

## ADDENDUM No. 1

ITB No. 4695

### SUPERIOR DAM – GATE COATING AND REPAIRS

**Bids Due: Thursday, December 16, 2021 at 2:00 P.M. (Local Time)**

The following changes, additions, and/or deletions shall be made to the Invitation to Bid for Superior Dam – Gate Coating and Repairs, ITB No. 4695 on which proposals will be received on/or before December 16, 2021 at 2:00 P.M. (local time). The bid opening will be at Larcom City Hall (301 E Huron Street, Ann Arbor, MI 48104). Interested parties and/or bidders are welcome to concrete in the north vestibule of City Hall to hear the read bid amounts at bid opening.

The information contained herein shall take precedence over the original documents and all previous addenda (if any) and is appended thereto. **This Addendum consists of four (4) text pages and one (1) drawing.**

**Bidder is to acknowledge receipt of this Addendum No. 1, including all attachments (if any) in its Bid by so indicating on page ITB-1 of the Invitation to Bid Form. Bids submitted without acknowledgment of receipt of this addendum will be considered nonconforming.**

The following forms provided within the ITB document should be included in submitted bids:

- City of Ann Arbor Prevailing Wage Declaration of Compliance
- City of Ann Arbor Living Wage Ordinance Declaration of Compliance
- Vendor Conflict of Interest Disclosure Form
- City of Ann Arbor Non-Discrimination Ordinance Declaration of Compliance

**Bids that fail to provide these completed forms listed above upon bid opening may be rejected as non-responsive and may not be considered for award.**

#### I. CORRECTIONS/ADDITIONS/DELETIONS

Changes to the Bid document which are outlined below are referenced to a page or Section in which they appear conspicuously. The Bidder is to take note in its review of the documents and include these changes as they may affect work or details in other areas not specifically referenced here.

##### Contract Documents

##### **ARTICLE III - Time of Completion**

*Revise paragraph (B) as follows:*

- (B) The entire work for this Contract shall be completed within ~~one hundred fifty (150)~~ **two hundred forty (240)** consecutive calendar days.

## Detailed Specifications

### **SECTION 09900 PAINTING**

*Replace the entire sub-section 3.3 as follows (paragraphs that are new or with revised text are in **bold text**):*

#### **3.3 SURFACE PREPARATION**

- A. Prior to beginning surface preparation and painting operations, completely mask, remove, or otherwise adequately protect all hardware, accessories, machined surfaces, plates, lighting fixtures, and all work of other trades that are not to receive the paint coating. Before applying paint, thoroughly clean and prepare all surfaces according to the specified surface preparation method. Schedule all cleaning and painting so that dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.
- B. Prepare metal surfaces for painting by following the method indicated on the appropriate paint schedule. Preparation methods are referenced to the Steel Structures Painting Council (SSPC) Specifications. Do not prepare metal for painting when the relative humidity is higher than 85% or the metal is less than 5°F above the dew point. After surface preparation, thoroughly clean all surfaces of any remaining dirt, oil and grease and leave it ready to receive prime paint.
- C. **Except for field touch-ups that may be identified after containment is removed, surface preparation shall be by abrasive blasting. Where approved by the Engineer, field touch-ups may be accomplished by mechanical means (e.g., using Bristle-Blaster) that meets the same profile and cleanness standard.**
- D. **Blasting abrasive shall be dry, clean, sharp and angular, free from contaminants and of a type and size adequate to give the relevant surface profile amplitude, peak count and an angular profile shape. Unless noted otherwise in this section, blast abrasive shall be non-metallic.**
- E. **Do not use materials containing traces of wollastonite or exceeding the limits of the 8 metals specified by the Resource Recovery and Conservation Act (RCRA). Crushed glass and staurolite shall not be used. Any materials containing radioactive substances and shall not be used.**
- F. **Each bag or pallet of abrasive shall have a batch (lot) number, which shall be recorded on the Independent Inspector's daily inspection report. The batch traceability shall identify the date and shift of manufacture, and a certificate of conformance shall be supplied showing compliance of that batch to levels for less than 15ppm abrasive chlorides, less than 0.1% free crystalline silica, less than 110 NTU turbidity, more than 99% purity, and less than 0.2% moisture content.**
- G. **In addition to other requirements stated herein, silica and beryllium content in media shall be low enough to support meeting the latest OSHA guidelines for exposure of workers performing abrasive blasting.**
- H. **To verify profile shape, a peak count of 12,000 -26,000 peaks per square inch is desired, measured according to ASTM D4417-21 Method C.**

- I. **Abrasives that usually conform to these requirements include: SteelBlast™ or TankBlast™ Garnet blends, SSPC AB4 SpongeBlast, or AloxBlast Aluminum Oxide. Similar products may be approved upon review.**

### Drawings

**Add the following Reference Drawing (Harza, 1971):**

**520 M 220                      STOPLOGS AND EMBEDDED STEEL**

## **II. QUESTIONS AND ANSWERS**

*The following Questions and Answers pertain to the project and requirements of the bid documents. Offerors are directed to take note in their review of the documents of the following questions and responses as they may affect work or details in other areas not specifically referenced here.*

Question 1:    When will the Notice to Proceed be issued?

Answer 1:     It is anticipated that the Notice to Proceed will be issued in late March or early April, 2022, contingent on the winning Contractor's insurance, bonds and execution of contract being completed.

Question 2:    What is the stoplog weight?

Answer 2:     Stoplog weight may be estimated using information from the added Reference Drawing (520 M 220).

Question 3:    What is the spacing of the anchors on the existing gate sill?

Answer 3:     See Reference Drawing 520 M 331 (Elevation, Section A – A, Detail A and Welding Pad Detail) for information on sill and sill anchors.

Question 4:    Are the two (2) embedded gate stops to be included in the items to be painted (shown on the Elevation and Detail B on Reference Drawing 520 M 331)?

Answer 4:     Yes. Surface preparation and coating shall be done in-situ. Un-bolt spring mechanism before surface preparation and re-install after coating is complete.

Question 5: Can the gate be removed for painting off site?

Answer 5: The gate frame can be removed from the bolted connection on the strut arms (4 places). Strut arm and hub assemblies must be left in place for painting in-situ.

Question 6: Can the hoist be removed for painting off site?

Answer 6: The hoist torque tube, chain covers and machinery housing may be removed for painting off site. The hoist machinery base and outrigger base must be left in place on the concrete pads.

Question 7: Is vapor blasting allowed?

Answer 7: Vapor blasting may be used for removal of old coatings. Final blast before new coating application must be with a dry abrasive method because of issues with leaving flash rust due to wet blasting.

Question 8: Tnemec paint is specified. Can Carboline be substituted?

Answer 8: Please see Section 09900.1.1.B for acceptable manufacturers.

Question 9: The drawings specify a 16 x 5.5 wide flange beam. Can a W16x31 be used? What are the tolerances for the 16x5.5 and split T beams?

Answer 9: The scope of this project does not include replacement of the gate horizontal girders and T-beams. The member sizes shown on the bid drawings are for reference only.

