REQUEST FOR PROPOSAL

CITY OF CUMMING, GEORGIA

The City of Cumming will be accepting sealed Pricing Proposals until 10:00 am., Tuesday, August 18, 2021 for the following:

Furnishing all labor, equipment, and materials necessary to paint the 500,000-Gallon Elevated Leg Tank

The envelopes containing the Pricing Proposals must be sealed, addressed to the City of Cumming, delivered to the Utilities Department Floor Desk, 100 Main Street, Cumming, Georgia 30040, and designated as **500,000 Gallon Elevated Leg Tank Painting Project**. No Proposal will be accepted after 10:00 am., August 18, 2021.

Full Specifications and invitation for Pricing Proposals may be found at http://www.cityofcumming.net/view-current-projects-open-for-bid-rfp

No one submitting a proposal may withdraw his/her proposal within 90 days after the actual date of proposal opening.

Acceptance and awarding of the Project Pricing Proposal will be made at a later date. The City of Cumming reserves the right to reject any or all prices submitted. All inquiries in regard to Pricing Proposals may be addressed to Jimmy Andrews' office at (770) 781-2008 or jimmyandrews@cityofcumming.net

STATE BARN WATER STORAGE TANK PAINTING SPECIFICATIONS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Work included under this Section shall consist of furnishing all materials and equipment and performance of all labor necessary to paint exterior and interior steel tank surfaces as outlined in this Section.

B. Paint Manufacturer shall certify that their product is appropriate for the intended use.

C. Paint manufacturer shall certify that the painting contractor is qualified in the application of their paint products for the intended use.

1.2 PAINTING INCLUDED

A. The work includes painting and finishing of interior and exterior exposed items and surfaces throughout the project, except as otherwise specified. Surface preparation, priming and coats of paint specified under this Section are in addition to shop-priming and surface treatment specified under other Sections, except as otherwise specified.

B. The work includes field painting of all bare and covered pipes and ducts (including color coding), and of hangers, exposed steel and iron work, and primed metal surfaces of equipment installed under the mechanical and electrical work, except as otherwise specified.

C. "Paint", as used herein, means all coating systems materials, including primers, emulsions, enamels, sealers and fillers, and other applied materials whether used as prime, intermediate or finish coats.

D. Paint all exposed surfaces whether or not colors are designated in "schedules", except where the natural finish of the material is obviously intended or specifically noted as a surface not to be painted. Where items or surfaces are not specifically mentioned, paint these the same as adjacent similar materials or areas. If color or finish is not designated, the Engineer will select these from standard colors available for the materials systems as specified.

1.3 PAINTING NOT INCLUDED

A. The following categories of work are not included as part of the painter-applied finish work, or are included in other Sections of these Specifications, unless otherwise shown or specified.

1. Shop Priming: Unless otherwise specified, shop priming of ferrous and other metal items is included under the various Sections for structural steel, miscellaneous metal, hollow metal work, and similar items. Also, for fabricated components such as wood casework, and shop-fabricated or factory-built mechanical and electrical equipment or accessories.

2. Pre-Finished Items: Unless otherwise indicated, do not include painting when factory-finishing or installer-finishing is specified for such items as (but not limited to) metal toilet enclosures, acoustic materials, pre-finished woodwork and casework, finished mechanical and electrical equipment including light fixtures, switchgear and distribution cabinets, doors and equipment.

3. Concealed Surfaces: Unless otherwise indicated, painting is not required on surfaces such as walls or ceilings in concealed areas and inaccessible areas, foundation spaces, furred areas, utility tunnels, pipe spaces, and duct shafts. Paint all piping, equipment, and other such items in concealed spaces, unless otherwise indicated.

4. Finished Metal Surfaces: Metal surfaces of aluminum, stainless steel, chromium plate, copper, bronze and similar finished materials will not require finish painting, except as otherwise indicated.

5. Operating Parts and Labels: Do not paint any moving parts of operating units, mechanical and electrical parts, such as valve and damper operators, linkages, sensing devices, motor and fan shafts, unless otherwise indicated. Do not paint over any code-required labels, such as Underwriters' Laboratories and Factory Mutual, or any equipment identification, performance rating, name, or nomenclature plates.

PART 2 PRODUCTS

2.1 MATERIAL

A. Material shall be delivered in unbroken original containers bearing the manufacturer's name, trade name, mixing instructions, and application instructions.

B. The Owner will select the colors from manufacturer's standard color chart.

C. Provide the best quality grade of the various types of coatings as regularly manufactured by approved paint materials manufacturers. Materials not displaying the manufacturer's identification as a standard, best-grade product will not be acceptable.

D. Provide undercoat paint produced by the same manufacturer as the finish coats. Use only thinners approved by the paint manufacturer, and use only within recommended limits.

E. Acceptable manufacturers include:
   1. Induron Coatings Inc., P.O. Box 2371 · Birmingham, Alabama 35201-2371
   2. Carboline Company, 2150 Schuetz Road - St. Louis, MO 63146
   3. Tnemec Co., Inc., 6800 Corporate Drive, Kansas City, MO 64120
   4. Sherwin-Williams Corporation, 101 Prospect Avenue, N.W., Cleveland, Ohio, 44115.

F. Basis of Design is: Tnemec Coatings

1. INTERIOR SURFACES

Coating System:	Series 94-H2O, Series 20, Series 141
Surface Preparation:	SSPC-SP10 Near White Abrasive Blast. Prior to coating the substrate must be clean, dry, and free of all contaminants.
Prime Coat:	Tnemec Series 94-H2O applied @ 2.5 to 3.5 mils DFT
Stripe Coat: (Welds, Corners, Edges)	Tnemec Series FC20-15BL applied @ 2.0 to 3.0 mils DFT
Finish Coat:	Tnemec Series 141-1255 applied @ 10.0 to 12.0 mils DFT

2. EXTERIOR SURFACES & LOGO

Coating System	Series 135, Series 1094, Series 700 (Logo)
Surface Preparation:	High Pressure Water Blast at a minimum 3,000 PSI. Power tool clean (SSPC-SP3) all visible rusty areas. Feather all edges. Prior to coating the substrate must be clean, dry, and free of all contaminants.
Spot Prime Coat: (Visible Rusty Areas)	Tnemec Series 135 applied @ 3.0 mils DFT
1st Full Coat:	Tnemec Series 135 applied @ 3.0 mils DFT

Finish Coat:	Tnemec Series 1094 applied @ 2.0 to 3.0 mils DFT
Logo and Lettering:	Tnemec Series 700 applied @ 2.0 to 3.0 mils DFT (Logo position will be coordinated with the Owner in the field)

PART 3 EXECUTION

3.1 PAINTING

A. The Contractor shall comply with all health and safety regulations and requirements of OSHA (or State Health and Safety Regulatory Agency), SSPC-PA Guide 3, and the paint and abrasive manufacturers.

B. The roof vent, safety climbing devices, and any other non-painted items shall be removed prior to cleaning and painting.

C. Paint shall not be applied on damp or frosty surfaces, nor during wet, foggy, or weather below 50° F, or above 85% relative humidity. Comply with manufacturer's product data as to environmental conditions. Surfaces to be painted shall be made free of dust and other foreign matter before paint is applied; surfaces shall be completely dry before paint is applied. Iron and steel which have been shop primed, shall have all abrasions in the priming coat cleaned to bright metal to remove all scale, ridges, rust, and faults in the prime coat. Weld splatter shall be removed and that area re-primed. Voids and open and hollow places, shall be repaired with a material compatible with the surface to be repaired.

D. Paint shall be spread and brushed out so that there shall be no drops, runs, or sags in the coating. Where runs, sags, and drops do occur, they shall be removed and the surface shall be re-coated. Paint shall be dry before additional coats are applied. Drop cloths shall be used to protect surfaces of the structure and equipment in place, and upon completion of work, paint spots shall be removed from surfaces and defaced surfaces shall be re-finished. Painting found to be defective, and that applied under adverse conditions, shall be removed and new paint shall be applied. Where more than one coat is required, undercoats shall be job-tinted.

3.2 ENVIRONMENTAL PROTECTION

A. Provide environmental protections to prevent damage to persons or properties exterior to the work site during all cleaning operations that create dust or mists.

B. Remove all waste material from site and dispose such materials at disposal sites designated to accept such materials.

END OF SECTION

General Information

TANK DETAILS

CAPACITY:	500,000 Gallons	**DESIGN:**	Legged Elevated
INSPECTION DATE:	July, 2020	**INSPECTOR:**	Lee Smallwood
CONSTRUCTION STYLE:	Welded Steel	**CONSTRUCTION DATE:**	1988
BUILDER:	Caldwell	**HEIGHT/ DIMENSION:**	70' to LWL
EXTERIOR COATING:	Urethane	**EXTERIOR LEAD/ CHROMIUM PRESENCE:**	None Detected
INTERIOR COATING:	Epoxy	**INTERIOR LEAD/CHROMIUM PRESENCE:**	None Detected

Exterior Coatings Conditions

The coating on the exterior of the State Barn Tank was found in fair condition. Areas of spider cracking were noted along the legs and sidewalls. This shows adhesion is poor in these areas. Delamination of the finish coating was found. Chalking was visible on all areas of the exterior but is normal for the age of the coating. Random checking and flash rust were noted on the sides and roof of the structure. Catwalk was noted for large areas of flash rust.

Interior Coatings Conditions

The interior of the tank was found in poor condition. The majority of the roof and upper walls were found with corrosion. Floor area was noted for sediment. The walls of the tank were found with minor stain and random areas of flash rust.


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