**Design Standards Letter**

**Letter Number: S-2019-02**

**Letter Date: 01/25/2019**

**Effective Date: 04/01/2019**

**Section: 104, 107, 202, 501, 505, 610, 613, 623, 703, 704, 712, 717, 725**

**Subject: Revised Supplement to the 2018 Standard Specifications**

**TO:** All Central and District Offices

**FROM:** Sarah Kleinschmit

**DATE:** January 25, 2019

**SUBJECT:** Standard Specifications Letter No. 2, 2019

The Supplemental Revisions to the *2018 Missouri Standard Specifications for Highway Construction*, effective April 1, 2019 are now available on MoDOT’s website.

Questions regarding the Supplemental Revisions to the Missouri Standard Specification should be directed to Tim Oligschlaeger, Central Office, Engineering Policy Services, at 573-751-3813 or myself at 573-751-7412.

**MINOR REVISIONS:**

**SECTION 104 SCOPE OF WORK**

*Sec 104.6.3.2* Deleted the last sentence, “All costs incurred by MoDOT to review and implement the VECP will be at the Commission’s expense.” and replaced with, “All routine internal costs incurred by MoDOT to review and implement the VECP will be at the Commission’s expense. Major redesign costs, and design/review costs of any amount charged by a consultant to the Commission, will be deducted from the gross savings.”

**SECTION 107 LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC**

*Sec 107.10.4* New subsection, “Oil distributors or tanker trucks used for the transport or application of any petroleum-based products, and that have a capacity greater than 1,320 gallons, shall not be left unattended on MoDOT right of way within the project limits during non-construction hours unless secondary containment is deployed as per the Spill Prevention Control & Countermeasure rule. Parking of these vehicles on MoDOT right of way outside of the project limits, or on any MoDOT owned property, shall not be allowed without the aforementioned secondary containment and prior authorization from the engineer.”

**SECTION 501 CONCRETE**

*Sec 501.10.4* Added language to clarify re-dosing, “The contractor shall immediately contact the concrete supplier to make adjustments to all remaining truckloads so they arrive within specifications.  If no adjustments are made, re-dosing will not be allowed for subsequent truckloads.”

**SECTION 610 PAVEMENT SMOOTHNESS**

*Sec 610.4.5.4 Method of Correction* In Table 1, changed Maximum Segment IRI to 125 under Posted speed ≤ 45 MPH for Full Depth Pavement or Multi-Lift Overlay > 3-inches.

**SECTION 703 CONCRETE MASONRY CONSTRUCTION**

*Sec 703.3.8 Surface Sealing for Concrete* Changed the last sentence from, “The surface of all other dense concrete overlays shall be sealed.” to “The surface of all other concrete overlays shall be sealed.”

**SECTION 712 STRUCTURAL STEEL CONSTRUCTION**

*Sec 712.5.3 Anchor Bolts* Deleted the follow language in the first sentence, “permanently placed galvanized corrugated steel pipe in accordance with AASHTO M36 Type 1 avoiding direct metallic contact with other reinforcement.” Combined the second sentence with the remaining first sentence and changed the text to “removable forming material which shall not be left in place.” Changed “reinforcements” to “reinforcing steel” in the third sentence.

**SECTION 725 METAL PIPE AND PIPE ARCH CULVERTS**

*Sec 725.4.1 Bedding and Backfill Material.* Revised the last sentence from, “Flowable backfill, such as low strength mortar may also be used providing flotation resistance and adequate void fill coverage.” to “Flowable backfill, such as low strength mortar, may also be used, provided adequate precautions are taken to prevent the pipe from floating and to fill all voids (including pipe corrugations) in the trench.”

**MAJOR REVISIONS:**

**SECTION 202 REMOVAL OF ROADWAYS AND BUILDINGS**

*Sec 202.2.1* Changed title from “Disposal of Material” to “Containment and Disposal of Material.” Added, “All abrasives used in blasting activities shall be collected using a containment system or enclosure to prevent the release of material to the environment.” as the first sentence of the section.

**SECTION 505 BRIDGE DECK CONCRETE WEARING SURFACE**

*Sec 505.10.6.3* Added, “Containment and disposal of material shall be in accordance with Sec 202.2.” as the sixth sentence in the section.

*Sec 505.20.6.2* Added, “Containment and disposal of material shall be in accordance with Sec 202.2.” as the last sentence in the section.

*Sec 505.40.7.3* Added as new section. Containment and disposal of material shall be in accordance with Sec 202.2.

**SECTION 613 PAVEMENT REPAIR**

*Sec 613.20.3.2 Cleaning* Added, “Containment and disposal of material from sandblasting or shotblasting shall be in accordance with Sec 202.2.” as the third sentence in the section. Replaced “residue” with “remaining loose material” in the last sentence.

*Sec 613.30.3.2 Cleaning* Removed high pressure water blasting from the second sentence. Added, “Containment and disposal of material from sandblasting or shotblasting shall be in accordance with Sec 202.2.” as the third sentence in the section. Replaced “residue” with “remaining loose material” in the last sentence.

*Sec 613.40.3.1* Added, “Containment and disposal of material from sandblasting shall be in accordance with Sec 202.2.” as the twelfth sentence in the section.

**SECTION 623 CONCRETE BONDING COMPOUND, EPOXY MORTAR AND EPOXY POLYMER CONCRETE OVERLAY**

*Sec 623.30.3.4 Surface Preparation* Added, “Containment and disposal of material shall be in accordance with Sec 202.2.” as the last sentence in the section.

*Sec 623.40.4.2 Surface Preparation* Added, “Containment and disposal of material shall be in accordance with Sec 202.2.” as the sixth sentence in the section.

**SECTION 703 CONCRETE MASONRY CONSTRUCTION**

*Sec 703.3.3.10.2* Added, “Containment and disposal of material shall be in accordance with Sec 202.2.” as the second sentence in the section.

**SECTION 704 CONCRETE MASONRY REPAIR**

*Sec 704.4.2.1 Patch Preparation Requirements* Added, “Containment and disposal of material shall be in accordance with Sec 202.2.” as the second sentence in the section.

*Sec 704.4.2.2 Epoxy Sealing Preparation* Added, “Containment and disposal of material shall be in accordance with Sec 202.2.” as the second sentence in the section.

**SECTION 717 FLEXIBLE JOINT SYSTEMS**

*Sec 717.10.3.2 Installation* Added, “Containment and disposal of material shall be in accordance with Sec 202.2.” as the fifth sentence in the section.

*Sec 717.20.3.2 Installation* Added, “Containment and disposal of material shall be in accordance with Sec 202.2.” as the third sentence in the section.

*Sec 717.30.3.2 Surface Preparation* Added, “Containment and disposal of material shall be in accordance with Sec 202.2.” as the eighth sentence in the section.

*Sec 717.40.3.5* Added new section, “Containment and disposal of material shall be in accordance with Sec 202.2.”

*Sec 717.60.3.1 Surface Preparation* Added, “Containment and disposal of material shall be in accordance with Sec 202.2.” as the eighth sentence in the section.

SKK/TMO