**Design Standards Letter**

**Letter Number: S-2021-01**

**Letter Date: 11/02/2020**

**Effective Date: 01/01/2021**

**Section: 612, 620, 717, 733, 902, 1080**

**Subject: Revised Supplement to the 2020 Standard Specifications**

**TO:** All Central and District Offices

**FROM:** Sarah Kleinschmit

**DATE:** November 2, 2020

**SUBJECT:** Standard Specifications Letter No. 1, 2021

The Supplemental Revisions to the *2020 Missouri Standard Specifications for Highway Construction*, effective January 1, 2021 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 612 IMPACT ATTENUATORS**

*Sec 612.4.2. Sand Filled Impact Attenuator.* Changed section title to Impact Attenuator Array (Sand Barrels). Removed Configuration from the beginning of the section and changed “sand filled impact attenuators” to “impact attenuator arrays”.

*Sec 612.5.1.* Deleted section and replaced with, “The accepted quantity of truck or trailer mounted attenuators will be paid at the contract unit price. Impact attenuator arrays (sand barrels), will be paid for at the contract unit price for each impact attenuator array per the manufacturer’s recommendations for the posted speed limit. Relocation of impact attenuator arrays will be paid for at the contract unit price included in the contract.”

*Sec 612.5.2.* Added “per each sand barrel” to the end of the first sentence.

**SECTION 620 PAVEMENT MARKING**

*Sec 620.20.2.6.1.* Updated the reference to Sec 620.3.3 to Sec 620.3.

**SECTION 717 FLEXIBLE Joint Systems**

*Sec 717.50.3.1 Field Splices.* Renumbered to *717.50.3.2* and added new section, “*717.50.3.1 Shop Drawings.*Shop drawings for structural steel for expansion joint systems shall be prepared in accordance with Sec 1080. The dimensions of the open cell foam shall be shown on the shop drawings for the armored joint. Shop drawings will not be required when the open cell foam is placed against concrete or existing steel armor”.

*Sec 717.50.5 Basis of Payment.* Removed, “for Open Cell Foam Joint” from the end of the section.

*Sec 717.60.3.1 Surface Preparation.* Renumbered to *717.60.3.2* and added new section, “*717.60.3.1 Shop Drawings.*Shop drawings for structural steel for expansion joint systems shall be prepared in accordance with Sec 1080. The dimensions of the preformed silicone or EPDM seal shall be shown on the shop drawings for the armored joint. Shop drawings will not be required when the preformed silicone or EPDM seal is placed against concrete or existing steel armor”.

*Sec 717.60.3.2 Priming.* Renumbered to *717.60.3.3.*

*Sec 717.60.3.3 Installation.* Renumbered to *717.60.3.4.*

*Sec 717.60.5 Basis of Payment.* Removed, “for Preformed Silicone or EPDM Expansion Joint” from the end of the section.

**SECTION 733 PRECAST CONCRETE BOX CULVERTS**

*Sec 733.2 Material.* In the first line of the table, changed “Subsurface Drainage Geotextile” to “Separation Geotextile”.

*Sec 733.3.2.1.2.* In the last sentence, changed “subsurface drainage geotextile” to “separation geotextile”.

**SECTION 902 TRAFFIC SIGNALS**

*Sec 902.16.7 External Conduit on Structure.* In the sixth sentence added an “or” before ASTM B695 to make AASHTO M 232 (ASTM A153), Class C, or ASTM B695, Class 55.

**SECTION 1080 STRUCTURAL STEEL FABRICATION**

*Sec 1080.3.1.2 Notification of Inspection.* Changed that the Bridge Division shall be notified instead of the engineer.

*Sec 1080.3.2 Shop Drawings.* In the fifth sentence, clarified that shop drawings shall be submitted electronically to the Bridge Division for approval in stead of Bridge.

SKK/TMO