

Design Standards Letter

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Letter Date: 05/16/2024

Effective Date: 07/01/2024

Section: 109, 216, 606, 610, 704, 902, 1040

Subject: New Publications of the 2024 Standard Specifications

TO: All Central and District Offices

FROM: Amy Crawford

DATE: May 16, 2024

SUBJECT: Standard Specifications Letter No. 3, 2024

The Supplemental Revisions to the *2023 Missouri Standard Specifications for Highway Construction* are now included in the new publication of the *2024 Missouri Standard Specification for Highway Construction* along with the following additional revisions listed below. The *2024 Missouri Standard Specifications for Highway Construction* effective July 1, 2024 is now available on MoDOT's [website](#).

Questions regarding the Supplemental Revisions to the Missouri Standard Specifications should be directed to myself in Central Office, Engineering Policy Services, at 573-751-6905.

MAJOR REVISIONS:

SECTION 606 GUARDRAIL, CRASHWORTHY END TERMINALS, ONE-STRAND ACCESS RESTRAINT CABLE AND HIGH-TENSION GUARD CABLE (change “three-strand” to “high-tension” in the title)

Sec 606.1 Description. Change “three-strand” to “high-tension” as the guard cable description.

Sec 606.2 Material. Change “three-strand” to “high-tension” as the guard cable description.

Sec 606.2.3 Aesthetic Guardrail. Change “NCHRP 350” reference to “MASH 2016”.

Sec 606.3.1.1 Change “three-strand” to “high-tension” as the guard cable description.

Sec 606.40.2 Construction Requirements. Delete last sentence, “Only one splice will be permitted between anchors, located between the line posts. Splices will not be permitted in spans adjacent to the anchor and cable end assemblies”.

Sec 606.40.2.1 Line Posts. Add as new section.

Sec 606.40.2.2 Anchor Assemblies. Add as new section.

Sec 606.50 HIGH-TENSION GUARD CABLE. Change “three-strand” to “high-tension” in the sub-section heading.

Sec 606.50.1 Description. Change “three-strand” to “high-tension” in the guard cable description. Add new sentence “High-tension guard cable systems shall be fabricated and installed in accordance with the manufacturer’s approved shop drawings, recommendations and as shown on the plans, or as directed by the engineer.” Remove “all hardware, appurtenances and aggregate bedding”.

Sec 606.50.2 Construction Requirements. Delete section.

Sec 606.50.2.1 Line Posts. Delete section.

Sec 606.50.2.2 Anchor Assemblies. Delete section.

Sec 606.50.2.3 Cables. Delete section.

Sec 606.50.2.4 Aggregate Bedding. Delete section.

Sec 606.50.2 Delineators. Renumber section to account for deleted sections.

Sec 606.50.3 Method of Measurement. Delete entire section.

Sec 606.50.4 Basis of Payment. Delete section.

SECTION 610 PAVEMENT SMOOTHNESS

Sec 610.3 Certification. Change process from the MoDOT site, to a MoDOT approved site or technician certification program.

Sec 610.5.5 Dispute Resolution. Change requirements of third-party testing entity. Defined which profile will be the binding profile for construction acceptance.

SECTION 1040 GUARDRAIL, CRASHWORTHY END TERMINALS, ONE-STRAND ACCESS RESTRAINT CABLE AND GUARD CABLE MATERIAL (remove three-strand from title)

Sec 1040.1 Scope. Remove three-strand from guard cable description.

Sec 1040.5.2 Manufacturer’s Approval. Change requirement from “manufacturer” to “contractor” for responsibility of who shall submit the information to MODOT.

Sec 1040.7.2 GUARD CABLE. Remove “three-strand” from sub-section heading.

Sec 1040.7.2 Cable and Connecting Hardware. Add “at a minimum” to describe breaking strength of a 25,000-pound single cable.

Sec 1040.7.2.2 Cable Brackets. Add “at a minimum” to describe the 25,000-pound round cable.

Sec 1040.8.1 Manufacturer’s Approval. Add as new section.

Sec 1040.9 Repair of Galvanizing. Remove “three-strand” as the description of the guard cable item in the table. And in section (g) add “or MASH 2016” behind “NCHRP 350”.

MINOR REVISIONS:

SECTION 109 MEASUREMENT AND PAYMENT

Sec 109.14 – Sec 109.14.4 Price Adjustment for Fuel. Update Section to reference new method and calculations for determining fuel adjustment.

SECTION 216 REMOVALS FOR BRIDGE STRUCTURES

Sec 216.110.4.4.2. Add new sentence to end of section, “The requirements of the deck repair methods as called for in the contract plans and as specified in Sec 704.5 shall be considered when determining the appropriate concrete removal method.”

SECTION 704 CONCRETE MASONRY REPAIR

Sec 704.5.5.2. Add new to the end of the section, “Removal of concrete around the perimeter of the bar, as specified in Sec 704.4.1.4.2 is not required for areas where the bond between existing concrete and reinforcing steel has not been compromised, as determined by the engineer. Partially exposed reinforcing steel that is bonded to the deck concrete is acceptable.”

SECTION 902 TRAFFIC SIGNALS

Sec 902.25.2. Add clarification to Accessible Pedestrian Signals method of measurement description.

ABC/JNH