Defense Logistics Agency
FY 2024 Military Construction, Defense-Wide
($ in Thousands)

State/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
Maryland				
Joint Base Andrews				
Hydrant Fueling System	38,300	38,300	C	47
Montana				
Great Falls International Airport				
Fuel Facilities	30,000	30,000	C	51
Utah				
Hill Air Force Base				
Open Storage	14,200	14,200	C	55
Washington				
Defense Fuel Supply Point Manchester				
Bulk Storage Tanks PH 2	71,000	71,000	C	59
Honduras				
Soto Cano Air Base				
Fuel Facilities	41,300	41,300	C	63
Spain				
Naval Station Rota				
Bulk Tank Farm PH 1	80,000	80,000	C	67
Total	**274,800**	**274,800**		

1. COMPONENT	FY 2024 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEFENSE (DLA)		MARCH 2023

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
JOINT BASE ANDREWS, MARYLAND	DEFENSE LOGISTICS AGENCY	1.08

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

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	0.00
b. INVENTORY TOTAL AS OF YYYMMDD	0.00
c. AUTHORIZATION NOT YET IN INVENTORY	0.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	0.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	38,300.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	0.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	38,300.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
125212	Hydrant Fueling System	5244 LF	38,300	OCT 2021	FEB 2023

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

The 316th Wing is the host wing for Joint Base Andrews providing security, personnel, contracting, finance and infrastructure support for 5 Wings, 3 Headquarters, more than 80 tenant organizations, 148 geographically separated units, 6,500 Airmen in the Pentagon, as well as 60,000 Airmen and families in the National Capital Region and around the world. The 316th Wing supports contingency operations in our nation's capital with immediate response rotary-assets. It also provides security for the world's highest visibility flight line and is responsible for ceremonial support with the United States Air Force Arlington Chaplaincy.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

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

1. COMPONENT DEFENSE (DLA)	FY 2024 MILITARY CONSTRUCTION PROJECT DATA	2. Date MARCH 2023

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
JOINT BASE ANDREWS, MARYLAND	HYDRANT FUELING SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702976S	125212	DESC2401	38,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				**$ 20,871**
HYDRANT FUELING PITS (CC 121122)	OL	8	$ 2,608,875.00	$ 20,871
SUPPORTING FACILITIES				**$ 13,368**
PAVED SURFACES	LS			$ 7,395
SITE EARTHWORK	LS			$ 3,290
SITE ELECTRICAL/COMMUNICATIONS UTILITIES	LS			$ 2,683
SUBTOTAL				**$ 34,239**
CONTINGENCY (5.00%)				$ 1,712
TOTAL CONTRACT COST				**$ 35,951**
SUPERVISION, INSPECTION AND OVERHEAD (SIOH)			6.50%	$ 2,337
TOTAL REQUEST				**$ 38,288**
TOTAL REQUEST (ROUNDED)				$ 38,300
FUNDING FROM OTHER APPROPRIATIONS				**$ 4,440**

10. DESCRIPTION OF PROPOSED CONSTRUCTION:
Expand the existing aircraft hydrant fueling system at Joint Base (JB) Andrews, Camp Springs, Maryland. Provide eight (8) new hydrant pits, loop laterals, isolation valve pits across three existing aircraft parking rows, remove and replace airfield and section pavement, and provide necessary upgrades to the existing hydrant system and commission entire system with new laterals. New piping will tie into the existing Type III Hydrant Refueling System currently in use on the airfield and connects to the existing pumphouse at Building 5023. New double-walled carbon steel issue/return piping will connect to the existing stainless-steel issue/return piping on the existing hydrant system. Install hydrant pits on the aircraft parking apron and boring under Taxiway Whiskey for the issue/return loop piping installation.

11. REQUIREMENT: 8 OL **ADQT:** 0 OL **SUBSTD:** 0 OL

PROJECT: To expand hydrant system. (C)

REQUIREMENT: Install eight (8) new Type III Hydrant Pits on west side ramp at Rows 2, 10 and 11 which will connect to the existing Type III Hydrant Fueling System in Facility 5023. This will include removal and replacement of 5,000 square yards of concrete paving, installation of 5,500 linear feet of new 12” carbon steel double-walled pipe and three new valve isolation pits. Install the required mechanical and electrical components in each new refueling pit in accordance with IAW AW standards. Install isolation pits, high point vents, and low point

1. COMPONENT DEFENSE (DLA)	FY 2024 MILITARY CONSTRUCTION PROJECT DATA		2. Date MARCH 2023
3. INSTALLATION AND LOCATION JOINT BASE ANDREWS, MARYLAND		4. PROJECT TITLE: HYDRANT FUELING SYSTEM	
5. PROGRAM ELEMENT 0702976S	6. CATEGORY CODE 125212	7. PROJECT NUMBER DESC2401	8. PROJECT COST ($000) 38,300

drains per the construction documents. Programmable Logic Controller (PLC) logic programs will be updated to reflect the new system configuration. Hydrant system controls will be reconfigured and ensure the entire system will be re-tuned to account for the longer hydrant loop piping system.

11. continued

CURRENT SITUATION: The Row 2, 10 and 11 parking locations do not have hydrant pits to support aircraft and therefore must be refueled via mobile refueling trucks. Mobile refueling is time consuming and labor intensive. The average length of time to fuel a large frame aircraft by mobile refueling tank truck is 2 hours and can require the use of 4-8 vehicles, R11s, with each truck normally carrying 6,000 gallons. In 2016 the JB Andrews West Side parking ramp issued 16.8M gallons of jet fuel over 3,102 primary refuels and fuel load top-offs based on mission profiles. C-17/C-5 cargo aircraft, supporting Air Force One as well as NAOC E004B accounted for 13.4M gallons of jet fuel. These aircraft are priority one requiring immediate fuel support and routinely request fuel loads in excess of 20,000 gallons.

IMPACT IF NOT PROVIDED: Current hydrant fueling facilities are incapable of efficiently and effectively meeting mission requirements and no other alternative is available other than mobile refuelers. Timely refueling of large frame aircraft parked in these locations cannot be accomplished without expending a significant amount of manpower and resources. Sortie generation for high priority aircraft could be negatively impacted if proposed hydrant refueling pits are not installed. The rise in fuel demands due to recent mission increases will force delays in fuel service and further negatively impact special aircraft mission support without the proposed hydrant system expansion. When hydrant servicing vehicles are utilized, the average time to fill a large frame aircraft is approximately 45 minutes and only requires one (1) R-12 hydrant servicing vehicle (HSV) and one refueling equipment operator, as compared to the multiple mobile refueler R11 trucks and operators. Not only is this method 1.5 to 2 times faster and less labor intensive, it is also more cost effective by freeing up personnel and reducing the wear and tear on the limited mobile refueler truck fleet by 20%. It also helps reduce traffic on the parking ramp which increases safety for both aircraft, trucks, and any other vehicles on the parking ramp. If the proposed additional pits are not installed, refueling operations could be potentially impacted as the alternative is to continue to rely on the slower, less responsive, and less efficient manner of delivering large fuel quantities to the special mission aircraft by mobile refueling vehicles. The increased risk to aircraft and personnel associated with increased refueler truck traffic operating on the aircraft parking apron will remain.

12. Supplemental Data:

A. Estimated Execution Data:	
(1) Acquisition Strategy:	Design/Bid/Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	OCT 2021
(b) Percent of Design Completed as of January 2023:	65%
(c) Design or RFP Complete:	FEB 2023
(d) Total Design Cost ($000):	$2,223
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used:	No
(3) Construction Data:	
(a) Contract Award:	JAN 2024

1. COMPONENT DEFENSE (DLA)	**FY 2024 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MARCH 2023
3. INSTALLATION AND LOCATION JOINT BASE ANDREWS, MARYLAND		4. PROJECT TITLE: HYDRANT FUELING SYSTEM	
5. PROGRAM ELEMENT 0702976S	6. CATEGORY CODE 125212	7. PROJECT NUMBER DESC2401	8. PROJECT COST ($000) 38,300

(b) Construction Start: FEB 2024
(c) Construction Complete: FEB 2026

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

Equipment Nomenclature	Procuring Appropriation	FY Appropriated of Requested	Cost ($000)
Non-Capitalized POL Contaminated Soil Rows 10 & 11	USAF	2024	770
Non-Capitalized POL Contaminated Groundwater Rows 10 & 11	USAF	2024	849
Non-POL Contaminated Soil Row 2	USAF	2024	2,397
Non-POL Contaminated Groundwater Row 2	USAF	2024	424

1. COMPONENT	FY 2024 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEFENSE (DLA)		MARCH 2023

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
GREAT FALLS INTERNATIONAL AIRPORT, MONTANA	DEFENSE LOGISTICS AGENCY	1.14

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

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	0
b. INVENTORY TOTAL AS OF YYYMMDD	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	0
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	30,000
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	30,000

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST ($000)	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
125997	Fuel Facilities	100,000 Gal.	30,000	SEP 2021	JUN 2023

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

The Great Falls International Airport is the home of the 120th Airlift Wing (AW) of the Montana Air National Guard. The 120th AW has both a state and federal mission. When activated to federal service in the United States Air Force, the wing is operationally gained by the Air Mobility Command. The wing operates eight C-130 Hercules cargo aircraft. The wing's federal mission is to maintain well-trained, well-equipped units available for prompt mobilization during war and to aid during national emergencies. Under state law, the wing provides protection of life, property, and preserves peace, order, and public safety. These missions include emergency support during natural disasters such as floods, earthquakes and forest fires, search and rescue operations and support to civil authorities.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

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

1. COMPONENT DEFENSE (DLA)	**FY 2024 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MARCH 2023

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
GREAT FALLS INTERNATIONAL AIRPORT, MONTANA	FUEL FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0701111S	125997	DESC2403	30,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST
PRIMARY FACILITIES				**$ 15,401**
FILTER SEPARATOR FACILITY (CC 125997)	SF	3,000	$ 2,320.33	$ 6,961
OPERATING STORAGE, JET FUEL (CC 124135)	GA	100,000	$ 41.23	$ 4,123
LIQUID FUEL STAND, UNLOADING (CC 126926)	OL	2		$ 3,677
PIPELINE, LIQUID FUELS (CC 125554)	LF	1,100		$ 3,148
POL OPERATIONS BUILDING (CC 121111)	SF	1,500		$ 1,776
LIQUID FUEL STAND, FILLSTAND (CC 126925)	OL	2		$ 895
ABOVEGROUND STORAGE TANK, DIESEL (CC 124134)	GA	5,000		$ 652
ABOVEGROUND STORAGE TANK, MOGAS (CC 124137)	GA	5,000		$ 652
REFUELER PARKING (CC 852269)	SY	530		$ 478
SUPPORTING FACILITIES				**$ 10,977**
SITE PREPARATIONS AND DEMOLITION	LS			$ 3,410
SITE IMPROVEMENTS	LS			$ 2,920
SITE ELECTRICAL UTILITIES	LS			$ 2,389
SITE CIVIL/MECHANICAL UTILITIES	LS			$ 2,258
SUBTOTAL				**$ 26,378**
CONTINGENCY (5.00%)				$ 1,319
TOTAL CONTRACT COST				**$ 27,697**
SUPERVISION, INSPECTION AND OVERHEAD (SIOH)			6.50%	$ 1,800
ENGINEERING DESIGN DURING CONSTRUCTION				$ 402
TOTAL REQUEST				**$ 29,899**
TOTAL REQUEST (ROUNDED)				$ 30,000
FUNDING FROM OTHER APPROPRIATIONS				**$ 350**

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a new POL Complex. Primary facilities include filter separator facility, two 50,000 Aboveground Storage Tanks (AST), two truck filling stations, two truck off-load stations, POL Operations and Fuels Lab building, truck parking for four refueler trucks and associated spill containment. The truck filling stations and off-load stations will be provided with canopies to protect the equipment from the elements.

A new ground vehicle fueling station will also be constructed. Primary facilities include two 5,000-gallon ASTs, two off-load containment boxes (one for each product), fuel dispensing equipment (two single hose tank mounted fuel dispensers) and spill containment.

Supporting facilities include utilities and connections (lighting, paving, parking, walks, curbs, and gutters, storm drainage, Low Impact Development (LID), information systems, site development, and signage).

1. COMPONENT DEFENSE (DLA)	**FY 2024 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MARCH 2023
3. INSTALLATION AND LOCATION GREAT FALLS INTERNATIONAL AIRPORT, MONTANA		4. PROJECT TITLE: FUEL FACILITIES	
5. PROGRAM ELEMENT 0701111S	6. CATEGORY CODE 125997	7. PROJECT NUMBER DESC2403	8. PROJECT COST ($000) 30,000

11. REQUIREMENT: 100,000 GA **ADQT:** 88,000 GA **SUBSTD:** 0 GA

PROJECT: Construct new fueling facilities at Great Falls Air National Guard to support fueling of DoD/Air Force aircraft assigned to Great Falls ANGB and to provide a GOV Gas Station, including fuel storage, fuel off-loading, fuel dispensing and an operations building for fueling operations.

REQUIREMENT: This project is required to provide a functional, efficient, cost effective and safe means of fueling DoD/Air Force aircraft assigned to Great Falls ANGB and to provide a GOV Gas Station. The refueling facility will support refueler trucks for units stationed at Great Falls ANGB. The new facilities will replace existing facilities that are non-compliant and pose a health, safety, and environmental risk to the installation and users. The new facilities provided will be located on a new site and will include two 50,000-gallon UL 2085 factory fabricated aboveground storage tanks with room reserved for one future tank, a filter separator facility, two truck filling stations, two truck off-load stations, POL Operations and Fuels Lab building, truck parking for four refueler trucks, and associated spill containment. The off-load stations and truck filling stations will be provided with canopies to protect the equipment from the elements. The fueling system will be provided with adequate filtration per UFC 3-460-01. All associated demolition, utilities, and support facilities to provide a complete and useable POL Complex. A GOV Gas Station will include two UL 2085 factory fabricated 5,000-gallon ASTs, two off-load containment boxes (one for each product), fuel dispensing equipment (two single hose tank mounted fuel dispensers), and spill containment.

CURRENT SITUATION: The existing facilities are at the end of their serviceable life, contain a single point of failure, and have a history of leaks. The system was constructed between 1955 and 1960 (over 60 years ago) and its primary components have not been significantly upgraded since that time. The six underground storage tanks and associated underground piping are direct buried and single walled. The piping and tanks cannot be examined from the exterior and there is no secondary containment for either. Single walled horizontal tanks of this era, size, and design are notoriously prone to leaks, especially from corroded underground piping connections. Per the Montana DEQ, March 23, 2005, Petroleum Release Report Follow-up, two of the tanks have previously released product to the environment in 1995 and 2004. There are safety issues with the single entry and exit, lack of emergency showers, and non-compliant electrical systems. There is only one off-load system; this represents a single point of failure for the entire facility. The entire facility is located immediately adjacent to the Base Perimeter Fence and the primary access road to the adjacent terminal. This places the POL Complex uncomfortably close to the commercial airline terminal and civilian access roads.

IMPACT IF NOT PROVIDED: If this project is not provided, the current fueling system will continue to deteriorate, causing leaks and eventual failure. The tanks are past their useful life and require higher than normal maintenance to keep them in service, significantly increasing the risk of fuel leaks and eventual system failure. There are substantial life/safety code deficiencies with a lack of an emergency shower and non-compliant electrical systems. Aboveground tanks are easier to inspect, repair, and do not pose the same risks to the environment as the existing single wall underground tanks.

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

1. COMPONENT DEFENSE (DLA)	**FY 2024 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MARCH 2023
3. INSTALLATION AND LOCATION GREAT FALLS INTERNATIONAL AIRPORT, MONTANA		4. PROJECT TITLE: FUEL FACILITIES	
5. PROGRAM ELEMENT 0701111S	6. CATEGORY CODE 125997	7. PROJECT NUMBER DESC2403	8. PROJECT COST ($000) 30,000

12. Supplemental Data:

A. Estimated Execution Data:

(1) Acquisition Strategy:	Design/Bid/Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	SEP 2021
(b) Percent of Design Completed as of January 2023:	35%
(c) Design or RFP Complete:	JUNE 2023
(d) Total Design Cost ($000):	$1,734
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used:	Yes
(3) Construction Data:	
(a) Contract Award:	DEC 2023
(b) Construction Start:	JAN 2024
(c) Construction Complete:	JAN 2026

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

Equipment Nomenclature	Procuring Appropriation	FY Appropriated of Requested	Cost ($000)
Automatic Tank Gauging	DWCF	2024	350

1. COMPONENT	FY 2024 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEFENSE (DLA)		MARCH 2023

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
HILL AIR FORCE BASE, UTAH	DEFENSE LOGISTICS AGENCY	1.09

b. AS OF											0
b. END FY											0

7. INVENTORY DATA *($000)*

a. TOTAL ACREAGE (acre)	0.00
b. INVENTORY TOTAL AS OF YYYMMDD	0.00
c. AUTHORIZATION NOT YET IN INVENTORY	0.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	14,200.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	0.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	14,200.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST ($000)	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
451134	OPEN STORAGE	36,445 SY	14,200	AUG 2020	JAN 2023

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

Hill Air Force Base is the home of the active duty 388th and reserve 419th Fighter Wings flying the F-35 and F-16 respectively as well as the Ogden Air Logistics Complex (ALC). DLA Distribution Hill, Utah supports the two on-base fighter wings and the maintenance functions performed by the Ogden ALC. Primary distribution support is provided for the Minuteman and Peacekeeper missiles and the Emergency Rocket Communication System, the F-16 Fighting Falcon, the A-10 Thunderbolt, the C-130 Hercules, and Air Force-wide depot level overhaul and repair functions. In addition, the distribution center supports the new F-35 Lightning II and the ICBM/missile replacement called LGM-35A "Sentinel" program.

Deferred sustainment, restoration, and modernization for DLA facilities at this location is $0.0 million.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

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

1. COMPONENT DEFENSE (DLA)	**FY 2024 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MARCH 2023

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
HILL AIR FORCE BASE, UTAH	OPEN STORAGE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0701111S	451134	DDCX20U1	14,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST
PRIMARY FACILITIES				**$ 6,805**
OPEN STORAGE AREA, DEPOT (CC451134)	SY	36,445	$ 150.06	$ 5,469
LOAD/UNLOADING PLATFORM (CC890158)	EA	1	$ 734,000.00	$ 734
ADMINISTRATIVE OFFICE, NON AIR FORCE (CC610811)	SF	434		$ 602
SUPPORTING FACILITIES				**$ 5,631**
SITE IMPROVEMENTS	LS			$ 3,544
SITE ELECTRICAL WORK	LS			$ 1,383
CIVIL UTILITIES	LS			$ 704
SUBTOTAL				**$ 12,436**
CONTINGENCY (5.00%)				$ 622
TOTAL CONTRACT COST				**$ 13,058**
SUPERVISION, INSPECTION AND OVERHEAD (SIOH)			6.50%	$ 849
ENGINEERING DESIGN DURING CONSTRUCTION				$ 261
TOTAL REQUEST				**$ 14,168**
TOTAL REQUEST (ROUNDED)				$ 14,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				**$ 45**

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a new open storage area, loading ramp and dock, and an administrative office to serve as a receiving building. The open storage lot consists of a combination of asphalt and concrete pavement as well as necessary marking and signage that will store materials and equipment. The loading ramp and dock will include the necessary foundation, ramp, docking slab, bumpers, electrical infrastructure and affixed equipment, and other required work. Finally, the receiving building will include office space, a mechanical room, and restroom along with HVAC, plumbing, fire protection, mechanical and electrical work, parking, security and access requirements, communications, data infrastructure, and other related work.

Site improvements include earthwork, grading, compaction, site demolition, landscaping, and related site work. All necessary storm piping, trenches, and catch basins encompass storm drainage requirements. Site fencing and gates are also provided. Incorporated site electrical work includes electrical utilities, transformers, grounding, wiring, and conduits. Site lighting to be included. Finally, civil utilities include all water, gas, and sewer utility requirements. Fire hydrants and other fire protection requirements are also provided.

1. COMPONENT DEFENSE (DLA)	**FY 2024 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MARCH 2023
3. INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH		4. PROJECT TITLE: OPEN STORAGE	
5. PROGRAM ELEMENT 0701111S	6. CATEGORY CODE 451134	7. PROJECT NUMBER DDCX20U1	8. PROJECT COST ($000) 14,200

11. REQUIREMENT: 36,445 SY **ADQT:** 0 SY **SUBSTD:** 0 SY

PROJECT: Construct a new open storage area. (C)

REQUIREMENT: A new open storage area at Hill AFB, Utah is needed to support the mission at Defense Logistics Agency (DLA) Distribution Hill, Utah (DDHU). DDHU provides key operations that includes receiving, storing, packing, and shipping of parts, tooling, military weapons systems spare parts, and other support equipment. This project will address a deficiency arising from the loss of an open storage lot previously available for DDHU mission activities.

CURRENT SITUATION: The previous storage "Lot 2" provided DDHU approximately 12 acres of outdoor space. This space has since been returned to the host site for a new United States Navy facility. The result required moving Lot 2 material to temporary alternate, inefficient locations on base. Due to the loss of Lot 2, DDHU is not able to fully meet outside storage requirements at Hill AFB. Hill AFB offered DLA a new location to store material, which consists of an unimproved area, "Lot 4." Lot 4 offers approximately 20 total acres of available space, of which a portion will be paved and developed under this project to serve as an adequate replacement for Lot 2.

IMPACT IF NOT PROVIDED: Failure to complete this project will severely impact DDHU's ability to support the new high priority F-35 depot maintenance and LGM-35A "Sentinel" programs, as well as other existing programs. DDHU is at full storage capacity, and as a result some required program materials will be stored at a substantial distance away at other DLA Distribution depots, depending on their available storage capacity. Accordingly, the retrieval of such program materials to supply them to military service customers at Hill AFB will incur both time delays and additional costs in extra handling and shipping, which will burden the customers' programs. Other adversely affected programs include the ICBM, A-10, F-16, C-130, aerospace ground equipment, foreign material sales, and other critical outdoor depot storage requirements.

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

1. COMPONENT DEFENSE (DLA)	**FY 2024 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MARCH 2023
3. INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH		4. PROJECT TITLE: OPEN STORAGE	
5. PROGRAM ELEMENT 0701111S	6. CATEGORY CODE 451134	7. PROJECT NUMBER DDCX20U1	8. PROJECT COST ($000) 14,200

12. Supplemental Data:

A. Estimated Execution Data:

(1) Acquisition Strategy:	Design/Bid/Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	AUG 2020
(b) Percent of Design Completed as of January 2023:	100%
(c) Design or RFP Complete:	JAN 2023
(d) Total Design Cost ($000):	93
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used:	No
(3) Construction Data:	
(a) Contract Award:	MAR 2024
(b) Construction Start:	MAY 2024
(c) Construction Complete:	MAY 2025

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

Equipment Nomenclature	Procuring Appropriation	FY Appropriated of Requested	Cost ($000)
Loading Dock Equipment	DWCF	2024	40
Fixtures, Furniture & Equipment	DWCF	2024	5

1. COMPONENT	FY 2024 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEFENSE (DLA)		MARCH 2023

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
DEFENSE FUEL SUPPLY POINT, MANCHESTER WASHINGTON	DEFENSE LOGISTICS AGENCY	1.20

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

7. INVENTORY DATA *($000)*	
a. TOTAL ACREAGE (acre)	0.00
b. INVENTORY TOTAL AS OF YYYMMDD	0.00
c. AUTHORIZATION NOT YET IN INVENTORY	71,000.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	0.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	0.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	71,000.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
41150	Bulk Storage Tanks PH 2	250,000 BL	71,000	NOV 2021	FEB 2023

9. FUTURE PROJECTS

41150	Bulk Storage Tanks PH 3	250,000 BL	72,000	OCT 2023	OCT 2024

10. MISSION OR MAJOR FUNCTIONS

Fleet Logistics Center Puget Sound (FLCPS) is one of the largest fuel storage and dispensing facilities in the Pacific Northwest. The primary mission of the facility is the bulk storage and distribution of aviation fuels and marine diesel in the Pacific theater.

Deferred sustainment, restoration, and modernization for fuel facilities at this location is $13.5M.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

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

1. COMPONENT DEFENSE (DLA)	**FY 2024 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MARCH 2023
3. INSTALLATION AND LOCATION DEFENSE FUEL SUPPLY POINT, MANCHESTER, WASHINGTON	4. PROJECT TITLE: BULK STORAGE TANKS PH 2	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702976S	84152	DESC2002B	71,000

9. COST ESTIMATES

PRIMARY FACILITIES				**$ 39,922**
CONTAINMENT (CC 84152)	GA	5,775,000	$ 2.99	$ 17,245
BULK STORAGE TANKS (CC 41121)	BL	250,000	$ 58.59	$ 14,647
PIPING (CC 12521)	LF	4,023	$ 1,996.02	$ 8,030
SUPPORTING FACILITIES				**$ 23,492**
SITE PREPARATION, IMPROVEMENTS AND DEMOLITION	LS			$ 19,128
MECHANICAL & ELECTRICAL UTILITIES	LS			$ 2,392
SPECIAL COSTS (CYBERSECURITY, CRANE SUPPORT, ETC.)	LS			$ 1,972
SUBTOTAL				**$ 63,414**
CONTINGENCY (5.00%)				$ 3,171
TOTAL CONTRACT COST				**$ 66,585**
SUPERVISION, INSPECTION AND OVERHEAD (SIOH)			6.50%	$ 4,328
TOTAL REQUEST				**$ 70,913**
TOTAL REQUEST (ROUNDED)				$ 71,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				**$ 15,000**

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

This project is the second phase of a three-phase project and will construct two above ground multi-product capable fuel storage tanks, secondary containment with connection to remote impoundment, and pipelines to connect to the marine diesel fuel (F-76) and naval jet fuel (JP-5) piping system. Each tank will have a capacity of 125,000 barrels of fuel and will include above ground manifold piping to allow storage of either JP-5 or F-76 fuel types with connection to the existing pump house.

Supporting facilities in this phase include site preparation, fire suppression utility upgrades, electrical utilities upgrades, and the closure, decommissioning, and demolition of two cut and cover tanks. Site preparation includes extensive site work required to construct the tanks and the containment. Per DoD standards, secondary containment around the new aboveground storage tanks, including the remote impoundment, must be sized for the complete and catastrophic failure of the largest tank.

1. COMPONENT DEFENSE (DLA)	**FY 2024 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MARCH 2023
3. INSTALLATION AND LOCATION DEFENSE FUEL SUPPLY POINT, MANCHESTER, WASHINGTON		4. PROJECT TITLE: BULK STORAGE TANKS PH 2	
5. PROGRAM ELEMENT 0702976S	6. CATEGORY CODE 84152	7. PROJECT NUMBER DESC2002B	8. PROJECT COST ($000) 71,000

11. REQUIREMENT: 850,000 Barrel (BL) **ADQT:** 450,000 BL **SUBSTD:** 0 BL

PROJECT: Construct above ground fuel storage tanks (ASTs) and associated piping, compliant with environmental laws to replace aged, existing underground fuel storage tanks. (C)

REQUIREMENT: This project is the second phase of a three-phase project constructing a total of six new 125,000-barrel ASTs and associated site improvements to replace outdated concrete cut and cover underground storage tanks at Fleet Logistics Center Puget Sound (FLCPS). Across the planned phases, the project will demolish a total of eight existing cut-and-cover bulk tanks. This project will keep the FLCPS fuel facility operational throughout the project construction and will extend the service life period by over 50 years.

CURRENT SITUATION: The existing facility consists of singe-wall cut-and-cover tanks built in the 1940s and 1950s. Fuel transfer and distribution occurs over 11 miles of either underground piping via tunnel or aboveground piping. Each tunnel contains tank issue, receipt, and sump piping.

Given the current regulatory criteria for underground storage tanks (USTs), the vintage design of single-walled cut-and-cover tanks is causing increased environmental scrutiny from federal, state, and regional regulatory agencies. Prior to 2015, the bulk field-constructed USTs were deferred from compliance with 40 CFR 280 (Federal UST Regulations). Deferred status was removed in 2015, and as of 2018, the facility must comply with new Environmental Protection Agency (EPA) UST regulations. To comply with the new UST Regulations, FLCPS must conduct annual tank tightness testing on all the tanks. Testing each tank takes approximately one week to complete, and the tanks must be static during testing causing operational disruption. If a tank fails the test, additional testing and inspection is required, further impacting operations. For six tanks, the current tank cleaning, inspection, and repair process takes a four-year cycle to complete. Historically, the Navy employs a ten-year periodicity for concrete tank inspection and repairs, driving individual tank out-of-service rates to 30 percent and the facility full mission capable rate to less than 75 percent. Mandatory repairs include drain line repairs, sleeving the issue and receipt lines, tank coating repairs, etc. Currently, the drain line represents an unprotected single point of failure.

The existing fire protection system supporting the project site meets neither the current DoD Unified Facilities Criteria (UFC) nor the National Fire Protection Association (NFPA) fire protection code requirements. The six-inch diameter water mains are over 70 years old and are beyond their useful service life. The water mains are undersized per NFPA criteria. The existing pump system does not provide an automatic fire water supply as required by codes and pressures are not sufficient to meet current UFC requirements.

Six of the existing cut and cover tanks and portions of the tunnel piping system are located within a recently identified active fault zone. Rupture of either tanks or piping increases the risk of product loss to the surrounding environment.

IMPACT IF NOT PROVIDED: If this facility is not constructed, the facility is at risk of not meeting its useable fuel storage capacity and economic resupply volume requirements for both JP-5 and F-76. In addition, environmental compliance requirements will increase tank out-of-service times if a tank fails its

1. COMPONENT DEFENSE (DLA)	**FY 2024 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MARCH 2023
3. INSTALLATION AND LOCATION DEFENSE FUEL SUPPLY POINT, MANCHESTER, WASHINGTON		4. PROJECT TITLE: BULK STORAGE TANKS PH 2	
5. PROGRAM ELEMENT 0702976S	6. CATEGORY CODE 84152	7. PROJECT NUMBER DESC2002B	8. PROJECT COST ($000) 71,000

annual tightness testing. Maintenance costs will continue to increase. Current cost projections are $3.55 million per tank over the next 20 years.

ADDITIONAL: Design will comply with UFC 3-460-01: Petroleum Fuel Facilities. Sustainable principles including life cycle cost effective practices will be integrated into design and construction in accordance with applicable laws and Executive Orders. This project will meet all applicable DoD criteria to include cyber-security. Mission requirements, operational considerations and location are incompatible with use by other components. This site is not located in a floodplain.

12. Supplemental Data:

A. Estimated Execution Data:

(1) Acquisition Strategy:	Design/Bid/Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	NOV 2021
(b) Percent of Design Completed as of January 2023:	85%
(c) Design or RFP Complete:	FEB 2023
(d) Total Design Cost ($000):	$3,280
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used:	No
(3) Construction Data:	
(a) Contract Award:	MAR 2024
(b) Construction Start:	JUN 2024
(c) Construction Complete:	JUL 2027

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

Equipment Nomenclature	Procuring Appropriation	FY Appropriated of Requested	Cost ($000)
Automatic Tank Gauging	DWCF	2024	15,000

Point of Contact is DLA Civil Engineer at 360-582-6456

1. COMPONENT	FY 2024 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEFENSE (DLA)		MARCH 2023

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
SOTO CANO AIR BASE, HONDURAS	DEFENSE LOGISTICS AGENCY	1.57

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

7. INVENTORY DATA *($000)*	
a. TOTAL ACREAGE (acre)	0.00
b. INVENTORY TOTAL AS OF YYYMMDD	0.00
c. AUTHORIZATION NOT YET IN INVENTORY	0.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	41,300.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	0.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	41,300.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
41121	Fuel Facilities	7,140 BL	41,300	OCT 2021	JUN 2023

9. FUTURE PROJECTS

10. MISSION OR MAJOR FUNCTIONS

Soto Cano Air Base (also known as Palmerola Air Base) is a Honduran military base 5 miles to the south of Comayagua in Honduras. The air base became operational in 1981, changing from the old location at the Honduras Air Force Academy in Toncontin, Tegucigalpa.

The U.S. military uses Soto Cano as a launching point for its war on drugs efforts in Central America as well as humanitarian aid missions throughout Honduras and Central America.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

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

1. COMPONENT DEFENSE (DLA)	**FY 2024 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MARCH 2023

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
SOTO CANO AIR BASE, HONDURAS	FUEL FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0701111S	41121	DESC2402	41,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST
PRIMARY FACILITIES				**$ 25,575**
JET FUEL STORAGE ABOVEGROUND, BULK (CC 41121)	BL	7,140	$ 1,158.54	$8,272
FILTER SEPARATOR FACILITY (CC 14165)	SF	2,200	$ 3,413.97	$7,511
POL OPS BUILDING (CC 14165)	SF	2,200	$ 1,462.47	$3,217
TRUCK OFFLOADS (CC 12630)	EA	2	$ 1,039,070.00	$2,078
TRUCK FILLSTANDS (CC 12120)	EA	2	$ 699,885.00	$1,400
REFUELER PARKING (CC 85212)	SY	867	$ 122.79	$106
FUEL PIPING (CC12521)	LF	1,100	$ 1,030.57	$1,134
FILLSTAND CANOPY (CC14179)	SF	5,400	$ 343.94	$1,857
SUPPORTING FACILITIES				**$ 11,046**
SITE PREPERATION	LS	1		$2,190
SITE DEVELOPMENT	LS	1		$752
SITE IMPROVEMENTS	LS	1		$2,680
CIVIL/MECHANICAL UTILITIES	LS	1		$666
SITE ELECTRICAL	LS	1		$4,205
CYBERSECURITY	LS	1		$554
SUBTOTAL				**$ 36,622**
CONTINGENCY (5.00%)				$ 1,831
TOTAL CONTRACT COST				**$ 38,453**
SUPERVISION, INSPECTION AND OVERHEAD (SIOH)			7.30%	$ 2,807
TOTAL REQUEST				**$ 41,260**
TOTAL REQUEST (ROUNDED)				$ 41,300
EQUIPMENT FROM OTHER APPROPRIATIONS (NONADD)				647

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct a new POL Complex on land that will remain within the exclusive US Forces area of Soto Cano Air Base (SCAB). Primary facilities include aboveground storage tanks with associated pumps, filter shelter and filtration equipment and control room, two truck filling stations, two truck off-load stations, canopy for offload fillstand area, POL Ops and Fuels Lab building, truck parking for six refueler trucks, and associated spill containment. The truck filling stations and off-load stations will be provided with a single shared canopy to protect the equipment from the elements. Supporting facilities include utilities and connections (lighting, paving, parking, walks, curbs, and gutters, storm drainage, Low Impact Development (LID), information systems, site development, and signage). Equipment From Other Appropriations (NON-ADD) as listed in block 9 are costs associated with the automatic tank gauge (ATG) which is required per UFC 3-460-01.

1. COMPONENT DEFENSE (DLA)	**FY 2024 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MARCH 2023

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
SOTO CANO AIR BASE, HONDURAS	FUEL FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0701111S	41121	DESC2402	41,300

11. REQUIREMENT: 7,140 Barrel (BL) **ADQT:** 5,950 BL **SUBSTD:** 5,950 BL

This project is required to provide a functional, efficient, cost effective and safe means of fueling DoD/Air Force aircraft assigned to SCAB. The storage and refueling facility will support refueler trucks for units stationed at SCAB. The new facility will replace existing facilities that are scheduled to be decommissioned and demolished prior to a real estate handover to Palmerola International Airport (PIA) as part of their facility expansion plans. The new facilities provided will be located on a new site and will include aboveground storage tanks, a filter shelter, and Control Room, two truck filling stations, two truck off-load stations, and POL Ops and Fuels Lab building. The off-load stations and truck filling stations will be collocated and provided with a canopy to protect the equipment from the elements. The fueling system will be provided with adequate filtration. A parking area for six refueler trucks and associated spill containment will be provided. A backup generator and associated infrastructure will be provided. All associated utilities, and support facilities to provide a complete and useable POL Complex.

CURRENT SITUATION:
The existing fuel system at SCAB is scheduled for decommissioning prior to a 2025 real estate handover to the airport authority. As part of the real-estate handover the existing facilities will be demolished separately from this MilCon project.

IMPACT IF NOT PROVIDED:
If this project is not provided, the base will be required to purchase fuel from PIA. The requirement to purchase fuel from PIA will result in a loss of control over fuel quality and type that will be provided to military aircraft. The base currently supplies JAA (Jet Fuel with Military Additives) for military aircraft, however civilian aircraft typically do not require the additives that are provided for military aircraft and instead use Jet-A. The requirement to purchase fuel from PIA would also represent a potential financial risk to the government as prices would be subjected to fluctuations in the pricing of petroleum products.

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

12. Supplemental Data:

A. Estimated Execution Data:	
(1) Acquisition Strategy:	Design/Bid/Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	OCT 2021
(b) Percent of Design Completed as of January 2023:	35%
(c) Design or RFP Complete:	JUN 2023
(d) Total Design Cost ($000):	$2,800
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used:	No
(3) Construction Data:	
(a) Contract Award:	FEB 2024
(b) Construction Start:	APR 2024
(c) Construction Complete:	MAY 2026

1. COMPONENT DEFENSE (DLA)	**FY 2024 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MARCH 2023
3. INSTALLATION AND LOCATION SOTO CANO AIR BASE, HONDURAS		4. PROJECT TITLE: FUEL FACILITIES	
5. PROGRAM ELEMENT 0701111S	6. CATEGORY CODE 41121	7. PROJECT NUMBER DESC2402	8. PROJECT COST ($000) 41,300

12. continued

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

Equipment Nomenclature	Procuring Appropriation	FY Appropriated of Requested	Cost ($000)
Automatic Tank Gauging	DWCF	2024	647

1. COMPONENT	FY 2024 MILITARY CONSTRUCTION PROGRAM	2. DATE
DEFENSE (DLA)		MARCH 2023

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONTRUCTION COST INDEX
NAVAL STATION ROTA, SPAIN	DEFENSE LOGISTICS AGENCY	1.37

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

7. INVENTORY DATA *($000)*	
a. TOTAL ACREAGE (acre)	0.00
b. INVENTORY TOTAL AS OF YYYMMDD	0.00
c. AUTHORIZATION NOT YET IN INVENTORY	0.00
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	80,000.00
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0.00
f. PLANNED IN NEXT THREE PROGRAM YEARS	0.00
g. REMAINING DEFICIENCY	0.00
h. GRAND TOTAL	80,000.00

8. PROJECTS REQUESTED IN THIS PROGRAM

a. CATEGORY			b. COST *($000)*	c. DESIGN STATUS	
(1) CODE	(2) PROJECT TITLE	(3) SCOPE		(1) START	(2) COMPLETE
41122	Bulk Tank Farm PH 1	100,000 BL	80,000	NOV 2020	MAY 2023

9. FUTURE PROJECTS

41122	Bulk Tanks Farm PH 2	250,000 BL	82,000	OCT 2024	OCT 2025

10. MISSION OR MAJOR FUNCTIONS

The Commander, Naval Activities (COMNAVACT) Spain is headquartered in Rota and serves as the area coordinator for all U.S. Naval Activities ashore in Spain and Portugal. COMNAVACT Spain also serves as the commanding officer of Naval Station Rota. Station infrastructure includes a 670-acre airfield, three active piers, 400 facilities and approximately 375 family housing units. Naval Station Rota provides support for U.S. and NATO ships, supports the safe and efficient movement of U.S. Navy and U.S. Air Force flights and passengers, and provides cargo, fuel and ammunition to units in the region. NAVSTA Rota is the only base in the European theater capable of supporting Amphibious Ready Group (ARG) post-deployment wash-downs. The base port also offers secure, pier-side maintenance and backload facilities.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

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

1. COMPONENT DEFENSE (DLA)	**FY 2024 MILITARY CONSTRUCTION PROJECT DATA**	2. Date MARCH 2023

3. INSTALLATION AND LOCATION	4. PROJECT TITLE:
NAVAL STATION ROTA, SPAIN	BULK TANK FARM PH 1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702976S	41122	DESC2102	80,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				**$ 65,229**
CUT & COVER FUEL STORAGE TANKS (CC 41122)	BL	100,000	$ 387.30	$ 38,730
CARGO TRANSFER PIPELINE (CC 12510)	LF	12,467	$ 1,638.65	$ 20,429
TANK PUMP VAULTS (CC 12517)	SF	1,570	$ 2,324.84	$ 3,650
ADDITIVE INJECTION BUILDING (CC 41155)	GA	1,650	$ 1,466.67	$ 2,420
SUPPORTING FACILITIES				**$ 5,700**
MECHANICAL UTILITIES	LS			$ 2,010
PAVING AND SITE IMPROVEMENTS	LS			$ 1,880
ELECTRICAL UTILITIES	LS			$ 970
SITE PREPARATIONS	LS			$ 390
CYBERSECURITY FEATURES	LS			$ 250
TANK DECOMMISSIONING	LS			$ 200
SUBTOTAL				**$ 70,929**
CONTINGENCY (5.00%)				$ 3,546
TOTAL CONTRACT COST				**$ 74,475**
SUPERVISION, INSPECTION AND OVERHEAD (SIOH)			7.30%	$ 5,437
TOTAL REQUEST				**$ 79,912**
TOTAL REQUEST (ROUNDED)				$ 80,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				**$ 20,000**

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Phase I constructs two (2) 50,000-barrel bulk storage tanks constructed to the USAFE/NATO Cut-and-Cover Standard Design. Each tank will have a dedicated pumphouse building with pumps and equipment to allow product transfer at 1,200 gpm to the existing hydrant system. Project also constructs an Additive Injection building (CI/LI, SDA, and FSII storage tanks with injection pumps) to allow conversion of incoming Jet A-1 fuel to JP-8 and a backup emergency generator to support pumps for both tanks. Underground transfer piping will be provided to connect this building to the existing 'Enroute' pipeline to allow receipt and issue of product.

The project also constructs a new JP-5 cargo pipeline from the Bulk Tank Farm (Valve Pit 'ML-4') to Pier '3' to allow increased capacity and operational flexibility during cargo transfer operations. The new pipeline will be capable of pigging operations and include cathodic protection and a new metering station to measure custody transfer.

1. COMPONENT DEFENSE (DLA)	**FY 2024 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MARCH 2023
3. INSTALLATION AND LOCATION NAVAL STATION ROTA, SPAIN		4. PROJECT TITLE: BULK TANK FARM PH 1	
5. PROGRAM ELEMENT 0702976S	6. CATEGORY CODE 41122	7. PROJECT NUMBER DESC2102	8. PROJECT COST ($000) 80,000

11. REQUIREMENT: 300,000Bbl/product **ADQT:** 200,000 Bbl/product **SUBSTD:** <200,000Bbl/product

PROJECT: Construct cut-and-cover JP-8 bulk storage tanks, fuel pipeline, dedicated pumphouse building for each tank, and a building for the additive injection system. (C)

CURRENT SITUATION: The existing 50,000-barrel bulk storage tanks are US Military 1950s vintage design, single wall, welded steel, cut and cover fuel storage tanks with internal horizontal and vertical shell stiffeners. The tanks are 122 feet diameter, 24 feet shell height. A portion of the tanks is constructed below groundwater level. The tanks have a subdrain system to depress the groundwater level locally at the tank consisting of a 6-inch diameter perforated concrete subdrain pipe that encircles the tank and leads to a collection point where it discharges to the ground surface and occasionally valve pits. Most drainage pipe outfalls have deteriorated to a collapsed state. The tanks have no secondary containment and no active leak detection for compliance with Spanish Environmental Regulations. Tank history inspection reports for the Bulk Storage tanks indicate occasional water intrusion through floor welds and repairs to the tank bottoms. Other original construction flaws, and subsequent substandard repairs have contributed to integrity breaches and subsequent floor weld failures when tanks are at low fuel/empty condition. Existing pumps are 1950s vintage and exposed to the elements. Replacement parts are not available as the manufacturer is no longer in business. In addition to tank floor, subdrain, and pump problems, the tanks at Bulk Storage do not meet UFC and NATO criteria. The tanks have been subject to an extensive Life Cycle Cost/Business Case Analysis that further defined the problems, potential solutions, and overall life cycle costs.

IMPACT IF NOT PROVIDED: The existing cut and cover tanks will continue to deteriorate and present a critical environmental and operational risk to the US government and the Spanish Ministry. The tanks could be requested to be taken out of service today by Spanish Authorities. This can lead to mission failure for NAVSTA Rota and Moron AB because of the lack of fuel storage.

The status quo of cleaning and inspecting existing tanks from circa 1957 will continue to increase operational risk and result in frequent and significant ongoing maintenance and repair costs to keep the 60 + year old tanks in a serviceable condition. A Life Cycle Analysis of Alternatives was completed in May 2015 by Enterprise Engineering Inc. This 205-page report forecasted a $114.65M inspection and repair bill for the Rota tanks. This bill will have to be repeated every 10-20 years depending on the maximum inspection life of the tanks. The Net Present Value calculations of the Status Quo are $242,364,341. However, the annual operational costs far exceed those used in this study by a minimum of 80% and are likely to do so for the next five years. Thus, a revised Net present Value of $435,110,894 would not be unrealistic.

Environmentally, these tanks represent a great risk to the surrounding area due to the age, single wall construction, and contact with groundwater. A fuel release at this facility would inflict a great cost. Additionally, each tank that is removed from service due to failure represents an increased potential for the Base to fail to meet its fueling mission.

1. COMPONENT DEFENSE (DLA)	**FY 2024 MILITARY CONSTRUCTION PROJECT DATA**		2. Date MARCH 2023
3. INSTALLATION AND LOCATION NAVAL STATION ROTA, SPAIN		4. PROJECT TITLE: BULK TANK FARM PH 1	
5. PROGRAM ELEMENT 0702976S	6. CATEGORY CODE 41122	7. PROJECT NUMBER DESC2102	8. PROJECT COST ($000) 80,000

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

12. Supplemental Data:

A. Estimated Execution Data:

(1) Acquisition Strategy:	Design/Bid/Build
(2) Design Data:	
(a) Design or Request for Proposal (RFP) Started:	NOV 2020
(b) Percent of Design Completed as of January 2023:	35%
(c) Design or RFP Complete:	MAY 2023
(d) Total Design Cost ($000):	$5,850
(e) Energy Study and/or Life Cycle Analysis performed:	Yes
(f) Standard or definitive design used:	No
(3) Construction Data:	
(a) Contract Award:	MAR 2024
(b) Construction Start:	APR 2024
(c) Construction Complete:	APR 2026

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

Equipment Nomenclature	Procuring Appropriation	FY Appropriated of Requested	Cost ($000)
AFHE	DWCF	2024	20,000

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