DEPARTMENT OF THE NAVY
FISCAL YEAR (FY) 2017
REQUEST FOR
ADDITIONAL APPROPRIATIONS

JUSTIFICATION OF ESTIMATES
MARCH 2017

Military Construction
The estimated cost for this report for the Department of the Navy (DON) is $36,719.

The estimated total cost for supporting the DON budget justification material is approximately $1,834,000. This includes $75,200 in supplies and $1,758,800 in labor.
### Department of Defense

**Military Construction and Family Housing**

**Base Budget**

<table>
<thead>
<tr>
<th>Appropriation</th>
<th>FY 2017 PB Request</th>
<th>FY 2017 Enacted</th>
<th>FY 2017 March Additional Request</th>
<th>FY 2017 Revised Total Base</th>
</tr>
</thead>
<tbody>
<tr>
<td>Military Construction, Navy</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Major Construction</td>
<td>909,743</td>
<td>1,220,059</td>
<td>16,708</td>
<td>1,236,767</td>
</tr>
<tr>
<td>Prior Year Projects -- Cost to Complete:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FY 2016 Unaccompanied Housing, Patuxent River, MD</td>
<td></td>
<td></td>
<td>2,043</td>
<td></td>
</tr>
<tr>
<td>FY 2016 Electrical Repairs to Piers 2,6,7 and 11, Norfolk, VA</td>
<td></td>
<td></td>
<td>12,166</td>
<td></td>
</tr>
<tr>
<td>FY 2016 Waterfront Utilities, Portsmouth, VA</td>
<td></td>
<td></td>
<td>2,499</td>
<td></td>
</tr>
<tr>
<td>Minor Construction</td>
<td>29,790</td>
<td>29,790</td>
<td>-</td>
<td>29,790</td>
</tr>
<tr>
<td>Planning and Design</td>
<td>88,230</td>
<td>88,230</td>
<td>50,000</td>
<td>138,230</td>
</tr>
<tr>
<td>Total Military Construction, Navy</td>
<td>1,027,763</td>
<td>1,338,079</td>
<td>66,708</td>
<td>1,404,787</td>
</tr>
</tbody>
</table>
For an additional amount for “Military Construction, Navy and Marine Corps”, $66,708,000, to remain available until September 30, 2021: Provided, That such funds may be obligated and expended to carry out planning and design and military construction projects authorized by law.

This request will fund the planning, design, and construction of facilities and infrastructure at Department of Navy installations. Funds will be used for enacted projects requiring additional funds to complete construction and will provide critical planning and design for future and emergent projects.

The three previously enacted projects requiring additional funds will provide improved operations at Naval shipyards and safe housing for Navy personnel. Inability to complete these projects will further contribute to declines in readiness and warfighter support. Lack of additional planning and design funds will delay the delivery of future construction projects that support readiness.
Military Construction, Navy
FY 2017 Supplemental Request

Installation: Patuxent River, Maryland

Project: Unaccompanied Housing

Project Number: P975


Estimated Cost ($000):

Previously Appropriated 40,935
Supplemental Request 2,043
Total Estimated Cost 42,978

Project description: Constructs a multi-story unaccompanied housing (UH) facility to provide two-bedroom market-style units for E1-E4 permanent party personnel. The project also constructs an alert force facility adjacent to Building #2199 to support administrative and training spaces for aircraft squadron personnel currently located in Building #468, which will be demolished as part of this project. A total of seven buildings will be demolished. The existing UH facilities are old, not configured to meet current UH criteria, lack storage spaces, lack adequate fire protection systems, and have poorly functioning heating, air conditioning and ventilation systems. They are also located in an aircraft accident potential zone in violation of airfield safety criteria.

Justification: Market conditions in the Baltimore/Washington area have become less favorable for Navy construction projects. The growth in the number of commercial-sector construction projects in this recovering market has put a premium on labor, sub-contractors and materials. Proposals for Navy projects have been higher than expected. Budget cost estimates were based on market conditions that were more favorable to the government.
Installation: Norfolk, Virginia

Project: Electrical Repairs to Piers 2, 6, 7 and 11

Project Number: P610


Estimated Cost ($000):

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Previously Appropriated</td>
<td>44,254</td>
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<tr>
<td>Supplemental Request</td>
<td>12,166</td>
</tr>
<tr>
<td>Total Estimated Cost</td>
<td>56,420</td>
</tr>
</tbody>
</table>

Project description: Constructs new 480-volt power systems on Piers 2, 6, 7 and 11 to include connectors, receptacle stations, conduits, and cables to protected ductbanks located between the upper and lower pier decks. Electrical conduit and cable systems on the double-deck piers have failed at many locations and continue to have outages caused by storms. Each major storm creates significant damage to the current cable systems due to high water flooding the lower deck and floating objects ramming the utilities components. Deterioration is creating problems with reliability and safety issues with the electrical systems. Reliable shore power to ships in port is required.

Justification: The cost for the power receptacle stations is much higher than budgeted. The original design was determined to be unsuitable due to safety and storm damage vulnerability concerns and would not be able to adequately service the mix of ships required.
Installation: Portsmouth, Virginia

Project: Waterfront Utilities

Project Number: P614


Estimated Cost ($000):

- Previously Appropriated: 45,513
- Supplemental Request: 2,499
- Total Estimated Cost: 48,012

Project description: Installs five new permanent substations providing industrial and shore power to Dry Docks 2 and 3; replaces existing potable water distribution lines and riser around Dry Docks 2, 3 and 4; and replaces the existing salt water pipelines around Dry Dock 4. The existing pump at Berth 18 will be replaced. The utilities around the dry docks and at Berth 18 are undersized, severely deteriorated, inefficient and outdated and lack adequate capacity to serve the ships in dry dock or at berth.

Justification: The water and saltwater distribution systems were significantly more costly than budgeted due to unexpected site conditions identified during final design. The existing water lines were more deteriorated than anticipated, thus requiring replacement. Additionally, conflicts with existing utilities were encountered resulting in the need for special measures and increased length of utility runs. Finally, higher capacity piping and appurtenances were needed to meet flow pressure and quantity requirements.
All projects in a military construction program presented for approval must be based on sound engineering and the best cost data available. For this reason, design is initiated to establish project estimates in advance of program submittal to the Congress. Based on this preliminary design, final plans and specifications are then prepared. These costs for architectural and engineering services and construction design are not provided for in the construction project cost estimates except in those where Design/Build contracting method is used.

**IMPACT IF NOT PROVIDED:**

**CURRENT SITUATION:**

N/A

**ADDITIONAL: Economic Alternatives Considered:**
### Supplemental Data:

#### A. Estimated Design Data:

1. **Status:**
   - (A) Date design or Parametric Cost Estimate started
   - (B) Date 35% Design or Parametric Cost Estimate complete
   - (C) Date design completed
   - (D) Percent completed as of September 2015
   - (E) Percent completed as of January 2016
   - (F) Type of design contract
   - (G) Parametric Estimate used to develop cost
   - (H) Energy Study/Life Cycle Analysis performed

2. **Basis:**
   - (A) Standard or Definitive Design
   - (B) Where design was previously used

3. **Total Cost** 
   - (A) Production of plans and specifications
   - (B) All other design costs
   - (C) Total
   - (D) Contract
   - (E) In-house

4. **Contract award:**
5. **Construction start:**
6. **Construction complete:**

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

- NONE

**JOINT USE CERTIFICATION:**

- N/A

**Activity POC:**

- Phone No: