

# Design Standards Letter

**Letter Number:** S-2023-03

**Letter Date:** 04/20/2023

**Effective Date:** 07/01/2023

**Section:** 107, 401, 402, 409, 609.60, 611, 617, 1015, 1029, 1040, 1042, 1062, 1063, 1064

**Subject:** New Publications of the 2023 Standard Specifications

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**TO:** All Central and District Offices

**FROM:** Sarah Kleinschmit

**DATE:** April 20, 2023

**SUBJECT:** Standard Specifications Letter No. 3, 2023

The Supplemental Revisions to the *2022 Missouri Standard Specifications for Highway Construction* are now included in the new publication of the *2023 Missouri Standard Specification for Highway Construction* along with the following additional revisions listed below. The *2023 Missouri Standard Specifications for Highway Construction* effective July 1, 2023 is 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.

## **MAJOR REVISIONS:**

### **SECTION 401 PLANT MIX BITUMINOUS BASE AND PAVEMENT**

*Sec 401.2.2 Reclaimed Asphalt.* Change table regarding binder from “Virgin Binder shall be softened one grade” to “PG 58-28 Virgin Binder shall be required”. Further define what is allowed with recycling limits for the Binder.

### **SECTION 409 SEAL COAT**

*Sec 409.2.1* Add new section pertaining to contractor and engineer testing frequency for gradation and deleterious.

*Sec 409.2.1-409.2.3* Renumber to accommodate new section.

## **MINOR REVISIONS:**

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

*Sec 107-* Modifications throughout entire section.

## **SECTION 401 PLANT MIX BITUMINOUS BASE AND PAVEMENT**

*Sec 401.7.6 Joints.* Made additional clarification to the location of the longitudinal joint on the centerline and shoulder by adding “near the centerline, and centered 12 inches from the unconfined longitudinal joint near the shoulder.”

## **SECTION 402 PLANT MIX BITUMINOUS SURFACE LEVELING**

*Sec 402.10.1 Weather Limitations.* Change this section to incorporate the “Alternate Weather Limitations” clause that was in the Supplemental Revisions. Added *402.10.1.1 Cold Weather Paving* as a new section that defines the actions required to implement.

## **SECTION 609.60 ROCK DITCH LINER**

*Sec 609.60.2 Material.* Remove “Fabric” from item description.

*Sec 609.60.3 Construction Requirements.* Add new last sentence “Geotextile shall be placed under the rock blanket as shown on the standard plans and in accordance with [Sec 624](#).”

*Sec 609.60.4 Method of Measurement.* Add new last sentence “Geotextile will be measured and paid in accordance with [Sec 624](#).”

## **SECTION 611 EMBANKMENT PROTECTION**

*Sec 611.30.2 Material.* Add new last sentence “All material shall be in accordance with Division 1000, Material Details and specifically as follows:” Add new table with Item “Geotextile” and Section “1011”.

*Sec 611.30.3 Construction Requirements.* Add new third sentence “Geotextile shall be placed under the rock blanket as shown on the plans and in accordance with [Sec 624](#).”

*Sec 611.30.4 Method of Measurement.* Add new last sentence “Geotextile will be measured and paid in accordance with [Sec 624](#).”

## **SECTION 617 CONCRETE TRAFFIC BARRIER**

*Sec 617.20.3 Certification.* Add new second sentence “Type F three-loop temporary concrete barrier is required to meet NCHRP 350 requirements regardless of manufacturing date and may be used until January 1, 2030.” In third sentence, change “Non-MASH 2016” to “All other”. In the last sentence, add “other” between all and temporary.

## **SECTION 1015 BITUMINOUS MATERIAL**

*Sec 1015.10.3.1* Change the second sentence from a fragment to a complete thought.

## **SECTION 1029 FABRICATING PRESTRESSED CONCRETE MEMBERS FOR BRIDGES**

*Sec 1029.6.1 Shop Drawings.* Add clarification to the last sentence to be “from the fabricator”.

*Sec 1029.6.13. Handling.* Break section into two parts, *Sec 1029.6.13.1 Storage* and *1029.6.13.2 Transporting*. In *Sec 1029.6.13.1 Storage*, change “position” to “bearing locations”. Rearranged previous paragraph to the new subsection the information pertains to.

## **SECTION 1040 GUARDRAIL, End TERMINALS, ONE-STRAND access restraint CABLE AND Three-Strand GUARD CABLE MATERIAL**

*Sec 1040.3.3 Plastic Boxes.* Add “2016” behind MASH.

*Sec 1040.3.3.1 Approval.* Add “2016” behind MASH.

*Sec 1040.5.2 Manufacture’s Approval.* Add “2016” behind MASH.

## **SECTION 1042 HIGHWAY SIGN MATERIAL**

*Sec 1042.3.1.1* Add “Except as otherwise allowed for extruded aluminum panels in *Sec 1042.3.1.2*” to the beginning of the first sentence.

*Sec 1042.3.1.2* Add new section to allow untreated bare aluminum state.

*Sec 1042.3.1.2-1042.3.1.4* Increase section number by 1 to accommodate for new section 1042.3.1.2.

## **SECTION 1062 PULL AND JUNCTION BOXES**

*Sec 1062.4 Junction Boxes.* In the fourth sentence, add “or NEMA 4X” between NEMA4 and enclosures. Remove existing table and add new table for Junction Box Placement and minimum size.

## **SECTION 1063 TEMPORARY TRAFFIC CONTROL DEVICES**

*Sec 1063.2 General Requirements.* Add new sixth sentence, “Type F three-loop temporary concrete barrier is required to meet NCHRP 350 requirements regardless of manufacturing date and may be used until January 1, 2030”.

## **SECTION 1064 TEMPORARY TRAFFIC BARRIER**

*Sec 1064.3.1 Approval.* Add “2016” behind MASH.