



OFFICE OF THE UNDER SECRETARY OF DEFENSE

3000 DEFENSE PENTAGON  
WASHINGTON, DC 20301-3000

ACQUISITION  
AND SUSTAINMENT

25-Feb-21

The Honorable Jack Reed  
Chairman  
Committee on Armed Services  
United States Senate  
Washington, DC 20510

Dear Mr. Chairman:

Section 2815 of title 10, United States Code, as added by section 2801(b) of the National Defense Authorization Act (NDAA) for Fiscal Year 2020 (Public Law 116-92), requires the Department to notify the congressional defense committees whenever a decision is made to carry out a military construction (MilCon) project under this section. The Department must also submit an annual report by December 31 each year through 2025 on the status of the planned and active projects carried out under this section. This letter is submitted as the annual report for FY 2020.

Section 2815 directs that “the Secretary of Defense shall carry out MilCon projects for military installation resilience, in accordance with section 2802” of title 10, United States Code, which provides that the Department may only undertake such MilCon projects as are authorized by law. It does not, however, confer such MilCon authorization. That being the case, the Department did not undertake any MilCon projects pursuant to section 2815 because section 2815 does not confer MilCon authorization.

Understanding that section 2815 evidences the congressional defense committees interest in planned and active MilCon projects for military installation resilience, regardless of the authority pursuant to which the Department acted, the Department hereby reports that it undertook one MilCon project primarily for the purpose of increasing military installation resilience in FY 2020. Specifically, as authorized in section 4601 of the FY 2020 NDAA, the Department initiated the Dry Dock Flood Protection Improvements at the Portsmouth Naval Shipyard in Virginia for which the DD Form 1391 is enclosed with additional information.

Your continued support for the men and women of the Department of Defense is appreciated. I am sending identical letters to the other congressional defense committees.

Sincerely,

Digitally signed by  
CUMMINGS, STACY.A.10405975  
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Date: 2021.02.25 16:59:28 -05'00'

Stacy A. Cummings  
Principal Deputy Assistant Secretary of Defense  
(Acquisition)  
Performing the Duties of Under Secretary of  
Defense for Acquisition and Sustainment

The estimated cost of report or study for the Department of Defense is approximately \$1,500 for the 2021 Fiscal Year. This includes \$100 in expenses and \$1,500 in DoD labor.

Generated on 2021Jan8 RefID: C-8619CFD

**Enclosures:**

**As stated**

**cc:**

**The Honorable James M. Inhofe  
Ranking Member**



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AND SUSTAINMENT

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25-Feb-21

The Honorable Adam Smith  
Chairman  
Committee on Armed Services  
U.S. House of Representatives  
Washington, DC 20515

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**Enclosure:**  
**As stated**

**cc:**  
**The Honorable Mike D. Rogers**  
**Ranking Member**

1. Component NAVY	FY 2020 MILITARY CONSTRUCTION PROGRAM			2. Date 04 FEB 2019
3. Installation (SA) & Location/UIC: N32443 NAVAL SUPPORT STATION NRFK NSY PORTSMOUTH, VIRGINIA			4. Project Title Dry Dock Flood Protection Improvements	
5. Program Element 0703676N	6. Category Code 87135	7. Project Number P653	8. Project Cost (\$000) 48,930	
<b>9. COST ESTIMATES</b>				
Item	UM	Quantity	Unit Cost	Cost (\$000)
DRY DOCK FLOOD PROTECTION IMPROVEMENTS	LS			33,210
FLOOD PROTECTION RETAINING WALL CC87135 (4,829LF)	m	1,472	8,974.18	(13,210)
WF-DRYDOCK-1-MS CC21310 (RENOVATE)	LS			(650)
WF-DRYDOCK-2-MS CC21310 (RENOVATE)	LS			(1,240)
WF-DRYDOCK-3-MS CC21310 (RENOVATE)	LS			(1,150)
CAISSON GUNWALE EXTENSION DD-1	EA	1	1,455,779	(1,460)
CAISSON GUNWALE EXTENSION DD-3	EA	1	1,676,201.63	(1,680)
CAPSTANS	EA	5	337,663.29	(1,690)
BUILT-IN EQUIPMENT	LS			(4,670)
SPECIAL COSTS	LS			(7,260)
OPERATION & MAINTENANCE SUPP INFO (OMSI)	LS			(200)
SUPPORTING FACILITIES				10,880
SITE PREPARATIONS	LS			(760)
PAVING AND SITE IMPROVEMENTS	LS			(2,240)
ELECTRICAL UTILITIES	LS			(5,310)
MECHANICAL UTILITIES	LS			(2,570)
SUBTOTAL				44,090
CONTINGENCY (5%)				2,200
TOTAL CONTRACT COST				46,290
SIOH (5.7%)				2,640
SUBTOTAL				48,930
TOTAL REQUEST ROUNDED				48,930
TOTAL REQUEST				48,930
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1,264)
<b>10. Description of Proposed Construction:</b>				
Constructs a permanent flood wall to protect Dry Docks 1, 2, 3 and 4, associated facilities, infrastructure and equipment from flooding from the Elizabeth River. Flood wall shall be cast-in-place reinforced concrete wall				

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on shallow foundation and it shall be supported on soil treated with subsurface grout injection.

Modifies existing Dry Docks 1 and 3 caisson gunwales.

Constructs caisson seat extensions for Dry Docks 1, 2, and 3.

Removes existing capstans and constructs removable capstans on new foundations.

This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism standards.

Facility-related control systems include cybersecurity features in accordance with current Department of Defense criteria.

Built-in equipment includes flood gates at access points within the flood wall structure.

Special costs include Post Construction Contract Award Services (PCAS), shipyard factors, archaeological site reviews, enhanced construction surveillance and cultural resource mitigation.

Operation and Maintenance Support Information (OMSI) is included in this project.

Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.

Paving and site improvements include asphalt and concrete pavement with necessary markings, site demolition and reconstruction of railroad tracks at floodgate crossings. This project includes construction of controlled industrial area (CIA) security fence mounted on the top of the flood wall.

Electrical utilities include sealing of conduit openings, constructing of waterproofed manhole covers, electrical supply for relocated capstans, power line tracing and de-energizing.



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<p>In order to enable safe docking of vessels, new foundations for movable capstans shall be constructed and electrical power will be provided for the relocated capstans.</p> <p>Flood wall shall be constructed inside CIA and part of the flood wall shall incorporate CIA fence mounted on the top of wall.</p> <p>Modifications to the storm and sanitary sewer system are needed to prevent reverse flow via the existing storm drain and sanitary sewer infrastructure and will include: new manholes with additional gate valves, backflow preventers, flapper valves, storm collection systems and provision of emergency portable pump.</p> <p>To prevent seepage into impounded area, all openings in utility tunnels, manholes and duct banks shall be sealed.</p> <p>Underground utilities storm water, sanitary sewer, compressed air, steam, salt water, potable water impacted by flood wall construction shall be reconstructed.</p> <p><b>CURRENT SITUATION:</b></p> <p>The project site is located along the Southern Branch of the Elizabeth River, a tidally influenced estuary of Chesapeake Bay. This section of the river is subject to tidal ebb and flood flows, flooding from coastal storm surges (hurricanes, tropical storms, nor'easters) and is considered a special hazard area for flood hazard purposes. The low ground elevation around Dry Docks 1, 2, 3 and 4 exposes the dry docks and their pump wells and utilities and related repair shops to frequent tidal related flooding and damage from extreme high tides and storm surge. Dry docks experience flood water inundation and subsurface water seepage into the supporting services, including the pump wells and the electrical and mechanical utility systems.</p> <p>Dry Docks 1, 2, 3 and 4 have Facility Condition Indices of 100, 46, 100 and 100 respectively.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>The risk of significant flooding of Dry Docks 1, 2, 3, and 4 will continue to increase over the years.</p> <p>Making safe a nuclear submarine overhauled in a dry dock from potential flooding due to approaching storms is a costly procedure which significantly impacts shipyard operations. When a submarine is in dry dock there are numerous hull cuts and openings that require lengthy process to</p>				



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<p>make water tight. To shut down an overhaul of a submarine in the middle of its availability due to an approaching storm is an expensive operation causing significant slippage of the overhaul schedule. Significant damage to the inside of a nuclear submarine could reach \$100 to \$400 million dollars to repair if flooded. Flooding of the nuclear submarine's interior could jeopardize the safe operation of the nuclear propulsion system. Additionally, flood damage to the dry dock structure or its support utilities and facilities could substantially impact the ability to restore repair operations after a storm event.</p>				
<b>12. Supplemental Data:</b>				
A. Estimated Design Data:				
1. Status:				
(A) Date design or Parametric Cost Estimate started				10/2017
(B) Date 35% Design or Parametric Cost Estimate complete				03/2018
(C) Date design completed				02/2020
(D) Percent completed as of September 2018				15%
(E) Percent completed as of January 2019				25%
(F) Type of design contract				Design Bid Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy Study/Life Cycle Analysis performed				
2. Basis:				
(A) Standard or Definitive Design				
(B) Where design was previously used				
3. Total Cost (C) = (A) + (B) = (D) + (E):				
(A) Production of plans and specifications				\$2,888
(B) All other design costs				\$1,926
(C) Total				\$4,814
(D) Contract				\$3,930
(E) In-house				\$884
4. Contract award:				08/2020
5. Construction start:				09/2020
6. Construction complete:				08/2023
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>		<u>Procuring</u>	<u>FY Approp</u>	
<u>Nomenclature</u>		<u>Approp</u>	<u>or Requested</u>	<u>Cost (\$000)</u>
Emergency Diesel Pumps		OMN	2022	1,264
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the				

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<p>scope of the project is based on Department of the Navy requirements.</p> <p>Activity POC: Project Development Lead      Phone No: 757-396-9818</p>				

**Title 10 United States Code § 2815: Military Installation Resilience Projects**  
(Added Pub. L. 116–92, div. B, title XXVIII, § 2801(b)(1), Dec. 20, 2019, 133 Stat. 1880.)

(a) **Projects Required.**—The Secretary of Defense shall carry out military construction projects for military installation resilience, in accordance with section 2802 of this title.

(b) **Congressional Notification.**—

(1) When a decision is made to carry out a project under this section, the Secretary of Defense shall notify the congressional defense committees of that decision.

(2) The Secretary of Defense shall include in each notification submitted under paragraph (1) the rationale for how the project would—

- (A) enhance military installation resilience;
- (B) enhance mission assurance;
- (C) support mission critical functions; and
- (D) address known vulnerabilities.

(c) **Timing of Projects.**—A project may be carried out under this section only after the end of the 14-day period beginning on the date that notification with respect to that project under subsection (b) is received by the congressional defense committees in an electronic medium pursuant to section 480 of this title.

(d) **Annual Report.**—Not later than 90 days after the end of each fiscal year until December 31, 2025, the Secretary of Defense shall submit to the congressional defense committees a report on the status of the planned and active projects carried out under this section (including completed projects), and shall include in the report with respect to each such project the following information:

- (1) The title, location, a brief description of the scope of work, the original project cost estimate, and the current working cost estimate.
- (2) The information provided under subsection (b)(2).
- (3) Such other information as the Secretary considers appropriate.