

Date: September 15, 2022

REQUEST FOR PROPOSALS

The City of Maryville Water and Sewer Department will be accepting proposals for the inspection of water storage tanks until 2:00 pm, October 3, 2022. Proposals received by said time will be reviewed and considered for this work; those received after said time will not be opened. Proposals for this purchase should be e-mailed to the office of the City of Maryville Purchasing Agent, David Morton, at comsealedbid@maryville-tn.gov. The Submitter shall be responsible for their early delivery and shall include the e-mail subject line: "Water Tank Inspection Proposal Enclosed – 10/03/2022." Questions regarding this work should be directed to Stacy Frye, Utility Construction Inspection Supervisor, at e-mail sefrye@maryville-tn.gov. The question period shall close at 12:00 pm, Wednesday, September 28, 2022; a complete list of questions and answers will be provided by 12:00 pm on Thursday, September 29, 2022.

The City of Maryville reserves the right to accept or decline any proposal made on any proposed purchase. The proposed project has been developed in accordance with Title VI of the Civil Rights Act of 1964 which provides that no person shall, on the grounds of race, sex, age, national origin, or disabling condition, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance.

Request for Proposals
WATER TANK INSPECTIONS
Water and Sewer Department – City of Maryville, Tennessee

The City of Maryville Water and Sewer Department requests proposals for the inspection of six water storage tanks located in the Maryville service area:

1. One 99-ft 500,000 gallon elevated steel tank (Partnership Park South #1)
2. One 28-ft 2,000,000 gallon concrete ground tank (Partnership Park South #2)
3. One 96-ft 200,000 gallon elevated steel tank (Duncan Road)
4. One 33-ft 300,000 gallon steel ground tank (Greenwood #1)
5. One 33-ft 750,000 gallon steel ground tank (Greenwood #2)
6. One 67-ft 2,500,000 gallon elevated steel tank (John Sevier #2)

All heights and capacities are approximate.

SCOPE OF WORK

The contractor will perform inspections of the exterior and interior of the specified water tanks / reservoirs. The contractor shall be responsible for conformance to all federal and state regulations (e.g., OSHA confined space regulations) and for all labor, materials, equipment, and operations (e.g., disinfection of personnel and equipment prior to tank entry; supply, operation, and maintenance of all required safety equipment) necessary for said compliance. The inspection of the tank / reservoir interiors shall be “wet”. Inspection by remote control, robotic cameras will be accepted. Some sites may not have electric available. Contractor to provide a generator as necessary.

During the underwater “wet” inspections, the contractor shall employ equipment with a remote monitor that will allow viewing of the inspection operation by personnel situated at ground level adjacent to the inspected tank. Recording equipment shall include both video and audio feeds.

The contractor will evaluate the water tanks / reservoirs to determine their condition in accordance with AWWA Standards D Series (Storage) and C652-19 from safely accessible areas on both the interior and exterior of the tanks. The coating system will be evaluated in accordance with applicable criteria of the Steel Structures Painting Council (SSPC), National Association of Corrosion Engineers (NACE) and other industry standards. Personnel access areas shall be inspected and evaluated in accordance with Federal OSHA (Occupational Safety and Health Act) regulations.

1. The following items, as applicable, will be evaluated:
 - a. Anchor Bolts
 - b. Base Plates
 - c. Tower Structure, including rods, turnbuckles, rod connection points, strut and strut connection points
 - d. Cotter Pins
 - e. Indications of Leakage
 - f. Ladders
 - g. Bolts
 - h. Condition of Paint on all surfaces; condition of liners and floating covers.
 - i. Rivets
 - j. Welds
 - k. Tank Container
 - l. Concrete Foundations
 - m. Grout
 - n. Hatches, obstruction lights, conduit, overflows, vents, etc.
 - o. Safety devices and general compliance of the tank with OSHA safety standards
 - p. Surrounding property (tank site)
 - q. Site drainage and indications of settlement
 - r. Compliance of the tank openings and coating with sanitary and health requirements

- s. Condition of all tank appurtenances
 - t. Evidence of damage to the tanks
 - u. Evidence of vandalism
 - v. Sanitary condition
2. Visual - Visual assessment of the percentage and distribution of corrosion across the surfaces shall be made. The character of such rust areas (blotching, corrosion, loose paint, etc.) shall be noted, and recommendations made for removal to provide a satisfactory surface for painting. In addition, other visual observations such as peeling, chalking, cracking, blistering, etc. shall be made and duly noted.
 3. Steel Thickness - The location, character (blotchy, deep, pinpoint, or general corrosion) and depth of pits (measured using a pit depth gage) shall be reported. Non-destructive ultrasonic metal thickness readings may be taken.
 4. Photographs / Video - Color photographs of typical coating conditions shall be taken and include as part of the report. The photographs shall be mounted with captions adjacent to the photographs and keyed to the contractor's observations. A DVD video recording of the "wet" inspection of the tank interior shall be provided. The video shall include audio narrative of conditions observed.
 5. Diving Operations - **If** the interior "wet" inspection is performed by diving operations, the following minimum requirements shall be met for the duration of the operations:
 - a. All divers are required to use full-face masks with communications equipment and drysuits. All equipment should have only been use in potable water sources.
 - b. Minimum of two (2) divers and a tender on the surface at all times, both divers in the water at all times to fulfill safety requirements.
 - c. All personnel and equipment sprayed with 50-ppm min. solution of chlorine prior to entering water.
 - d. Provide at least ten (10) references of underwater tank inspections within the last 18 calendar months and as provided in the Qualifications section of this document.
 - e. The City of Maryville will provide at least a 0.5 ppm residual chlorine in tank prior to divers entering water.
 - f. All divers shall be certified as commercial divers by the Association of Diving Contractors.
 - g. All diving operations associated with tank inspections shall be performed by or under the direct oversight of a professional engineer registered for practice by the State of Tennessee. In addition, certification by the National Association of Corrosion Engineers is preferred.
 6. Reporting - At the completion of the inspection operation, the contractor shall prepare and submit to the City of Maryville two (2) copies of a color DVD recording of the "wet" underwater inspections and a portable data file (pdf) of the report, as well as one (1) copy of a bound report of the observations / recommendations / conclusions from the interior and exterior inspections of each tank. The DVD shall include audio recordings made during the inspection; the DVD may be edited to add supplemental audio and/or photos that are critical to the integrity and interpretation of the inspection. The reports shall include details of observations including all of the above items. The report shall include descriptions of the location of any faults in the structures. It shall also include recommendations for maintenance, painting and repairs, complete with budget estimates of the work for use in preparation of the technical specifications. The inspection report for each of the tanks shall be bound separately. The digital media and reports shall be issued to the City by January 31, 2023.

SCHEDULE

The tank inspections must be completed by January 1, 2023. If the contractor's proposal is contingent on any schedules, these schedules shall be included in the proposal. The City of Maryville shall be notified 30 days in advance to confirm inspection schedule/order of inspections.

QUALIFICATIONS

The contractor shall submit qualifications for water tank inspections and at least five (5) references for water tank inspections within the past four (4) years.

PROPOSAL EVALUATION/SELECTION

The City of Maryville will evaluate each proposal on its own merits. Factors to be considered during the evaluation and selection of contractor(s) for this work will include, but not be limited to: past experience; documented success of previous programs; awareness of project's issues, opportunities, and constraints; geographic location of proposer and subcontractors. The City of Maryville reserves the right of refusal of any or all proposals submitted. Each contractor shall submit a proposal for the inspection of water tanks of the City of Maryville as specified herein. Each proposal shall include an outline of the contractor's proposed method(s) of inspection, personnel to be employed during the process (including resumes), time required to complete the inspections, a list of utilities for which inspection work has been performed (including tank sizes, utility contacts & telephone numbers) and the tabulated pricing (PROPOSAL SHEET) for performing the work of this contract.

WORK REFERENCE FORM

WORK REFERENCE: _____
(Name of Proposer)

(Address)

OWNER

CONTACT/TELEPH.

PROJECT

2022

- 1. _____
- 2. _____
- 3. _____

2021

- 1. _____
- 2. _____
- 3. _____

2020

- 1. _____
- 2. _____
- 3. _____

2019

- 1. _____
- 2. _____
- 3. _____

Complete and attach to proposal:

PROPOSAL

Project: Water Tank Inspections - 2022
City of Maryville, Tennessee
Water and Sewer Dept.

Submitted To: David Morton, Purchasing Agent at comsealedbid@maryville-tn.gov

Proposal Due Date: October 3, 2022 Time - 2:00 p.m. EDT

Owner: City of Maryville
400 W Broadway Ave, Maryville, Tennessee 37801

General Contractor: _____

Address: _____

Telephone / FAX: _____

License No. _____ Expiration Date: _____

Limitations: _____ Classification: _____

Authorized Representative: _____

Subcontractors (insert craft):

_____: _____

License No. _____ Expiration Date: _____

Limitations: _____ Classification: _____

_____: _____

License No. _____ Expiration Date: _____

Limitations: _____ Classification: _____

_____: _____

License No. _____ Expiration Date: _____

Limitations: _____ Classification: _____