## Section 563. — COATING

01 JUL 2024 – FP-24

WFL Specification 01 JUL 2024 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.

Material

### 563.02

Add the following to the material list:

Weathering Agent 725.21

Construction Requirements

### 563.04 Submittals.

Amend as follows:

Delete Subsection (b) and substitute the following:

**(b)** SDS and product data sheets (PDS) for cleaning and coating 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.

WFL Specification 01 APR 2024 5630020

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

Add the following to Subsection (h):

**(1)** For weathering agent applied to galvanized steel, provide the sample with half of the sample coated and the other half uncoated.

WFL Specification 01 APR 2024 5630030

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

Add the following:

**(i)** For coatings applied to non-metallic surfaces, 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.

**(j)** For weathering agent applied to non-metallic surfaces, submit a color palette. The CO will designate the target color tone . Do not construct quality control samples before target color tone is designated.

WFL Specification 01 APR 2024 5630040

Include the following when weathering agent is required

### 563.04A Quality Control Field Samples.

(Added Subsection:)

Produce the following quality control samples in the field at approved locations.

WFL Specification 01 APR 2024 5630080

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

**(a)** Before starting field application operations, produce one quality control sample for each type of non-metallic surface to be coated. Use the designated target color tone. 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 01 APR 2024 5630090

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

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

WFL Specification 01 APR 2024 5630040

Include the following when weathering agent is required

### 563.05(e) 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. Repair damages to surfaces coated with weathering agent 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.

### 563.05(h) Application.

Add the following:

When applying weathering agent, use the coating manufacturer or their authorized application contractor to apply the coating for samples and finished products. Apply coating 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 01 APR 2024 5640050

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

Control or modify weathering agent finishes for non-metallic surfaces by custom blending weathering agent ingredients; modifying application techniques; diluting with water; or a combination thereof to produce the required finish.

WFL Specification 01 APR 2024 5630060

Include the following when weathering agent is required.

### 563.05(i) Curing.

Add the following:

When coating is applied off-site, fully cure all coats according to the manufacturer’s recommendations before shipping finished products to the project site.

WFL Specification 01 APR 2024 5630095

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

### 563.09 Structural Iron and Steel.

Add the following after the first paragraph:

For [INSERT BRIDGE NAME] Bridge, provide [INSERT PAINT SYSTEM DESCRIPTION] 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).

For [INSERT BRIDGE NAME] Bridge provide [INSERT PAINT SYSTEM DESCRIPTION] for bridge rail. Provide top coat color AMS‑STD [INSERT COLOR NUMBER] (SAE AMS-STD-595).