

Separate sealed Bids are solicited for the following project:

Project Name:           **City of Northville, Michigan  
450,000 Gallon Spheroid  
Exterior Repaint with Containment  
Dry Interior Partial Repaint  
And Miscellaneous Repairs**

Note: This project name is to be understood to include the entire scope of project as defined and detailed by these specifications and Contract Documents.

Separate sealed bids will be received by the Owner and then publicly opened and read aloud at:

Bids Sent To:           **City of Northville, 215 W. Main Street, Northville, MI 48167**

Bid Opening Date:   **April 6, 2023**

Bid Opening Time:   **10:00 A.M. (local time)**

Bid Opening Site:     **City of Northville, 215 W. Main Street, Northville, MI 48167**

The Bid Requirements and Contract Documents may be examined at the following locations:

Construction Association	Builders Exchange	Builders Exchange
43636 Woodward Ave.	1249 E. Saginaw St.	67 Front Ave., NW Suite 330
Bloomfield Hills, MI 48302	Lansing, MI 48909	Grand Rapids, MI 49501

At the OFFICE of the ENGINEER and at the OFFICE of Mike Domine.

Printed copies, Electronic copies, or Documents on Flash drives with the Bidding Documents may be obtained from the office of DIXON ENGINEERING, INC., 1104 Third Avenue, Lake Odessa, Michigan, 48849 (Issuing Office) upon payment for handling charge of each set in the respective format. Payment for handling charges should be made to Dixon Engineering, Incorporated. **There will be no refund of handling charge for return of specification packages, or in the digital format.**

Format	Cost
Bidding Requirements	\$200.00
Electronic download of Bidding Requirements by email (PDF)	\$100.00

For further requirements regarding bid submittal, qualifications, procedures, and contract award, refer to the Instructions to Bidders, and if applicable Supplemental Instructions to Bidders, that are included in the Bidding Requirements.

Note 1: The Engineer assumes no responsibility to supply Builders Exchanges and similar plan review rooms with all addenda issued. An attempt will be made to do so; however, only registered plan holders will be notified by email of expected or late term addendum with short preparation times.

Note 2: Prequalification of BIDDERS - Dixon Engineering will review qualifications of all Contractors and determine their status. Contractors will be prequalified for different sized tanks and towers based on experience, workmanship, successful Project completions with DIXON and Contractor's financial data. Prequalification protocol is in the Instructions to Bidders. Any Contractor who has any projects in dispute or unfinished because of Contract problems will be considered NOT prequalified. Disqualification will result in the return of any handling fee for Bidding Documents.

## **SCHEDULE and LIQUIDATED DAMAGES**

The Contractor is to abide by the following schedule:  
Commence work on or after September 11, 2023.

Work hours are 7:00A.M. to 11:00P.M.

Substantial Completion by November 3, 2023, including cure and disinfection time.

The tank may be out-of-service a maximum of 35 days.

Liquidated damages are applicable and begin after 35 days out-of-service or after Substantial Completion date whichever is the earlier date. Liquidated damages at \$1,250/calendar day is to apply after this date. Ready for Final Payment Date is to be thirty (30) days after date Substantial Completion Date based on out-of-service days or scheduled Substantial Completion, or as adjusted by Change Order; or actual Substantial Completion if earlier. Liquidated damages after Ready for Final Payment Date of \$250/day is to apply. Liquidated damages are cumulative if damages from Substantial Completion and Ready for Final Payment overlap. In addition, Special Damages, fines, or Set-offs may also apply per Bid/Agreement Form.

## **SCOPE of WORK**

### Tank Information:

The structure is a 450,000 gallon spheroid elevated water storage tank with an estimated high-water level of 143 ft. located at 600 W. Baseline Rd. in Northville, Michigan.

### The work includes:

Exterior: Abrasive blast clean to a SSPC-SP6 commercial standard with containment. Apply a four (4) coat zinc epoxy urethane fluoropolymer system.

Dry Interior: Abrasive blast clean the entire tops of the platforms (including 1 ft. up the riser wall), and spot coating failures throughout to a SSPC-SP6 commercial standard. Apply a spot two (2) coat epoxy system to the prepared surfaces.

Foundation: Repair grout. Abrasive blast clean and apply a two (2) coat epoxy system.

Repairs:

- 1) Replace the wet interior roof hatch.
- 2) Install a cover over the top platform opening.
- 3) Install a handhold at the access tube roof hatch.
- 4) Install deflector bars on the fill pipe and draw pipe.
- 5) Install a flap gate on the overflow discharge.
- 6) Replace the condensate drain line.
- 7) Install a sample tap on the draw pipe.
- 8) Install a chemical feed tap on the draw pipe.
- 9) Remove the antenna mounting structure at the center of the roof.
- 10) Replace the seal at the access tube air gap.
- 11) Replace light fixtures in the dry interior.
- 12) Change all light bulbs in the dry interior and in the aviation light.

**MISCELLANEOUS**

- A. Contractor may need to remove fence or a fence section for set-up of containment perimeter. Fence to be reinstalled after work has been completed. Condition of fence to be equal to the original fence, or better. Quality for reinstallation is solely at the discretion of the Owner unless pictorial documentation is completed by the Contractor.
- B. The power lines attached to the structure will be removed prior to the start of the project. The Owner will coordinate removal with the utility.
- C. The antenna owners will temporarily remove the antennas and cables prior to the start of the project.
- D. Due to supply chain issues, the Owner reserves the right to require that the Contractor is to have all of the required coating for the project delivered to the site or to the Owner's storage facility prior to the tank being taken out-of-service and commencement of the project.