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June 20, 2023

Bill Andrews, Village President  
Village of Freeport  
PO Box 10  
Freeport, MI 49325

## **CONTRACT: 2023 WATER TOWER REPAIRS**

### **ADDENDUM NO. 1**

#### **Notice to All Prospective Bidders:**

This Addendum is issued in accordance with INSTRUCTIONS TO BIDDERS, and is hereby incorporated into the Contract Documents. The CONTRACTOR is reminded to appropriately-acknowledge receipt of this Addendum in the BID FORM. *This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated June 2, 2023. This Addendum No. 1 consists of two (2) typed pages. The issuance of the Specification Sections, and the issue of Drawings are listed at the end of this document and are attached to this document.*

#### **Modifications to Specifications:**

1. Section 00 11 13 – Advertisement for Bids
  - a. Change bid opening date to July 6, 2023 at 11:00 a.m.
  
2. Section 09 97 13 – Coating System for Existing Steel Storage Tanks
  - a. 3.01.A.1.b – Remove section
  - b. 3.01.A.1.c – Replace with:  
“Abrasive blast cleaning to a commercial grade (SSPC-SP 6).”
  - c. 3.02.A.3.a – Replace with:  
“All spent materials, and other debris shall be collected daily and placed in 55-gallon capacity steel drums for hazardous waste storage at the work site. The 55-gallon drums will be supplied by the CONTRACTOR.”
  - d. 3.02.A.3.b – Replace with:  
“The waste containers shall be handled, stored, and disposed of in strict accordance with this Article, and approved by the ENGINEER. Containers shall be so located as not to cause a potential work or traffic hazard. Waste disposal is the responsibility of the CONTRACTOR.”
  - e. 3.02.A.3.e – Replace with:  
“Wastes other than spent blast material and paint shall not be placed in the special waste containers specified herein. The CONTRACTOR shall provide and dispose of separate waste containers for non-hazardous waste and construction debris.”
  - f. 3.02.B.4.a – Replace with:  
“Hazardous:  
(1) Any spent materials that are designated as hazardous waste in accordance with the TCLP test shall be disposed of as hazardous waste. Any material designated as hazardous waste shall be hauled by the CONTRACTOR and disposed of at a licensed Type I, hazardous waste disposal facility.”

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- g. 3.02.B.4.b – Replace with:  
“Non-Hazardous:  
(1) If the TCLP test results do not classify the spent material as a hazardous waste,  
the CONTRACTOR shall dispose of it at a licensed Type II landfill.”

Please contact the project manager with any questions or comments on this addendum.

Respectfully submitted,

**Williams & Works**

Nathan Breese, P.E.  
Project Manager

Enclosures: 00 11 13 – Advertisement for Bids  
09 97 13 – Coating System for Existing Steel Storage Tanks

Cc: All Plan Holders  
Duane Weeks, Village of Freeport  
File

ADVERTISEMENT  
FOR  
2023 WATER TOWER REPAIRS  
FOR THE  
VILLAGE OF FREEPORT

The Village of Freeport is soliciting sealed proposals for 2023 Water Tower Repairs. Items of work include repainting the tank in its entirety, removing and replacing the cathodic protection, installing a storage tank mixing system, various water tower repairs, and all related work.

Sealed proposals will be received by the Village of Freeport at the Village Office, located at 209 S State St., Freeport, Michigan 49325 until 11:00 a.m. local time, July 6, 2023 at which time they will be publicly opened and read aloud.

Contract Documents may be obtained at the offices of or viewed online\* at the following locations:

- Williams and Works, 549 Ottawa NW, Grand Rapids, MI 49503, (616) 224-1500, <http://williams-works.com/#bids>\*
- Builders Exchange of Grand Rapids, 678 Front Ave. NW #330, Grand Rapids, MI 49504\*
- Builders Exchange of Kalamazoo, 3431 East Kilgore Road, Kalamazoo, MI 49001\*
- Builders Exchange of Lansing 1240 East Saginaw, Lansing, MI 48906\*

Each proposal shall be accompanied by a certified check or bid bond by a recognized surety in the amount of five percent (5%) of the total of the bid price.

After the time of opening, no bid may be withdrawn for a period of ninety (90) days.

The Village of Freeport reserves the right to accept any bid, reject any or all bids, to waive informalities and make the award in any manner deemed in the best interest of the Village of Freeport

Village of Freeport  
BY ORDER OF:

Bill Andrews  
Village President

SECTION 09 97 13COATING SYSTEM FOR EXISTING STEEL STORAGE TANKSPART 1 - GENERAL

## 1.01 DESCRIPTION OF WORK:

- A. The work in this section includes all items necessary to prepare the interior and exterior surfaces for painting, apply coating systems, debris containment and disposal requirements for the elevated water tank.

## 1.02 REFERENCES:

- A. AWWA - American Water Works Association Standards.
- B. SSPC - Steel Structures Painting Council Standards.
- C. CFR - Code of Federal Regulations:
1. 29 CFR 1910, "Occupational Safety and Health Standards."
  2. 29 CFR 1910.134, "Respiratory Protection."
  3. 29 CFR 1910.1020, "Access to Employee Exposure and Medical Records."
  4. 29 CFR 1910.1025, "Lead."
  5. 29 CFR 1910.1200, "Hazard Communication."

## 1.03 SYSTEM DESCRIPTION:

- A. Interior Surfaces:
1. Near-white metal blast clean (SSPC-SP 10) - the entire interior.
  2. Pit weld areas determined by ENGINEER.
  3. Repeat Step 1 in areas of pit welding.
  4. Apply Porter EAA-112, Intergard Caulk Adhesive, or approved equal, in areas determined by ENGINEER.
  5. Clean, and paint entire tank interior including wet riser.
- B. Exterior surfaces:
1. Abrasive blast clean to a commercial grade (SSPC-SP 6), and apply finish coatings to the entire tank exterior.

## 1.04 SUBMITTALS:

- A. Color chips for exterior finish coat shall be a \_\_\_\_\_ color approved by the OWNER.
- B. Manufacturer's product data giving the brand name or other identification, description, and details of recommended application procedures.
- C. Source containment system.
- D. Ground protection system.

## 1.05 QUALITY ASSURANCE:

- A. Notice on Compliance with Hazardous Waste Management Laws:
1. The CONTRACTOR shall be familiar with and in full compliance with the provisions of the following laws concerning the management of hazardous waste:
    - a. Subtitle C of the Resource Conservation and Recovery Act.
    - b. Hazardous Waste Management Act, 1979, PA 64 as amended.
  2. Even though the OWNER is considered to be the generator of any hazardous waste produced by removing lead-based paint from the water tank, the CONTRACTOR is directly and solely responsible for his own actions in complying with the requirements of these hazardous waste laws.
- B. Notification of Employees and Compliance with OSHA Regulations:
1. **The CONTRACTOR is hereby notified that the environment involved with this project contains lead-based paints.** The CONTRACTOR is solely responsible for

SECTION 09 97 13COATING SYSTEM FOR EXISTING STEEL STORAGE TANKS

conforming to all OSHA Regulations and for notifying his employees of the working conditions that exist. Failure to adhere to these requirements will result in the CONTRACTOR's immediate dismissal and forfeiture of any payment for work performed.

## 1.06 DELIVERY, STORAGE, AND HANDLING:

- A. Deliver coating materials in sealed original labeled containers, bearing manufacturer's name, type of paint, brand name, color designation, and instructions for mixing and reducing.
- B. Provide adequate storage facilities. Store coating materials at a minimum temperature of 50 degrees Fahrenheit in well ventilated areas and in strict accordance with manufacturer's requirements.
- C. Take precautionary measures to prevent fire hazards and spontaneous combustion's.

PART 2 - PRODUCTS

## 2.01 PAINT MANUFACTURERS:

- A. Tnemec, Sherwin Williams, or Induron.
- B. Porter EAA-112, Intergard Caulk Adhesive, or approved equal.
- C. Interior and exterior systems shall be of a single source.

## 2.02 PAINTING SYSTEM:

- A. Interior:
  - 1. One Coat (first coat):
    - a. Tnemec Series 94-H2O or equivalent.
    - b. Minimum dry film thickness, 2.5 mils.
  - 2. One Coat (second coat):
    - a. Tnemec Series 22 Epoxy or equivalent.
    - b. Minimum dry film thickness, 20 mils
  - 3. The two coats of paint shall be contrasting in color.
  - 4. Stripe Coat: One additional coat of epoxy shall be applied by brush and roller to all weld seams.
- B. Exterior:
  - 1. Primer Coat:
    - a. Tnemec Series 94-H2O or equivalent.
    - b. Minimum dry film thickness, 2.5 mils.
  - 2. Intermediate Coat:
    - a. Tnemec Series N69 epoxy or equivalent.
    - b. Thickness as directed by manufacturer.
  - 3. Finish Coat:
    - a. Tnemec Series 1094
    - b. Thickness as directed by manufacturer.
  - 4. All three coats shall be of contrasting color from the previous surface. The final coat color shall be selected by OWNER.

## 2.03 SURFACE PREPARATION

- A. Exterior Tank Cleaner
  - 1. United 727 Weather-Zyme as manufactured by United Laboratories, 320 37 Ave., St. Charles, IL 60174 1-800-323-2594.
- B. Abrasive - Coal Slag
  - 1. The coal slag shall be 20-40 grade, or 30-60 grade.
  - 2. The abrasive shall be free of moisture, water soluble contaminants, dust, and oil.
  - 3. The abrasive shall be stored and covered to prevent moisture contamination.
  - 4. All leaking or spilling bags shall be removed, and affected areas properly cleaned.

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5. All slag abrasive shall meet the requirements of SSPC-AB1 "Mineral and Slag Abrasive" June 1, 1991-Grade 3.
  6. The use of silica sand, flint sand, and glass beads is prohibited.
  7. All abrasive and grit material used, and all equipment supplied shall be subject to approval of the engineer. The abrasive or grit shall be sharp enough and hard enough to remove the mill scale, rust, and paint.
- A. Recyclable Steel Grit - Alternate
1. Use recyclable steel grit size G-25 or G-50.
  2. The abrasive is to be free of moisture, water soluble contaminants, dust, and oil.
  3. The abrasive is to be stored and covered to prevent moisture contamination.
  4. All leaking or spilling containers are to be removed, and affected areas properly cleaned.
  5. All recyclable steel grit shall meet requirements of SSPC-AB1 "Metallic Abrasive" June 1, 1991.
  6. All abrasive and grit material used, and all equipment supplied shall be subject to approval of the engineer. The abrasive or grit shall be sharp enough and hard enough to remove the mill scale, rust, and paint.

PART 3 - EXECUTION

## 3.01 PERFORMANCE:

- A. Preparation:
1. Interior - (Including wet riser and all appurtenances):
    - a. Draining the tank is the responsibility of the OWNER.
    - b. After all water has drained away, the CONTRACTOR shall clean out all remaining sludge.
    - c. Wash water and sludge disposed of off site by CONTRACTOR.
    - d. Near-white metal blast clean (SSPC-SP 10) interior surfaces.
    - e. After tank interior has been blasted, and prior to painting, CONTRACTOR shall inspect the tank interior for pitting. Report extent of pitting to ENGINEER. Repair all pits by puddle welding and grinding clean. Grind welds smooth and re-blast prior to painting.
    - f. Welded joints which include excessive build-up of weld material, rough welds, and weld spatter to be ground smooth as directed by ENGINEER.
    - g. Surface profile per coating manufacturer's recommendations.
    - h. Surfaces dry abrasive blasted, and the profile approved, shall be protective coated the same day. Protective coatings shall not be applied at a temperature below 50 degrees F. The temperature of the metal shall be at least 5 degrees F above the dew point temperature. The relative humidity shall be below 85% to allow adequate curing of the coating.
    - i. Apply tank lining system per PART 2, above.
  2. Exterior - (Including all appurtenances):
    - a. Paint after interior paint work.
    - ~~b.~~ (not used)
    - c. Abrasive blast cleaning to a commercial grade (SSPC-SP 6).
    - d. Brush blasting (SSPC-SP 7) will not be allowed.
    - e. Surfaces cleaned, and the profile approved, shall be protective coated the same day. Protective coatings shall not be applied at a temperature below 50 degrees F. The temperature of the metal shall be at least 5 degrees F above the dew point temperature. The relative humidity shall be below 85% to allow adequate curing of the coating.
    - f. Apply patch coat primer and two finish coats. Applications shall be by roller only.
    - g. Tinting shall be specifically for exterior application.
- B. Painting: Manufacturer's recommendations, AWWA D102, and SSPC current standards.
- C. Rigging: Leave in place for use by ENGINEER for inspecting work. Remove after inspection and acceptance of work. No drilled or flame cut holes will be allowed for rigging or any reason unless approved by the ENGINEER.

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- D. Cleaning: As work proceeds and upon completion, promptly remove paint where spilled, splashed, or splattered. During progress of work, keep premises free from any unnecessary accumulation of tools, equipment, surplus materials, and debris. Upon completion of work, leave premises neat and clean.
- E. Furnish sufficient drop cloths, shields, and protective equipment to prevent spray or droppings from fouling surfaces not being painted and in particular, surfaces within paint storage and preparation area. Place waste, cloths, and any material which may constitute a fire hazard in closed metal containers and remove daily from site. Post warning signs during blasting and painting.
- F. The field inspection shall be performed by the ENGINEER or OWNER'S REPRESENTATIVE according to the following outline.
  - 1. Surface Preparation:
    - a. Surface appearance per SSPC checked with visual standards.
    - b. Anchor profile checked with replica tape.
  - 2. Coating Conditions:
    - a. Temperature of steel using a surface thermometer.
    - b. Determination of relative humidity and dew point and air temperature using a sling psychrometer.
  - 3. Verify Coating Thickness:
    - a. Dry film thickness will be determined by use of a magnetic film thickness gauge.
    - b. Pin holes will be checked using a holiday detector.

## 3.02 DEBRIS COLLECTION, CONTAINMENT, AND DISPOSAL:

- A. Collection and Containment:
  - 1. Ground and Building Roof Protection:
    - a. Ground protection shall be sufficient to protect the surrounding ground area from any falling contaminants per ENGINEER approval.
    - b. The protection shall be of impervious material, tightly secured at all seams. Burlap or open web materials will not be allowed.
    - c. Seams or laps between sheets shall be clamped together along the length of the seam to prevent spent materials from contacting the ground or roof area. Weighting, such as sand bags, shall be used to prevent wind from lifting the protection panels.
  - 2. Source Containment:
    - a. The CONTRACTOR shall provide a method to capture, at the source of the work, the scaled material removed during exterior preparation.
    - b. The CONTRACTOR shall provide a method to capture the spent material and related dust associated with the interior abrasive blast operations.
  - 3. Containment of Debris:
    - a. All spent materials, and other debris shall be collected daily and placed in 55-gallon capacity steel drums for hazardous waste storage at the work site. The 55-gallon drums will be supplied by the CONTRACTOR.
    - b. The waste containers shall be handled, stored, and disposed of in strict accordance with this Article, and approved by the ENGINEER. Containers shall be so located as not to cause a potential work or traffic hazard. Waste disposal is the responsibility of the CONTRACTOR.
    - c. The waste containers shall be covered with waterproof lids or coverings at all times, except when adding or removing materials. The containers shall be stored in a secured area, not located in a storm water runoff course or exposed to standing water. The containers must be placed on pallets located on an impervious barrier such as a tarpaulin.
    - d. The CONTRACTOR shall label all waste containers in compliance with the hazardous waste laws. The containers shall be marked with the contents, the origin, and the date of the collection of the material.
    - e. Wastes other than spent blast material and paint shall not be placed in the special waste containers specified herein. The CONTRACTOR shall provide and dispose of separate waste containers for non-hazardous waste and construction debris.

- B. Testing and Disposal:
1. At the end of the first full day of exterior and interior cleaning, the CONTRACTOR shall collect a 2000 milliliter sample of waste representative of that day's work. The sample must be taken in the presence of the ENGINEER. The CONTRACTOR must label the sample with the following information: **date; area of work represented; signature of CONTRACTOR; signature of witnessing OWNER's REPRESENTATIVE.** The sample label **MUST** bear the witnessing signature of the OWNER's Representative or the CONTRACTOR shall be responsible for any costs incurred for re-sampling and laboratory testing of the sample.
  2. The waste shall not be disposed of until authorized by the ENGINEER.
  3. The 2000 milliliter sample shall be prepared by the CONTRACTOR and tested by the OWNER in accordance with the Toxicity Characteristic Leachate Procedure (TCLP) test. The result of the testing will determine if the waste is classified as hazardous or nonhazardous waste.
  4. Material must be treated as a hazardous waste until results of the TCLP test determine otherwise.
    - a. Hazardous:
      - (1) Any spent materials that are designated as hazardous waste in accordance with the TCLP test shall be disposed of as hazardous waste. Any material designated as hazardous waste shall be hauled by the CONTRACTOR and disposed of at a licensed Type I, hazardous waste disposal facility.
    - b. Non-Hazardous:
      - (1) If the TCLP test results do not classify the spent material as a hazardous waste, the CONTRACTOR shall dispose of it at a licensed Type II landfill.