrusion detection, fire protection system and mass notification and alarms.

Demolition and site preparation includes clearing and grubbing, removal of pavements, storm culverts, fencing and other utilities to ready the site for construction. Site improvements include access roads, paving, concrete walks, curbing, signage, landscaping and fencing. Civil and Mechanical utilities include water and sanitary lines and connections, sanitary pump station, natural gas connections and service, provisions for storm water system including low-impact development bioswales and retention pond. Electrical and communications work includes primary and secondary power, exterior communications and alarm systems, site lighting, and related work.

Anti-terrorism force protection (AT/FP), cyber-security, and sustainable design principles will be incorporated into the design and construction.

11. REQUIREMENT: 3,670,353 SQUARE FEET (SF) **ADEQUATE:** 898,908 SF **SUBSTANDARD:** 985,357 SF

PROJECT: Construct a general purpose warehouse facility. (C)

REQUIREMENT: The Defense Logistics Agency (DLA) Distribution Red River, Texas (DDRT) plays a

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA		2. Date
DEFENSE (DLA)			FEBRUARY 2018
3. Installation and Location		4. Project Title	
DLA DISTRIBUTION, RED RIVER ARMY DEPOT, TEXAS		GENERAL PURPOSE WAREHOUSE	
5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	441110	DDRT1901	71,500

critical role in supplying Army units with repair parts and assemblies needed to rebuild, retrofit, and maintain their tactical vehicle fleet. There is an immediate and long-term requirement for additional warehousing space to store large and bulk-quantity vehicle parts that are new or in various stages of refurbishment.

CURRENT SITUATION: The Red River Army Depot's rebuild operation currently has a 30,000 vehicle backlog awaiting refurbishment with another 30,000 scheduled for rebuild as part of a program supporting deployed forces, unit resets, Foreign Military Sales, normal equipment rebuild/upgrade cycles, and disposal.

The demand for protected storage of new repair parts and components, and the storage of components in various stages of refurbishment exceeds the current available warehousing capacity. DDRT has a total shortfall of 1,612,220 SF of general warehouse storage for bulk materiel. Because of this shortfall, materiel is currently stored in unprotected outdoor storage areas. This includes critical tactical vehicle parts such as vehicle armor, engines, and drive-train assemblies. In many cases, the packaging of stored items has badly deteriorated due to exposure to the weather. New and potentially useable parts are continuously being disposed of as unserviceable because of the outside storage conditions. The deterioration of track and track shoes in particular has caused recent involvement from both the U.S. Army Tank and Automotive Command (TACOM) and Logistics Support Activity (LOGSA). Reclassification of 161,522 items to condition code F (unserviceable and requiring repair) has occurred because of the storage conditions.

IMPACT IF NOT PROVIDED: DDRT will continue to have a massive shortfall of storage and operational space that is needed for bulk storage of tactical vehicle parts. Large quantities of materiel that should be in covered storage will continue to be stored in unprotected outdoor areas. Continued outside storage of these items will incur additional costs in repackaging and preservation, packaging, packing, and marking (PPP&M). DLA will also incur costs to refurbish items deemed unserviceable due to weather.

In addition, the issuance of degraded items such as wheel assemblies to the Army adds to the safety risk. The lack of appropriate storage hinders DLA's ability to maintain major end items required for our Armed Services.

ADDITIONAL: This project has been coordinated with the Red River Directorate of Public Works for integration of utilities and the installation's long-range master plan. Coordination of installation physical security plans and all required physical security measures are included. All required antiterrorism (AT) measures are included. 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 will meet all applicable DoD criteria to include cyber-security. This project is outside the 100-year floodplain.

12. Supplemental Data:	
A. Estimated Design Data:	
1. Acquisition Strategy:	Design Bid Build

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
DLA DISTRIBUTION, RED RIVER ARMY DEPOT, TEXAS	GENERAL PURPOSE WAREHOUSE

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	441110	DDRT1901	71,500

2. Design Data	
(a) Design or Request for Proposal (RFP) Started:	DEC/2016
(b) Percent of Design Completed as of Jan 2018 (BY-1):	35%
(c) Design or RFP Complete:	AUG/2018
(d) Total Design Cost ($000):	1,035
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used?	Yes
3. Construction Data:	
(a) Contract Award:	DEC/2018
(b) Construction Start:	JAN/2019
(c) Construction Complete:	DEC/2021

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

PURPOSE	APPROPRIATION	FISCAL YEAR REQUIRED	AMOUNT ($000)
ACCESS CONTROL/INTRUSION DETECTION	DWCF	2020	100
RACK SYSTEM & MATERIAL HANDLING EQUIPMENT	DWCF	2020	5,267
FIXTURES, FURNITURE & EQUIPMENT	DWCF	2020	100
INFORMATION SYSTEMS	DWCF	2020	300

Point of Contact is DLA Civil Engineer at 703-767-2326

1. Component	FY 2019 MILITARY CONSTRUCTION PROGRAM	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation And Location	4. Command	5. Area Construction Cost Index
JOINT BASE SAN ANTONIO, TEXAS	DEFENSE LOGISTICS AGENCY	0.91

6. PERSONNEL tenant of U.S. Air Force	(1)PERMANENT			(2)STUDENTS			(3)SUPPORTED			(4)TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. AS OF										
b. END FY										

7. INVENTORY DATA *($000)*	
A. TOTAL ACREAGE	
B. INVENTORY TOTAL AS OF 30 SEP 2015	
C. AUTHORIZED NOT YET IN INVENTORY	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,200
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
F. PLANNED IN NEXT THREE PROGRAM YEARS	
G. REMAINING DEFICIENCY	
H. GRAND TOTAL	10,200

8. PROJECTS REQUESTED IN THIS PROGRAM:

a. CATEGORY			b. COST	c. DESIGN STATUS	
(1)Code	(2) PROJECT TITLE	(3) SCOPE	*($000)*	(1)START	(2)COMPLETE
610	ENERGY AEROSPACE OPERATIONS FACILITY	22,135 SF	10,200	05/17	10/18

9. FUTURE PROJECTS:

a. INCLUDED IN FOLLOWING PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
		NONE	

b. PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
		NONE	

10. MISSION OR MAJOR FUNCTION

DLA Energy Aerospace Energy manages the worldwide acquisition of missile fuels, liquid propellants for space launch and satellites, aviator’s breathing oxygen and other bulk industrial chemicals and gases. Aerospace Energy provides centralized, cradle-to-grave contracting and logistics support to customers worldwide. Aerospace Energy provides product distribution, transportation, and inventory management of assigned products. It drafts sales contracts with commercial space and launch companies and other commercial companies.

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

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: *($000)*

A. AIR POLLUTION	0	
B. WATER POLLUTION	0	
C. OCCUPATIONAL SAFETY AND HEALTH	0	

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
JOINT BASE SAN ANTONIO, TEXAS	ENERGY AEROSPACE OPERATIONS FACILITY

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	610811	DESC19I1	10,200

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES	-	-	-	7,504
OPERATIONS CENTER (CC 610811)	SF	22,135	332	(7,349)
SPECIAL COSTS	LS	-	-	(155)
SUPPORTING FACILITIES.....	-	-	-	1,623
SITE IMPROVEMENTS.....	LS	-	-	(537)
ELECTRICAL AND COMMUNICATIONS.....	LS	-	-	(452)
DEMOLITION AND SITE PREPARATION.....	LS	-	-	(266)
STORM DRAINAGE.....	LS	-	-	(193)
UTILITIES.....	LS	-	-	(174)
SUBTOTAL.....	-	-	-	9,127
CONTINGENCY (5%).....	-	-	-	456
ESTIMATED CONTRACT COST.....	-	-	-	9,584
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (5.7%)..	-	-	-	546
TOTAL	-	-	-	10,130
TOTAL (ROUNDED)	-	-	-	10,200
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)..	-	-	=	(2,075)

10. Description of Proposed Construction:

Provide an operations facility of Type II construction, concrete/steel framing, exterior masonry, standing seam metal roofing and special foundations. Functional areas include training and conference areas, IT, communications, mechanical and electrical rooms, admin areas, break room and related spaces. The building shall provide a secure area for SIPRnet communication, an intrusion detection system, fire protection sprinkler system, infrastructure for CCTV and access control system; electrical transformers, telecommunications, mass notification system combined with fire detection, notification and reporting system, building automation system compatible with Base standards and direct communication with base-wide EMCS network.

Site improvements include all paving and walks, POV parking for approximately 63 vehicles, access drives, landscaping, fencing, dumpster pad and enclosure. Electrical and communications include primary and secondary power and connections, pad mounted transformers, outdoor communications work, site lighting and lightning protection.

Demolition and site preparation include clearing & grubbing, removal of existing foundations, removal of pavements.

Storm drainage includes storm water piping, culverts and the use of low-impact development features, storm water management, and related items. Utilities include all water, sanitary, fire lines, and natural gas, connections and service.

Comprehensive building and furnishings related interior design services are required. Anti-

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
JOINT BASE SAN ANTONIO, TEXAS	ENERGY AEROSPACE OPERATIONS FACILITY

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	610811	DESC19I1	10,200

terrorism force protection (AT/FP), cyber-security, and sustainable design principles will be incorporated into the design and construction.

11. REQUIREMENT: 22,135 square feet (SF) **ADEQUATE:** 0 SF **SUBSTANDARD:** 0 SF

PROJECT: Construct a DLA Energy Aerospace and J8 Operations and Management Center. (C)

REQUIREMENT: A new facility is required to relocate DLA Energy Aerospace and J8 Operations out of substandard, leased space in San Antonio. Provide a functional facility with administrative, storage and additional functional areas for 104 employees along with adequate parking to meet the operational requirements of the DLA Energy Aerospace and J8 Operations and Management mission.

CURRENT SITUATION: The current facility is located on the old Kelly AFB, which was slated for closure under BRAC 1995. Since BRAC closure, the property was turned over to the Port Authority of San Antonio who now leases the building to DLA. The existing 40,000 plus SF facility is dilapidated and has significant quality of life and health related concerns including mold. The facility is outside of the enclosure of a secure military installation. The facility requires significant renovation that would exceed 50% of the PRV to bring it into compliance.

IMPACT IF NOT PROVIDED: The current facility does not meet current codes and standards and lacks required security features. There are no other facilities on Joint Base San Antonio available for use that are not cost prohibitive. Other leased space options are cost prohibitive and fail to meet AT/FP guidance. Without this project, DLA Energy Aerospace management functions will continue to operate in a dilapidated facility, affecting the health and safety of its employees.

ADDITIONAL: The scope of the project is based on Defense Logistics Agency requirements. All known alternative options were considered during the development of this project. An economic analysis of reasonable options for status quo, renovation, lease, and new construction was completed, and validated that new construction was the most economical option that will meet operational requirements. 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 has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. This project will meet all applicable DoD criteria to include cyber-security.

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 DLA 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: (b) Percent of Design Completed as of Jan 2018 (BY-1):	 MAY/2017 35%

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
JOINT BASE SAN ANTONIO, TEXAS	ENERGY AEROSPACE OPERATIONS FACILITY

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	610811	DESC19I1	10,200

(c) Design or RFP Complete:	OCT/2018
(d) Total Design Cost ($000):	1,035
(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:	MAR/2019
(c) Construction Complete:	MAR/2021

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

PURPOSE	APPROPRIATION	FISCAL YEAR REQUIRED	AMOUNT ($000)
FURNITURE, FIXTURES & EQUIPMENT	DWCF	2020	1,961
SECURITY SYSTEMS	DWCF	2020	114

Point of Contact is DLA Civil Engineer at 703-767-2326

1. Component	FY 2019 MILITARY CONSTRUCTION PROGRAM	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation And Location	4. Command	5. Area Construction Cost Index
JOINT BASE LANGLEY-EUSTIS, VIRGINIA	DEFENSE LOGISTICS AGENCY	0.91

6. PERSONNEL tenant of U.S. Air Force	(1)PERMANENT			(2)STUDENTS			(3)SUPPORTED			(4)TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. AS OF										
b. END FY										

7. INVENTORY DATA *($000)*	
A. TOTAL ACREAGE	
B. INVENTORY TOTAL AS OF 30 SEP 2015	
C. AUTHORIZED NOT YET IN INVENTORY	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	12,700
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE PROGRAM YEARS	
G. REMAINING DEFICIENCY	
H. GRAND TOTAL	12,700

8. PROJECTS REQUESTED IN THIS PROGRAM:

a. CATEGORY			b. COST	c. DESIGN STATUS	
(1)Code	(2) PROJECT TITLE	(3) SCOPE	*($000)*	(1)START	(2)COMPLETE
124	FUEL FACILITIES REPLACEMENT	40,000 GA	6,900	03/17	11/18
123	GROUND VEHICLE FUELING FACILITY REPLACEMENT	12 OL	5,800	03/17	11/18

9. FUTURE PROJECTS:

a. INCLUDED IN FOLLOWING PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
		NONE	

b. PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
		NONE	

10. MISSION OR MAJOR FUNCTION

The 633rd Air Base Wing is comprised of three groups that provide installation support to personnel including Headquarters Air Combat Command and three operational wings. Air Combat Command is the primary force provider of combat airpower to America's warfighting commands. ACC numbered air forces provide the air component to U.S. Central, Southern and Northern Commands, with Headquarters ACC serving as the air component to Joint Forces Command. ACC also augments forces to U.S. European, Pacific, and Strategic Command.

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

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: *($000)*

A. AIR POLLUTION	0	
B. WATER POLLUTION	0	
C. OCCUPATIONAL SAFETY AND HEALTH	0	

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
JOINT BASE LANGLEY EUSTIS, VIRGINIA	FUEL FACILITIES REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	124135	DESC1909	6,900

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES	-	-	-	2,097
FUEL STORAGE (CC 124135)	GA	40,000	22	(880)
OFFLOAD SKID (CC 126926)	OL	1	590,480	(590)
FILLSTAND (CC 126925)	OL	2	272,250	(545)
STORAGE BUILDING (CC 141454)	SF	400	206	(82)
SUPPORTING FACILITIES	-	-	-	4,122
SITE CIVIL & MECHANICAL	LS	-	-	(1,580)
SITE IMPROVEMENTS	LS	-	-	(1,411)
SITE ELECTRICAL	LS	-	-	(611)
DEMOLITION & SITE PREPARATION	LS	-	-	(520)
SUBTOTAL	-	-	-	6,219
CONTINGENCY (5%)	-	-	-	311
ESTIMATED CONTRACT COST	-	-	-	6,530
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (5.7%)	-	-	-	372
TOTAL	-	-	-	6,902
TOTAL (ROUNDED)	-	-	-	6,900
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)	-	-	-	(92)

10. Description of Proposed Construction:

The new Fuel Facility will include two 20,000 gallon aboveground storage tanks with tank pad, electrical, access platforms and stairs; one packaged truck off-loading station with electrical, piping and canopy; two 300-gpm truck fill stands with electrical, piping and canopy; and a pre-engineered metal storage building.

Site improvements include paved roads, truck parking for five vehicles, POV parking for two vehicles at the storage building, two secondary spill containment areas, equipment pad and canopy, collection tank, emergency shower/eyewash system, seeding, fencing and gates.

Site electrical work includes power distribution, emergency fuel shutoff system, generator, site lighting, motor controllers and electrical racks, grounding and cathodic protection.

Civil and mechanical utilities include mechanical piping, valves, filter separators, and associated equipment; excavation and fill for piping, piping supports, water piping, grading and storm drainage.

Demolition and site preparation includes removal of the existing POL facilities which consists of two 30,000 gallon aboveground storage tanks (AST), a 250-gallon AST, truck parking area, two truck fill stands, a 300-gpm truck off-loading station, concrete containment areas, paving, fuel piping, supports and related valves and equipment, fencing, electrical panels and feeds, poles, and a storage building (facility 2451, approximately 348 SF). Site preparation includes clearing, erosion and sediment control.

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
JOINT BASE LANGLEY EUSTIS, VIRGINIA	FUEL FACILITIES REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	124135	DESC1909	6,900

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

11. REQUIREMENT: 40,000 GALLONS (GA) **ADEQUATE:** 0 GA **SUBSTANDARD:** 60,000 GA

PROJECT: This project will replace the failing POL facilities and supporting infrastructure at Felker Army Air Field at Joint Base Langley Eustis (JBLE) with a modern, complete, and usable airfield fuel point. (C)

REQUIREMENT: This project is required to provide a functional, efficient, cost effective, and safe means of fueling refueler trucks for DoD/Army aircraft assigned to JBLE. The new facilities will replace existing facilities that are environmentally non-compliant and pose a health, safety, and environmental risk to the installation and users.

CURRENT SITUATION: The Fuel Systems Infrastructure Program Review dated 6-10 May 2013, Fuel Systems Engineering Condition Assessment, rated the fuel point as “unsatisfactory”.

Corrosion is occurring along a welded seam near the tank saddle at one tank. Both tanks use a common pipeline for receipt and issue, which violates DoD standards for receipt facilities. The receipt fuel system also lacks filtration.

The fuel system does not comply with National Fire Protection Association and Unified Facility Criteria grounding/bonding requirements. The explosion-proof boxes and electrical system are located on inadequate, wooden supports.

The integrity of the underground piping is not guaranteed. The existing system shows signs of corrosion due to use of dissimilar metals and isolation gaskets do not conform to current standards. Fuel piping supports do not meet DoD standards. The existing high point vents and low point drains are not approved for fuel system use and are not API or fire rated.

Truck receiving and fill stand area is inadequate for emergency egress of fuel tank trucks and/or response vehicles. Truck refuelers cannot enter into the load/offload without reversing into position.

Existing spill containment is grossly inadequate, and no canopy exists to protect the equipment. Containment and fill stand pavement is cracked and expansion joint sealant has failed. Spill containment areas do not drain into an approved collection source or oil water separator.

IMPACT IF NOT PROVIDED: The current fueling system will continue to deteriorate, causing leaks and resulting in the release of fuels to the environment. The lack of receipt filtration could result in the delivery and storage of off-specification fuel. Continued exposure of pumps motors and equipment to the weather will lead to accelerated corrosion and premature component failure. The system will continue to violate NFPA and UFC criteria. In addition, recent inspections have called for removal of all non-compliant fuel systems without explosion proof fittings. The fuel point could be shut down if these issues are not corrected which will affect the fuels mission at JBLE.

ADDITIONAL: This project has been coordinated with the installation physical security plan,

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
JOINT BASE LANGLEY EUSTIS, VIRGINIA	FUEL FACILITIES REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	124135	DESC1909	6,900

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 will meet all applicable DoD criteria to include cyber-security. Mission requirements, operational considerations, and location are incompatible with use by other components. This project appears to lie within the 100-year flood plain. Flood mitigation measures will be incorporated into the design.

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/2017
(b) Percent of Design Completed as of Jan 2018 (BY-1):	35%
(c) Design or RFP Complete:	NOV/2018
(d) Total Design Cost ($000):	690
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Standard or definitive design used?	Yes
3. Construction Data:	
(a) Contract Award:	JAN/2019
(b) Construction Start:	MAR/2019
(c) Construction Complete:	JUN/2021

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

PURPOSE	APPROPRIATION	FISCAL YEAR REQUIRED	AMOUNT ($000)
CONTAMINATED SOIL & WATER CLEANUP/DISPOSAL	DWCF	2019	0.5
AUTOMATED TANK GAUGING	DWCF	2021	45
JET FUEL FOR COMMISSIONING	DWCF	2021	46

Point of Contact is DLA Civil Engineer at 703-767-2326

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
JOINT BASE LANGLEY EUSTIS, VIRGINIA	GROUND VEHICLE FUELING FACILITY REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	123335	DESC1914	5,800

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES		-	-	3,485
VEHICLE FUEL STATION(CC 123335)	OL	12	104,310	(1,252)
OFF-LOADING STATION (CC 126926)	OL	3	330,213	(991)
FUEL STORAGE: JET-A (CC 124135)	GA	12,000	36	(432)
FUEL STORAGE: DIESEL (CC 124134)	GA	12,000	36	(432)
FUEL STORAGE: MOGAS (CC 123335)	GA	6,000	51	(306)
CONTROL BUILDING (CC 121111)	SF	400	180	(72)
SUPPORTING FACILITIES	-	-	-	1,699
SITE IMPROVMENTS	LS	-	-	(539)
SITE CIVIL/MECHANICAL UTILITIES	LS	-	-	(520)
DEMOLITION & SITE PREPARATION	LS	-	-	(381)
SITE ELECTRICAL UTILITIES	LS	-	-	(259)
SUBTOTAL	-	-	-	5,184
CONTINGENCY (5%)	-	-	-	259
ESTIMATED CONTRACT COST	-	-	-	5,443
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (5.7%)	-	-	-	310
TOTAL	-	-	-	5,753
TOTAL (ROUNDED)	-	-	-	5,800
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)	-	-	-	(160)

10. Description of Proposed Construction:

The new Ground Vehicle Fueling Facility (GVFF) includes a new vehicle fueling station consisting of two concrete islands with six fuel dispensers (12 outlets), concrete pavement with trench drains, and overhead canopy; three 300-gpm truck off-load stations with concrete pavement, trench drain and canopy, pumps, valves and related appurtenances. Above-ground fuel storage tanks, consisting of two 12,000-gallon tanks for Jet A and diesel fuel and one 6,000-gallon tank for MOGAS, with concrete saddles and access stairs with platforms; and a control building for two occupants, fire and fuel alarm systems, and all equipment necessary for the GVFF including all service connections.

Site improvements include all paving, spill containment, walks, fencing and gates, signage, tank concrete pad, enclosed emergency shower and eyewash, bollards, grading and seeding.

Site civil and mechanical utilities include storm drainage, water and fire hydrants, above ground and underground piping, high and low point vents and drains, pipe supports, pipe coatings, eyewash water heater and storage tank and associated work.

Demolition and site preparation includes demolition of three underground storage tanks (one 15,000-gallon and two 6,000-gallon), piping, fuel management units, pumps and related items, demolition of the existing building 2734 (193 SF) and foundation, concrete islands, shed and generator, paving, fencing; site preparation includes erosion and sediment control features.

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
JOINT BASE LANGLEY EUSTIS, VIRGINIA	GROUND VEHICLE FUELING FACILITY REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	123335	DESC1914	5,800

Site electrical work includes generator and pad, power distribution, transfer switch, emergency fuel shut-off, site lighting, automatic tank gauging system, communications and related work.

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

11. REQUIREMENT: 12 OUTLET (OL) ADEQUATE: 0 BL SUBSTANDARD: 16 OL

PROJECT: Replace ground vehicle fueling station. (C)

REQUIREMENT: Provide a new ground vehicle fueling facility that is safe, reliable and eliminates environmental vulnerability associated with the existing, degraded, and failing facility.

CURRENT SITUATION: The existing fueling facility is rated as unsatisfactory per the 2013 fuel system engineering condition assessment (ECA).

The current system lacks a permanent emergency eyewash/shower station within 10 seconds or 100 feet as required by air force instructions. The drop tanks lack secondary containment and cracked pavement provides a direct pathway for fuel spills to reach the soils.

The fuel system uses a mixture of galvanized metal connected directly to carbon steel and the dissimilar metals accelerate corrosion. The current system is showing signs of heavy corrosion in all piping, pumps, and valve systems. The wiring, venting, and spill detection are all in deteriorated condition. The dispensers are all in need of replacement. The overall system does not conform to the current gas station construction codes. Water is seeping into the pump and tank areas leading to further corrosion of the pipes and valves. Sand filled interstitials prevent the tanks from being checked for leaks.

IMPACT IF NOT PROVIDED: The fueling system will continue to deteriorate, potentially causing leaks and eventual soil contamination. This will place greater risk on DLA and the Army and result in added costs to clean up spills.

ADDITIONAL: This project was coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. An economic analysis was prepared and used in developing this project. This project is the most cost-effective method to satisfy the requirement. 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 project is outside the 100-year floodplain.

12. Supplemental Data:	
A. Estimated Design Data:	
1. Acquisition Strategy:	Design Bid Build
2. Design Data (a) Design or Request for Proposal (RFP) Started: (b) Percent of Design Completed as of Jan 2018 (BY-1):	 MAR/2017 35%

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
JOINT BASE LANGLEY EUSTIS, VIRGINIA	GROUND VEHICLE FUELING FACILITY REPLACEMENT

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0702976S	123335	DESC1914	5,800

(c) Design or RFP Complete:	NOV/2018
(d) Total Design Cost ($000):	580
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Standard or definitive design used?	Yes
3. Construction Data:	
(a) Contract Award:	JAN/2019
(b) Construction Start:	MAR/2019
(c) Construction Complete:	JUN/2021

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	70
CONTAMINATED SOIL & GROUNDWATER CLEANUP/REMOVAL	DWCF	2020	4
FUEL FOR COMMISSIONING	DWCF	2021	90

Point of Contact is DLA Civil Engineer at 703-767-2326

1. Component	FY 2019 MILITARY CONSTRUCTION PROGRAM	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation And Location	4. Command	5. Area Construction Cost Index
JOINT BASE LEWIS-McCHORD, WASHINGTON	DEFENSE LOGISTICS AGENCY	1.12

6. PERSONNEL tenant of U.S. Army	(1)PERMANENT			(2)STUDENTS			(3)SUPPORTED			(4)TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. AS OF										
b. END FY										

7. INVENTORY DATA *($000)*	
A. TOTAL ACREAGE	
B. INVENTORY TOTAL AS OF 30 SEP 2015	
C. AUTHORIZED NOT YET IN INVENTORY	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	26,200
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE PROGRAM YEARS	14,700
G. REMAINING DEFICIENCY	
H. GRAND TOTAL	40,900

8. PROJECTS REQUESTED IN THIS PROGRAM:

a. CATEGORY			b. COST	c. DESIGN STATUS	
(1)Code	(2) PROJECT TITLE	(3) SCOPE	*($000)*	(1)START	(2)COMPLETE
121	REFUELING FACILITIES	1,200 GM	26,200	03/17	07/18

9. FUTURE PROJECTS:

a. INCLUDED IN FOLLOWING PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
		NONE	

b. PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
123	DESC2104	REPLACE FUEL FACILITIES (LEWIS MAIN & NORTH)	14,700

10. MISSION OR MAJOR FUNCTION

Joint Base Lewis-McChord (JBLM) is the Defense Department's premiere military installation on the West Coast. JBLM provides world-class installation support to more than 40,000 active, Guard and Reserve Service members, and about 15,000 civilian workers. The primary mission of JBLM is to operate a state-of-the-art projection platform for war fighters by providing them with superior training support and infrastructure, to train, and maintain fully capable mobilization and deployment operations for the Army, Navy, Air Force, and Marines.

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

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: *($000)*

A. AIR POLLUTION	0	
B. WATER POLLUTION	0	
C. OCCUPATIONAL SAFETY AND HEALTH	0	

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
JOINT BASE LEWIS McCHORD, WASHINGTON	REFUELING FACILITIES

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	12110	DESC1905	26,200

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES	-	-	-	11,654
AIRCRAFT DIRECT FUEL SYSTEM (CC 12110)	GM	1,200	4,271	(5,125)
FUEL STORAGE (CC12413)	GA	200,000	12	(2,400)
TRUCK LOAD/UNLOAD (CC12630)	OL	4	565,992	(2,264)
POL BUILDING (CC 14165)	SF	2,000	525	(1,050)
RETAIL FUELING (CC 12322)	OL	2	262,584	(525)
DIESEL TANK (CC12481)	GA	5,000	47	(235)
FILTER SEPARATOR CANOPY (CC 14179)	SF	395	138	(55)
SUPPORTING FACILITIES	-	-	-	11,930
SITE IMPROVEMENTS	LS	-	-	(4,665)
MECHANICAL UTILITIES	LS	-	-	(3,027)
DEMOLITION & SITE PREPARATION	LS	-	-	(2,186)
SITE ELECTRICAL	LS	-	-	(2,052)
SUBTOTAL	-	-	-	23,584
CONTINGENCY (5%)	-	-	-	1,179
ESTIMATED CONTRACT COST	-	-	-	24,763
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (5.7%)	-	-	-	1,411
TOTAL	-	-	-	26,174
TOTAL (ROUNDED)	-	-	-	26,200
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)				1,073

10. Description of Proposed Construction:

Construct a refueling complex that includes an aircraft direct fueling (hot refuel) facility with POL operations, and a land vehicle fuel service point located nearby. The new helicopter hot refuel facility will have three hot refueling pads with six hose-type pantographs, fuel pits and includes supply and return piping.

The land vehicle fuel service area includes two each refueler truck load and unload areas with all mechanical equipment, pumps, grounding, spill containment, canopy, piping, and supports that lead to the fuel storage tanks. The fuel storage tanks are above ground and include all pumping and equipment, automatic tank gauging, independent alarm system, catwalks, platforms, railing, stairs, tank foundations and supports.

The POL operations building includes administrative and other functional areas, mechanical/electrical/telecom/computer rooms, shower facilities, and a fuels testing lab with emergency shower/eyewash, ventilation hoods and other safety features, fire protection and alarms, lighting protection, provisions for CCTV, pump control panels, lighting, information

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
JOINT BASE LEWIS McCHORD, WASHINGTON	REFUELING FACILITIES

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	12110	DESC1905	26,200

systems, HVAC system and controls, plumbing, and related work.

The retail fueling area includes a duel hose dispenser, retail offload point, and piping to the above ground diesel storage tank. The storage tank includes internal ladder, access platform, catwalk, and automated tank gauging, and related appurtenances.

The fuel filter shelter will provide issue filtration, controls to maintain system pressurization, and connections for a temporary pigging system. The shelter will contain horizontal receipt filter separators and include a canopy.

Site improvements include paving & concrete pavement, curbs, gutters, walks, access drives, refueler truck parking for 5 vehicles, POV parking for approximately 10 vehicles, fencing, gates, pavement markings, gravel areas, seeding, sanitary sewer pump station, water utilities, storm piping, trench drains and low impact development features and related items. Mechanical utilities include product recovery tank and piping, filter separators and shelter area equipment, grounding, valves, pipe supports, signage and related items.

Demolition and site preparation includes demolition of existing pavements, hot point pads, removal of unsuitable soils, demolition of existing utilities, demolition of building 3477 (730 SF), lift station and the existing ground vehicle fueling facility, fuel piping, demolition of the existing concrete filled pits and related taxiway pavements, and items and clearing and grading activities.

Electrical work includes cathodic protection, building and site lighting, primary and secondary service & connections, transformers, automatic tank gauging systems, lighting protection, grounding, communications, emergency power down switches, control stations, provisions for CCTV.

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

11. REQUIREMENT: 1200 Gallons per Minute (GM) **ADEQUATE:** 0 GM **SUBSTANDARD:** 1200 GM

PROJECT: Construct a refueling facility complex. (C)

REQUIREMENT: This project is required to provide a functional, efficient, cost effective, and safe means of fueling DoD/Army equipment, including rotary and fixed wing aircraft assigned to JBLM. This refueling facility will support infield fuel tankers, hot refueling and training requirements for units stationed at JBLM. The new facilities will replace existing facilities that are undersized, non-compliant and pose a health, safety, and environmental risk to the installation and users. JBLM is a training and mobilization center for all services and is the Army power-projection base west of the Rocky Mountains. The Corps and Special Operations units on base require mobile efficient refueling operations. US NORTHCOM expects JBLM to deliver strategic support from a "Defense Support of Civil Authorities" perspective.

CURRENT SITUATION: Recommendations from the USACE Petroleum Oils & Lubricant – Mandatory Center of Excellence (MCX) to pursue a MILCON funded project is based on a long list of

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
JOINT BASE LEWIS McCHORD, WASHINGTON	REFUELING FACILITIES

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	12110	DESC1905	26,200

compliance, mission support, and safety concerns. JBLM's current fueling mission was capitalized and contracted out to DLA Energy in the 1990s. A 2001 earthquake caused extensive damage to the hot fuel system. The fiberglass fuel pipelines and storage tanks were not repairable and a majority of fuel lines, equipment, and tanks were removed and hot pits filled with concrete. Due to the loss of hot refueling capability, a temporary tactical forward arming and refueling point (FARP) was established to serve aircraft at peak hours. Hundreds of feet of flexible fuel hose lie on bare ground and across taxiways to each of the fueling points.

The existing bulk tanks are not near the airfield. The round-trip time for mobile refueling units to travel between the bulk fuel area and the airfield is significant.

IMPACT IF NOT PROVIDED: All Army aircraft at JBLM will continue to be fueled from contractor and unit fuel trucks. This costs the Army logistically and continues existing security, environmental and safety risks. Without hot refuel capability, helicopters must be shut down and the engines cooled before fueling can begin. The ability to refuel ‘hot’, will allow helicopters to complete refueling much faster, increasing unit training throughput. Without this project, JBLM crews will lack critical hot refueling training needed for homeland defense, wartime, and peacekeeping missions. Since hot refueling is inherently hazardous, requiring a great deal of situational awareness, attention to detail and speed, this lack of training forces our service members to learn this dangerous skill while in a hot zone. Use of the FARP is inefficient and unsafe. Aircraft wheels cannot cross the fuel lines so helicopters must hover over the lines around the taxiways to avoid the fuel hoses. The hoses also pose an unnecessary risk of environmental contamination.

Bulk and aircraft refueling will still require long lead times due to the time it takes to load fuel from the inadequately sized bulk storage area located away from the airfield and return to the airfield to fuel aircraft. Vehicles leaving the infield to refuel are an unnecessary safety and security threat that is avoidable with this project. The need for fuel trucks to cross the base contributes to JBLM's traffic problems, increases wear-and-tear on roads, as well as the likelihood of HAZMAT spills and accidents. Since current facility deficiencies cannot be addressed via repair, service members will continue to operate in inadequate facilities that require mitigating actions that reduce mission efficiency/performance and increase safety and environmental risk.

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/2017
(b) Percent of Design Completed as of Jan 2018 (BY-1):	35%
(c) Design or RFP Complete:	JUL/2018
(d) Total Design Cost ($000):	1,834
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Standard or definitive design used?	No

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
JOINT BASE LEWIS McCHORD, WASHINGTON	REFUELING FACILITIES

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	12110	DESC1905	26,200

3. Construction Data:	
(a) Contract Award:	FEB/2019
(b) Construction Start:	MAR/2019
(c) Construction Complete:	JAN/2021

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

PURPOSE	APPROPRIATION	FISCAL YEAR REQUIRED	AMOUNT ($000)
SOIL REMEDIATION	O&M AF	2019	100
AUTOMATIC TANK GAUGING	DWCF	2020	62
PANTOGRAPHS	DWCF	2020	901
CCTV	O&M AF	2020	2
FURNITURE, FIXTURES & EQUIPMENT	O&M AF	2020	8

Point of Contact is DLA Civil Engineer at 703-767-2326

1. Component	FY 2019 MILITARY CONSTRUCTION PROGRAM	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation And Location	4. Command	5. Area Construction Cost Index
KADENA AIR BASE, JAPAN	DEFENSE LOGISTICS AGENCY	2.11

6. PERSONNEL tenant of U.S. Air Force	(1)PERMANENT			(2)STUDENTS			(3)SUPPORTED			(4)TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. AS OF										
b. END FY										

7. INVENTORY DATA *($000)*	
A. TOTAL ACREAGE	
B. INVENTORY TOTAL AS OF 30 SEP 2015	
C. AUTHORIZED NOT YET IN INVENTORY	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	21,400
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
F. PLANNED IN NEXT THREE PROGRAM YEARS	5,600
G. REMAINING DEFICIENCY	
H. GRAND TOTAL	27,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

a. CATEGORY			b. COST	c. DESIGN STATUS	
(1)Code	(2) PROJECT TITLE	(3) SCOPE	*($000)*	(1)START	(2)COMPLETE
126	TRUCK UNLOAD FACILITIES	8 OL	21,400	02/17	04/19

9. FUTURE PROJECTS:

a. INCLUDED IN FOLLOWING PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
		NONE	

b. PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
852	DESC20S4	UPGRADE REFUELER PARKING AREA	5,600

10. MISSION OR MAJOR FUNCTION

As the host unit at Kadena Air Base, the mission of the 18th Wing is to deliver unmatched combat airpower and a forward-staging base to provide sovereign options that promote peace and stability in the Asia-Pacific region, ensure the common defense of our allies, and enhance the United States' unparalleled global engagement capability. It is the largest combat wing in the Air Force, operating out of the largest Air Force installation in the Pacific.

Deferred sustainment, restoration, and modernization for fuel facilities at this location is $6.4 million.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: *($000)*

A. AIR POLLUTION	0	
B. WATER POLLUTION	0	
C. OCCUPATIONAL SAFETY AND HEALTH	0	

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
KADENA AIR BASE, JAPAN	TRUCK UNLOAD FACILITIES

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	126926	DESC1911	21,400

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES.....	-	-	-	12,327
TRUCK OFFLOAD FACILITY (CC 126926).....	OL	8	1,417,000	(11,336)
ELECTRICAL BUILDINGS (CC 126926).....	SF	820	1,209	(991)
SUPPORTING FACILITIES.....	-	-	-	6,783
SITE IMPROVEMENTS.....	LS	-	-	(3,377)
MECHANICAL.....	LS	-	-	(2,401)
ELECTRICAL.....	LS	-	-	(407)
UTILITIES.....	LS	-	-	(392)
DEMOLITION & SITE PREPARATION.....	LS	-	-	(206)
SUBTOTAL.....	-	-	-	19,110
CONTINGENCY (5%).....	-	-	-	956
ESTIMATED CONTRACT COST.....	-	-	-	20,066
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (6.5%)..				1,304
TOTAL	-	-	-	21,369
TOTAL (ROUNDED)	-	-	-	21,400
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD) .				(150)

Currency Exchange Rate: ¥111.3365/$

10. Description of Proposed Construction:

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

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

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
KADENA AIR BASE, JAPAN	TRUCK UNLOAD FACILITIES

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	126926	DESC1911	21,400

connections.

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

Mechanical work includes additive injection systems and storage at both KTF and STF locations and includes containment system, storage tanks, additive offload area and container storage, all piping, pumps, piping supports, valves, mixers & related appurtenances, injectors and equipment, stairs, access ways to tanks, and cathodic protection.

Electrical work includes primary and secondary power, pad mounted transformers, ductbanks, emergency fuel shutoff stations, site lighting, grounding, tank gauging communications, all connections and related work.

Utilities work includes site water, fire protection, sanitary, storm drainage, low impact development features, and all related work.

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

11. REQUIREMENT: 8 Outlets (OL) **ADEQUATE:** 0 OL **SUBSTANDARD:** 8 OL

PROJECT: Construct Truck Unload Facilities. (C)

REQUIREMENT: An alternate means to resupply fuel along with the ability to convert Jet A1 fuel to military specification JP-8 fuel.

CURRENT SITUATION: Kadena Air Base receives jet turbine fuel by cross-island pipeline. There is a need to be able to receive fuel, if the pipeline fails. This situation becomes important during contingency or emergency situations when the number of flights and missions drastically increase. With the DLA Energy procurement initiative to begin purchasing Jet A1, bases will no longer receive military spec JP-8 fuel and the need for additives will be mandatory to support current mission operations for Kadena Air Base.

IMPACT IF NOT PROVIDED: Kadena Air Base will continue to lack a redundant fuel supply capability and will not meet the required resiliency required by UFC and AFI standards. Without the new offload and additive system, the base’s capability to provide adequate support to the flying mission in the Pacific and intra-theatre areas of responsibility will be impacted. JP-8 is more expensive and difficult to procure outside of the continental US. The availability of JP-8 in the Pacific region impacts the ability to deliver fuel to the warfighting effort quickly. Further, the bulk truck offload systems will provide interim / back-up resupply capability with sufficient capacity to replenish average daily requirement and meet contingency operation requirements.

ADDITIONAL: This project will meet all applicable DOD criteria to include cyber-security and will conform to Anti-Terrorism Force Protection (ATFP) standards, LEED, and Federal Energy Acts compliance criteria for design, development, and construction of the project.

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
KADENA AIR BASE, JAPAN	TRUCK UNLOAD FACILITIES

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	126926	DESC1911	21,400

12. Supplemental Data:	
A. Estimated Design Data:	
1. Acquisition Strategy:	Design Bid Build
2. Design Data	
(a) Design or Request for Proposal (RFP) Started:	FEB/2017
(b) Percent of Design Completed as of Jan 2018 (BY-1):	35%
(c) Design or RFP Complete:	MAR/2019
(d) Total Design Cost ($000):	1,458
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Standard or definitive design used?	No
3. Construction Data:	
(a) Contract Award:	JUL/2019
(b) Construction Start:	AUG/2019
(c) Construction Complete:	APR/2021

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

PURPOSE	APPROPRIATION	FISCAL YEAR REQUIRED	AMOUNT ($000)
SOIL REMEDIATION/REMOVAL	DWCF	2019	150

Point of Contact is DLA Civil Engineer at 703-767-2326

1. Component	FY 2019 MILITARY CONSTRUCTION PROGRAM	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation And Location	4. Command	5. Area Construction Cost Index
MARINE CORPS AIR STATION, IWAKUNI, JAPAN	DEFENSE LOGISTICS AGENCY	2.16

6. PERSONNEL tenant of U.S. Navy	(1)PERMANENT			(2)STUDENTS			(3)SUPPORTED			(4)TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. AS OF										
b. END FY										

7. INVENTORY DATA *($000)*	
A. TOTAL ACREAGE	
B. INVENTORY TOTAL AS OF 30 SEP 2015	
C. AUTHORIZED NOT YET IN INVENTORY	
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	33,200
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	23,700
F. PLANNED IN NEXT THREE PROGRAM YEARS	15,000
G. REMAINING DEFICIENCY	
H. GRAND TOTAL	72,900

8. PROJECTS REQUESTED IN THIS PROGRAM:

a. CATEGORY			b. COST	c. DESIGN STATUS	
(1)Code	(2) PROJECT TITLE	(3) SCOPE	*($000)*	(1)START	(2)COMPLETE
151	FUEL PIER	600 SY	33,200	05/17	08/18

9. FUTURE PROJECTS:

a. INCLUDED IN FOLLOWING PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
411	DESC1803	BULK STORAGE TANKS (PH 2)	23,700

b. PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST *($000)*
411	DESC1803	BULK STORAGE TANKS (PH 3)	15,000

10. MISSION OR MAJOR FUNCTION

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

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

Deferred sustainment, restoration, and modernization for fuel facilities at this location is $9.3 million.

11. OUTSTANDING POLLUTIONPOLLUTION AND SAFETY DEFICIENCIES: *($000)*		
A. AIR POLLUTION	0	
B. WATER POLLUTION	0	
C. OCCUPATIONAL SAFETY AND HEALTH	0	

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
MARINE CORPS AIR STATION, IWAKUNI, JAPAN	FUEL PIER

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	15140	DESC1903	33,200

9. COST ESTIMATES

Item	U/M	Quantity	Unit Cost	Cost ($000)
PRIMARY FACILITIES.....	-	-	-	27,747
OFFLOADING PLATFORM (CC 15140).....	SY	600	27,868	16,721
BREASTING & MOORING DOLPHINS (CC 16310).....	EA	6	1,435,355	8,612
CONTROL BUILDING (CC 89009).....	SF	210	2,565	539
SPECIAL COSTS	LS	-	-	1,875
SUPPORTING FACILITIES.....	-	-	-	1,876
SITE IMPROVEMENTS.....	LS	-	-	948
ELECTRICAL & COMMUNICATIONS.....	LS	-	-	565
MECHANICAL PIPING & UTILITIES.....	LS	-	-	347
DEMOLITION.....	LS	-	-	16
SUBTOTAL.....	-	-	-	29,623
CONTINGENCY (5%).....	-	-	-	1,481
ESTIMATED CONTRACT COST.....	-	-	-	31,104
SUPERVISION, INSPECTION & OVERHEAD (SIOH) (6.5%)..	-	-	-	2,022
TOTAL	-	-	-	33,126
TOTAL (ROUNDED)	-	-	-	33,200
REQUIREMENTS FROM OTHER APPROPRIATIONS (NON-ADD)..	-	-	-	(377)

Currency Exchange Rate: ¥111.3365/$

10. Description of Proposed Construction:

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

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

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

Special costs include dredging.

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

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
MARINE CORPS AIR STATION, IWAKUNI, JAPAN	FUEL PIER

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	15140	DESC1903	33,200

bridges and related items.

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

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

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

11. REQUIREMENT: 600 Square Yard (SY) **ADEQUATE: 0** SY **SUBSTANDARD:** 0 SY

PROJECT: Construct fuel offloading pier. (C)

REQUIREMENT: MCAS Iwakuni has a bulk fuel storage facility with JP-5 storage capacity of 310 MBBLs. The mission of MCAS Iwakuni includes support of operations, maintenance, and supply of tenant units and ships. Additional jet fuel storage capacity is needed at this location to support strategic en route refueling operations, strategic airlift, and force projection in the Pacific. Bulk tanks will store reserve jet fuel required to sustain contingency operations, pending resupply by tanker ships. This project complements the addition of 400 MBBL storing capacity by DLA FY 2018 MILCON Project DESC1803 and one 100 MBBL tank that will be built by the Government of Japan under the DPRI program. This project will permit the unloading of medium size (235 MBBL) tankers allowing more economical fuel resupply while reducing the number of resupply cycles that support the Air Station’s requirements.

CURRENT SITUATION: The present fuel pier is limited to T-1 tankers and/or small intercoastal barges with capacity of around 500,000 gallons. Overall quantities of JP-5 from commercial sources are limited and impact operational requirements. With new storage currently being constructed under the companion DESC1803 project, resupply by T-1 tankers will continue to be limited by both capacity and availability of T-1 tankers in the Pacific/Worldwide markets. Contingency operations are not sustainable without this added capability.

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

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

12. Supplemental Data:	
A. Estimated Design Data:	

1. Component	FY 2019 MILITARY CONSTRUCTION PROJECT DATA	2. Date
DEFENSE (DLA)		FEBRUARY 2018

3. Installation and Location	4. Project Title
MARINE CORPS AIR STATION, IWAKUNI, JAPAN	FUEL PIER

5. Program Element	6. Category Code	7. Project Number	8. Project Cost ($000)
0701111S	15140	DESC1903	33,200

1. Acquisition Strategy:	Design Bid Build
2. Design Data	
(a) Design or Request for Proposal (RFP) Started:	FEB/2017
(b) Percent of Design Completed as of Jan 2018 (BY-1):	35%
(c) Design or RFP Complete:	AUG/2018
(d) Total Design Cost ($000):	1,200
(e) Energy Study and/or Life Cycle Analysis performed:	No
(f) Standard or definitive design used?	No
3. Construction Data:	
(a) Contract Award:	FEB/2019
(b) Construction Start:	MAR/2019
(c) Construction Complete:	JUN/2021

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

PURPOSE	APPROPRIATION	FISCAL YEAR REQUIRED	AMOUNT ($000)
OIL SPILL BOOM & REEL	DWCF	2021	250
SPILL RESPONSE EQUIPMENT	DWCF	2021	50
CCTV	DWCF	2021	7
HOSE REELS & HOSE CABINETS	DWCF	2021	70

Point of Contact is DLA Civil Engineer at 703-767-2326