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Date: February 20, 2025
To: All Recipients of the Invitation for Bid
Subject: IFB for “FY25 Bismore Park Marina Bulkhead Rehabilitation” dated January 29, 2025.
BIDS Due: February 26, 2025, no later than 12:00 pm in the Procurement Portal:
<https://townofbarnstable.bonfirehub.com> in the FY25 Bismore Park Marina Bulkhead Rehabilitation project folder

ADDENDUM #3

This addendum #3 is being issued to answer questions received.

1. Question: The drawings state EPOXY TOUCH-UP WITH BAR RUST 235(TOP OF BULKHEAD TO 2' ABOVE MLW) CARBOLINE A788 TO BE APPLIED (2' ABOVE TO 6" BELOW MLW) Document 07 - FOTH SECTION 17 Bismore Park Marina Bulkhead Rehabilitation Tech Specs.pdf Section 01100 Part 1.03 D. and E. Part 1.04 E. and F. Call out that the Bar Rust from bottom of the concrete cap to 6" above MLW Carboline A788 from 6" above MLW to 2' below MLW Please clarify what elevations the products should be applied.

Answer: Use the plan notes for recoating application; EPOXY TOUCH-UP WITH BAR RUST 235 (TOP OF BULKHEAD TO 2' ABOVE MLW) CARBOLINE A788 TO BE APPLIED (2' ABOVE TO 6" BELOW MLW).

2. Question: The MIL-A-24779 spec was created for Hull anodes which weigh considerably less than the anodes required on this project. The MIL-A-24779 specification requires that the anodes have no cracks. For anodes this size (100+ Lbs) it is not uncommon to see small cracks, for which the industry standard NACE SP0387 Specification was designed and which addresses cracks with limits and tolerances. Will NACE SP0387 specifications be acceptable for manufacturing of aluminum anodes?

Answer: Yes, NACE SP0387 is sufficient.

3. Question: Are the Minority & Women Business Enterprise (MWBE) Letters of Intent required with the bid submission or as stated in the specifications: Within five days

after the Bid Opening, the Bidder shall submit a "Schedule for Participation by Minority Business Enterprises" with accompanying Letters of Intent.

Answer: The MWBE Contractor's Certification Form is due with the bid submission. The "Schedule of Participation by Minority Business Enterprises" with accompanying Letters of Intent is due within five days of bid opening.

4. Question: In the Sheetpile Bulkhead Repair Table on page two of the drawings, repair order 5 Description 2 states; "AS DIRECTED USING BAR RUST 235 OR SIMILAR FOR COATING BY DIVERS ALONG THE ENTIRE LENGTH OF THE BULKHEAD." Description 3 states that; "SPLASH ZONE STEEL RECOATING TREATMENT SHALL BE APPLIED BETWEEN 2' ABOVE MLW ($\pm 0'$ NAVD88) AND 6" BELOW MLW ($\pm 2.5'$ NAVD88) AS DIRECTED USING CARBOLINE A788 HIGH BUILD EPOXY OR SIMILAR FOR COATING BY DIVERS." What would be the criteria for the direction of where to apply splash zone over the length of the bulkhead?

Answer: Final recoating quantities will be determined during construction following the results of the UT inspection as described in response 1, above.

5. Question: Can Protected Structure Potential Measurements be done after April 30th if all anodes are not installed one month prior to April 30th? Due to it having to be in operation for one month before the test can be performed. If so would any Liquidated Damages be incurred?

Answer: Yes, if the measurements will be non-destructive and will not interfere with normal use of property. In this case the Town would waive liquidated damages for protected structure potential measurements only.

6. Question: Contractor requests the use of 1,250 (50'x25') sqft minimum staging area within adjacent parking lot for equipment and material storage.

Answer: The Town's standard practice is not to provide contractor staging areas on Town property. While there is a possibility that the Town might entertain this request under certain conditions, the Town is not prepared to offer that at this time.

7. Question: Various notes on sheet 2 of the project plans reference restoring existing water service at 14 typical locations including floating dock pedestal locations. Please confirm there is a water service SOW on this project and provide additional information on the floating docks and pedestals referenced as well as water service along bulkhead cap. Please confirm which bid item costs associated with this work should be allocated.

Answer: The scope of work for the water line intends to replace the existing waterline from the Utility Shed to the connections located along the bulkhead. It is assumed that the water lines seaward of the bulkhead remain serviceable and will not be replaced or require maintenance at this time. If discovered during construction that the water lines between the bulkhead and pedestals are not serviceable, a remedy will be considered by the Town including potential change orders to restore water service seaward of the bulkhead.

8. Question: The written specifications describes the following bid items as: **BID ITEM 09900-3 EPOXY REPAIRS**: All labor, equipment, and materials necessary for the coating of epoxy for all selected locations from the **bottom of the concrete cap to 6" above the MLW line** in accordance with the Contract Documents and as directed by the Owner and Owner's Project Engineer shall be measured per SF unit cost. **BID ITEM 09900-4 SPLASH ZONE EPOXY REPAIRS**: All labor, equipment, and materials necessary for the coating of **splash zone epoxy** for all selected locations from **6" above the MLW line to 2' below the MLW** in accordance with the Contract Documents and as directed by the Owner and Owner's Project Engineer shall be measured per SF unit cost.

Answer: See response to question 9.

9. Question: There is conflicting information on the schedule on Sheet 2 and the notes of sheet 3 of the project plans state the following STANDARD STEEL RECOATING TREATMENT SHALL BE APPLIED **BETWEEN THE TOP OF THE BULKHEAD (±5.5' NAVD88) AND 2' ABOVE MLW (±0' NAVD88) AS DIRECTED USING BAR RUST 235** OR SIMILAR FOR COATING BY DIVERS ALONG THE ENTIRE LENGTH OF THE BULKHEAD. 3. **SPLASH ZONE STEEL RECOATING TREATMENT SHALL BE APPLIED BETWEEN 2' ABOVE MLW (±0' NAVD88) AND 6" BELOW MLW (±-2.5' NAVD88) AS DIRECTED USING CARBOLINE A788** HIGH BUILD EPOXY OR SIMILAR FOR COATING BY DIVERS.

Answer: Use the plan notes for recoating application: EPOXY TOUCH-UP WITH BAR RUST 235 (TOP OF BULKHEAD TO 2' ABOVE MLW) CARBOLINE A788 TO BE APPLIED (2' ABOVE TO 6" BELOW MLW).

10. Question: Note 2 on sheet 2 of the project plans states CONTRACTOR REQUIRED TO USE A WIRE BRUSH WITH VACUUM SYSTEM FOR MARINE GROWTH AND COATING REMOVAL, PROPOSED EQUIPMENT MUST BE SUBMITTED TO THE BARNSTABLE CONSERVATION COMMISSION 4 WEEKS PRIOR TO THE WORK FOR DETERMINATION IF A DEBRIS BOOM WILL BE REQUIRED. – please confirm is this cleaning/surface prep method only required for surface area above Mean Low Water in the dry?

Answer: The cleaning/surface prep stated in Note 2 on Sheet 2 of the project plans is required for all cleaning/surface prep above the MLW level in the dry.

11. Question: Please provide a method of field steel surface preparation for fully submerged diver performed work to the repair limits described below mean low water.

Answer: For below MLW application the contractor shall use water pressure to clean the surface prior application of the epoxy putty.

12. Question: There is not enough information currently available to determine the quantities of bituminous concrete re-pavement, reinforced concrete, and loam and seed per the details provided on sheet 4 of the concrete plans for the current lump

sum bid item # 33-0500-1 Utility Installation and Pedestrian Walkway Restoration. Please provide square foot units for each.

Answer: The square foot quantities for bituminous concrete re-pavement, reinforced concrete, and loam and seed are included in the lump sum bid item #33-0500-1 Utility Installation: bituminous concrete re-pavement (6,450 sf), reinforced concrete (260 sf), and loam and seed (80 sf).

13. Question: Bid Items 09900-3 and 0900-4 epoxy repairs and splash zone repairs are quantified as 200 square feet and 400 square feet respectively. The project plans depict the epoxy repairs as a violet stripe along ~670 lineal feet between station 0+15 and 6+85 coating a difference of elevations of ~1.75'. The project plans depict the splash zone repairs as a pink stripe along ~670 lineal feet between station ~0+15 and ~6+85 coating a difference of elevations of ~2.5'. Please confirm the bid quantities for Bid Items 09900-3 and 0900-4.

Answer: The bid quantities represent an approximate repair square footage based on previous UT reports of the bulkhead at the project site, the final recoating quantities will be determined during construction following the results of the UT inspection (Bid item #09900-1). Contractor unit costs for recoating under 09900-3 and 09900-4 shall be representative of the units provided for each Bid Item. See response 1, above.

14. Question: Note 3 on the schedule for repair order #4 on sheet 2 of the project drawings states: COAT THE PLATE WITH BAR RUST 235 OR SIMILAR FOR COATING ABOVE WATER PLATING AND CARBOLINE A788 HIGH BUILD EPOXY OR SIMILAR FOR COATING UNDERWATER PLATING. Should the costs associated with coating the new steel repair plates be allocated in Bid item 09900-2? or allocated in Bid Items 09900-3 or 09900-4 after new steel plate is welded as part of the epoxy repair items?

Answer: The costs associated with the coating of steel plates (bar rust 235 or equal) prior to installation and welding to the steel bulkhead shall be allocated under Bid Item 09900-2, any post-installation recoating of the edges of the plate, the weld, and bulkhead around the installed steel plate shall be paid under Bid Items 09900-4 (Carboline A788).

15. In the Sheetpile Bulkhead Repair Table on page two of the drawings, repair order 5 Description 2 states; "AS DIRECTED USING BAR RUST 235 OR SIMILAR FOR COATING BY DIVERS ALONG THE ENTIRE LENGTH OF THE BULKHEAD." Description 3 state that; "SPLASH ZONE STEEL RECOATING TREATMENT SHALL BE APPLIED BETWEEN 2" ABOVE MLW ($\pm 0'$ NAVD88) AND 6" BELOW MLW ($\pm 2.5'$ NAVD88) AS DIRECTED USING CARBOLINE A788 HIGH BUILD EPOXY OR SIMILAR FOR COATING BY DIVERS." What would be the criteria for the direction of where to apply splash zone over the length of the bulkhead?

Answer: Steel plating shall be installed in areas of section loss greater than 1/8", recoating of areas between the bottom of the concrete cap and 6" below MLW shall be identified during the UT inspection as areas with section loss greater than 1/16" and less than 1/8". Final recoating quantities will be determined during construction following the results of the UT inspection. Unit costs for recoating shall be representative of the units provided for each Bid Item.

In addition, the engineer of record has provided the attached revised plan set and the following general clarifications of the proposed work plan:

1. The Town has set a budget for the repairs at Bismore Park Marina and will prioritize the repairs described in the contract documents in the following order:
 - a) Mobilization/demobilization
 - b) All waterline replacement work and upland incidentals
 - c) Perform sheetpile interlock weld and install anodes including cleaning of the existing bulkhead and recoating for anode installation
 - d) Perform the UT inspection to determine thickness readings of the bulkhead, identify locations of the steel bulkhead with greater than 1/8" of section loss and areas of lighter corrosion with notable coating loss (Section loss greater than 1/16" but less than 1/8");
 - e) Contractor must provide UT inspection information to engineer for review and guidance regarding the final amount of plating and recoating;
 - f) Prepare the bulkhead surface as described in the contract documents and install steel plate repairs to the steel bulkhead in identified locations, including recoating of steel plate repair areas;
 - g) It is anticipated that the project budget may be expended during steel plating repairs and related recoating of those areas, but this will be determined based on the results of the UT inspection.
 - h) If there is additional project budget available, the goal will be to recoat the bulkhead locations identified during the UT inspection efforts until the project budget is expended, within the elevations shown on the plans.
 - i) The actual contract value and anticipated awarded quantities for each work item will be determined using the bidder's unit prices provided on the bid form.

Separate Attachment: "Bismore Bulkhead IFB REV 1 Stampe".

All other terms and conditions remain the same as previously stated. Each bidder must acknowledge receipt of this addendum #3 in your bid form.

Amber Patterson, CPO, MCPPO