## Section 563. — PAINTING

01/06/23– FP-14

WFL Specification 11/12/20 5630010

Include the following when weathering agent is required. Consult with Geotechnical regarding the material receiving weathering agent (rock, concrete, or galvanized steel), and if any weathering agent for galvanized steel is to be field applied.

Description

### 563.01

Add the following:

This work also consists of finishing surfaces with a reactive colorant finish; treating field cuts; and repairing damages to protective coatings and finishes.

Material

### 563.02

Add the following to the material list:

Weathering Agent 725.19

Construction Requirements

### 563.04 Submittals.

Amend as follows:

Delete the text of paragraph (a) and substitute the following:

**(a)** Manufacturer’s MSDS and product data sheets for cleaning and painting products, including the following.

**(1)** Product’s intended application or use, as well as its limitations.

**(2)** Manufacturer’s recommendations for surface preparation; storing, handling, preparing, cleaning, and applying weathering agents; and protecting finishes.

Add the following:

**(h)** Detailed plan to protect public traffic and the surroundings from field-applied products.

**(i)** Provide photos with the location and owner/agency name for projects where the specified product(s) were successfully used to color the surfaces specified in this Section.

WFL Specification 11/12/20 5630020

Include the following when weathering agent is applied to galvanized steel.

**( )** Provide one 12-inch by 12-inch galvanized steel sample for quality control, with half of the sample treated according to the requirements of this Section, and the other half untreated.

WFL Specification 11/12/20 5630030

Include the following when weathering agent is applied to non-metallic surfaces.

**( )** Submit a color palette for non-metallic surfaces, and obtain the target color tone from the CO before constructing the required quality control samples.

WFL Specification 11/12/20 5630040

Include the following when weathering agent is required

### 563.06 Protection of the Work.

Add the following:

Protect finished surfaces from abrasions that remove the finish or underlying coatings. Repair damaged underlying coatings as required, and repair damages to reactive colorant finishes by applying weathering agent to damaged areas according to the manufacturer’s recommendations, and repeating applications until the finish matches that of the approved quality control sample.

### 563.07 General.

Add the following:

**(c) Weathering Agent.** Do not apply weathering agent to surfaces until the applicable samples are approved by the CO in writing.

**(1) Handling and Storing Materials.** Handle, store, and transport material according to the approved submittals required under Subsection 563.04(a).

**(2) Surface Preparation.** Clean and prepare surfaces to be treated according to the manufacturer’s written recommendations.

**(3) Application.** Use the weathering agent manufacturer or their authorized application contractor to apply the weathering agent for samples and finished products. Apply weathering agent to the specified surfaces, according to the manufacturer’s recommendations, to obtain the full coloration that matches the approved quality control sample within two weeks of application.

WFL Specification 11/12/20 5640050

Include the following when weathering agent is applied to non-metallic surfaces.

Control or modify weathering agent finishes for rock and/or concrete by custom blending weathering agent ingredients; modifying application techniques; diluting with water; or a combination thereof to produce the required finish.

WFL Specification 11/12/20 5630060

Include the following when weathering agent is required.

**(4) Curing.** Cure each application of weathering agent according to the manufacturer’s recommendations, and before shipping finished products to the project site.

WFL Specification 11/12/20 5630070

Include the following when weathering agent is field applied.

**(5) Quality Control Field Samples.** Produce the following quality control samples in the field at approved locations.

WFL Specification 11/12/20 5630080

Include the following when weathering agent is field applied to non-metallic surfaces.

*( )* Before starting field application operations, produce three quality control samples for each type of non-metallic surface to be colored. Produce each quality control sample at least 3-feet long by 3-feet wide. Do not start field applications until the samples are approved.

WFL Specification 11/12/20 5630090

Include the following when weathering agent is field applied to galvanized steel. Specify the material sample type and size or quantity needed.

*( )* Before starting field application operations on visible galvanized surfaces; produce one quality control sample of [INSERT SAMPLE DESCRIPTION], and do not start field application operations until the associated quality control field sample is approved.

WFL Specification 01/06/23 5630095

Include the following when bridge painting is required. Consult with Bridge for fill-ins.

### 563.08(a)(1) New surfaces or surfaces with existing paint removed.

Add the following:

For [INSERT BRIDGE NAME] Bridge, provide Type [INSERT PAINT SYSTEM NUMBER] paint system from Table 563-1 for girder ends and steel members at locations designated on the plans. Provide top coat color AMS-STD [INSERT COLOR NUMBER] (SAE AMS-STD-595). Provide two 12 inch by 12 inch samples painted with the proposed top coat color to the CO for approval prior to painting.

For [INSERT BRIDGE NAME] Bridge provide Type [INSERT PAINT SYSTEM NUMBER] paint system from table 563-1 for bridge rail. Provide top coat color AMS‑STD [INSERT COLOR NUMBER] (SAE AMS-STD-595). Provide two 12 inch by 12 inch samples painted with the proposed top coat color to the CO for approval prior to painting.

WFL Specification 11/12/20 5630100

Include the following when weathering agent is required on galvanized steel.

### 563.11 Other Metals.

Add the following to paragraph (b):

Use the zinc-rich coating paint specified in Subsection 719.04(a) to treat galvanized steel field cuts, and all damaged galvanizing; according to the applicable requirements of ASTM A 780.

WFL Specification 11/12/20 5630110

Include the following when weathering agent is required.

### 563.12 Acceptance.

Add the following:

Reactive colorant finishes will be evaluated under Subsections 106.02.

WFL Specification 11/12/20 5630120

Include the following when weathering agent is required on galvanized steel.

Treating galvanized steel field cuts, and repairing damaged galvanizing will be evaluated under Subsection 106.02.

WFL Specification 11/12/20 564030

Include the following when weathering agent is required.

Repairing damaged reactive colorant finishes will be evaluated under Subsection 106.02.