

Design Standards Letter

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Section/Plan No.: **S0102, S0106, S0206, S0304, S0308, S0401, S0402, S0403, S0404, S0502, S0604, S0616, S0617, S0706, S0805, S0902, S1048, S1051, S1063**

Subject: **Revised General Special Provisions and Revised D-14 Form**

Body

Attached are revised General Special Provisions and a revised D-14 Sheet. The revised General Special Provisions are effective with the March, 1994 letting. The following is a brief summary of the revisions.

Sec 102: Bidding Requirements and Conditions

Section 102.8 is revised to allow the contractor to submit electronically produced copies of the bid bond form provided that the form is without deviation from the Commission furnished bid bond form.

Sec 106: Control of Material

Section 106.3 is revised to delete reference to Appendix A in the Standard Specification Book. Appendix A was deleted in the 1993 Standard Specification Book.

Sec 206: Excavation for Structures

Section 206.6.3 is revised to clarify payment for foundation materials. This revision has previously been handled by the use of a job special provision.

Section 206.6.3.1 is a new section added to cover payment for Class C Excavation which is unexpectedly encountered for retaining walls with spread footings.

Sec 304: Aggregate Base Course

Section 304.4.3, Measurement of Processing, is deleted in its entirety and Section 304.4.4 is renumbered to 304.4.3.

Sec 308: Portland Cement-Treated Bases

Section 308.26.3 describing measurement of processing is deleted in its entirety. This revision has previously been handled as a job special provision.

Sec 401: Plant Mix Bituminous Pavement

Section 401.10 is revised to make the wording of Section 401.10 consistent with the wording of Section 402.10 and 403.19.2 concerning pavement marking at a longitudinal joint.

Sec 403: Asphaltic Concrete Pavement

Section 403.3.7 is a new section added to limit the amount of chat sand produced from flint chat in the Joplin area. This added specification has previously been handled as a job special provision. Section 403.20 through 403.27 are revised to bring the profilograph specification more in line with current field practice and to provide for the evaluation of the profilogram by the contractor.

Sec 404: Bituminous Mixing Plans

Section 404.5.1 is revised to delete reference to any specific drum design. New plant designs employ both parallel flow and counter flow drums. There are also plants using multiple drums and drum- in-a-drum design.

Sec 502: Portland Cement Concrete Pavement

Section 502.11.2 is revised to allow for the placement of transverse construction joints on pavements constructed with the new pavement design theory which has 15 foot contraction joint spacing. This revision has previously been handled as a job special provision.

Sec 603: Water Line Installation

Section 603 is revised to delete any reference to cast iron pipe since cast iron pipe is no longer manufactured. Cast iron has been replaced by ductile iron pipe.

Sec 604: Miscellaneous Drainage

Section 604.60 for slotted Drain is revised to better correlate the specifications to the Type A, B or C Slotted Drains as shown on the standard plans and bid items.

Sec 616: Traffic Control Plan

Section 616.2 is revised to include reference to material specification Section 1063 for Flexible Non-Metallic Drum-Like Channelizers. This revision has previously been handled as a job special provision.

Section 616.3.1 is revised to add delineators to traffic control devices to be furnished, installed, maintained, cleaned and relocated by the contractor. The revision also requires that all traffic control devices meet the requirements of the latest edition of Missouri Quality Standards for Work Zone Traffic Control Devices. Section 616.3.1.1 is a new section added to require that all construction signs meet the requirements of the latest edition of Missouri Quality Standards for Work Zone Traffic Control Devices.

Sec 617: Concrete Traffic Barrier

Section 617.3.7 is a new section added to provide requirements for traffic barrier that is specified to have a 13 inch stripe.

Sec 706: Reinforcing Steel for Concrete Structures

Section 706.3.2 is revised to delete the requirement of 24 bar diameters for the length of bar lap in splices.

Sec 805: Seeding

Section 805.2.1 is revised to make the specification requirements for native grass seed less restrictive.

Sec 902: Traffic Signals

Section 902.5.7.1 is revised to clarify the specification regarding the termination of the cable run at the signal terminal compartment, if one is provided, instead of continuing the run into the signal head.

Sec 1048: Pavement Marking Materials

Section 1048.2.5 is revised to modify the reflectance value.

Section 1048.3 for Type 2 Preformed Marking Tape is deleted and the remaining sections are renumbered.

Renumbered Section 1048.4.6 for Preformed Removable Pavement Marking Tape is revised for durability testing.

Renumbered Section 1048.5.5 for Preformed Short Term Pavement Marking Tape is revised for durability testing.

Sec 1051: Slotted Drain

The revision coordinates the material specification for Types A, B or C Slotted Drain as Stated in Section 604.60 and Shown in standard plans.

Sec 1063: Traffic Control Materials

Section 1063 is a new section added to provide material specifications for Flexible Non-Metallic Drum-Like Channelizers as specified in Section 616.

This new specification was previously handled by the use of Materials Division MRSP 91-05A.

vji/kd

Enclosures