
March 13, 2025

**ADDENDUM #2
BL004-25**

Provision of Repairs of Grayson Water Storage Tank 2

The following addition/changes modify the Bid No. BL004-25 "Provision of Repairs of Grayson Water Storage Tank 2" Contract Documents, dated February 2025, as first advertised on February 19, 2025.

I. Revisions:

- R1. Please replace section 09 9600 – High-Performance Coatings with the A3. attached revised Section 09 9600.

II. Questions:

- Q1. In the Supplemental Conditions Drawings and Report SC-4.02 references drawings and reports of the structure are available. Is Gwinnett County able to provide them digitally?**
- A1. SC-4.02F references documents identified in SC-4.02D that are NOT included with the bidding documents. However, all of the documents listed under SC-4.02D were included in the bidding documents and were provided digitally. They were included in Exhibit A of Volume 2. There are no other drawings or reports available.
- Q2. Will the County be retaining a third-party inspector to observe the coating applications for the tank interior?**
- A2. Yes, the County intends to retain a third-party inspector.
- Q3. In review of the specifications and evaluations of the Grayson Tank 2, provide a recommendation to change the coating for Sherwin-Williams from "Macropoxy and Duraplate" found in Section 09 9600 to Polycote 115. Because of the history of cracking and movement found in this tank, a less rigid coating such as a polyurethane lining would be highly recommended. The Polycote 115 is approved for NSF use up to 250 mils dft if found to be needed due to extreme movement/cracking on this project. Recommended surface prep for concrete is: SSPC-SP13/NACE No. 6 or SSPC-SP CAB1 minimum surface profile of ICRI 310.2R-CSP 3-5. Would Gwinnett County consider the recommended?**
- A3. See revised Section 09 9600 to include Polycote 115 attached.
- Q4. Hydroplate 1080 and Reactamine are included in the specifications, please confirm this a two (2) coat system? 100 mils roughly total?**
- A4. The coating selected by the Contractor must be applied according to the manufacturer's recommendations for this application. That includes number of coats and minimum thickness required.

Q5. There may be a product that may be better for this tank. What would that process be to submit an alternate?

A5. Requests for approval of an "approved equal" product will only be evaluated following the Bid opening. Approval of any "or equal" products submitted for consideration will be at the Owner and Engineer's sole discretion. If you would like to submit your product for pre-approval for future solicitations, please contact Brittany Bryant, Purchasing Associate III following the award of this solicitation.

Q6. Will you except a Polyurea as a suitable substitute?

A6. Requests for approval of an "approved equal" product will only be evaluated following the Bid opening. Approval of any "or equal" products submitted for consideration will be at the Owner and Engineer's sole discretion. If you would like to submit your product for pre-approval for future solicitations, please contact Brittany Bryant, Purchasing Associate III following the award of this solicitation.

Q7. Do vendors need to get a substitute approved before bidding ends?

A7. Please see A6 above.

III. Attachments:

- A1. Pre-Bid Sign In Sheet
- A2. Revised Section 09 9600
- A3. Plan holders list as of 03/13/2025

This addendum should be acknowledged on Bid Form, page 16. Failure to do so may result in your bid being deemed non-responsive.

Thank you,
Brittany Bryant, CPPB
Purchasing Associate III

Company Name _____

Authorized Representative _____

PRE-BID CONFERENCE

~~3/10/25~~
3/10/25

BL#004-25

	Representative Name	Company Name	Phone #	E-Mail Address
1.	<u>Pete Martin</u>	<u>KC Painting & Coatings</u>	<u>404610-3259</u>	<u>pmartin@kcpcservices.com</u>
2.	<u>Matthew Bloodworth</u>	<u>Southern Ind. Linings</u>	<u>6789109568</u>	<u>MAT1@southernindustrialLinings.com</u>
3.	<u>Michelle Eddington</u>	<u>Fazor</u>	<u>404-801-1045</u>	<u>michelle.blue.business@gmail.com</u>
4.	<u>CHRIS BARTON</u>	<u>CROM COATINGS & RESTORATIONS</u>	<u>352.514.7917</u>	<u>cbarton@CROMCORP.COM</u>
5.	<u>BRANDEN PETERSON</u>	<u>CROM</u>	<u>352.7623483</u>	<u>bpeterSON@CROMCORP.COM</u>
6.	<u>Adam McMillan</u>	<u>Sherwin-Williams</u>	<u>404-804-9400</u>	<u>adam.j.mcmillan@sherwin.com</u>
7.	<u>Brian Partee</u>	<u>Sherwin-Williams</u>	<u>678 361 1959</u>	<u>b-partee@brian.j.partee@sherwin.com</u>
8.	<u>Randall Puckett</u>	<u>KC Painting & Coatings</u>	<u>678-294-4895</u>	<u>Rpuckett@KCPCservices.com</u>
9.	<u>Mark Mc Gowan</u>	<u>Structural</u>	<u>954 658 5654</u>	<u>mmcgowan@structural.net</u>
10.	<u>John Floyd</u>	<u>IUPATDC 77</u>	<u>(404) 503-7497</u>	<u>jfloyd@iupatdc77.org</u>
11.	<u>Cody Paradis</u>	<u>Engineered Spray Solutions</u>	<u>770-294-7548</u>	<u>Cparadis@ess-l.net</u>
12.	<u>Candice Rejmenczak</u>	<u>IUPAT DC77</u>	<u>770-694-2109</u>	<u>crejmenczak@iupatdc77.org</u>
13.	<u>Charles Clark</u>	<u>Carboline</u>	<u>404-951-5130</u>	<u>Charles.Clark@Carbolines.com</u>

Department Representative Name	Department	Department Representative Name	Department
<u>Brittany Bryant</u>	<u>Purchasing</u>	<u>Jessica White-Gresham Smith</u>	
<u>Leon Nance</u>	<u>DWR</u>	<u>Kelvin Rosey - Gresham Smith</u>	
<u>David Singleton</u>	<u>DWR</u>		
<u>Michael Geyini</u>	<u>DWR</u>		
<u>Kyle Cromberry</u>	<u>Tnemec</u>	<u>678-654-5800</u>	<u>k@cromberry@tnemec.com</u>

SECTION 09 9600 - HIGH-PERFORMANCE COATINGS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. High performance coatings.
- B. Surface preparation.

1.2 REFERENCE STANDARDS

- A. ASTM D4258 - Standard Practice for Surface Cleaning Concrete for Coating 2005 (Reapproved 2017).
- B. MPI (APL) - Master Painters Institute Approved Products List; Master Painters and Decorators Association Current Edition.
- C. MPI (APSM) - Master Painters Institute Architectural Painting Specification Manual Current Edition.
- D. SSPC-SP 1 - Solvent Cleaning 2015, with Editorial Revision (2016).
- E. SSPC-SP 6 - Commercial Blast Cleaning 2007.
- F. SSPC-SP 11 - Power-Tool Cleaning to Bare Metal 2020.
- G. SSPC-SP 13 - Surface Preparation of Concrete 2018.

1.3 SUBMITTALS

- A. See Section 01 3300 - Submittal Procedures for submittal procedures.
- B. Product Data: Provide complete list of all products to be used, with the following information for each:
 - 1. Manufacturer's name, product name and/or catalog number, and general product category (e.g. "alkyd enamel").
 - 2. Cross-reference to specified coating system(s) product is to be used in; include description of each system.
 - 3. If proposal of substitutions is allowed under submittal procedures, explanation of all substitutions proposed.
 - 4. Provide schedule noting location, surface and full coating system to be applied.
- C. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- D. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.

1.4 QUALITY ASSURANCE

- A. Maintain one copy of each referenced document that applies to application on site.
- B. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum ten years documented experience.
- C. Applicator Qualifications: Company specializing in performing the work of this section with minimum five years documented experience.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.
- B. Container Label: Include manufacturer's name, type of coating, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.
- C. Coating Materials: Store at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated area, and as required by manufacturer's instructions.

1.6 FIELD CONDITIONS

- A. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.
- B. Do not apply exterior coatings during rain or snow, or when relative humidity is outside the humidity ranges required by the coating product manufacturer.
- C. Do not install materials when temperature is below 55 degrees F or above 90 degrees F.
- D. Maintain this temperature range, 24 hours before, during, and 72 hours after installation of coating.
- E. Restrict traffic from area where coating is being applied or is curing.

1.7 WARRANTY

- A. See Section 01 7700 for additional warranty requirements.
- B. Correct defective Work within a 1 year period after Date of Substantial Completion.
- C. Warranty: Include coverage for bond to substrate.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Provide high performance coating products from the same manufacturer to the greatest extent possible.
 - 1. In the event that a single manufacturer cannot provide specified products, minor exceptions will be permitted provided approval by Architect is obtained using the specified procedures for substitutions.
 - 2. Substitution of a different high performance coating system using MPI-approved products by the same manufacturer will be considered.
- B. High-Performance Coatings:
 - 1. Sherwin-Williams Company: www.protective.sherwin-williams.com/industries/#sle.
 - 2. Tnemec Company, Inc: www.tnemec.com/#sle.
 - 3. Carboline

2.2 COATING MATERIALS

- A. Coatings - General: Provide complete multi-coat systems formulated and recommended by manufacturer for the applications indicated.
- B. All coatings must be NSF 61 certified.
- C. Water Based Epoxy Coating for interior concrete
 - 1. Provide a multi-part, high-solids Epoxy Coating system by one of the following manufacturers:
 - a. Sherwin-Williams Polycote 115.

- b. Temec series 21 and 22
- c. Carboline Hydroplate and Reactamine
- d. Or Approved Equivalent
- D. High-Build Epoxy Coating for Interior Pipes, Steel, Ferrous materials:
 - 1. Number of Coats: Two.
 - 2. Product Characteristics:
 - 3. Top Coat(s): Epoxy, High-Build; MPI #98, #108, #120.
 - a. Sheen: Low gloss.
 - b. Products:
 - 1) PPG Paints; Amerlock 400 Epoxy, AK-400 Series, Semi-Gloss: www.ppgpaints.com/#sle.
 - 2) PPG Paints: Aquapon Two-Component High-Build Polyamide Epoxy Coating, 97-1212 Series, Semi-Gloss: www.ppgpaints.com/#sle. (MPI #108)
 - 3) Rust-Oleum Corporation; 9100 System DTM Epoxy Mastic: www.rustoleum.com/#sle. (MPI #98)
 - 4) Sherwin-Williams; Macropoxy 646 Fast Cure Epoxy: www.protective.sherwin-williams.com/#sle. (MPI #108, #120)
 - 5) SPARTACOTE, a division of LATICRETE International, Inc; SPARTACOTE Vertical HB: www.laticrete.com/#sle.
 - 6) Stonhard; Stonglaze VSR: www.stonhard.com/#sle.
 - 7) Tnemec; Series N69: www.tnemec.com

2.3 SURFACER

- A. Cementitious Epoxy Resurfacer shall be applied per manufacturer recommendations and should be provided by one of the following manufacturers:
 - 1. Sherwin-Williams Sherplate
 - 2. Tnemec Mortarclad
 - 3. Carboline Carboguard
 - 4. Or Approved Equivalent

2.4 ACCESSORY MATERIALS

Accessory Materials: Provide primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials as required for final completion of coated surfaces.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Do not begin application of coatings until substrates have been properly prepared.
- C. Verify that substrate surfaces are ready to receive work as instructed by the coating manufacturer. Obtain and follow manufacturer's instructions for examination and testing of substrates.
- D. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.
- E. If substrate preparation is the responsibility of another installer, notify General Contractor of unsatisfactory preparation before proceeding.
- F. Test shop-applied primer for compatibility with subsequent cover materials.
- G. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces are below manufacturer's requirements:
- H. Proceed with coating application only after unacceptable conditions have been corrected.

1. Commencing coating application constitutes Contractor's acceptance of substrates and conditions.

3.2 PREPARATION

- A. Protect adjacent surfaces and materials not receiving coating from spatter and overspray; mask if necessary to provide adequate protection. Repair damage.
- B. Clean surfaces of loose foreign matter.
- C. Remove substances that would bleed through finished coatings. If unremovable, seal surface with shellac.
- D. Remove finish hardware, fixture covers, and accessories and store.
- E. Existing Painted and Sealed Surfaces:
 1. Remove loose, flaking, and peeling paint. Feather edge and sand smooth edges of chipped paint.
 2. Clean with mixture of trisodium phosphate and water to remove surface grease and foreign matter.
- F. Concrete:
 1. Remove release agents, curing compounds, efflorescence, and chalk. Do not coat surfaces if moisture content or alkalinity of surfaces to be coated exceeds that permitted in manufacturer's written instructions.
 2. Clean surfaces with pressurized water. Use pressure range of 1,500 to 4,000 psi at 6 to 12 inches. Allow to dry.
 3. Clean concrete according to ASTM D4258. Allow to dry.
 4. Prepare surface as recommended by coating manufacturer and according to SSPC-SP 13.
- G. Ferrous Metal:
 1. Solvent clean according to SSPC-SP 1.
 2. Shop-Primed Surfaces: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces. Re-prime entire shop-primed item.
 3. Remove rust, loose mill scale, and other foreign substances using methods recommended in writing by paint manufacturer and blast cleaning according to SSPC-SP 6 "Commercial Blast Cleaning", and protect from corrosion until coated.
 4. In addition, for surfaces to be finished with Coating Type #2, remove tight rust, and shop primer, if any to bare metal using power tools according to SSPC-SP 11 "Power Tool Cleaning to Bare Metal", and protect from corrosion until coated.

3.3 PRIMING

- A. Apply primer to all surfaces, unless specifically not required by coating manufacturer. Apply in accordance with coating manufacturer's instructions.
- B. Concrete: Prior to priming, patch with masonry filler to produce smooth surface.

3.4 COATING APPLICATION

- A. Apply coatings in accordance with manufacturer's written instructions, to thicknesses specified and recommendations in MPI - Architectural Painting and Specification Manual.
- B. Apply in uniform thickness coats, without runs, drips, pinholes, brush marks, or variations in color, texture, or finish. Finish edges, crevices, corners, and other changes in dimension with full coating thickness.

3.5 FIELD QUALITY CONTROL

- A. See Section 01 4000 - Quality Requirements for general requirements for field inspection.

- B. Owner will provide field inspection.
- C. Dry Film Thickness Testing: Owner will engage the services of a qualified testing and inspecting agency to inspect and test coatings for dry film thickness.
 - 1. Touch up and restore coated surfaces damaged by testing.
 - 2. If test results show that dry film thickness of applied coating does not comply with coating manufacturer's written recommendations, and specified thickness, Contractor shall pay for retesting and apply additional coats as needed to provide dry film thickness that complies with coating manufacturer's written recommendations, and specified thickness.
- D. Continuity Testing:
 - 1. Contractor's qualified personnel shall holiday test coatings up to or less than 20 mils thick dry, except zinc primer and galvanizing, with low voltage wet sponge electrical holiday detector in accordance with NACE SP0188.
 - 2. Contractor's qualified personnel shall holiday test coatings in excess of 20 mils dry with high voltage spark tester as recommended by coating manufacturer and in accordance with NACE SP0188. Tester to be set for the coating milage as directed by the tester manufacturer.
- E. Adhesion Testing:
 - 1. Adhesion testing shall be undertaken by a contractor appointed independent NACE CIP Level 3 Peer Review certified independent party in the presence of the Engineers appointed coating inspector.
 - 2. Contractor's qualified personnel shall perform an adhesion test after proper cure in accordance with ASTM D7234 for concrete surfaces, to demonstrate that (1) the prime coat (shop or field applied) adheres to the substrate, and (2) the specified top coatings adhere to the prime coat. The tensile strength of the coating shall meet the published performance results for the system applied.
 - 3. Concrete surfaces shall have the coating system adhesion verified by ASTM D7234 Standard Test Method for Pull-Off Adhesion Strength of Coatings on Concrete Using Portable Pull-Off Adhesion Testers. The tensile strength of the coating shall meet the published performance results for the system applied.

3.6 CLEANING

- A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.
- B. Clean surfaces immediately of overspray, splatter, and excess material.
- C. After coating has cured, clean and replace finish hardware, fixtures, and fittings previously removed.

3.7 PROTECTION

- A. Protect finished work from damage.

ISSUED	DATE
ISSUED FOR BID	02/07/2025
REVISION 1	03/12/2025

©2025 GRESHAM SMITH. ALL RIGHTS RESERVED. USE SUBJECT TO ANY WRITTEN AGREEMENT WITH GRESHAM SMITH.

END OF SECTION

THIS PAGE
INTENTIONALLY
LEFT BLANK

**BL 004-25 - Repairs of Grayson Water Storage Tank 2
Plan Holders List as of 03/13/2025**

No.	Company
1	Suncoast Group
2	MOPAC Plant & Building Services
3	Crom Corp
4	Sherwin Williams
5	Precon Corporation
6	DN Tanks
7	Metro Waterproofing
8	SE Diving Services
9	Pittsburg Tank & Tower Group
10	Structural
11	Razorback LLC
12	Engineered Restorations Inc
13	Viking Industrial Painting
14	Five 12 Painting & Remodeling LLC
15	Burch Industrial Services
16	Southern Industrial Linings, Inc
17	JDS Inc.
18	PWX Press
19	All Clear Underground Solutions
20	IUPAT DC77
21	Carboline
22	Engineered Spray Solutions
23	KC Painting & Coating