

ADDENDUM NO. 1

To The

REQUEST FOR PROPOSALS

For

ASSET MANAGEMENT AND FULL SERVICE MAINTENANCE

For

WATER STORAGE TANKS RFQ/P # 2024T42

TOWN OF ALTAVISTA, VA

ADDENDUM NO. 1 ITEMS:

1. **REVISE** the due date and time for receipt of proposals to August 20, 2024, 10:00 am (local time). Location remains the same.
2. **REPLACE** the full RFP with the attached RFP. A brief summary of the changes are as follows:
 - A. Schedule and pricing document is not to be submitted with the initial proposal. Short-listed firms will be required to submit this document later.
 - B. Evaluation criteria has been revised.

TOWN OF ALTAVISTA

REQUEST FOR PROPOSALS

For

ASSET MANAGEMENT AND FULL SERVICE MAINTENANCE

For

WATER STORAGE TANKS RFQ/P # 2024T42

Issue Date: March 27, 2024
Revised April 16, 2024 by Addendum No. 1

Due Date and Time: August 20, 2024, 10:00 am (local time)

Send Proposals To: Town of Altavista, Virginia
Department of Public Services
510 7th Street
P. O. Box 420
Altavista, Virginia 24517

Inquiries: Paul Hill
Assistant Director of Public Services
(434) 369-5001 Ext. 140
pPhill@altavistava.gov

ADVERTISEMENT

Town of Altavista will receive Proposals from qualified firms to contract for a 10-year long-term, full-service maintenance and asset management program for the Town's four potable water storage tanks (ranging from 300,000 gallons to 1,500,000 gallons in size until 10:00 A.M. EST on May 13, 2024. The Town plans to award the contract for this work on the basis of competitive negotiation with the most qualified firms consistent with the Virginia Public Procurement Act Section 2.2-4300.

Parties interested in this Request for Proposals may obtain a copy of the RFP from **Town of Altavista** by contacting Mr. Paul Hill at (434) 369-5001 Ext. 140 or from the Town's website: <http://www.altavistava.gov/> . All information outlined in the Request for Proposal, along with any other pertinent facts necessary for a proper evaluation of this Proposal, should be delivered to **Town of Altavista** prior to the hour and date above designated.

Four bound and typewritten copies of the proposal shall be presented in a sealed envelope per instructions on the Request for Proposal. All information regarding opening date, description of the Proposal and RFP number must be listed on the outside of the envelope.

The Town reserves the right to waive formalities in any Proposal and to reject any or all Proposals in whole or in part with or without cause and/or to accept the Proposal that in its judgment will be in the best interest of **Town of Altavista**.

1.0 PURPOSE

It is the express intent of the Town of Altavista to procure a fully qualified firm to implement an Asset Management Program which includes: engineering, management, GASB 34 compliance as alternate method of asset management, inspection, rehabilitation, repair, bio-film washouts, visual inspections and repainting of four (4) water tanks in the system. The selected firm shall have the ability to provide water quality services to include bio-film removal, active mixing and other smart water solutions.

2.0 SCOPE OF WORK

The contractor shall perform all required work and shall provide and furnish all labor, supervision, materials, necessary tools, expendable equipment, utility and transportation services and all else required to complete this work in accordance with the General Terms and Conditions, Special Conditions and project specifications; including any and all Addenda.

The Proposal shall address all of the information outlined herein. Additionally, each prospective firm may include such other information as the firm deems pertinent to the proper evaluation of their Proposal. Each firm is responsible for testing the current materials in place on the tanks for hazardous content. All work must comply with OSHA Confined Space Entry, VA Department of Health and Human Services, AWWA, and NSF Regulations. Proposals will be considered, and should be written to provide the contracted maintenance of the following tanks:

Tanks	Address	Capacity
Bedford GWST	1204 Bedford Ave	750,000 Gallons
Clarion GWST	200 Clarion Rd	750,000 Gallons
Dearing Ford EWST	2537 Dearing Ford Rd	300,000 Gallons
Melinda Tank 1 GWST	1618 Melinda Dr	1,500,000 Gallons

It is the responsibility of each prospective firm interested in this Proposal to inspect the tanks prior to the submission of their Proposal. Contact Mr. Paul Hill, Assistant Director of Public Services, at (434) 369-5001 Ext 140 to make inspection of the tanks. See "Full Service Maintenance Program" Scope of Work in this RFP for additional requirements.

The tanks renovation specifications, repairs, and routine maintenance and inspections outlined in this RFP must be strictly adhered to. The Firm shall not be allowed to deviate from these specifications. This includes surface preparation, coating selection, coating application, tanks repairs, scheduled bio-film washout and engineering inspections, and preventive maintenance. The Town may, through negotiation process, consider alternative coating systems that have a longer life span between coating applications. The pricing submitted in the proposal shall be based on the system specified, however.

The renovation projects, routine maintenance, inspections, and evaluations outlined in the "Schedule of Work" must be completed in accordance with the specified timeframe. All maintenance program costs must be calculated with the completion deadline of these projects in mind.

3.0 PROPOSAL REQUIREMENTS

ITEMS TO BE ADDRESSED IN THE PROPOSAL

The details of this Proposal shall include information on all the following items. Additionally, each prospective firm may submit such other information—as deemed appropriate—for the proper evaluation of their Proposal.

- A. Cover Letter - Introductory letter on company letterhead, highlighting firm's overall qualifications. Letter shall be signed by the person with the corporate authority to enter into contracts.
- B. Firm Overview - Narrative introducing the firm and its overall capabilities with regard to work associated with the requirements of this RFP.
- C. Company Profile - This section should highlight firm history, years in business, service areas, office locations, and firm's financial capabilities. Include the followings:
 - i. Experience with tank maintenance and asset management systems. Illustrate firm's compliance with GASB 34.
 - ii. Firm organizational structure (Organizational Chart).
 - iii. Firm's financial strength and stability.
- D. Key Personnel and technical resources available for this project, including:
 - i. Engineering personnel (or subconsultant) to be utilized. A licensed professional in the state of Virginia shall be utilized for engineering work.
 - ii. Crews available to work on this project, including inspectors, washout crews, painting crews, and repair/service crews. List associated certifications of personnel (NACE, SSPC, etc.).
 - iii. Equipment available for use on this project.
 - iv. Service centers available and proximity to Town.
 - v. Overall Project Management Personnel.
 - vi. Any subcontractors/subconsultants needed to complete work.
- E. Asset Management software and database overview, capabilities, and use of such on this project.
- F. Evidence that the insurance requirements listed in this RFP can be met. The Town of Altavista must be named as an additional insured. Insurance shall also cover errors and omission in the performance of engineering duties.
- G. Safety, health, and quality assurance information – include overview of policies, planning, PPE information, training, and company programs utilized. Include ISO 9001 certification, and how AWWA standards will be met with regard to work.
- H. Overall Project Approach – Provide approach for the following:
 - i. Asset Management – Company approach to managing assets and any associated risk, including the core asset management components utilized for the company's asset maintenance program.

- ii. Tank Maintenance Program – Provide approach to regular and systematic tank services, visual assessments, washout assessments, ROV interior inspections, exterior and interior tank renovations, emergency services, waste management plan, mixing systems, and site management.
- I. Past Performance – Provide up to twenty (20) past projects where similar services were performed. Show Virginia projects where applicable. Furnish references with contact information.
- J. Pricing – The schedule and pricing document shall not be provided with the initial proposal submitted.

4.0 EVALUATION CRITERIA

Selection of the offerors deemed to be most qualified shall be based on a weighted scale, using the following minimum selection criteria:

1. Experience and Qualifications – 40%
2. Project Understanding and Approach – 25%
3. Past Performance – 35%

Following receipt of proposals, an Evaluation Committee will evaluate each responsive proposal with respect to the Evaluation Criteria and score each proposal numerically. The proposals will be ranked based on scores, and selection shall be made of the top two (2) or more offerors. Repetitive informal interviews may be held, where the offerors may be asked to elaborate on their qualifications, performance data, staff expertise, or other pertinent factors associated with the work. At this time, each offerer shall provide to the Town a list of any exceptions to the proposed contractual terms and conditions of the RFP. In addition, each short-listed offeror shall fill out the schedule and pricing document in this RFP. Work schedule and pricing shall contemplate future escalations of costs associated with labor, equipment, and materials. Document shall be submitted to the Town at a time as determined by the Town.

Upon completion of the discussions, the Town shall select the offerer which, in its opinion, has made the best proposal and provides the best value, and shall award the contract to that offerer.

5.0 GENERAL TERMS AND CONDITIONS

5.1 Opening Date and Time:

Sealed Proposals for performing the work will be received by the purchasing agent at the time and place listed on the first page of this invitation. No telephonic or fax Proposals will be accepted. Proposals and amendments thereto, or withdrawal of proposals submitted, if received by the Town after the date and time specified for scheduled receipt, will not be considered. It will be the responsibility of the proposer to see that his proposal is in this office by the specified time and date. There will be no exceptions. Date of postmark will not be accepted.

5.2 Inconsistencies in Conditions:

In the event there are inconsistencies between the General Terms and Conditions, and the Special Conditions and Specifications, the latter two shall take precedence.

5.3 Clarifications of Terms:

If any prospective proposer has questions about the specifications or other solicitation documents, the prospective proposer should contact Paul Hill at 434-369-5001 Ext. 140. Any revisions to the solicitation will be made only by addendum issued by the Town.

5.4 Default:

In the event of default by the contractor, the Town reserves the right to procure the services from other sources and hold the Contractor liable for any excess cost occasioned thereby. The Town also reserves the right to void this contract at any time due to negligence or failure to perform of the contractor.

5.5 Ethics in Public Contracting:

By submitting a proposal, each proposer certifies that its proposal is made without collusion or fraud and that it has not offered or received any kickbacks or inducements from any public employee having official responsibility for this procurement transaction, any payment, loan subscription, advance, deposit or money, services, present or promised unless consideration of substantially equal or greater value was exchanged.

5.6 Anti-Discrimination:

By submitting a proposal, each proposer certifies to the Town that it will conform to the provisions of the Federal Civil Rights Act of 1964, as amended as well as the Virginia Fair Employment Act of 1975, as amended.

5.7 Employment Discrimination Prohibited:

During the performance of this agreement, the Service Provider agrees it will not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, age, disability, or other basis prohibited by state law relating to discrimination in employment, except where there is a bona fide occupational qualification reasonably necessary to the normal operation of the Service Provider, and further agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause and further agrees to include in all solicitations or advertisements for employees by or on behalf of the Service Provider to state that the Service Provider is an equal opportunity employer.

During the performance of this agreement, the Service Provider does not, and agrees that it shall not during the performance of this agreement knowingly employ an unauthorized alien as defined in the federal Immigration Reform and Control Act of 1986.

During the performance of this agreement, the Service Provider agrees not to discriminate against any faith-based organization on the basis of the organization's religious character or impose conditions that either restrict the religious character of the faith-based organization or impair, diminish, or discourage the exercise of religious freedom in procuring goods or services on in making disbursements.

5.8 Immigration Reform and Control Act of 1986:

By signing this Proposal, the proposer certifies that it does not and will not during the performance of this contract; violate the provisions of the Federal Immigration Reform and Control Act of 1986, which prohibits employment of illegal aliens.

5.9 Indemnity:

The following shall be deemed included as a condition of any contract awarded as a consequence of this proposal; Contractor and all subcontractors shall bear all loss, expense (including reasonable attorney's fees) and damage in connection with, and shall indemnify Owner against and save Owner harmless from all claims, demands, and judgments made or recovered against Owner because of bodily injuries, including death at any time resulting therefrom, and/or because of damage to property, from any cause whatsoever, arising out of, incidental to, or in connection with the work, whether or not due to any act or omission of commission, including negligence but excluding sole negligence, of the Owner, his employees, servants, or agents. Compliance by the Contractor with the insurance provisions hereof shall not relieve Contractor from liability under this provision.

5.10 Insurance Requirements:

Insurance coverage specified herein constitutes the minimum requirements and said requirements shall in no way lessen or limit the liability of the Firm under the terms of the Contract. The Firm shall procure and maintain at their own expense any additional kinds and amounts of insurance that, in their own judgment, may be necessary for their proper protection in the prosecution of the work. The Firm shall carry insurance as prescribed herein and all policies shall be with companies satisfactory to **Town of Altavista**.

If a part of this Contract is sublet, the Firm shall require each sub-firm to carry insurance of the same kinds and in like amounts as carried by the prime Firm.

The Contractor shall provide insurance coverage as follows:

- a. Workman's Compensation as required by Virginia Statutes for benefit of contractor's employees;
- b. Commercial General Liability Insurance with a \$2,000,000 per occurrence bodily injury or property damage. Certificates of insurance will be required when the contract is awarded.
- c. Motor Vehicle Insurance with a \$2,000,000 for personal injury and \$100,000 for property damage.
- d. Pollution Liability which shall cover Pollution Liability in amounts of at least \$10,000,000.
- e. Contractor's Professional Liability which shall cover Contractors Professional Liability in amounts of at least \$2,000,000.
- f. Umbrella Liability: Umbrella or Excess Liability policy in amounts of at least \$20,000,000 shall be provided.

Certificates of insurance shall state that thirty (30) days written notice will be given to the Town before the policy is canceled or non-renewed. No Firm or sub-firm will be allowed to start any work on this contract until certificates of all insurance required herein are filed and approved by Town Officials. The certificates shall show the type, amount, class of operations covered, effective dates, and the dates of expiration of policies. In addition, the certificates shall name **Town of Altavista** as additional insured. The Firm shall secure and maintain in effect for the period of the Contract and pay all premiums for the following kinds of insurance.

5.11 Drug Free Workplace:

During the performance of this agreement, the Service Provider agrees to (i) provide a drug-free workplace for the Service Provider's employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana is prohibited in the Service Provider's workplace and specifying the actions that will be taken against employees for violations of such prohibition; (iii) state in all solicitations or advertisements for employees placed by or on behalf of the Service Provider that it maintains a drug-free workplace; and (iv) include the provisions of the foregoing clauses in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontractor or vendor.

6.0 SPECIAL CONDITIONS

6.1 Any permits, approvals, etc. required by the **State of Virginia** to accomplish all current and future work shall be the responsibility of the successful proposer.

6.2 Each proposer shall submit a formal **Safety Program** stating company policy on all safety procedures. Document procedures to include workers protection, confined space, and general safety procedures.

6.3 Compliance with Regulations:

The Contractor shall give all notices and comply with all laws, ordinances, rules and regulations bearing on the conduct of the work. If the Contractor performs any work knowing it to be contrary to such laws, ordinances, rules or regulations, and without such notice to the Town, the firm shall bear all costs arising therefrom.

6.4 Protection of Work, Property and Persons:

The Contractor shall adequately protect the work, adjacent property, and the public and shall be responsible for any damage or injury caused by him or his authorized agent's act or neglect.

6.5 Inspection of Work:

The Contractor shall at all times permit and facilitate inspection of the work by authorized representatives of the Town.

6.6 Quality Control:

Hold-Point Inspections: A NACE Level 3 Certified Coating Inspector from the paint manufacturer shall visit the job site to climb the tanks and to support the Contractor's personnel or the Owner as needed and/or requested. Visits shall be made on a weekly basis as a minimum or as needed to review hold points for the Owner. Additional visit shall be made as needed and/or requested by Owner or Contractor. 48 hours' notice is required by the Contractor for each hold point inspection.

Pre-Paint Meeting: All parties, to include the owner or owners' representative, maintenance contractor's representative, the subcontractor's lead personnel and the manufacturers NACE Certified Representative shall meet prior to any work is started to review the spec and discuss job specific expectations, needs and requirements.

Contractor should be committed to quality performance and have a documented quality program. A ISO 9001:2015 certification is preferred.

**TOWN OF ALTAVISTA
FULL SERVICE MAINTENANCE PROGRAM
SCOPE OF WORK**

Visual Inspection Service-(Per "Schedule of Work and Pricing")

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tanks comply with all federal and state regulations.
5. Maintain as per the maintenance program.

Chemical Clean Washout Inspection Service-(Per "Schedule of Work and Pricing")

1. NSF Approved Chemical Bio Film Removal
2. Bio-film Washout, disinfect and inspect the tanks.
3. Any needed repairs/touchup.
4. Provide emergency repair service.
5. Ensure Tanks complies with all federal and state regulations.
6. Maintain as per the maintenance program
7. Provide the required bacteriological testing before the tank is put back in service.
8. Within 36 hours of a successful bacteriological test, the tank must be placed back into service.

Exterior Renovations (Per "Schedule of Work and Pricing")

1. Exterior overcoat specification listed below applies to all tanks four (4) tanks in the Town of Altavista's system. If there is a second paint cycle in the Schedule of Work on page 18/19, this coating system applies to both paint cycles.
2. Repairs as needed per Engineering Report and by the Town of Altavista.

Interior Renovations (Per "Schedule of Work and Pricing")

1. Interior specification listed below applies to all interior renovation cycles and all five (4) tanks in the Town of Altavista's system. No exceptions.
2. Repairs as needed per Engineering Report and by the Town of Altavista.

TOWN OF ALTAVISTA
WATER TANK MAINTENANCE
REPAINTING & COATING SPECIFICATION

PART 1 - GENERAL

1.01 SCOPE

- A. The work of this section includes the surface preparation and painting of all surfaces related to the painting and coating of elevated or standpipe water storage tanks for the Town of Altavista.

1.02 REFERENCE SPECIFICATIONS AND STANDARDS

- A. Without limiting the general aspects of other requirements of these specifications, all surface preparation, coating and painting of surfaces shall conform to the applicable requirements of the Steel Structures Painting Council and the manufacturer's printed instructions.
- B. The Owner's decision shall be final as the interpretation and/or conflict between any of the referenced specifications and standards contained herein.

1.03 QUALITY ASSURANCE

- A. General: Quality assurance procedures and practices shall be utilized to monitor all phases of surface preparation, application, and inspection throughout the duration of the project. Procedures or practices not specifically defined herein may be utilized provided they meet recognized and accepted professional standards and are approved by the Owner in writing prior to implementation.
- B. Surface Preparation: Surface preparation will be based upon comparison with: "Pictorial Surface Preparation Standards for Painting Steel Surfaces", SSPC-Vis-1 and ASTM Designation D2200; "Standard Methods of Evaluating Degree of Rusting on Painted Steel Surfaces" SSPC-Vis-2 and ASTM Designation D610; "Visual Standard for Surfaces of New Steel Airblast Cleaned with Sand Abrasive" or "Guideline for Selecting and Specifying Concrete Surface Preparation for Sealers, Coating and and Polymer Overlays" and ICRI CSP Surface Profile Chips.
- C. Application: No coating or paint shall be applied when the surrounding air temperature or the temperature of the surface to be coated is below the minimum required temperature for the specified product; to wet or damp surfaces or in fog or mist; when the temperature is less than 5 degrees F above the dewpoint; when the air temperature is expected to drop below 40 degrees F within six hours after application of coating; or when the temperature of the surfaces to be coated is below 40 degrees F or above 110 degrees F. Dewpoint shall be measured by use of an instrument such as a Sling Psychrometer in conjunction with U.S. Department of Commerce Weather Bureau Psychrometric Tables. If above conditions are prevalent, coating or painting shall be delayed or postponed until conditions are favorable. The day's coating or painting shall be completed in time to permit the film sufficient drying time prior to damage by atmospheric conditions.
- D. Thickness and Holiday Checking: Following application of each coating in the specified system and curing of such coating, thickness of coatings and paint shall be checked with a non-destructive, magnetic type thickness gauge. To all surfaces having a dry film thickness less than specified, apply additional coat(s) at no additional cost to the owner to meet the dry film thickness specification requirements. All test reports

shall be submitted to and approved by the owner prior to proceeding with the next coat. The integrity of coated interior surfaces shall be tested with an approved inspection device. Non-destructive holiday detectors shall not exceed the voltage recommended by the manufacturer of the coating system. For thicknesses between 10 and 20 mils (250 microns and 500 microns), a non-sudsing type wetting agent, such as Kodak Photo-Flo, may be added to the water prior to wetting the detector sponge. All pinholes shall be marked, repaired in accordance with the manufacturer's printed recommendations, and retested. No pinholes or other irregularities will be permitted in the final coating.

- E. Inspection Devices: The Contractor shall furnish, until final acceptance of coating and painting, inspection devices in good working condition for detection of holidays and measurement of dry-film thickness of coating and paint. The contractor shall also furnish U.S. Department of Commerce; National Bureau of Standard certified thickness calibration plates to test accuracy of dry film thickness gauges and certified instrumentation to test accuracy of holiday detectors.
- F. All necessary testing equipment shall be made available for the Owner's use at all times until final acceptance of application. Holiday detection devices shall be operated in the presence of the Owner.

1. 04 SAFETY AND HEALTH REQUIREMENTS

- A. General: In accordance with requirements set forth by regulatory agencies applicable to the construction industry and manufacturer's printed instructions and appropriate technical bulletins and manuals, the Contractor shall provide and require use of personnel protective lifesaving equipment for persons working on or about the project site.
- B. Head and Face Protection and Respiratory Devices: Equipment shall include protective helmets, which shall be worn by all persons while in the vicinity of the work. In addition, workers engaged in or near the work during sandblasting shall wear eye and face protection devices and air purifying halfmask or mouthpiece respirators with appropriate filters. Barrier creams shall be used on any exposed areas of skin.
- C. Ventilation: Where ventilation is used to control hazardous exposure, all equipment shall be explosion-proof. Ventilation shall reduce the concentration of air contaminant to the degree a hazard does not exist. Air circulation and exhausting of solvent vapors shall be continued until coatings have fully cured.
- D. Sound Levels: Whenever the occupational noise exposure exceeds maximum allowable sound levels, the Contractor shall provide and require the use of approved ear protective devices.
- E. Illumination: Adequate illumination shall be provided while work is in progress, including explosion-proof lights and electrical equipment. Whenever required by the Owner, the Contractor shall provide additional illumination and necessary supports to cover all areas to be inspected. The Owner shall determine the level of illumination for inspection purposes.
- F. Confined Space: When applicable it is mandatory that all work be performed in compliance with OSHA'S rules and regulations for working in confined space. Atmospheres within confined spaces as defined by the Occupational Safety and Health Administration are classified as being either a Class A, Class B or Class C environment.

PART 2 - PRODUCTS

2.01 GENERAL

- A. Materials specified are those that have been evaluated for the specific service. Products of the Tnemec Co. are listed to establish a standard of quality. Equivalent materials of other manufacturers may be substituted upon written approval of the owner.

Requests for substitution shall include manufacturer's literature for each product giving the name' product number, generic type, descriptive information, solids by volume, recommended dry film thickness and certified test reports showing results to equal the performance criteria of the products specified herein. No request for substitution shall be considered that will decrease film thickness or offer a change in the generic type of coatings specified. In addition, a list of five similar projects shall be submitted in which each product has been used and rendered satisfactory service.

Requests for product substitution shall be made at least twenty (20) days prior to proposal due date.

Manufacturer's color charts shall be submitted to the owner at least 20 days prior to paint application. General contractor and painting contractor shall coordinate work so as to allow sufficient time (five to ten days) for paint to be delivered to the jobsite.

- B. All materials shall be brought to the jobsite in original, sealed containers. They shall not be used until the Owner has inspected contents and obtained data from information on containers or labels. Materials exceeding storage life recommended by the manufacturer shall be rejected.
- C. All coatings and paints shall be stored in enclosed structures to protect them from weather and excessive heat or cold. Flammable coatings or paint must be stored to conform to Town, County, State and Federal safety codes for flammable coating or paint materials. At all times, coating and paints shall be protected from freezing.
- D. A NACE certified technical representative from the paint manufacturer shall visit the job site to support the Contractor's personnel, the Owner and/or the Owner as needed and/or requested. Visits shall be made on a weekly basis as a minimum or as needed to review hold points for the Owner. Additional visits shall be made as needed and/or requested by Owner or Contractor. 48 hours' notice is required by the Contractor for each hold point inspection.
- E. Coating Systems

INTERIOR TANK COATING SYSTEM

Surface Preparation: SSPC-SP10/NACE 2 Near White Metal Blast Cleaning. After surface preparation and prior to painting or after priming, all unwelded seams will be filled with Tnemec Series 215 Surfacing Epoxy. The surface shall be clean and dry before painting. **Note, if wax (grease) is present in the tank, use extraordinary preparation methods, including but not limited to the following, will be required: scrape and remove wax with hand tools, steam and/or detergent clean, inspect surfaces with a UV light to detect the presence of any remaining hydrocarbons, if present repeat the cleaning process. Once the grease/wax lining has been removed, abrasive blast clean to remove all mill scale, rust, paint, oxides, corrosion products, and other foreign matter in accordance with SSPC-SP 10/NACE 2. Create a blast profile in accordance with the Coating Manufacturer's recommendations. SSPC- SP11 may be used for small areas (less than one square foot).**"

1st Coat: Tnemec Series 1220 Epoxy @ 6.0 – 8.0 dry mils.
Approved Thinner: Cool, clean tap water

Stripe Coat: Tnemec Series 1220 Epoxy @ 6.0 – 8.0 dry mils.
Approved Thinner: Cool, clean tap water

2nd Coat: Tnemec Series 1220 Epoxy @ 6.0 – 8.0 dry mils.
Approved Thinner: Cool, clean tap water

Total dry film thickness shall be 12.0 – 16.0 dry mils minimum per SSPC dry film thickness measuring standards.

EXTERIOR TANK COATING SYSTEM (OVERCOAT SYSTEM) – MELINDA DR, BEDFORD RD & CLARION TANKS

Surface Preparation: Power wash the surface with 4,000 PSI using a rotating turbo nozzle to remove all loose paint, loose rust, dirt, dust, mildew and all other foreign matter. Follow cleaning with SSPC-SP3 Power Tool Cleaning using a vacuum attachment to all rusted and abraded areas. All surfaces where the exterior finish coat is cracked shall also be cleaned with the same SSPC-SP3 Power Tool using vacuum attachments to remove all poorly adhered finish coat. Feathering smooth the edges of all tightly adhered existing paint so they do not lift when painted over. The surface shall be clean and dry before painting. Spot prime all rusted, abraded, and bare metal areas with Series 135 Chembuild applied at 3.0 – 5.0 dry mils.

1st Coat: Tnemec Series 27 FC Typoxy @ 3.0 – 5.0 dry mils.
Approved Thinner: 41-60 or 41-4 Thinner.

2nd Coat: Tnemec Series 72 Endura-Shield @ 2.0 – 3.0 dry mils.
Approved Thinners: 41-49 Thinner.

Lettering / Logo: Two coats Tnemec Series 72 shall be used for the lettering/ logo applied at a dry film thickness of 2.0 – 3.0 per coat. Lettering / Logo to be decided by Town of Altavista and may or may not be same as existing.

Calking: Fill all gaps between the concrete foundation and the bottom plates of the steel tank with Series 265. Overlap 1/8 inch on both sides of the gap.

Concrete Foundation: The concrete foundation shall be cleaned and shall receive one coat of Series N69 Hi-Build Epoxoline II at 4.0 – 6.0 dry mils.

EXTERIOR TANK COATING SYSTEM (OVERCOAT SYSTEM) – DEARING FORD TANK

Surface Preparation: Power wash the surface with 4,000 PSI using a rotating turbo nozzle to remove all loose paint, loose rust, dirt, dust, mildew and all other foreign matter. Follow cleaning with SSPC-SP3 Power Tool Cleaning using a vacuum attachment to all rusted and abraded areas. All surfaces where the exterior finish coat is cracked shall also be cleaned with the same SSPC-SP3 Power Tool using vacuum attachments to remove all poorly adhered finish coat. Feathering smooth the edges of all tightly adhered existing paint so they do not lift when painted over. The surface shall be clean and dry before painting. Spot prime all rusted, abraded, and bare metal areas with Tnemec 37H Chem-Prime HS applied at 2.0 – 3.5 dry mils.

1st Coat: Tnemec 37H Chem-Prime HS @ 2.0 – 3.5 dry mils.

2nd Coat: Tnemec Series 43-36 Chrome Aluminum @ 1.0 – 3.0 dry mils.

PART 3 – EXECUTION

3.01 GENERAL

- A. All surface preparation, coating and painting shall conform to applicable standards of the Steel Structures Painting Council, and the manufacturer's printed instructions. Material applied prior to approval of the surface by the Owner shall be removed and reapplied to the satisfaction of the Owner at the expense of the Contractor.

- B. All work shall be performed by skilled craftsmen qualified to perform the required work in a manner comparable with the best standards of practice. Continuity of personnel shall be maintained, and transfers of key personnel shall be coordinated with the Owner.
- C. The Contractor shall provide an English speaking supervisor at the work site during cleaning and application operations. The supervisor shall have the authority of sign change orders, coordinate work, and make decisions pertaining to the fulfillment of the contract.
- D. Dust, dirt, oil, grease or any foreign matter that will affect the adhesion or durability of the finish must be removed by washing with clean rags dipped in an approved cleaning solvent and wiped dry with clean rags.
- E. The Contractor's coating and painting equipment shall be designed for application of materials specified and shall be maintained in first class working condition. Compressors shall have suitable traps and filters to remove water and oils from the air. Contractor's equipment shall be subject to approval of the Owner.
- F. Application of the first coat shall follow immediately after surface preparation and cleaning and before rust bloom or flash rusting occurs. Any cleaned areas not receiving first coat within this period shall be recleaned prior to application of first coat.

3.02 SURFACE PREPARATION

- A. The latest revision of the following surface preparation specifications of the Steel Structures Painting Council shall form a part of this specification:
 - 1. Solvent Cleaning (SSPC-SP1): Removal of oil, grease, soil and other contaminants by use of solvents, emulsions, cleaning compounds, steam cleaning or similar materials and methods which involve a solvent or cleaning action.
 - 2. Hand Tool Cleaning (SSPC-SP2): Removal of loose rust, loose mill scale and other detrimental foreign matter to degree specified by hand chipping, scraping, sanding and wire brushing.
 - 3. Power Tool Cleaning (SSPC-SP3): Removal of loose rust' loose mill scale and other detrimental foreign matter to degree specified by power wire brushing, power impact tools or power sanders.
 - 4. Brush-Off Blast Cleaning (SSPC-SP7/NACE 4): Brush-off blast cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust, and loose coating. Tightly adherent mill scale, rust, and coating may remain on the surface. Mill scale, rust, and coating are considered tightly adherent if they cannot be removed by lifting with a dull putty knife after abrasive blast cleaning has been performed.
 - 5. Commercial Blast Cleaning (SSPC-SP6/NACE 3): Blast cleaning until at least 66 percent of each element of surface area is free or all visible residues.
 - 6. Near White Blast Cleaning (SSPC-SP10/NACE 2): Blast cleaning to nearly white metal cleanliness, until at least 95 percent of each element of surface area is free of all visible residues.
 - 7. Surface Preparation of Concrete (SSPC-SP13/NACE 6): This standard gives requirements for surface preparation of concrete by mechanical, chemical, or thermal methods prior to the application of bonded protective coating or lining systems.
 - 8. Power Tool Cleaning to Bare Metal (SSPC-SP11): This standard covers the requirements for power tool cleaning to produce a bare metal surface and to retain or produce a minimum 25 micrometer (1.0

mil) surface profile. This standard is suitable where a roughened, clean, bare metal surface is required, but where abrasive blasting is not feasible or permissible.

- B. Blast cleaning for all surfaces shall be by dry method unless otherwise directed.
- C. Particle size of abrasives used in blast cleaning shall be that which will produce a 1.5 – 2.0 mil (37.5 microns - 50.0- microns) surface profile or in accordance with recommendations of the manufacturer of the specified coating or paint system to be applied.
- D. Abrasive used in blast cleaning operations shall be new, washed, graded and free of contaminants that would interfere with adhesion of coating or paint and shall not be reused unless specifically approved by the Owner.
- E. During blast cleaning operations, caution shall be exercised to insure that surrounding existing coatings or paint are not exposed to abrasion from blast cleaning.
- F. The Contractor shall keep the area of his work and the surrounding environment in a clean condition. He shall not permit blasting materials to accumulate as to constitute a nuisance or hazard to the accomplishment of the work, the operation of the existing facilities, or nuisance to the surrounding environment.
- G. Blast cleaned surfaces shall be cleaned prior to application of specified coatings or paint. No coatings or paint shall be applied over damp or moist surfaces.
- H. Specific Surface Preparation: Surface preparation for the specific system shall be as noted in Section 2.01 Paragraphs E.

3.03 APPLICATION, GENERAL

- A. Coating and paint application shall conform to the requirements of the Steel Structures Painting Council Paint Application Specification SSPC-PA1, latest revision, for "Shop, Field and Maintenance Painting," and the manufacturer of the coating and paint materials.
- B. Thinning shall be permitted only as recommended by the manufacturer approved by the Owner, and utilizing the thinners stated in Section 2.01 Paragraphs E.
- C. Each application of coating or paint shall be applied evenly, free of brush marks, sags, runs, with no evidence of poor workmanship. Care shall be exercised to avoid lapping on glass or hardware. Coatings and paints shall be sharply cut to lines. Finished surfaces shall be free from defects or blemishes.
- D. Protective coverings or drop cloths shall be used to protect floors, fixtures, and equipment. Care shall be exercised to prevent coatings or paint from being splattered onto surfaces that are not to be coated or painted. Surfaces from which materials cannot be removed satisfactorily shall be recoated or repainted as required to produce a finish satisfactory to the Owner.
- E. When two coats of coating or paint are specified, where possible, the first coat shall contain sufficient approved color additive to act as an indicator of coverage or the two coats must be of contrasting color.
- F. Film thickness per coat specified in Section 2.01 Paragraphs E are minimum required. If roller application is deemed necessary, the Contractor shall apply additional coats as to achieve the specified thickness.
- G. All material shall be applied as specified.

- F. All welds, edges and other irregular surfaces shall receive a brush coat of the specified product prior to application of the first complete coat.

3.04 CONTAINMENT AND DISPOSAL OF HAZARDOUS DEBRIS AND/OR PAINT CHIPS (as necessary)

- A. All work shall be in accordance with OSHA Safety & Health Standards 29 CFR 1910.1025.
- B. The contractor shall be responsible to make provisions to contain any cleaning residue and/or old paint to within the property and the required containment. Blast cleaning operations shall not begin until the containment method is approved by the owner's representative.
- C. All debris shall be collected at the end of each workday. All debris shall be placed in approved containers provided by the contractor.
- D. The contractor shall be responsible for all permits, disposal, and costs required for the disposal of any and all debris generated as part of this contract.

3.05 COATING SYSTEMS APPLICATION

- A. After completion of surface preparation as specified for the specific system, materials shall be applied as noted in Section 2.01 Paragraphs E.

3.06 COLOR SCHEME

- A. Finish coat color submittals will be made to the owner for approval prior to application. **The Town of Altavista may choose new lettering/logo.** When two or more coats are specified, the color of coats shall comply with the requirements of Section 3.03 paragraph E.

3.07 SOLVENT VAPOR REMOVAL

- A. Where appropriate all solvent vapors shall be completely removed by suction-type exhaust fans and blowers before placing in operating service.

3.08 CLEAN UP

- A. Upon completion of the work, all staging, scaffolding, and containers shall be removed from the site or destroyed in a manner approved by the Owner. Coating or paint spots and oil or stains upon adjacent surfaces shall be removed and the jobsite cleaned. All damage to surfaces resulting from the work of this section shall be cleaned, repaired, or refinished to the satisfaction of the Owner at no cost to the Owner.
- B. After the interior coating has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).
- C. The tanks shall be sealed and made ready for service.

3.09 WARRANTY

- A. The Contractor will warrant the work free of defects in material and workmanship for a period of one year from the acceptance of the work. At the end of one year, the Contractor will return for a one-year anniversary inspection of the work. The Contractor will correct any deficiencies found with no cost to the owner. Inspections shall be conducted in to conform to owners spec.

AFFIDAVIT

I, _____, being an authorized representative of the firm of _____
_____, located in the Town/Town of _____
_____, State _____, Zip Code _____, have read and understood the contents of the
formal Proposal and hereby submit our Proposal accordingly as of this date _____.

Signature of Authorized Representative

Attest

Telephone # _____

Fax# _____

Email Contact: _____

State Contractor's License # _____ (Attach Copy)

