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| 1. Component<br>NAVY | <b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b> | 2. Date<br>13 JAN 2004 |
|----------------------|--|------------------------|

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| 3. Installation and Location/UIC: N63402<br>STRATEGIC WEAPONS FACILITY PACIFIC<br>SILVERDALE, WASHINGTON | 4. Project Title<br>LIMITED AREA PRODUCTION & STORAGE COMPLEX<br>(LAPSC) |
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|                                |                           |                           |                                   |
|--------------------------------|---------------------------|---------------------------|-----------------------------------|
| 5. Program Element<br>0212476N | 6. Category Code<br>21650 | 7. Project Number<br>P973 | 8. Project Cost (\$000)<br>35,770 |
|--------------------------------|---------------------------|---------------------------|-----------------------------------|

**9. COST ESTIMATES**

| Item  | UM | Quantity | Unit Cost | Cost(\$000) |
|---|----|----------|-----------|-------------|
| LIMITED AREA PRODUCTION & STORAGE COMPLEX<br>(LAPSC) (172,223 SF) | m2 | 16,000   |           | 97640       |
| PRODUCTION/STORAGE COMPLEX (172,223 SF)                           | m2 | 16,000   | 4,265.00  | (68240)     |
| BUILT-IN EQUIPMENT  | LS |          |           | (1470)      |
| TECHNICAL OPERATING MANUALS                                       | LS |          |           | (1180)      |
| INFORMATION SYSTEMS   | LS |          |           | (1770)      |
| ANTI-TERRORISM/FORCE PROTECTION                                   | LS |          |           | (340)       |
| SPECIAL COSTS   | LS |          |           | (24640)     |
| SUPPORTING FACILITIES   |    |          |           | 20140       |
| SPECIAL CONSTRUCTION FEATURES                                     | LS |          |           | (560)       |
| ELECTRICAL UTILITIES  | LS |          |           | (2160)      |
| MECHANICAL UTILITIES  | LS |          |           | (40)        |
| PAVING AND SITE IMPROVEMENTS                                      | LS |          |           | (14730)     |
| DEMOLITION  | LS |          |           | (1350)      |
| ANTI-TERRORISM/FORCE PROTECTION                                   | LS |          |           | (1300)      |
| SUBTOTAL  |    |          |           | 117780      |
| CONTINGENCY (5%)  |    |          |           | 5890        |
| TOTAL CONTRACT COST   |    |          |           | 123670      |
| SIOH (6%)   |    |          |           | 7420        |
| SUBTOTAL  |    |          |           | 131090      |
| LESS INCREMENT II AND III FUNDING                                 | LS |          |           | -95320      |
| TOTAL REQUEST ROUNDED   |    |          |           | 35770       |
| TOTAL REQUEST   |    |          |           | 35770       |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)                     |    |          |           | (11939)     |

**10. Description of Proposed Construction**

Construct a reinforced concrete, underground, multi-level re-entry body processing and storage facility. This facility includes a reinforced concrete foundation, hardened floors, and hardened load-bearing walls and roof. Fire protection and alarm systems and a security intrusion detection and alarm system are provided. Environmental control is required for all spaces and a temporary hazardous waste storage area and a hazardous waste collection tank will be provided. The existing Limited Area (LA) perimeter security zone and patrol roads will be expanded to encompass the new LAPSC. Portions of the existing LA perimeter will be demolished to provide new access roads. New security guard towers will be constructed. Work will be conducted in the very high security Strategic Weapons Facility Pacific (SWFPAC) Limited Area. Anti-Terrorism/Force Protection features are included.

Built-in equipment includes adjustable dock levelers, seven 2-ton bridge cranes and three elevators. Information systems include telephone and communications systems, Secret

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| <p>Internet Protocol Router Network, and telecommunication connections at workstations. Special costs include seismic construction, structural excavation, special foundations and blast features, earth cover, lightweight concrete weapons isolation component separation wall storage areas and a thick slab-on-grade above the underground structure.</p> <p>Supporting facilities include special foundations, underground electrical and mechanical systems, emergency generator in a hardened shelter, lightning protection and communications. Special construction features include the requirement to pass through security screening prior to entrance and exit, the requirement to furnish escorts, the loss of time due to security and operational drills, the need to construct temporary enclave fencing, the requirement to keep the existing Limited Area in operation during construction, and sustainable development features. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.</p> <p>Demolition includes 2,630 m2 of existing inadequate re-entry buildings (buildings 6007 and 6595) and 5,450 m2 of existing inadequate re-entry body magazines (buildings 6200 through 6220 inclusive, 21 magazines total).</p> |                                       |                           |  |                        |
| <p><b>11. Requirement:</b>      <u>16000m2</u>                      <b>Adequate:</b>                      <u>0m2</u>                      <b>Substandard:</b>                      <u>0m2</u></p> <p><b>PROJECT:</b><br/>This project provides a Limited Area Production and Storage Complex (LAPSC).<br/><b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b><br/>The Limited Area Production and Storage Complex is required for the receipt/shipment, inspection, assembly, checkout, and maintenance and storage of TRIDENT II tactical and instrumented re-entry bodies. The construction of this facility is proposed for FY2005 in support of TRIDENT II missile production.</p> <p><b>CURRENT SITUATION:</b><br/>A TRIDENT II re-entry body receipt, shipping, processing, and storage capability does not currently exist to meet projected deliveries and processing requirements.</p> <p><b>IMPACT IF NOT PROVIDED:</b><br/>Strategic Weapons Facility Pacific will be incapable of providing adequate re-entry body receipt, shipping, processing, and storage in support of the Strategic Weapons Facility production operations. A single underground protected structure provides the most robust protection for fulfilling this mission against all threats.</p>  |                                       |                           |  |                        |
| <b>12. Supplemental Data:</b>  |                                       |                           |  |                        |

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A. Estimated Design Data:

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| 1. Status:                                     |                  |
| (A) Date Design Start                          | 082002           |
| (B) Date Design 35% Complete                   | 012004           |
| (C) Date Design Completed                      | 092004           |
| (D) Percent Completed as of SEPTEMBER 2003     | 2%               |
| (E) Percent Completed as of JANUARY 2004       | 35%              |
| (F) Type of Design Contract                    | Design Bid Build |
| (G) Parametric Estimate used to develop cost   | Yes              |
| (H) Energy study/Life cycle analysis performed | Yes              |
| 2. Basis:                                      |                  |
| (A) Standard or Definitive Design:             | No               |
| (B) Where Design Was Most Recently Used:       | N/A              |
| 3. Total Cost (C) = (A) + (B) = (D) + (E) :    | \$9,423          |
| (A) Production of Plans and Specifications     | \$7,067          |
| (B) All other Design Costs                     | \$2,356          |
| (C) Total                                      | \$9,423          |
| (D) Contract                                   | \$5,889          |
| (E) In-House                                   | \$3,534          |
| 4. Contract Award                              | 112004           |
| 5. Construction Start                          | 122004           |
| 6. Construction Complete                       | 082007           |

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

| <u>Equipment</u>                                      | <u>Procuring</u>     | <u>Fiscal Year</u>                         | <u>Cost</u>    |
|---|----------------------|--|----------------|
| <u>Nomenclature</u>                                   | <u>Appropriation</u> | <u>Appropriated</u><br><u>Or Requested</u> | <u>(\$000)</u> |
| MAINTENANCE WORKSTATIONS                              | WPN                  | 2005                                       | 2,884          |
| SECURITY SYSTEMS, SENSORS, TOOLS, TESTING<br>EQUIP    | OMN                  | 2006                                       | 5,056          |
| SECURITY SYSTEMS, WEAPONS, INTRUSION<br>DETECTION SYS | OPN                  | 2007                                       | 4,000          |

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 scope of the project is based on Navy requirements.

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| <p>Activity POC: Theo Craigg <span style="float: right;">Phone No: 360 396-8646</span></p>               |  |  |                                   |