

EXPECTED IMPLEMENTATION JULY 2015

560 COATING NEW STRUCTURAL STEEL. (REV 12-23-14) (FA 2-9-15) (7-15)

ARTICLE 560-5 is deleted and the following substituted:

560-5 Quality Control (QC).

560-5.1 Shop Preparation and Application: Prior to applying coatings, provide a current Corporate Quality Control Plan approved by the American Institute of Steel Construction (AISC) under the Sophisticated Paint Endorsement Program or SSPC under the SSPC-QP3 certification to the State Materials Office for approval.

560-5.2 Field Preparation and Application: Provide a current Corporate QC Plan approved by SSPC under the SSPC-QP1 and/or SSPC-QP2 certifications as appropriate and a site specific Coating Plan to the Engineer at least 14 calendar days prior to beginning coatings work. Do not begin coatings work until the site specific Coating Plan has been approved by the Engineer.

560-5.3 Inspection: Ensure that all inspection equipment is maintained in accordance with the manufacturer's instructions, calibrated, and in good working condition. Ensure that all activities are observed and approved by a quality control coatings inspector meeting the requirements of this Section. Maintain daily inspection reports at the job site for review by the Engineer. Provide all daily inspection reports upon completion of the project to the Engineer or more frequently as requested by the Engineer.

ARTICLE 560-6 is deleted and the following substituted:

560-6 Qualifications.

560-6.1 Shop: Provide documentation to the Engineer at least 14 days prior to beginning work that the shop performing any work in accordance with this Section is certified by AISC Sophisticated Paint Endorsement or by SSPC to the requirements of SSPC-QP3.

560-6.2 Field Contractor: Provide documentation to the Engineer at least 14 days prior to beginning work that the field contractor performing any work in accordance with this Section is certified by SSPC to the requirements of SSPC-QP1 and/or SSPC-QP2 as appropriate.

560-6.3 Quality Control (QC) Inspectors in the Shop and Field: All personnel performing coating QC activities must be employed by the coating contractor. Provide documentation to the Engineer that all personnel performing QC inspections are certified, at a minimum, as a National Association of Corrosion Engineers (NACE) Coating Inspector Level I or a SSPC Level 1 Bridge Coating Inspector and that they report directly to a QC Supervisor who is certified either as a NACE Coating Inspector Level 3 or a SSPC Level 2 Bridge Coating Inspector.

560-6.4 Certifications: Maintain certifications for the duration of the Contract. If the certifications expire, do not perform any work until certifications are reissued.

Notify the Engineer of any change in certification status.

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SUBARTICLE 560-9.3 is deleted and the following substituted:

560-9.3 Sealing Using Caulk: Apply caulk after the intermediate coat has cured to a condition suitable for recoating in accordance with the manufacturer's product data sheet, and before application of the finish coat. Completely seal the perimeter of all cracks and crevices, joints open less than 1/2 inch, and skip-welded joints using caulk. Apply the caulk to the joint following the caulk manufacturer's recommendations. Ensure the caulk bead has a smooth and uniform finish and is cured according to the caulk manufacturer's curing schedule prior to the application of the finish coat. It is unnecessary to caulk the perimeter of faying surfaces unless otherwise directed by the Engineer. In addition, it is unnecessary to caulk cracks or crevices less than 0.003 inches in width located on the interior surface area of box girders.

SUBARTICLE 560-9.7 is deleted and the following substituted:

560-9.7 Stripe Coating: Use an aluminum epoxy mastic that is at least 80% solids by volume. Apply a stripe coat after the prime coat, but prior to applying the intermediate coat. Also apply a stripe coat after the intermediate coat but prior to the finish coat. Apply the stripe coat per the manufacturer's published product data sheet but no less than 3 mils dry film thickness. Apply both stripe coats to achieve complete coverage on welds, corners, crevices, sharp edges, bolts, nuts, rivets, and rough or pitted surfaces. A stripe coat of translucent coatings is not required. Do not apply subsequent coats until the previous stripe coat has cured per the manufacturer's product data sheet for recoating. Stripe coating is not required for the inside surface area of all steel box girders.