ADDENDUM THREE
CITICO CREEK HANDRAIL ALONG RIVERWALK (BEHIND TN AM WATER CO TANKS)
CONTRACT NO. W-15-020-201
CITY OF CHATTANOOGA, TENNESSEE

The following changes shall be made to the Contract Documents, Specifications, and Drawings:

I. Contract Documents

Replace Section 09910 Painting with Section 09910R Painting

April 11, 2016

/s/ Justin C. Holland, Administrator
City of Chattanooga
Department of Public Works

SECTION 09910R

PAINTING

PART 1 – GENERAL

1.01 SECTION INCLUDES

A. Surface preparation.

B. Field application of paints, stains, varnishes, and other coatings.

C. Scope: Finish all interior and exterior surfaces exposed to views, unless fully factory-finished and unless otherwise indicated.

D. Do Not Paint of Finish the Following Items:

1. Items fully factory-finished unless specifically so indicated; materials and products having factory-applied primers are not considered factory finished.

2. Items indicated to receive other finishes.

3. Items indicated to remain unfinished.

4. Fire rating labels, equipment serial number and capacity labels, and operating parts of equipment.

5. Floors, unless specifically so indicated.

6. Ceramic and other tiles.

7. Glass.

8. Concealed pipes, ducts, and conduits.

1.02 DEFINITIONS

A. Conform to ASTM D16 for interpretation of terms used in this section.

1.03 REFERENCE STANDARDS

A. 40 CFR 59, Subpart D – National Volatile Organic Compound Emission Standards for Architectural Coatings; U.S. Environmental Protection Agency, current edition.

B. ASTM D16 – Standard Terminology for Paint, Related Coatings, Materials, and Applications; 2012.

C. ASTM D4442 – Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Base Materials; 2007.

1.04 SUBMITTALS

A. See Section 01300, Submittals, for procedures.

B. Product Data: Provide data on all finishing products, including VOC content.

C. Manufacturer's Instructions: Indicate special surface preparations procedures.

D. Maintenance Data: Submit data on cleaning, touch-up, and repair of painted and coated surfaces.

E. Maintenance Materials: Furnish the following for use in maintenance of project:

1. Extra Paint and Coatings: 1 gallon of each color; store where directed.
   a. Label each container with color in addition to the manufacturer's label.

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the products specified, with minimum three years' documented experience.

B. Applicator Qualifications: Company specializing in performing the type of work specified with minimum three years' experience.

1.06 MOCK-UP

A. Provide panel on finished surface, 4 feet long by 4 feet wide, illustrating special coating color, texture, and finish.

B. Provide door and frame assembly (where appropriate) illustrating paint coating color, texture, and finish.

C. Mock-up may remain as part of the work, if authorized by the ENGINEER.

1.07 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 paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.

C. Paint Materials: Store at minimum ambient temperature of 45 degrees F (7 degrees C) and a maximum of 90 degrees F (32 degrees C), in a ventilated area, and as required by manufacturer's instructions and local building and fire codes.

1.08 FIELD CONDITIONS

A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.

B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.

C. Provide minimum lighting level of 80 ft candles (860 lx) measured mid-height at substrate surface.

PART 2 – PRODUCTS

2.01 MANUFACTURERS

A. Provide all paint and coating products used in any individual system from the same manufacturer; no exceptions.

B. Provide all paint and coating products from the same manufacturer to the greatest extent possible.

C. Paints:

1. Porter Paints/PPG
2. Sherwin-Williams Company

D. Transparent Finishes:

1. Porter Paints/PPG
2. Sherwin-Williams Company

E. Stains:

1. Porter Paints/PPG
2. Sherwin-Williams Company

F. Substitutions:

1. Substitutions shall be submitted to the ENGINEER for approval. The acceptance or rejection of proposed substitutions are final.

2.02 PAINTS AND COATINGS – GENERAL

A. Paints and Coatings: ready mixed, unless intended to be a field-catalyzed coating.

1. Provide paints and coatings of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.

2. Provide materials that are compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.

3. Supply each coating material in quantity required to complete entire project's work from a single production run.

4. Do not reduce, thin, or dilute coatings or add materials to coatings unless such procedure is specifically described in manufacturer's product instructions.

B. Primers: Where the manufacturer offers options on primers for a particular substrate, use primer categorized as "best" by the manufacturer.

C. Colors: As indicated on drawings.

1. In finished areas, finish pipes, ducts, conduit, and equipment the same color as the wall/ceiling they are mounted on/under.

2.03 PAINT SYSTEMS – EXTERIOR

A. Paint ME-OP-4A – Ferrous Metals, Unprimed, Acrylic Enamel, 4 Coat:

1. One coat of rust-inhibitive primer recommended by top coat manufacturer.

2. Primer: One coat of all surface enamel primer recommended by top coat manufacturer

3. Semi-gloss: Two coats of acrylic enamel; PPG PITT-TECH PLUS 90-1110 or Sherwin Williams Pro Industrial Series; All Surface Enamel

B. Paint ME-OP-3A – Ferrous Metals, Primed, Acrylic Enamel, 3 Coat:

1. Touch-up with rust-inhibitive primer recommended by top coat manufacturer.

2. Primer: : One coat of all surface enamel primer recommended by top coat manufacturer

3. Semi-gloss: Two coats of acrylic enamel; PPG PITT-TECH PLUS 90-1110 or Sherwin Williams Pro Industrial Series; All Surface Enamel

2.04 ACCESSORY MATERIALS

A. Accessory Materials: Provide all primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials required to achieve the finishes specified whether specifically indicated or not; commercial quality.

B. Patching Material: Latex filler.

C. Fastener Head Cover Material: Latex filler.

PART 3 – EXECUTION

3.01 EXAMINATION

A. Verify that surfaces are ready to receive work as instructed by the product manufacturer.

B. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.

C. Test shop-applied primer for compatibility with subsequent cover materials.

D. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces are below the following maximums:

1. Gypsum wallboard: 12 percent

2. Masonry, concrete, and concrete unit masonry: 12 percent

3. Interior wood: 15 percent, measure in accordance with ASTM D4442

3.02 PREPARATION

A. Clean surfaces thoroughly and correct defects prior to coating application.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

C. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces or finishing.

D. Seal surfaces that might cause bleed through or staining of topcoat.

E. Remove mildew from impervious surfaces by scrubbing with solution of tetra-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.

F. Concrete and unit masonry surfaces to be painted: Remove dirt, loose mortar, scale, salt or alkali powder, and other foreign matter. Remove oil and grease with a solution of tri-sodium phosphate; rinse well and allow to dry. Remove stains caused by weathering or corroding metals with a solution of sodium metasilicate after thoroughly wetting with water. Allow to dry.

G. Gypsum Board Surfaces to be Painted: Fill minor defects with filler compound. Spot prime defects after repair.

H. Galvanized surfaces to be Painted: remove surface contamination and oils and wash with solvent. Apply coat of etching primer. All corrosion must be removed with steel wool prior to priming coat.

I. Corroded Steel and Irion Surfaces to be Painted: Prepare using at least SSPC-PC2 (hand tool cleaning) or SSPC-SP3 (power tool cleaning) followed by SSPC-SP1 (solvent cleaning).

J. Uncorroded Uncoated Steel and Irion Surfaces to be Painted: Remove grease, mill scale, weld splatter, dirt, and rust. Where heavy coatings of scale are evident, remove by hand or power tool wire brushing or sandblasting; clean by washing with solvent. Apply a treatment of phosphoric acid solution, ensuring weld joints, bolts, and nuts are similarly cleaned. Prime paint entire surface; spot prime after repairs.

K. Shop-Primed Steel Surfaces to be Finish Painted: 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.

L. Interior Wood Surfaces to Receive Opaque Finish: Wipe off dust and grit prior to priming. Seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes and cracks after primer has dried; sand between coats. Back prime concealed surfaces before installation.

M. Wood Doors to be Field-Finished: Seal wood door top and bottom edge surfaces with clear sealer.

3.03 APPLICATION

A. Apply products in accordance with manufacturer's instructions.

B. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.

C. Apply each coat to uniform appearance.

D. Sand wood and metal surfaces lightly between coats to achieve required finish.

E. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.

F. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

3.04 CLEANING

A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

3.05 PROTECTION

A. Protect finished coatings until completion of project.

B. Touch-up damaged coatings after Substantial Completion.

3.06 SCHEDULE – PAINT SYSTEMS + COLORS

A. Steel Fabrications: Finish all surfaces exposed to view.

1. Exterior: ME-OP-4A, gloss; finish all surfaces, including concealed surfaces, before installation. Touch up as required.
2. Color shall be Riverpark Blue, custom-tinted to match the weathered appearance of the existing handrail along the Riverwalk. The custom paint shall be prepared and applied on the mock-up, and shall be subject to the approval of the ENGINEER.

3.07 RIVERPARK BLUE COLOR FORMULATION

SECTION 09910R

PAINTING

Customer:

Job: Riverpark Date: 10/12/15

Color: River Park Blue Finish:

Color Approved By:

SHERWIN-WILLIAMS.

SHERWIN-WILLIAMS 4205 10/20/15
423-624-1855 Order# 0134225

INT/EXT END PAINT
PRO IND HIGH PERFORMANCE ACRYLIC
GLOSS STANDALONE

RIVER PARK BLUE
CUST OM MANUAL MATCH

COLORANT	02	32	64	128
A2-White	-	48	1	-
B1-Black	-	34	1	1
L1-Blue	6	14	1	1
R3-Magenta	-	24	-	-

ONE GALLON ULTRADEEP
B66T00604 650013567

Non Returnable Tinted Color

CAUTION: To assure consistent color, always order enough paint to complete the job and intermix all containers of the same color before application. Stored colors may vary slightly from color strip or color chip.

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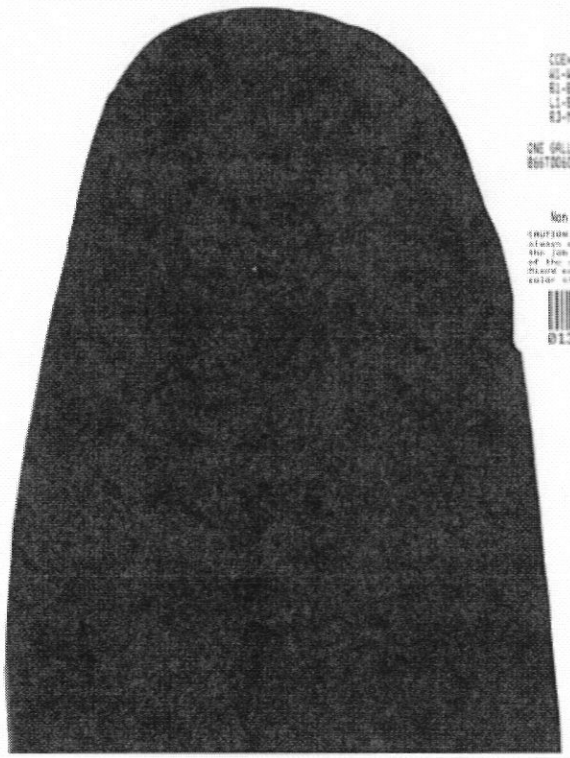

END OF SECTION