

August 4, 2010

ATTENTION: All Bidders and Planholders

**Lightship No. 83 Rehabilitation Project
A TEA-21 Funded Project**

Addendum No. 3

The Plans & Project Specifications are amended as follows:

1. On page 28, lines 13 and 14 are revised as follows:

Proposals will be opened and publicly read at 5:00 PM **August 27** in the office of Northwest Seaport, unless the Bid opening has been delayed or canceled.

2. On page 8, lines 2 through 7 are revised as follows:

Northwest Seaport provides these plans specifications and estimates for vendors to prepare their proposals. **However**, NWS recommends that vendors visit the Lightship No. 83 to gather any additional information needed to provide a complete and accurate proposal. The Lightship No. 83 will be open *by appointment* for vendors to gather information to prepare their proposals between July 26 and July 30, and between August 9 and August 13. Please contact Project Manager Adrian Lipp in advance to arrange for NWS personnel to meet vendor representatives at (206) 898-7012 or adrian@oldtacomamarine.com. Vendors must supply proof of appropriate Labor & Industries and/or United States Longshoremen & Harborworkers coverage for estimators and others viewing the vessel.

3. On page 12, line 15 is omitted.
4. On page 12, line 24 is omitted.
5. On page 11 and page 12, lines 34 through 46 and lines 1 through 44 are revised as follows:

Element 4: Inspection, Service, & Repairs to Electrical Systems

Overview

Element 4 of the Phase I Construction period is to rehabilitate and/or restore portions of the *Lightship No. 83's* extensive electrical system to functionality. The element will focus especially on restoring shipboard lighting to all feasible compartments, as well as the rehabilitation or installation of electrical outlets as needed. The element also includes restoring power to the navigation beacon, located on the aft mast. Finally, the element includes updating the fire detection system and installing a master alarm panel. Further information is provided in each subsection.

4.1 Main & Sub Electrical Panels

Northwest Seaport requires the following actions to be taken during this element:

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- Ensure main panel has breakers for five sub-panels: 3 lighting panels, 1 outlet panel, 1 air compressor panel; replace or install cable between main and sub panels with armored 3-conductor cable
- Install new shore-power panel and connections; must be capable of accepting 50-amp 240-volt, single-phase electricity
- Replace 3 existing lighting circuit fuse boxes (1 aft of engine fidley, 1 forward of engine fidley, and 1 in wheelhouses) with modern electrical breaker panels
- Add 1 modern electrical breaker panel for outlet circuit, adjacent to main panel in aft tool room
- Add 1 modern electrical breaker panel for 240-volt air compressor circuit

4.2 Lighting Circuits

Northwest Seaport requires the following actions to be taken during this element:

- Install new armored 3-conductor cable from lighting breaker panels to light fixtures and switches on Main Deck and Top Deck spaces, as shown by Diagram 7
- Evaluate and provide recommendations and pricing to recondition, replace, or install light fixtures and switches on Main Deck and Top Deck spaces, as per specifications below

Specifications

- 8 missing lights to be reinstalled:
 - 2 exterior amber deck lights, aft of Captain's cabin
 - 2 interior lights in forward wheelhouse
 - 1 interior lights in officers' quarters above settee
 - 3 interior lights in radio room
- 3 missing up-and-down light switches to be reinstalled
- 55 interior extant lights, located in staterooms, galley, companionways, winch room, officers' quarters
- 16 extant up-and-down light switches
- 10 extant twist light switches
- 5 extant sink lights
- 18 bunk lights

4.3 Outlet Circuit

Northwest Seaport requires the following actions to be taken during this element:

- Install new armored 3-conductor cable from outlet breaker panel to outlets in all spaces identified in Diagram 7
- Evaluate and provide recommendations and pricing for reconditioning or replacing electrical outlets as needed to assure placement described in Diagram 7
- Ensure that any outlets on the Main Deck may be detached from the overhead during Phase II Construction activities, to accommodate the Deck Replacement

Specifications

- Rehabilitate or install electrical outlets to ensure total of 25 units, according to placement in Diagram 7
- Outlets in galley and pantry (4 total, as specified in Diagram 7), are to be ground fault indicating outlets

4.4 Air Compressor Circuit

Northwest Seaport requires the following actions to be taken during this element:

- Install new armored 3-conductor cable from air compressor breaker panel to site of modern air compressor in port-side companionway
- Specifications*
- Northwest Seaport will provide modern 240-volt air compressor to be installed in port-side companionway

4.5 Navigation Beacon

Northwest Seaport requires the following actions to be taken during this element:

- Evaluate and provide recommendations for reconditioning or replacing electrical connections and components to restore functionality to navigation beacon on the aft mast

4.6 Fire & Flood Detection

Northwest Seaport requires the following actions to be taken during this element:

- Install heat and smoke detectors and manual pull alarms as per Diagram 6.
- Install audible and visual alarms in three locations: the Engine Room, the Main Deck level and on top of the Captain's Cabin
- Install central alarm panel in Captain's Cabin, which triggers audible and visual alarms
- Install battery, battery charger, breaker box, and wiring to bilge pumps
- Install float switches in main bilge compartments and wire to central alarm panel

Specifications

- Install 10 heat detectors according to diagram
- Install 14 smoke detectors according to diagram
- Install or rehabilitate central alarm panel
- Install or rehabilitate 4 manual pull stations
- Install 8 horns/strobes
- Rehabilitate original alarm bell

Note: The original main alarm panel is located in the Captain's Cabin. Initial inspection showed that a modern alarm panel may be able to be installed within this original panel, preserving the authentic look of the system. This is the preferred method, but may prove unfeasible.

Plans & Diagrams

See Diagram 5: Rooms and Spaces.

See Diagram 6: Recommended placement of fire detection devices in the *Lightship No. 83*

See Diagram 7: Placement of electrical outlets

6. On page 10, lines 19 through 28 are revised as follows:

OVERHEAD

7. On page 13, lines 12 through 17 are revised as follows:

- Evaluate and provide recommendations and pricing for reconditioning or replacing specified fixtures and facilities using in-kind replacement wherever possible AND appropriate to meet modern regulations and insure functionality

- Install new modern water pump on shelf next to port pressure tank
- Inspect, clean, and re-commission potable water tank, OR install new potable water tank in discreet location so as not to interfere with historic character of vessel

8. On page 13, lines 29 through 34 are revised as follows:

- Evaluate and provide recommendations and pricing for reconditioning or replacing specified fixtures and facilities using in-kind replacement wherever possible AND appropriate to meet modern regulations and insure functionality
- Commission existing tank to blackwater usage OR install new tank if no suitable tank exists
- Install pump-out plumbing and connection

Specifications:

- Three marine heads identified for rehabilitation or replacement: one in Captain's Cabin; one in forward Crew's Head, one in aft Officer's Head; and associated plumbing
- Blackwater tank should hold at least 200 gallons
Pumpout connection should be located at least three feet above the waterline and above the blackwater tank, should draw from the bottom of the blackwater tank, and utilize a weatherproof flush deck fitting

9. On page 13, lines 42 through 45 are revised as follows:

- Evaluate and provide recommendations and pricing for reconditioning or replacing specified fixtures and facilities using in-kind replacement wherever possible AND appropriate to meet modern regulations and insure functionality
- Install on-deck connection for shore-side water pressure
- Replace extant fire hoses and nozzles

10. On page 14, lines 16 through 21 are revised as follows:

- Evaluate and provide recommendations and pricing for reconditioning air receiver and plumbing in portion of system from air receiver to aft workshop space
- Blank off all parts of compressed air system EXCEPT that to aft workshop space at receiver
- Install 240 volt electric air compressor supplied by Northwest Seaport and connect to onboard system
- Install air regulator and air hose connector in aft workshop space (accessible to workbench)

11. On page 10, lines 16 through 25 are revised as follows:

Northwest Seaport requires the following actions to be taken during this element:

- Evaluate and compile recommendations and pricing to ensure safety, stability, and historic appearance (such as paint) of the following elements of the overhead rig:
 - Shrouds and components (cables, turnbuckles, etc)
 - Radio staffs and antennae
 - Main smokestack
 - Masts
 - Galley stack

- Replace ratlines with in-kind material
- Re-attach guy wires from smoke stack to steel components to stabilize stack until Phase II Construction activities

12. On page 8, line 9 is revised as follows:

Vendors should be prepared to supply a catalog cut sheet of all hardware to be installed during the project, prior to purchase.

Bidders shall furnish Northwest Seaport with evidence of receipt of this addendum.
This addendum will be incorporated in the contract when awarded and when formally executed.

Adrian Lipp
Project Manager

Attachments: *None*

NOTE: COMPANY NAME MUST BE FILLED IN TO CERTIFY ACKNOWLEDGEMENT OF THIS ADDENDUM.

ADDENDUM #: _____

RECEIVED BY: _____ DATE: _____

(Please print name)

SIGNATURE: _____

COMPANY: _____

ALL PROPOSAL HOLDERS PLEASE SIGN AND RETURN THIS PAGE BY RETURN FAX AT 206 447-0598.

NOTE!! SUBCONTRACTORS, MATERIALS SUPPLIERS AND PLANCENTERS NEED NOT ACKNOWLEDGE THIS ADDENDUM.

ALL PRIME CONTRACTORS MUST ACKNOWLEDGE THIS ADDENDUM.

LIGHTSHIP NO. 83 REHABILITATION PROJECT