### National Security Agency

**Military Construction, Defense-Wide**

($ in Thousands)

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Maryland</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Fort Meade</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>NSAW Campus Feeders Phase 2</td>
<td>33,745</td>
<td>33,745</td>
<td>C</td>
<td>135</td>
</tr>
<tr>
<td>NSAW Recapitalization</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Building #2 Incr 1</td>
<td>782,332</td>
<td>34,897</td>
<td>C</td>
<td>137</td>
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**Total**

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<tr>
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<tbody>
<tr>
<td>816,077</td>
<td>68,642</td>
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</tbody>
</table>
1. COMPONENT
NSA/CSS DEFENSE

FY 2016 MILITARY CONSTRUCTION PROGRAM

3. INSTALLATION AND
LOCATION
FT. George G. Meade, Maryland

4. COMMAND
NSA/CSS

5. AREA CONSTRUCTION
COST INDEX
1.02

6. PERSONNEL STRENGTH
IC Community Installation

<table>
<thead>
<tr>
<th>PERMANENT</th>
<th>STUDENTS</th>
<th>SUPPORTED</th>
<th>TOTAL</th>
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<tbody>
<tr>
<td></td>
<td>OFF</td>
<td>ENL</td>
<td>CIV</td>
</tr>
<tr>
<td></td>
<td>CLASS</td>
<td>IFED</td>
<td></td>
</tr>
</tbody>
</table>

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE
0

B. INVENTORY TOTAL AS OF DEC 2014
0

C. AUTHORIZED NOT YET IN INVENTORY
0

D. APPROPRIATION REQUESTED IN THIS PROGRAM
68,642

E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM
213,158

F. PLANNED IN NEXT THREE YEARS
1,049,964

G. PLANNING AND DESIGN COST
0

H. REMAINING DEFICIENCY
0

I. GRAND TOTAL
1,331,764

8. PROJECTS
REQUESTED IN
THIS PROGRAM:

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>CODE</th>
<th>PROJECT NUMBER</th>
<th>PROJECT TITLE</th>
<th>COST ($000)</th>
<th>DESIGN START</th>
<th>DESIGN COMPLETE</th>
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<tbody>
<tr>
<td></td>
<td>81242</td>
<td>31066</td>
<td>NAW Campus Buildings Feeders Phase 2 (FY16)</td>
<td>33,745</td>
<td>OCT 2013</td>
<td>DEC 2014</td>
</tr>
<tr>
<td></td>
<td>14162</td>
<td>30583</td>
<td>NAW Recapitalization Building #2, Incr 1 (FY16)</td>
<td>34,897</td>
<td>MAY 2014</td>
<td>OCT 2015*</td>
</tr>
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</table>

9. FUTURE PROJECTS:

a. INCLUDED IN
FOLLOWING
PROGRAM (FY17)

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>PROJECT CODE</th>
<th>PROJECT NUMBER</th>
<th>PROJECT TITLE</th>
<th>COST ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>81242</td>
<td>31067</td>
<td>NAW Campus Buildings Feeders Phase 3 (FY17)</td>
<td>18,410</td>
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<tr>
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<td>14162</td>
<td>30583</td>
<td>NAW Recapitalization Building #2, Increment 2 (FY17)</td>
<td>194,748</td>
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</table>

b. PLANNED IN
NEXT THREE YEARS (FY18-20)

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>PROJECT CODE</th>
<th>PROJECT NUMBER</th>
<th>PROJECT TITLE</th>
<th>COST ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>14162</td>
<td>30583</td>
<td>NAW Recapitalization Building #2, Increment 3 (FY18)</td>
<td>314,150</td>
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<tr>
<td></td>
<td>61050</td>
<td>32122</td>
<td>Vehicle Control Inspection Facility (VCIF)/Vehicle Control Points (VCPs)(FY18)</td>
<td>41,681</td>
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<td>14162</td>
<td>30583</td>
<td>NAW Recapitalization Building #2, Increment 4 (FY19)</td>
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<tr>
<td></td>
<td>14162</td>
<td>32546</td>
<td>NAW Recapitalization Building #3, Increment 1 (FY19)</td>
<td>83,274</td>
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<td>85110</td>
<td>32772</td>
<td>NAW VMS North/South Connectors (FY 20)</td>
<td>138,511</td>
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<td></td>
<td>61050</td>
<td>32123</td>
<td>Vehicle Control Inspection Facility (VCIF)/ Vehicle Control Points (VCPs) (FY20)</td>
<td>34,794</td>
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<tr>
<td></td>
<td>14162</td>
<td>32546</td>
<td>NAW Recapitalization Building #3, Increment 2 (FY20)</td>
<td>199,017</td>
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</tbody>
</table>

Footnote:
*RFP completion date

UNCLASSIFIED
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

A. AIR POLLUTION 0
B. WATER POLLUTION 0
C. OCCUPATIONAL SAFETY AND HEALTH 0
10. DESCRIPTION OF PROPOSED CONSTRUCTION: The proposed construction provides a new campus electrical distribution system comprised of new ductbanks, manholes, and medium voltage power feeders. Load interrupter switches, which eliminate medium voltage feeder splices, will be installed at the point of connection for the buildings on the NSAW Central Campus. In addition, automatic circuit breaker and other electrical components will be installed in support of the proposed electrical configuration. Construction also requires, storm water management, erosion and sediment control, as well as demolition and restoration of roadways, parking lots, landscaping, fences, and other site features impacted by this work. In addition, back-up generators, which will no longer be required, will be decommissioned and removed with their associated fuel storage tanks, delivery systems, and ancillary equipment. The back-up generation will be provided from a different source. Some existing ductbanks and manholes are planned to be abandoned in place; but existing feeders will be removed.

11. REQUIREMENT: 13.8 KV – 500-750 kcmil feeders – Ductbanks with 6” Conduits
   SUBSTANDARD: 13.8 KV – 350-500 kcmil feeders – Ductbanks with 3”, 4”, and 5” Conduits
   ADEQUATE: None

PROJECT: NSAW Campus Buildings Feeders – Central Campus (Phase II): Construction to replace all existing ductbanks and medium voltage power feeders. In addition, decommission back-up generators along with their associated fuel storage tanks and associated components.

REQUIREMENT: To improve the reliability of the prime and emergency electrical power infrastructure required to support current and future mission needs, the NSAW campus is upgrading its power infrastructure with two new Primary Substations (PSs) and new upgraded Secondary Unit Substations (SUSs) in all of the major NSAW buildings. The new ductbanks will provide larger diameter conduit to accommodate the required larger medium voltage power feeders. The larger feeders, and new ductbanks configuration, load interrupter switches, automatic circuit breaker, and other electrical components; will allow for a complete and flexible distribution while minimizing feeder splices and their associated vulnerabilities. The decommissioning of the back-up generators will include the decommission and removal of the above and underground fuel storage tanks, fuel pump, fuel pipe lines, and remediation of hazardous material (i.e., coolant, solvents, cleaners, asbestos containing material (ACM), lead-containing material (LCM), etc) as required.
**Component:** NSA/CSS DEFENSE  
**FY 2016 MILITARY CONSTRUCTION PROJECT DATA**

**Date:** February 2015

**Installation and Location:** Ft. George G. Meade, Maryland

**Project Title:** NSAW CAMPUS BUILDINGS FEEDERS PHASE 2

<table>
<thead>
<tr>
<th>Program Element</th>
<th>Category Code</th>
<th>Project Number</th>
<th>Project Cost ($000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.</td>
<td>6.</td>
<td>7.</td>
<td>8.</td>
</tr>
<tr>
<td>81242</td>
<td>31066</td>
<td></td>
<td>$33,745</td>
</tr>
</tbody>
</table>

**CURRENT SITUATION:** The existing underground electrical ductbanks and manholes are more than 30 years old, and the power feeders are undersized for current and projected power loads. The existing conduits will not be able to accommodate the new, larger cable size requirements.

**IMPACT IF NOT PROVIDED:** As the NSAW campus electrical loads increase to meet demand, the risks of unplanned outages resulting from excessive thermal loading poses a risk to the undersized, aging campus electrical distribution ductbank, conduits, and medium voltage power feeders. As power requirements continue to increase, any form of unplanned power outages will pose a serious threat to the NSAW mission. If this project is not provided, NSAW will be operating under progressively reduced levels of power reliability.

**12. SUPPLEMENTAL DATA:**

1. **Status**
   - Design Start: October 2013
   - Design 35% Complete: January 2014
   - Design 100% Complete: December 2014
   - Type of Contract: Design/Bid/Build

2. **Basis**
   - Standard of Definitive Design
   - Where design was most recently used: N/A

3. **Total Cost (c) = (a) + (b) or (d) + (e) ($000)**
   - Production of plans and specifications: $2,000
   - All other design costs: $0
   - Total design cost (c) = (a) + (b) or (d) + (e): $2,000
   - Contract: $2,000
   - In house: N/A

4. **Construction Contract Award:** March 2016
5. **Construction Start Date:** May 2016
6. **Construction Completion Date:** May 2018
7. **Total Project Cost:** $33,745

**Additional Information:**
- Phase I: NSAW Campus Buildings Feeder – North Campus (FY15 - $54,207)
- Phase II: NSAW Campus Buildings Feeder – Central Campus (FY16 - $33,745)
- Phase III: NSAW Campus Buildings Feeder – South Campus (FY17 - $18,410)
1. Component
NSA/CSS DEFENSE

2. Date
February 2015

3. Installation and Location
FT. George G. Meade, Maryland

4. Project Title
NSAW RECAPITALIZATION BUILDING #2, INCREMENT 1

5. Program Element
6. Category Code
14162

7. Project Number
30583

8. Project Cost ($000)
$782,332
Authorization FY16: $782,332
Appropriation FY16: $34,897

9. Cost Estimate

<table>
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<tr>
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<th>Unit Cost</th>
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<tr>
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<td>SF</td>
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<td>(444,466)</td>
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<td>Operations Building</td>
<td>SF</td>
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<td>83.19</td>
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<tr>
<td>Parking Garage</td>
<td>SF</td>
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<td>Mechanical Plant</td>
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<td>(1,000)</td>
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<tr>
<td>OMSI Costs</td>
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<td>Antiterrorism/Force Protection</td>
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<tr>
<td>SUPPORTING FACILITIES</td>
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<td>39,053</td>
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<td>Electrical Service and Generation</td>
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<td>(4,255)</td>
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<td>Information Systems Ductbank</td>
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<td>Antiterrorism/Force Protection</td>
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<td>Design-Build Design Cost @ 4%</td>
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<td>Contingency (5.0%)</td>
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<td>SUBTOTAL</td>
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<td>SIOH (5.7%)</td>
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<td>Design During Construction (1.5%)</td>
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<td>Total Project Request</td>
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<td>782,015</td>
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<td>TOTAL PROJECT COST</td>
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<td>782,332</td>
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<tr>
<td>Equipment from other appropriations</td>
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<td>210,000</td>
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10. DESCRIPTION OF PROPOSED CONSTRUCTION: Construct a new Operations Facility of approximately 898,382 GSF for approximately 3,000 personnel including supporting facilities with associated site work and environmental measures. The facility will be built on the National Security (NSA) East Campus at Fort George G. Meade, MD. The FY16 authorized amount represents the entire funding required to execute this MILCON project. The FY16 appropriation represents the first increment of a four part funding profile.

The general scope of work for the project consists of the following:

The primary facility will be comprised of a multi-story structure with full basement. The facility includes open office areas and operations floor, analyst/planner collaboration areas, cafeteria and other operations. The mission support areas provide joint staff offices, executive offices, machine rooms, storage, and meeting rooms.

Project consists of core and shell structure and foundations; elevator conveyance systems; electrical/mechanical service and distribution components and systems; fire protection, alarm and suppression; information technology infrastructure, communications, and security systems support infrastructure; exterior finishes and weatherproofing. Interior build out will provide raised access floor systems, acoustically-rated interior partitions and ceilings, power, lighting, environmental control and communications. The primary facility is not a standard design. The entire structure will be built to Sensitive Compartmented Information Facility (SCIF) standards. Project includes redundant primary power and Uninterruptable Power Supply (UPS) systems to ensure continuity of operations. This project requires comprehensive interior design.
<table>
<thead>
<tr>
<th>1. Component</th>
<th>FY 2016 MILITARY CONSTRUCTION PROJECT DATA</th>
<th>2. Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSA/CSS DEFENSE</td>
<td></td>
<td>February 2015</td>
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</table>

<table>
<thead>
<tr>
<th>3. Installation and Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>FT. George G. Meade, Maryland</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>4. Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSAW Recapitalization Building #2, INCREMENT 1</td>
</tr>
</tbody>
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<tbody>
<tr>
<td></td>
<td>14162</td>
<td>30583</td>
<td>$782,332</td>
</tr>
</tbody>
</table>

Authorization FY16: $782,332  
Appropriation FY16: $34,897

Site infrastructure will include primary electrical service to the site, water, sewer, and telecommunications pathways. The supporting facilities include, site preparation and infrastructure improvements, utility services, and perimeter security measures. Site preparation will include standard clearing, grubbing, cut, fill, grading and environmental protection structures. Additional site work consists of curb and gutter, walkways, patios and roads. Utility site construction will provide emergency backup power generation and cooling equipment. Perimeter security construction will extend existing perimeter fence line and surveillance capabilities.

Provide approximately 3,000 new parking spaces for staff and visitors by expanding an existing parking structure and an additional 500 spaces in a surface lot. The 500 space surface lot is required due to transplanting parking spaces required for ECB1, JOC and ECB-MC projects.

Since the project is located on an active East Campus development site, close coordination with multiple concurrent MILCON project activities will be necessary to allow continuous, uninterrupted use of the site during construction and to ensure contractor lay-down areas and access are maintained and boundaries secured.

This project will require road improvements on/inside the NSAW Campus in support of increased personnel on East Campus due to East Campus Building 2. Improvements shall follow standards, guidelines, regulations and best practices as identified by Maryland State Highway Administration (SHA), the Manual on Uniform Traffic Control Devices (MUTCD), and the American Association of State Highway and Transportation Officials (AASHTO).

This project will include storm water management facilities in compliance with Maryland Department of the Environment requirements for Environmental Site Design, as well as EISA Section 438.

This project will include sustainable features cost effectively integrated to meet, at minimum Leadership in Energy and Environmental Design (LEED) Green Building Council rating system Silver-certified level requirements.

This project will be designed in accordance with, but not limited to, Architecture Barriers Act (ABA) Requirements and Antiterrorism Force Protection (ATFP) Standards. Unified Facilities Criteria (UFC) will be an integral part of design consideration. This project is to be compliant with the current version of the MD Procurement Office (MPO) Facilities Engineering Design Standards (FEDS), and the latest version of the East Campus Installation Design Guidelines (IDG).
1. **Component**
   - NSA/CSS DEFENSE

2. **Date**
   - February 2015

3. **Installation and Location**
   - FT. George G. Meade, Maryland

4. **Project Title**
   - NSAW Recapitalization Building #2, INCREMENT 1

5. **Program Element**

6. **Category Code**
   - 14162

7. **Project Number**
   - 30583

8. **Project Cost ($000)**
   - Authorization FY16: $782,332
   - Appropriation FY16: $34,897

---

**11. REQUIREMENT:**

**New:** Approximately 898,382 GSF Operations Building (and associated mechanical plant) and 1,121,000 SF Parking Structure

**ADEQUATE:** None

**SUBSTANDARD:** None

**PROJECT:** Construct multi-story operations facility and structured parking facility (Current Mission).

**REQUIREMENT:**

This facility is necessary to provide an environment necessary to support mission operations and to further implement NSA's recapitalization plan. The NSA recapitalization plan calls for the phased replacement of aging facilities that have exceeded their service life and can no longer support the technology required for new missions. Additionally, this facility will provide the NSA with a flexible building that can provide the modern infrastructure necessary to support current and future technological requirements.

This facility will incorporate new technologies and processes that will generate beneficial synergies through integration and collaboration. Through an open work environment that incorporates scalable, reconfigurable work spaces, missions will be able to achieve both actual and virtual collaboration while maintaining their functional discipline. To meet these demands in a wholly independent manner and with required levels of capacity and reliability, critical infrastructure will be constructed to provide redundancy.

**CURRENT SITUATION:**

Currently, activities in support of both the DoD and the nation are conducted individually in an NSA-centric structure. Network operations are prevented from realizing the full potential of the collaborative, cohesive work environments required for this initiative. To meet the immediate need, existing facilities are being reconfigured and supplemented through leased space. However, these efforts are limited by the availability of facilities with suitable locations, adequate AT/FP profiles, and power and cooling infrastructure capable of supporting mission critical activities.

**IMPACT IF NOT PROVIDED:**

If this facility is not funded, NSA will continue to overburden existing facilities and infrastructure impeding the ability to effectively operate and meet its mission.

**ADDITIONAL:**

The project has been coordinated with the installation facilities master plan and physical security plan. It complies with all required physical security and/or anti-terrorism measures. All required and anticipated physical security and antiterrorism protection measures are included. An Environmental Assessment has been completed that leverages the completed Environmental Impact Study for the NSA campus. Alternative methods of meeting requirements have been explored during the development of this project. An economic analysis has been prepared for this project and utilized in evaluating this project and determined this project to be the only viable option to satisfy the requirement. Construction estimates include costs associated with construction on a controlled access site, clearances for personnel, labor inefficiencies associated with escort requirements, and other daily processes at NSA. Escorts are required for positive control of access to primary and secondary utilities, which service other critical NSA facilities. Stormwater management to mitigate environmental impact per EIS requirements are included. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802 (c), and other applicable laws and Executive Orders. Facility will be designed and certified to LEED-NC Silver under USGBC LEED v3 2009. This project is to be compliant with the current version of NSA’s, Facilities Engineering Design Standards (FEDS).
1. **Component**
   NSA/CSS DEFENSE

2. **Date**
   February 2015

3. **Installation and Location**
   FT. George G. Meade, Maryland

4. **Project Title**
   NSA/W Recapitalization Building #2, INCREMENT 1

5. **Program Element**

6. **Category Code**
   14162

7. **Project Number**
   30583

8. **Project Cost ($000)**
   $782,332
   - Authorization FY16: $782,332
   - Appropriation FY16: $34,897

12. **SUPPLEMENTAL DATA:**

1. **Status**
   A. Design start date: MAY 2014
   B. Percent complete as of 22 DEC 2014: 15%
   C. Type of design contract: Design/Build

2. **Basis**
   A. Standard or definitive design: No
   B. Where design was most recently used: N/A
   C. Percentage of design utilizing standard design: N/A

3. **Total Cost (C) = (a) + (b) or (d) + (e) ($000)**
   (a) Production of plans and specs: $31,450
      (i) Design Build RFP – P&D: $3,700
      (ii) Design Build Design – MILCON: $27,750
   (b) All other design cost: $0
   (c) Total design cost (C) = (a) + (b) OR (d) + (e): $31,450
   (d) Contract Architect-Engineer Design Cost, Estimated: $31,450
   (e) In-house Design Cost Plus Architect Engineer
      Contract Supervision and Administration Cost
      Government Forces Design Cost, Estimated: $0
   a. Construction Contract Award: July 2016
   b. Construction Start Date: Sept 2016
   c. Construction Completion Date: Sept 2020

**Additional Information:**
- FY16 Increment 1: $34,897
- FY17 Increment 2: $194,748
- FY18 Increment 3: $314,150
- FY19 Increment 4: $238,537

DD Form 1391, DEC 76