

Design Standards Letter

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Section: 401, 403, 1045, 1050, 1080, 1081

Subject: Revised Supplement to the 2022 Standard Specifications

TO: All Central and District Offices

FROM: Sarah Kleinschmit

DATE: January 18, 2023

SUBJECT: Standard Specifications Letter No. 2, 2023

The Supplemental Revisions to the 2022 *Missouri Standard Specifications for Highway Construction*, effective April 1, 2023, are now available on MoDOT's [website](#).

Questions regarding the Supplemental Revisions to the Missouri Standard Specifications should be directed to Jen Haller, Central Office, Engineering Policy Services, at 573-526-2918 or myself at 573-751-7412.

MINOR REVISIONS:

SECTION 401 PLANT MIX BITUMINOUS BASE AND PAVEMENT

Sec 401.7.6 Joints. Made clarification to the longitudinal joint by adding “unconfined” where appropriate.

SECTION 403 ASPHALTIC CONCRETE PAVEMENT

Sec 403.23.7.4.3 Single Lift or Leveling Course Work. Add “on Unmilled Surface” to the section title. In the first sentence, add “on an unmilled surface” after single lift.

SECTION 1045 PAINT FOR STRUCTURAL STEEL

Sec 1045.4.1 Description. Add “or organic zinc primer” after inorganic zinc primer.

Sec 1045.6.1 Description. Add “or organic zinc primers” after inorganic zinc primers.

Sec 1045.7.1 Description. Add “epoxy-based” in front of Polysiloxane and “Organic Zinc” after Inorganic Zinc in the first sentence.

Sec 1045.10 Calcium Sulfonate System. Delete section.

Sec 1045.10 Organic Zinc-Rich Primer. Add as new section.

SECTION 1050 LUMBER, TIMBER, PILING, POSTS AND POLES

Sec 1050.2.1 Posts and Blocks for Guardrail. Add clarification in the first sentence to be “furnished in accordance with AASHTO M168” and add “or planed” after standard rough sawn. Delete the last two sentences.

Sec 1050.2.3 Posts for One-Strand Access Restraint Cable. In the third sentence, add “or planed” after standard rough sawn.

Sec 1050.6 Timber Preservatives. Add, “and current AWWA Standards” to the end of the sentence.

Sec 1050.8.2 Inspection Agency. In the first sentence, delete “or an experienced testing laboratory approved by the engineer”.

SECTION 1080 STRUCTURAL STEEL FABRICATION

Sec 1080.3.3.5.6 Add a new first sentence, “Edges of principal pieces as identified in Sec 1080.2.9 shall not be produced by mechanical shearing. For other than principal pieces, sheared”.

Sec 1080.4.5.1 Coated Connections. In the second sentence, change “System H” to “system”.

Sec 1080.4.7 Bearings. In the second sentence, change “System H” to “system specified for the structure”.

SECTION 1081 COATING OF STRUCTURAL STEEL STRUCTURAL STEEL

Sec 1081.10.2 Systems of Coatings. Add “Organic Zinc Prime Coat” and properties to the table for System G, System H and System I. Remove “Inorganic” and “Silicate” from System G, System H and System I description. Delete Calcium Sulfonate System.

Sec 1081.10.3.3.1.1 Create as new Section and title it “Inorganic Zinc”. Was previously part of 1080.10.3.3.1 Cleaning.

Sec 1081.10.3.3.1.2 Organic Zinc. Create as new Section.

Sec 1081.10.3.3.3 Recleaning. Add “for inorganic zinc and SSPC-SP6 for organic zinc” to the end of the sentence.

Sec 1081.10.3.4.3.1 In the first sentence, change “System H” to “specified paint system”.

Sec 1081.10.3.4.3.2 In the first sentence, change “System H” to “the specified paint system”.

Sec 1081.10.4.2 Certification. In the first sentence, change “SSPC Certified Contractor” to “AMPP” and delete “or NACE International Institute Contractor Accreditation Program (NIICAP)”. In part (a) and (b) remove replace “SSPC” with “AMPP” and delete NIICAP reference.

Sec 1081.10.5 Overcoating of Structural Steel. Remove (Calcium Sulfonate System) from the title.

Sec 1081.10.5.2 Certification. In the first sentence, change “SSPC Certified Contractor” to “AMPP” and delete “or NACE International Institute Contractor Accreditation Program (NIICAP)”. In part (a) and (b) remove replace “SSPC” with “AMPP” and delete NIICAP reference.

Sec 1081.10.5.3 System of Protective Coatings. In the first sentence, change “Calcium Sulfonate” to “specified”. In the second sentence, change “topcoat” to “field coat”.

Sec 1081.10.5.5 Application. In the fifth sentence, change “topcoat” to “field coat”. In the sixth sentence, change “Calcium Sulfonate” to “specified”. Delete last two sentences, regarding rust penetrating sealer.

Sec 1081.10.5.6 Identification. In the first sentence, change “Calcium Sulfonate” to “System”.

Sec 1081.10.7 Organic Zinc-Rich Primer. Add as new Section.

SKK/JNH