8/26/16
1:45 pm
PH

CITY OF BOLIVAR

Special Session
August 30th, 2016 12:00 p.m.

Notice of open meeting

Notice is hereby given:

The City of Bolivar Board of Aldermen will conduct a Special Session at 345 S Main, Bolivar, MO 65613 on August 30th, 2016 at 12:00 p.m.

Tentative topics include:

1. **Call to Order.**
2. **Discussion and Approve: Bid: Water Tower Maintenance.**
3. **Adjournment.**

Copies of this notice may be obtained by contacting:

Natalie Scrivner, City Clerk
P.O. Box 9
345 S Main
Bolivar, MO 65613
417-326-2489

If you have a need for special accommodation, please notify the City Clerk's Office at least 24 hours prior to this meeting

CALL OF A SPECIAL SESSION MEETING
OF THE CITY OF BOLIVAR BOARD OF ALDERMEN

I, John F. Best, Mayor of the City of Bolivar, Missouri, do hereby call a Special Session Meeting of the Bolivar Board of Aldermen **Tuesday, August 30th, 2016, at 12:00 p.m.** for the purpose of transacting any lawful business that might be brought before said Council at said meeting.

John F. Best
Mayor, City of Bolivar

CITY OF BOLIVAR * SEAL * POLK COUNTY, MISSOURI

ATTEST:

Paula Henderson Deputy City Clerk

Paula Henderson, Deputy City Clerk

Posted: 8/26/16 1:45pm

BID

PROPOSAL OF TMI Coatings, Inc.

(hereinafter called *"Bidder")* organized and existing under the laws of the State of

Minnesota doing business as a corporation. *

To the City of Bolivar, Missouri (hereinafter called "Owner"). In compliance with your Advertisement for Bids, Bidder hereby proposes to perform all work for the completion of to ***"Water Tower Maintenance"*** in strict accordance with the Contract Documents, within the time set forth therein, and at the prices stated below.

By submission of this Bid, each Bidder certifies, and in the case of a joint Bid, each party thereto certifies as to his own organization, that this Bid has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this Bid with any other Bidder or with any competitor.

Bidder hereby agrees to commence work under this contract within ten calendar days following receipt of a Notice to Proceed, and to fully complete the project within the specified consecutive calendar days thereafter.

Completion Date: 90 days from award **No later than 90 days from award!**

Bidder further agrees to pay as liquidated damages, the sum of $100.00 for each consecutive calendar day past completion date until completion.

Bidder acknowledges receipt of the following addenda:

Addendum No. 1 dated August 22, 2016

*Insert *"a corporation", "a partnership", or "an individual"* as applicable.

The total bid for Water Tower Maintenance shall be:
One Hundred Ninety Nine Thousand Four Hundred Fifty Dollars
($ 199,450) lump sum complete in place.

The total bid for Water Tower Maintenance OPTION 1(emblem painting) shall be:
Nine Thousand Five Hundred Dollars
($ 9,500) lump sum complete in place.

Show bid in both words and figures. In case of discrepancy, the amount in words will govern. The above price shall include all labor and materials to cover the finished work for the improvements mentioned above.

Bidder understands that the Owner reserves the right to reject any or all bids and to waive any informality in the bidding.

The bidder further agrees that this bid shall be good and may not be withdrawn for a period of 30 calendar days after the scheduled closing time for receiving bids.

Upon receipt of written notice of the acceptance of this bid, same bidder shall execute the formal contract attached within ten days and deliver a Surety Bond or bonds as required in the General Conditions. The bid guaranty furnished herewith by ~~(Certified Check)~~ (Bid Bond) in the amount of ($ 5% of Amount of Bid) equal to 5% of the lump sum bid price which I understand is to become the property of the owner in the event the contract and bond are not executed within the time set forth as liquidated damages for the delay and additional expense to the owner caused thereby.

Respectfully submitted,

TMI Coatings, Inc.
Contractor

By: Tracy Gliori
Tracy Gliori

Title: President

Attest: Jared Wiese
Secretary Jared Wiese

Address: 3291 Terminal Drive
St. Paul, MN 55121

651-452-6100

SEAL
(If bid is by a corporation)

Tank #1 4813 South 133rd
Tank #2 4751 South 129th

City of Bolivar
Water Tank Cleaning and Inspection Specifications

The contractor will furnish all labor, material, equipment, and insurance necessary to complete the following service to the following tanks:

1. 4813 South 133rd 12*32 21,000 gallons ground storage tank
2. 4749 South 129th Road 12*32 21,000 gallon ground storage tank

**Only ONE tank can be down at once and no longer than three(3) months. Must have a minimum of two weeks in between cleaning of tanks for sampling purposes.

Services needed:
-Mobilization to Bolivar, Mo
-Complete inspections on two (2) water storage tanks listed above in accordance with AWWA and OSHA standards and guidelines
-Weld anchor bolts
-Install safety climb devices on both existing exterior ladders
-Install all required OSHA and AWWA signage to the tank

Inspection Services
The contractor is responsible for inspecting the following items:
1. General site conditions
2. Condition of tank foundation
3. Condition of anchor bolts
4. Condition of manway
5. Condition of Drain valve
6. Temperature and water level alarms
7. Condition of the metal on the exterior of the tank
8. Condition of the ladder
9. Condition of the overflow
10. Condition of the roof hatches
11. Condition of the roof vent
12. Condition of handrail system
13. Condition of the exterior paint system
14. Condition of the interior tank ladder
15. Condition of the roof
16. Condition of the metal on the interior of the tank
17. Condition of the discharge pipe
18. Condition of the interior coating

Inspection report: Inspection report will include the following items:
-Detailed photos of tank deficiencies

-Scope of work
-Recommended pain and material specifications
-Cost estimate of any deficiencies

UNDER NO CIRCUMSTANCES SHALL ANY ADDITIONAL REPAIRS NOT LISTED IN THIS REPORT BE COMMENCED WITHOUT EXPRESS WRITTEN APPROVAL FROM THE CITY OF BOLIVAR, AND THE WATER AND SEWER DIRECTOR!

SECTION 09970 - WATER TANK COATING SYSTEMS

PART 1 GENERAL

1.01 SUMMARY

A. Section Includes:
   1. Work under this section consists of surface preparation, priming and painting necessary to complete work.
   2. Use coating systems specified in this section to finish all water tank components, unless otherwise indicated. Without restricting volume or generality, work to be performed under this section may include, but is not limited to:
      a. Exterior steel
      b. Interior steel

1.02 REFERENCES

A. Publications listed herein are part of this specification to extent referenced.

B. American Society for Testing and Materials:
   1. ASTM D16 Terminology Relating to Paint, Varnish, Lacquer, and Related Products
   2. ASTM D3359 Test Method for Measuring Adhesion by Tape Test
   3. ASTM D4263 Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method.
   4. ASTM D4541 Test Method for Pull Off Strength of Coatings Using Portable Adhesion-Testers
   5. ASTM D1005 Test for determining dry film thickness
   6. ASTM D4417 Test for determining surface profile

C. The Society for Protective Coatings:
   1. SSPC-SP1 Specification for Solvent Cleaning
   2. SSPC-SP2 Specification for Hand Tool Cleaning
   3. SSPC-SP3 Specification for Power Tool Cleaning

4. SSPC-SP5 Specification for White Metal Blast Cleaning
5. SSPC-SP6 Specification for Commercial Blast Cleaning
6. SSPC-SP7 Specification for Brush-Off Blast Cleaning
7. SSPC-SP10 Specification for Near White Metal Blast Cleaning
8. SSPC-SP11 Specification for Power Tool Cleaning to Bare Metal
9. SSPC-PA1 Painting Application Specification
10. SSPC-PA2 Measurement of Dry Paint Thickness with Magnetic Gages
11. SSPC-SP12 Water Jetting

1.03 DEFINITIONS

A. Terms PAINT shall in a general sense have reference to, zinc primers, latex, polyurethane and epoxy type coatings and application of these materials.

B. DRY FILM THICKNESS (DFT): Thickness, measured in mils (1/1000 inch), of a coat of paint in cured state.

1.04 SUBMITTALS

A. Product Data:
   1. Submit manufacturer's literature describing products to be provided, giving manufacturer's name, product name, and product line number for each material.
   2. Submit technical data sheets for each coating, giving descriptive data, curing times, mixing, thinning, and application requirements.
   3. Submit color charts showing manufacturer’s full range of standard colors.

B. Quality Assurance Submittals:
   1. Certificates:
      a. Provide manufacturer's certification that products to be used comply with specified requirements and are suitable for intended application.
      b. Submit listing of not less than 5 of applicator's most recent applications representing similar scope and complexity to Project requirements. List shall include information as follows:
         i) Project name and address
         ii) Name of owner
         iii) Name of contractor
         iv) Name of engineer
         v) Date of completion
         vi)
   2. Manufacturer's Instructions:
      a. Submit manufacturer's installation procedures, if not on product data sheets, which shall be basis for accepting or rejecting actual installation procedures.

1.05 QUALITY ASSURANCE

A. Qualifications:
   1. Provide products from a company specializing in manufacture of coatings with a minimum of 10 years experience.
   2. Applicator shall be trained in application techniques and procedures of coating materials and shall demonstrate a minimum of 2 years successful experience in such application.
      a. Maintain, throughout duration of application, a crew of painters who are fully qualified.
   3. Single Source Responsibility:
      a. Materials shall be products of a single manufacturer.
      b. Provide secondary materials, which are produced or are specifically recommended by coating system manufacturer to ensure compatibility of system.

B. Pre-Installation Meeting:
   1. Schedule a meeting to be held on-site before field application of coating systems begins.
   2. Meeting shall be attended by Contractor, Owner's representative, Engineer, Coating Applicators, and Manufacturer's representative.
   3. Topics to be discussed at meeting shall include:
      a. A review of Contract Documents shall be made and deviations or differences shall be resolved.
      b. Review items such as environmental conditions, surface conditions, surface preparation, application procedures, and protection following application.
      c. Establish which areas on-site will be available for use as storage areas and working area.
   4. Prepare and submit, to parties in attendance, a written report of pre-installation meeting. Report shall be submitted within 3 days following meeting.

1.06 DELIVERY AND STORAGE

A. Packing and Shipping:
   1. Deliver products in manufacturer's original unopened containers. Each container shall have manufacturer's label, intact and legible.

   2. Include on label for each container:
      a. Manufacturer's name
      b. Type of paint
      c. Manufacturer's stock number
      d. Color name and number
      e. Instructions for thinning, where applicable

B. Storage and Protection:
   1. Store materials in a designated protected area, per manufacturer's printed data sheet instructions.

1.07 PROJECT CONDITIONS

A. Environmental Requirements:
   1. Apply coating materials per manufacturer's printed data sheet instructions:

      a. Refer to specific product data sheets for minimum surface temperature requirements. Surface temperatures shall be at least 5 degrees F (15 degrees C) above dew point and in a rising mode.
      b. Provide for proper ventilation using explosion proof equipment. Allow to run 72 hours after interior coating application.
      c. Adequate illumination shall be provided using explosion proof lights and equipment.
      d. Atmosphere shall be free of airborne dust.

1.08 Timeline

A. Project shall be completed within 3 months of bid being awarded by the City of Bolivar.

PART 2 PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

A. This specification lists specific products manufactured by Tnemec Company, Inc. of Kansas City, Missouri. Materials specified herein are cited as minimum standard of quality which will be acceptable.

B. Materials specified herein shall not preclude consideration of equivalent materials. Equivalent materials shall be submitted to Engineer for consideration and shall be made at least ten (10) days prior to the date of bids.
   1. Requests for substitution shall include evidence of satisfactory past performance on water tanks.
   2. Substitutions will not be considered that change number of coats or do not meet specified total dry film thickness.
   3. Contractor shall state in the bid the amount of deduct to use equivalent materials to those specified.

4. Paints for interior wet applications must be listed by NSF International as certified for potable water contact in accordance with ANSI/NSF Std. 61, Section 5, Protective (Barrier) Materials.

2.02 COATING MATERIALS

INDEX

COATING SYSTEMS:

STEEL WATER STORAGE TANKS

STEEL WATER STORAGE TANK

Exterior (base bid)- Epoxy/Polyurethane/Fluoropolymer

Surface Preparation: High pressure water blast all areas with a minimum 3000 – 5000 lbs. psi at the tip at a rate of 3 – 5 gallons/minute, utilizing an orbital tip and TSP detergent additive to remove chalk, loose paint and other contaminants, followed by a clean water rinse. Exterior should be clean and dry before proceeding.

All rusted, abraded and exposed steel shall be Power Tool Cleaned in accordance with SSPC-SP3. All loose paint shall be removed with the same power tools, but remaining, intact primers can be left in place. Feather all edges.

Spot Prime: Apply one coat of Tnemec Series 135 Chembuild to all bare steel surfaces. This coating shall be applied at a dry film thickness of 4.0 to 6.0 mils.

Intermediate Coat: Apply one complete coat of Tnemec Series 1074/1075 Endura Shield II. This coating shall be applied at a dry film thickness of 2.0 to 3.0 mils per coat. Color shall be selected by coating manufacture to ensure enough difference between intermediate coat and top coat.

Finish Coat: Apply one full coat of Tnemec Series 700 Hydroflon to the entire exterior of the tank. This coating shall be applied at a dry film thickness of 2.0 to 3.0 mils per coat. Color shall be selected by Engineer/Owner.

***Test patch is required to ensure adhesion**

Interior – Zinc/Epoxy/Epoxy

Surface Preparation**:** SSPC-SP10/NACE 2 Near-White Metal Blast Cleaning
The removal of all grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter by compressed air nozzle blasting, centrifugal wheels or other specified

method. Discoloration caused by certain stains shall be limited to no more than 5 percent of each unit area. Unit area is approximately 9 in^2 (6400 m^2).

Prime Coat: Apply one full coat of Tnemec Series 91-H20 Hydro-Zinc. This coating shall be applied at a dry film thickness of 2.5 to 3.5 mils per coat.

*TNEMEC SERIES 94-H20 IS APPROVED FOR SUBSTITUTION OF 91-H20

Intermediate Coat: Apply one full coat of Tnemec Series 20 Pota-Pox. This coating shall be applied at a dry film thickness of 2.0 – 6.0 mils per coat. Color shall be 1255 Beige.

Finish Coat: Apply one full coat of Tnemec Series 20 Pota-Pox. This coating shall be applied at a dry film thickness of 2.0 – 6.0 mils per coat. Color shall be 15BL Tank White.

2.03 ACCESSORIES

A. Coating Application Accessories:
   1. Provide application accessories as indicated in coating manufacturer's application instructions, including but not limited to cleaning agents, etching agents, cleaning cloths, sanding materials, and clean-up materials.
   2. Material not specifically identified, but needed for proper application shall be of a quality not less than specified products.

2.04 MIXING Instructions: Specific product mixing and thinning instructions are to be found in the manufacturer's printed data sheets.

PART 3 EXECUTION

3.01 EXAMINATION

A. Site Verification of Conditions:
   1. Examine areas and conditions under which application of coating systems shall be performed for conditions that will adversely affect execution, permanence, or quality of coating system application.
   2. ASTM D4263 Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method.
   3. Correct conditions detrimental to timely and proper execution of Work.
   4. Do not proceed until unsatisfactory conditions have been corrected.
   5. Commencement of installation constitutes acceptance of conditions and responsibility for satisfactory performance.

3.02 PREPARATION

A. Protection:

1. Take precautionary measures to prevent fire hazards and spontaneous combustion. Remove empty containers from site at completion of each day's work.
2. Provide drop cloths, shields, and other protective equipment.
3. Protect elements surrounding work from damage or disfiguration.
4. As Work proceeds, promptly remove spilled, splashed, or splattered materials from surfaces. Leave storage area neat and clean at all times.

B. Surface Preparation:

1. General Requirements:
   a. Prior to application of primer, surfaces shall be prepared to receive specified paintings system in compliance with manufacturer's recommendations and specifications of The Society of Protective Coatings as indicated in Schedule below.
   b. Surfaces to be coated shall be clean, dry and free from dust and any foreign matter which might adversely affect adhesion or appearance.
2. Ferrous Metal Surfaces:
   a. For shop primed surfaces feather edges to make touch-up areas inconspicuous. Field welds and touch-ups shall be prepared to conform to original surface preparation standards.
   b. Shop applied prime coatings which are damaged during transportation, construction or installation shall be thoroughly cleaned and touched up in field. Use repair procedures which insure complete protection of adjacent primer
   c. For surfaces not shop primed, surfaces shall be cleaned in compliance with specifications of The Society for Protective Coatings as indicated in Schedule of Coating Systems of this specification.

3.03 APPLICATION

A. General Requirements:

1. Apply coating systems in compliance with manufacturer's instructions and using application method best suited for obtaining full, uniform coverage and hide of surfaces to be coated.
   a. Work shall be implemented in compliance with applicable sections of AWWA D102 and the latest revisions thereto.
2. Apply primer, intermediate, and finish coats to comply with wet and dry film thicknesses and spreading rates for each type of material as recommended by manufacturer and in accordance with SSPC-PA2.
3. Number of coats specified shall be minimum number acceptable. Apply additional coats as needed to provide a smooth, even application.
   a. Closely adhere to re-coat times recommended by manufacturer. Allow each coat to dry thoroughly before applying next coat.

Provide adequate ventilation for tank interior to carry off solvents during drying phase.

4. Employ only application equipment that is clean, properly adjusted, and in good working order, and of type recommended by coating manufacturer.
5. After surface preparation, spot primer on interior weld seams shall be brush applied.

B. Thinning: Thinning requirements for specified products are to be found in the paint manufacturer's printed data sheets and are to be strictly adhered to.

C. Disinfection and Filling of Tank:

1. Provide adequate ventilation for proper drying of paint on interior surfaces and which will remove solvent vapors.
2. Following final application, tank shall not be disinfected or filled until coating system is fully cured.
3. Refer to applicable product data sheet(s) for dry time/temperature requirements. Disinfection (if specified) shall be in compliance with AWWA C652, or as instructed by Engineer.

D. Interface with Other Work:

1. Allow a minimum of seven days curing time after application of final coat to tank interior before flushing, disinfecting or filling with water.

3.04 REPAIR/RESTORATION

A. At completion of Work, touch-up and restore finishes where damaged.

B. Defects in Finished Surfaces:

1. When stain, dirt, or undercoats show through final coat, correct defects and cover with additional coats until coating is of uniform finish, color, appearance and coverage.

C. Touch-up of minor damage shall be acceptable where result is not visibly different from surrounding surfaces. Where result is visibly different, either in color, sheen, or texture, recoat entire surface.

3.05 FIELD QUALITY CONTROL

A. Inspector's Services:

1. Documents:
   a. Review Contract Documents and applicable sections of referenced standards.
2. Field Painting Inspection:
   a. Verify cleaning operations to surfaces are to condition specified.
   b. Verify conformance of paint to specification.
   c. Check for thickness of each coating, final thickness and holidays.

d. Check touch-up for final finish.
e. Contractor will have both wet and dry film gauges onsite for inspector's use.

3. Reports:
a. Submit written progress reports describing inspections made and showing action taken to correct non-conforming work. Report uncorrected deviations from Contract Documents.

B. Manufacturer's Service:
1. A representative of the paint manufacturer shall be available to provide on-site technical assistance, and guidance for application of the paint system as needed.

3.06 PROTECTION

A. Protect painted areas against damage until paint system is fully cured

3.07 WASTE MANAGEMENT

A. General Requirements:
1. Place materials defined as hazardous or toxic waste in designated containers.
2. Return solvent and oil soaked rags for contaminant recovery and laundering or for proper disposal.
3. Do not dispose of paints or solvents by pouring on ground. Place in designated containers for proper disposal.

B. Containment/Disposal Requirements:
1. Surface Preparation Debris Containment:
a. When required by federal, state or local regulation, entire tank and structure shall be enclosed and surface preparation debris contained.
b. Refer to SSPC 61 Guide for Containing Debris Generated during Paint Removal Operations.
2. Disposal of Surface Preparation Debris:
a. Refer to SSPC 71 Guide for the Disposal of Lead-Contaminated Surface Preparation Debris.
b. Surface preparation debris shall be disposed of in compliance with applicable federal, state and local regulations.
3. Containment/Disposal Costs:
a. Painter shall be responsible for costs associated with containment and waste disposal that may result from execution of this Project.

3.08 ONE YEAR ANNIVERSARY INSPECTION

A. Owner shall set a date for a one year inspection.

B. Inspection will be attended by a owner's representative, engineer, and painting contractor.

C. Any deficiencies in the coatings system will be repaired at the contractor's expense.

4.0 CITY OF BOLIVAR EMBLEM PAINTING OPTION 1

a. During the painting of the tanks, the City of Bolivar Logo will be painted on the side of the tank. Size shall be 11 feet wide by 4 feet tall. Logo shall be specified by the City, to include minimum 3(three) colors.

3.09 END OF SECTION