1.1 DEFINITIONS
No changes

1.2 ORDER OF PRECEDENCE
No changes

1.3 GENERAL REQUIREMENTS
Contractor required management personnel.

The Superintendent may also serve as the Site Safety Health Officer and Quality Control Manager.

1.4 SUBMITTALS

Replace paragraph SD-03 Product Data with:
SD-03 Product Data
a. Wire rope and hardware

Replace paragraph SD-11 Closeout Submittals with:
SD-11 Closeout Submittals
a. Red Line drawings (1 copy)

1.5 POST AWARD KICKOFF MEETING (PAK)
Replace sentence: “Prior to commencement of work, and within 21 calendar days of award, meet with representatives of the Contracting Officer, installation and client to present the concept of construction.” with: “Prior to commencement of work, meet with representatives of the Contracting Officer, installation and client to present the concept of construction.”

1.6 NAVFAC RED ZONE (NRZ)
No changes.

1.7 FIRE PROTECTION AND LIFE SAFETY REQUIREMENTS
Delete paragraph

1.8 QUALITY CONTROL
No changes.

1.9 SUBMITTAL PROCESS
Replace “i. Record Drawings, due at Beneficial Occupancy” with: “i. Red line drawings, due at Beneficial Occupancy”

Delete paragraph k

1.10 SUPERVISION
No changes.

1.11 SCHEDULE
Replace sentence: “Provide a CPM Cost-loaded schedule for Construction adequate for Contractor to efficiently manage project and for Government to efficiently manage QA and scheduling interfaces.”

With: "Provide a schedule for Construction adequate for Contractor to efficiently manage project and for Government to efficiently manage QA and scheduling interfaces."

1.12 PRECONSTRUCTION CONFERENCE
Add sentence to paragraph: The preconstruction conference may be combined with the PAK.

1.13 CONTRACTOR'S PRODUCTION REPORTS
No changes

1.14 SCHEDULE OF PRICES
No changes

1.15 CONTRACTOR INVOICES
No changes.

1.16 PROTECTION OF GOVERNMENT PROPERTY
No changes.

1.17 EXISTING UNDERGROUND UTILITIES
No changes.

1.18 CONTRACTOR WORK SITE
No changes.

1.19 TEMPORARY UTILITIES
No changes.

1.20 ENVIRONMENTAL CONTROLS AND PROTECTION
No changes.

1.21 WASTE MANAGEMENT
No changes.

1.22 RECORD DRAWINGS AND OPERATION & (O&M) DATA
Replace first paragraph with:

"Furnish hard copies of red line drawings and O&M information. Red line drawings shall incorporate all changes. Provide O&M data for as-built products, materials, and equipment, including data sheets, test reports, warranties, certificates, list of spare parts suppliers for all pieces of equipment, and approved construction submittals."

1.23 WARRANTY
No changes.

1.24 PERFORMANCE EVALUATIONS
No changes.

1.25 WORK HOURS, ACCESS AND PASSES
No changes.

1.26 SECURITY REQUIREMENTS
No changes.

1.27 PROPRIETARY RIGHTS
No changes.

1.28 GOVERNMENT FURNISHED MATERIAL AND EQUIPMENT
Delete paragraph.

1.29 ORAL MODIFICATION
No changes.

1.30 NO WAIVER BY THE GOVERNMENT
No changes.

1.31 EQUITABLE ADJUSTMENTS – WAIVER AND RELEASE OF CLAIMS
No changes.

1.32 UTILITY OUTAGES
No changes.

1.33 SAFETY AND OCCUPATIONAL HEALTH REQUIREMENTS

Add to "a. references":
(A) NAS WHIDBEY ISLAND INSTRUCTION 11450.2D Cranes Owned and Operated by Private Contractors
(B) NAVFAC P-307 (Current Edition)

Replace paragraph: "l. Weight Handling Equipment:" with:

l. NAVFAC P-307 Contractor Operated Cranes (and Multi-Purpose Machines, Material Handling Equipment (Forklifts), and Construction Equipment When Used as Cranes to Lift Suspended Loads) and Rigging Equipment in Weight Handling Operations.

Rigging equipment may be used with these machines or by itself in weight handling operations. These cranes and equipment can be from a variety of sources and are generally incidental to construction, demolition contracts, maintenance and other service contracts, deliveries of supplies and equipment, etc. The following requirements apply to any contracted work utilizing cranes (and multi-purpose machines, material handling equipment, construction equipment used to lift loads suspended by rigging gear) and to all rigging equipment used in weight handling operations at a naval activity. **Note: These requirements do not apply to cranes that enter the activity, but are not used for lifting, or other machines not used to lift loads suspended by rigging equipment.**

In addition to NAVFAC P-307 the Contractor shall comply with NAS WHIDBEY ISLAND INSTRUCTION 11450.2D, (*Cranes Owned and Operated by Private Contractors)* pertaining to crane safety and operation (including allowable access routes and ground loading limitations)

1) Notify the contracting officer, in advance, of any cranes entering the activity or of any multi-purpose machines, material handling equipment, or construction equipment that may be used in a crane-like application to lift suspended loads. Contractor shall comply with applicable ANSI or ASME standards (e.g., ASME B30.5 for mobile cranes, ASME B30.22 for articulating boom cranes, ASME B30.3 for construction tower cranes, and ASME B30.8 for floating cranes, ASME B30.9 for slings, ASME B30.20 for below the hook lifting devices, and ASME B30.26 for rigging hardware, ANSI/ITSDF B56.6 for rough terrain forklifts). For barge-mounted mobile cranes provide a third party certification from an OSHA accredited organization, a load indicating device, a wind indicating device, and a marine type list and trim indicator readable in one-half degree increments

2.

1) Submit a certificate of compliance (appendix P, figure P-1) that the crane (or other machine if used to lift suspended loads) and the rigging equipment meet applicable OSHA and ANSI/ASME regulations (with the contractor citing which OSHA and ANSI/ASME regulations are applicable, e.g., cranes/multi-purpose machines used in cargo transfer shall comply with 29 CFR 1917; cranes/multi-purpose machines used in construction, demolition, or maintenance shall comply with 29 CFR 1926; cranes/multi-purpose machines used in shipbuilding, ship repair, or shipbreaking shall comply with 29 CFR 1915; slings shall comply with ASME B30.9, rigging hardware shall comply with ASME B30.26). The contractor shall also certify that all of its crane (or other machine) operators working on the naval activity have been trained not to bypass safety devices (e.g., anti-two block devices) during lifting operations. Certification shall be posted on the crane.

2) For mobile and commercial truck mounted cranes with OEM rated capacities of greater than 2000 pounds, the crane operator shall be designated as qualified by a source that qualifies crane operators (i.e., a union, a government agency, or an organization that tests and qualifies crane operators). Proof of current qualification shall be provided.

3) The contractor shall certify (appendix P, figure P-1) that the operator is qualified and trained for the operation of the crane or machine to be used.

4) For multi-purpose machines, material handling equipment, and construction equipment used to lift loads suspended by rigging equipment, require proof or authorization from the machine OEM that the machine is capable of making lifts of loads suspended by rigging equipment. Require the contractor to demonstrate that the equipment is properly configured to make such lifts and is equipped with a load chart.

5) All hooks used on cranes, hoists, other machines, and rigging gear shall have self-closing latches or the throat opening shall be "moused" (secured with wire, rope, heavy tape, etc.) or otherwise secured to prevent the attached item from coming free of the hook under a slack condition. The following exceptions apply and shall be approved by the contractor’s technical organization: items where the hook throat is fully obstructed and not available for manual securing and lifts where securing the hook throat increases the danger to personnel such as forge shop, dip tank, or underwater work.

6) Submit a critical lift plan for each of the following lifts: lifts over 75 percent of the capacity of the crane, hoist, or other machine (lifts over 50 percent of the capacity of a barge mounted mobile crane's hoists) at any radius of lift; lifts involving more than one crane, hoist, or other machine; lifts of personnel (lifts of personnel suspended by rigging equipment from multi-purpose machines, material handling equipment, or construction equipment shall not be permitted); lifts made in the vicinity of overhead power lines; erection of cranes; and lifts involving non-routine rigging or operation, sensitive equipment, or unusual safety risks. The plan shall include the following as applicable:

(1) The size and weight of the load to be lifted, including crane (or other machine) and rigging equipment that add to the weight. The OEM's maximum load capacities for the entire range of the lift shall also be provided.

(2) The lift geometry, including the crane (or other machine) position, boom length and angle, height of lift, and radius for the entire range of the lift. Applies to both single and multiple crane/machine lifts.

(3) A rigging plan, showing the lift points, rigging equipment, and rigging procedures.

(4) The environmental conditions under which lift operations are to be stopped.

(5) For lifts of personnel, the plan shall demonstrate compliance with the requirements of 29 CFR 1926.550(g).

(6) For barge mounted mobile cranes, barge stability calculations identifying crane placement/footprint; barge list and trim based on anticipated loading; and load charts based on calculated list and trim specific to the barge the crane is mounted on. The amount of list and trim shall be within the crane manufacturer's requirements.

(7) For lifts in the vicinity of overhead power lines (i.e., if any part of the crane or other machine, including the fully extended boom of a telescoping boom crane or machine, or the load could approach the distances noted in figure 10-3 during a proposed operation), the plan shall demonstrate compliance to 29 CFR 1926.550(a)(15)

h. The contractor shall notify the contracting officer as soon as practical, but not later than four hours, after any WHE accident (including rigging gear accidents). (See definition in Section 12 of P-307.) Require the contractor to secure the accident site and protect evidence until released by the contracting officer. Require the contractor to conduct an accident investigation to establish the root cause(s) of any WHE accident. Crane operations shall not proceed until cause is determined and corrective actions have been implemented to the satisfaction of the contracting officer.

i. Require the contractor to provide the contracting officer within 30 days of any accident a Crane and Rigging Gear Accident Report using the form provided in Section 12 of the P-307 or provided by the Contracting Officer, consisting of a summary of circumstances, an explanation of causes(s), photographs (if available), and corrective actions taken. These notifications and reporting requirements are in addition to those promulgated by OPNAVINST 5100.23 and related command instructions.

1) Crane Critical Lift Plan: Prepare and sign weight handling critical lift plans for lifts over 75 percent of the capacity of the crane or hoist (or lifts over 50 percent of the capacity of a barge mounted mobile crane's hoists) at any radius of lift; lifts involving more than one crane or hoist; lifts of personnel; and lifts involving non-routine rigging or operation, sensitive equipment, or unusual safety risks. Submit the plan 15 calendar days prior to on-site work and include the requirements of USACE EM 385-1-1, paragraph 16.C.18. as well as the following:

    a) For lifts of personnel, demonstrate compliance with the requirements of 29 CFR 1926.550(g).
    b) For barge mounted mobile cranes, barge stability calculations identifying barge list and trim based on anticipated loading; and load charts based on calculated list and trim. The amount of list and trim shall be within the crane manufacturer's requirements.

2) Provide a Certificate of Compliance for each crane entering an activity under this contract (see Contracting Officer for a blank certificate). Certificate shall state that the crane and rigging gear meet applicable OSHA regulations (with the Contractor citing which OSHA regulations are applicable, e.g., cranes used in construction, demolition, or maintenance shall comply with 29 CFR 1926 and USACE EM 385-1-1 section 16 and Appendix H. The Certificate of Compliance shall state that the crane operator(s) is qualified and trained in the operation of the crane to be used. Also certify that all of its crane operators working on the DOD activity have been trained in the proper use of all safety devices (e.g., anti-two block devices). Post these certifications on the crane.

3) Notify the Contracting Officer 15 days in advance of any cranes entering the activity so that necessary quality assurance spot checks can be coordinated. Contractor's operator shall remain with the crane during the spot check.

4) Comply with the crane manufacturer's specifications and limitations for erection and operation of cranes and hoists used in support of the work. Perform erection under the supervision of a designated person (as defined in ASME B30.5). Perform all testing in accordance with the manufacturer's recommended procedures.

5) Comply with ASME B30.5 for mobile and locomotive cranes, ASME B30.22 for articulating boom cranes, ASME B30.3 for construction tower cranes, and ASME B30.8 for floating cranes and floating derricks.

6) Under no circumstance make a lift at or above 90% of the crane’s rated capacity in any configuration.

7) When operating in the vicinity of overhead transmission lines, operators and riggers shall be alert to this special hazard and shall follow the requirements of USACE EM 385-1-1 section 11 and ASME B30.5 or ASME B30.22 as applicable.

8) Use cribbing when performing lifts on outriggers.

9) Position the crane hook/block directly over the load. Side loading of the crane is prohibited.

10) Certification records which include the date of inspection, signature of the person performing the inspection, and the serial number or other identifier of the crane that was inspected shall be available for review by Contracting Officer personnel.

11) Written reports listing the load test procedures used along with any repairs or alterations performed on the crane shall be available for review by Contracting Officer personnel.

12) Certify that all crane operators have been trained in proper use of all safety devices (e.g. anti-two block devices).

13) Take steps to ensure that wind speed does not contribute to loss of control of the load during lifting operations. Prior to conducting lifting operations, set a maximum wind speed at which a crane can be safely operated based on the equipment being used, the load being lifted, experience of operators and riggers, and hazards on the work site. Include this maximum wind speed determination in the activity hazard analysis plan for that operation.

1.34 CLOSEOUT PROCEDURES

Replace sentence: “a. Submit the completed Submittal Register together with the as-builts.” with: “a. Submit the red line drawings.”

Scope of Work Document		
Work Location	**Project Manager Contact**	**Project Manager Phone/Email Address**
NASWI, Ault Field		
Work Description: See attached plans and specifications.		

Scope of Work

1. Add/move concrete blocks and wire as shown on attached drawing and table.
2. The contractor will walk the project site with NAVFAC and Security to develop a common understanding of locations. The contractor will mark locations discussed. The contractor will bring a 20' section of rope for estimating distance.
3. As shown on attached table, an additional 20 blocks and 205.5 feet of wire with hardware will be installed by the contractor at various places. These blocks are not shown on the map. The exact location will be shown in the field.
4. Contractor to clear brush only as necessary to place blocks. No trees larger than 4" in diameter may be cut.
5. Concrete blocks
    a. Blocks to be 2' x 2' x 6' with lifting point.
    b. Minimum compressive strength 2,000 psi
    c. Place blocks 4.5' apart
6. Wire
    a. ½" galvanized, minimum 21,000 lbs break strength
    b. Loop back wire 3' at ends. Install two swage sleeves.
    c. Wire cable to go through lifting point on each block. Install galvanized wire rope clips every other block.
7. Markings
    a. On every block stencil in 2" painted black capital letters:
        i. 1st line: GOVERNMENT PROPERTY
        ii. 2nd line: NO TRESPASSING
    b. Every 100' or less or at least once per section on a white background paint in 2" and 1", red and black letters wording as shown in picture "WARNING…"

Scope of Work

Block Section	Scope	Number of Blocks	Cable Length	Number of Existing Blocks	Location
1	New blocks and cable	6	58.5		20' from edge of asphalt
2	New blocks and cable	5	48		20' from edge of asphalt
3	New blocks and cable	86	898.5	43	20' from edge of asphalt
4	New blocks and cable	10	100.5		20' from edge of asphalt
5	New blocks and cable	2	16.5		20' from edge of asphalt
6	New blocks and cable	5	48		20' from edge of asphalt
7	New blocks and cable	143	1497	72	20' from edge of asphalt
8	New blocks and cable	13	132		Approximately as shown
9	New blocks and cable	55	573		20' from edge of asphalt
10	Move blocks	4	37.5	4	20' from edge of asphalt
11	New blocks and cable	60	625.5		20' from edge of asphalt
12	New blocks and cable	56	583.5		30' from edge of asphalt
13	New blocks and cable	109	1140	2	Approximately as shown
14	New blocks and cable	121	1266		30' from edge of asphalt
15	New blocks and cable	168	1759.5		40' from edge of asphalt
16	Move blocks	4	37.5	4	40' from edge of asphalt
17	Move blocks	3	27	3	40' from edge of asphalt
18	New blocks and cable	31	321		40' from edge of asphalt
19	New blocks and cable	106	1108.5	7	40' from edge of asphalt
20	New blocks and cable	15	153		Approximately as shown
21	New blocks and cable (additional not on map)	20	205.5		