

Design Standards Letter

Letter Number: S-2011-02

Letter Date: 03/28/2011

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Section/Plan No.: 104, 107, 201, 206, 303, 304, 609, 613, 623, 703, 706, 730, 802, 806, 1006, 1007, 1009, 1018, 1010, 1015, 1030, 1039, 1041, 1057, 1080

Subject: Revised Supplement to the Standard Specifications

Body

The Supplemental Specifications to the *2004 Missouri Standard Specifications for Highway Construction*, effective April 1, 2011 are now available. These revisions will be in effect with the April 2011 bid opening.

Questions regarding the Supplemental Revisions to the Standard Specifications should be directed to Sam Niederhelm, Central Office, Engineering Policy Group, at 573-526-5645 or myself at 573-751-3813.

MINOR REVISIONS:

Sec 206

Sec 206.6.7 – Clarified language to include other features as indentified by engineer.

Sec 609

Sec 609.10.3.3

Sec 609.10.3.4 – Clarified reference to application rate of curing compound.

Sec 623

Sec 623.30.3.3 – Included language from Sec 623.30.3.3.1 and clarified surface preparation.

Sec 623.30.3.1 – Revised to require no visible moisture on prepared deck prior to addition of overlay.

Sec 623.30.7.3 – Revised to require temperature less than 90 F for overlay application.

Sec 704

Sec 704.3.8 – Revised number for epoxy sealing to Sec 704.3.9.

Sec 1018

Sec 1018.3.4 – Revised to correct spelling error.

Sec 1018.4.3 – Revised to correct spelling error.

Sec 1057

Sec 1057.10 – Clarified silicone sealant type.

Sec 1080

Sec 1080.3.4 – Revised to include all requirements of Occupational Safety and Health Administration (OSHA) to be met.

MAJOR REVISIONS:**Disadvantaged Business Enterprise (DBE) Program Requirements**

12.0 (a) – Clarified that DBE firms are to be certified for a particular type of work prior to due date for receiving bids.

Sec 104

Sec 104.4.2 – Revised to include other information in accordance with the procedures in Sec 104.4.

Sec 107

Sec 107.13.2.1

Sec 107.13.2.2 – Revised insurance coverage limits to adequate levels according to sovereign immunity limits for Missouri public entities.

Sec 201

Sec 201.2.5.1 – Revised to limit open burning to small quantities.

Sec 303

Sec 303.3.5 – Revised to allow reclaimed asphalt or concrete on final top two inches of rock base.

Sec 304

Sec 304.2

Sec 304.3.4.1 – Revised to include Type 7 aggregate base.

Sec 304.3.4 – Revised to allow for dynamic cone penetration index value to be used for compaction.

Sec 304.3.4.3 – Added Type 7 aggregate to provide specifications for compaction.

Sec 304.3.4.3.1 – Added Type 7 aggregate to provide specifications on moisture content during mixing and spreading operations.

Sec 304.3.4.3.2 – Added Type 7 aggregate base testing requirements for final compaction.

Sec 304.4.1 – Revised table to include Type 7 base.

Sec 304.4.1.2 – Revised to include Type 7 base.

Sec 304.4.1.3 – Revised to include Dynamic Cone Penetrometer (DCP) index values for use with Type 7 base.

Sec 304.4.2 – Revised to clarify quality assurance with Type 1 and 5 bases and updated table to include No. 8 sieve and tolerance of +4.0%.

Sec 613

Sec 613.3.2 – Revised to require contractors to provide a reclamation plan to the engineer.

Sec 802

Sec 802.2.1 – Revised to allow use of composted material from clearing and grubbing operations.

Sec 703

703.2 – Revised table to add “Concrete Curing Materials” and “Material for Joints” and updated section references.

703.2.1 – Added title heading of “Concrete Requirements”.

703.2.2 – Added title heading of “Material Source Changes”.

703.3.6 – Added title heading of “Curing Concrete”.

703.3.6.1 – Added clarification of the use of curing compounds for bridge decks.

703.3.6.1.1 – Added clarification of the application rate of approved material to be applied at manufacturer’s recommended rate.

703.3.6.1.2 – Added specification for the use of curing compound when conventional texturing is specified.

703.3.6.1.3 – Add specification for the use of curing compound when diamond grinding is specified.

703.3.6.1.4 – Added specification for covering during wet curing of concrete.

703.3.6.1.5 – Added specification for opening concrete to construction activities.

703.3.6.1.6 – Added specification for opening concrete to traffic.

703.3.6.1.7 – Added curing specification for railroad bridge decks that are to be waterproofed.

703.3.6.2 – Revised to add heading title “Concrete Masonry”.

703.3.6.2.1 – Revised to prohibit curing with damp-proofed surfaces.

703.3.6.2.2 – Revised to add title heading “Footings”.

703.3.6.2.3 – Revised to add title heading “Precast Members”.

703.3.6.3 – Added specification for curing after finishing operations.

703.3.6.3.1 – Added specification that curing be performed in accordance with Sec 703.6.1, except for curbs, parapets, medians and bridge barriers.

703.3.6.3.2 – Added title heading “Curbs, Parapets, Medians and Bridge Barrier”.

703.3.6.3.2.1 – Added specification for curing compounds on sealed masonry and wet curing for other bridge elements.

703.3.6.3.2.2 – Added specification for the application rate of curing material.

703.3.8 – Revised application rates for concrete sealant.

703.3.8.1 – Added title heading “Latex Modified Concrete” and clarified bridge barrier curb.

703.3.8.2 – Added title heading “Low Slump Concrete” and clarified bridge barrier curb.

Sec 706

706.3.1 – Clarified tying of steel mats in bridge decks and top slabs of culverts.

Sec 730

Entirety – Revised to Thermoplastic Pipe to mirror AASHTO and revised all plastic pipes references.

Sec 802

Sec 802.2.1 – Revised to allow use of composted material from clearing and grubbing operations.

Sec 806

Sec 806.4.10 – Revised to encourage contractors to incorporate mulch from clearing and grubbing operations for temporary erosion control.

Sec 806.4.11 – Revised to require contractors to remove temporary erosion control after permanent erosion control measures are established.

Sec 1006

Sec1006.2 – Revised to include reclaimed concrete.

Sec1006.4 – Added specification for visual inspection for small quantities when sampling is not practical.

Sec1006.4.1 – Added specification for allowing commercial aggregate when quantities are less than 500 tons.

Sec 1007

Sec1007.4 – Added title heading “Type 7 Aggregate”.

Sec1007.4.1

Sec 1007.4.2 – Added specifications for material requirements for Type 7 aggregate.

Sec 1009

Sec1009.3.3

Sec 1009.3.4

Sec 1009.3.5 – Revised specifications to allow reclaimed concrete.

Sec 1010

Sec1010.2 – Revised specification to allow reclaimed concrete.

Sec1010.3.5 – Renumbered section and removed *Sec 1010.3.5.2* entirely.

Sec 1015

Sec1015.4 – Revised specification removing blending quantities less than 800 gallons in tanks or in tank trucks.

Sec1015.10.3 – Revised specification to clarify the use of ground tire rubber (GTR).

Sec1015.10.4 – Added specification for GTR characteristics.

Sec1015.10.4.1 – Added specification for GTR modification process.

Sec1015.10.4.1.1 – Added specification for blending at HMA plants.

Sec1015.10.4.1.2 – Added specification for terminal blending.

Sec 1030

Sec1030.2 – Revised pipe class reference.

Sec 1039

Sec1039.30.3 – Revised curing requirements for epoxy or polyester agents for dowels to be in accordance with manufacturer's recommendation.

Sec1039.40.3 – Revised epoxy bonding agents for resin anchors to be less than 24 hours or manufacturer's recommendation.

Sec 1041

Entirety – Added specifications for polypropylene pipe material requirements.

Sec 1047

Entirety – Revised specifications for corrugated polyethylene culvert pipe.