

Request for Qualifications and Proposals

Construction Engineering, Project Inspection and Contract Administration Services

For Bulkheading and Dredging Project at Bridgeport Regional Maritime Complex

The Bridgeport Port Authority (BPA) seeks qualifications and cost proposals from qualified engineering firms with expertise in waterfront construction and environmental site remediation to prepare construction and bidding documents, provide construction inspection and contract administration and environmental oversight of planned bulkheading, dredging and associated site improvements on property owned by the BPA. The work includes:

- Construction of approximately 290 lineal feet of steel bulkheading;
- Dredging and soil removal along the length of the bulkhead of approximately 20,000 cubic yards and use of the material as upland fill (portions of the material may be directed to Long Island Sound for disposal);
- Grading and paving of areas on the upland side of the newly installed bulkhead with a combination of asphalt and high capacity concrete pavements.
- Segregation and management of potentially environmentally contaminated soils from “clean” soils during excavation and filling in accordance with a Remedial Action Plan developed for the site.

The Scope of Work to be completed shall include:

1. Consultant shall review the completed engineering designs and value engineer the designs to determine potential cost savings or design improvements to aid in ease of implementation (Information to be provided to consultant includes that as shown in attachment A);
2. Consultant shall work with the BPA and the project design engineer(s) to develop detailed construction specifications for the work. Specifications will be developed, in part, on similar construction work previously completed on site;
3. Consultant will assemble all engineering design drawings; develop additional plans and drawings as needed to incorporate the engineering designs into a comprehensive bid package; and develop and assemble construction specifications and approved contract documents into bidding documents for the purpose of obtaining competitive bids for the work from qualified contractors. The contract and bidding documents may be divided into a maximum of three (3) separate contracts for bulkheading, dredging, and upland (pavement) improvements. The BPA may elect to consolidate the projects into 2 separate contract documents, one for bulkheading/dredging and one for upland (pavement) improvements;

4. Consultant will integrate the requirements of the approved Remediation Action Plan (“RAP”) for the site into all construction specifications and plans;
5. Consultant will integrate the requirements of the Connecticut Department of Environmental Protection, “Notice to Contractor – Diesel Vehicle Emissions Controls” into all construction specifications and plans;
6. Consultant will integrate the requirements of the Federal Environmental Protection Agency’s, “Marine Emissions Contract Requirements”;
7. Consultant shall assist the BPA in advertising for, obtaining and reviewing bids from qualified construction firms;
8. Consultant shall provide engineering, inspection, administration and support services during the work for all aspects for construction, including:
 - Weekly progress meetings with contractor and BPA,
 - Regular site visits and inspections during construction to view progress of the work and adherence to specifications & contract requirements,
 - Processing shop drawings and submittals,
 - Coordinating modifications to engineering design or specifications if required due to unforeseen site conditions and/or requests from the contractor,
 - Prepare recommended change order requests,
 - Review and approval of monthly requests for payments,
 - Prepare and provide As-built drawings of the final construction,
 - Environmental coordination,
 - Coordination of modifications to the site Environmental Land Use Restriction (ELUR) to add the new work.
9. Consultant will perform all required services pertaining to the existing ELUR on property, including determining the project impact on present ELUR, requirements to open and re-establish the ELUR (if necessary) , interactions with any tenant, easement holders and others potentially affected by ELUR, prepare/provide surveys, maps and related documents necessary, coordinate with other consultants as necessary for ELUR related activities, perform required reporting to all appropriate local, State and Federal agencies;
10. Consultant shall provide the services of a Licensed Environmental Professional (LEP), to oversee environmental activities during all phases of construction activities, including any required ELUR activities;
11. Prepare, submit and represent the BPA on all required permitting activities, provide follow up on permitting applications;
12. Assist in coordinating with funding and regulatory agencies, participate in meetings with funding and regulatory agencies, respond to any funding or regulatory agencies as needed under this project.

The consultant engineering firm will be evaluated and selected based on the firm’s and its team’s, engineering, planning and technical competence, capacity and capability to perform the work within the time allotted, construction inspection experience, maritime

construction experience and environmental experience in projects of similar scope and magnitude.

The fee paid to the Project Engineering Firm will be negotiated on a Cost Not To Exceed basis; all interested firms shall provide a comprehensive cost proposal, including an estimated man hour proposal and detailed hourly rate schedule, to complete the Scope of Work as outlined.

Additionally, all interested firms must submit a detailed statement of qualifications and experience in performing work on similar projects as well as a detailed organizational structure under which the firm proposes to conduct business including names and resumes of all key personnel assigned to the project. Proposed sub-consultants should be clearly identified. The relationship to any “parent” firm or subsidiary firm, with any of the parties concerned, must be clearly defined.

The Disadvantaged Business Enterprise (DBE) subconsultant goal shall be no less than 15% of the agreement value.

The selected firm must meet all City, State and Federal affirmative action and equal employment opportunity practices.

Personnel in responsible charge of the project will be required to possess and maintain a valid Connecticut Professional Engineer’s License.

Sealed Qualifications and Proposals (8 copies) should include general information on the firm and proposed subconsultants, the firm’s brochure, current Federal GSA Forms 254 & 255 (or SF 330/CT 330 whichever is applicable), experience of the firm outlining previous projects completed of similar scope and magnitude, resumes of key personnel and a detailed cost proposal for the stated Scope of Work. All proposals are to be submitted no later than 4:00 PM on Thursday, November 20, 2008 to:

Joseph A. Riccio, Jr.
Executive Director
Bridgeport Port Authority
330 Water Street
Bridgeport, CT 06604

Responses received after this time and date, or at any other location, will not be accepted.

The Bridgeport Port Authority reserves the right to reject any or all responses, to waive irregularity in bidders, or to terminate this request.

Attachment A

The following information will be completed and will be made available to selected Project Engineer, completing the Project Engineer's Scope of Work:

Bulkhead Engineering Design:

1. Engineering/structural design of the proposed bulkhead completed by ENVAR Services, Inc of North Brunswick, NJ;
2. Detailed specifications of the length and type of steel sheeting, depth of embedment, wythes, tiebacks, coating and finishing;
3. Plan showing bulkhead location, alignment and position relative to HTL;
4. Details of bulkhead penetrations for storm drainage outfalls;
5. Details of pilings to support high load bearing areas behind bulkhead;
6. Finished elevation of completed bulkhead;
7. Copies of bid specifications and designs of bulkheading previously installed on-site (proposed new bulkheading is a continuation of previous work);
8. Copies of soil borings completed along the bulkhead alignment.

Paving Design

1. Engineering/structural design of concrete pavement as prepared by TPA Design Group, New Haven, CT;
2. Concrete pavement design behind bulkhead, including thickness, reinforcement, subgrade preparation, and concrete specifications;
3. Asphalt paving design behind bulkhead including thickness, subgrade preparation and asphalt specifications;

Dredging/Bulkheading Permits and Specifications

1. Dredge/bulkhead permit applications have been prepared by Triton Environmental of Guilford, CT;
2. Dredge/bulkhead permits from CTDEP and USACOE will be in-place prior to the start up of construction;
3. Copies of all applicable permit applications, supporting documentation and copies of permits issued by CTDEP & USACOE will be made available to the selected Project Engineer;
4. Locations and existing topographical information of on-site dredge spoil dewatering areas will be provided in auto-cad format. Chemical and physical test data conducted on dredge sediments will be made available.

Site Plans

1. Copies of existing site plans, on-shore and off-shore topography, locations of utilities and other pertinent site features will be made available to the selected Project Engineer for consultant's use in preparing base plans and maps.

Remedial Action Plan

1. A copy of the Remedial Action Plan and the Partial Final Report developed for the site by GZA GeoEnvironmental will be available for the selected Project Engineer's review and incorporation into the bid specifications.