

Design Standards Letter

Letter Number: S-2007-04

Letter Date: 08/30/2007

Effective Date: 10/01/2007

Section/Plan No.: SEE BELOW

Subject: Revised Supplement to the Standard Specifications

Body

The Supplemental Specifications to the *2004 Missouri Standard Specifications for Highway Construction*, effective October 1, 2007 are now available. These revisions will be in effect with the October 2007 bid opening.

Questions regarding the Supplemental Revisions to the Standard Specifications should be directed to Brian K. Williams, Central Office, Engineering Policy Group, at 573-751-9254 or myself at 573-751-3813.

MINOR REVISION:

Sec 725

Sec 725.4 – Minor spelling correction.

Sec 726

Sec 726.4 – Minor spelling correction.

Sec 728

Sec 728.3.5 - Minor spelling correction.

Sec 730

Sec 730.3.5 – Minor spelling correction.

MAJOR REVISION:

General Provisions

Training Provision – This provision has been revised to address areas of program administration and non-compliance sanctions.

Sec 702

Sec 702.3.5 – Revisions to the Hammer Energy table are as follows:

- Steel shells for cast in place – Created an optional requirement similar to requirements for structural steel.
- Structural steel – Included the mandrel in the weight if used for option (a). Revised option (b) measurement values to be kps and modified the bearing value to be the normal (ultimate) bearing value. Increased the value to 8,000ft-lb (10,850 N-m) for option (c)

Sec 702.4.10 – Changed the current dynamic bearing formulas to follow the FHWA Gates Formula.

Sec702.4.10.2 – Adjusted this section to follow the new bearing formula values.

Sec 702.4.11 – Revised requirements that all piles are to be driven to attain bearing values no less than that shown on the plans. References to “practical refusal” in latter portions of the section were replaced with “pile refusal on hard rock”.

Sec 616

Sec 616.3.1 – Added new section to incorporate apparel requirements as set forth by 23 CFR Part 630 and Part 624 RIN 2125-AF11.

Sec 616.3.2 and 616.3.3 – Previous sections 616.3.1 and 616.3.2.

Sec 616.3.4 – Incorporated contractor requirements for providing certified representatives regarding traffic management, safety, and mobility aspects.

Sec 616.4.2.5 through Sec 616.4.2.5.1 – Incorporated performance criteria for work zone maintenance, outlining the deduction process for noncompliance with traffic control deficiency corrections.

Sec 616.10.1 – Added deduction table for noncompliance with traffic control deficiency corrections.

Sec 616.10.2 – Previous Sec 616.10.1.

Sec 620

Sec 620.2.2.1 – Added guidelines for pavement marking placement when

incorporated in rumble strips.

Sec 620.2.2.2 – Deleted, content is covered by *Sec 620.2.5*. Subsequent sections have been renumbered.

Sec 620.2.3.1 – Added option for the contractor to clean pavement markings prior to reflective testing. Modified duration for when retroreflectivity measurements will be completed.

Sec 620.2.4.1 – Deleted extruded and hot spray thermoplastic marking materials from the table. Added requirements for polyurea pavement marking material.

Sec 620.2.4.3 – Incorporated a deduction table for pavement marking based on average retroreflective readings.

Sec 620.2.5.3 – Added options for temporary marking that will be in place more than 15 days.

Sec 620.10.3.1.3 – Revised to require intersection markings be Type 2 marking tape.

Sec 620.10.4 – Added new section that covers acceptance of pavement markings and intersection markings.

Sec 620.10.5 through 620.10.6 - Previously *Sec 620.10.3.2* through *Sec 620.10.3.3*.

Sec 620.20 through 620.20.3.10 – Deleted extruded thermoplastic specifications and renumbered subsequent sections.

Sec 620.80 through 620.80.5 – Deleted hot spray thermoplastic specifications and incorporated polyurea specifications into *Sec 620.80*.

Sec 620.90.2.1 and 620.90.2.2 – Deleted sections establishing just one type of epoxy marking material.

Sec 620.100 through 620.110.4 – Deleted snowplowable raised pavement marker and snowplowable raised pavement marker rehabilitation specifications. Incorporated applicable sections related to SRPM rehabilitation into job special provision, JSP-07-07 Snowplowable Raised Pavement Marker Rehabilitation and Removal.

Sec 626.2 – Incorporated guidelines for time allowance between end of final paving operations and rumble strip placement.

Sec 1040

Sec 1040.4 – Replaced language with criteria for crash test requirements and acceptance utilized in the job special provision for crashworthy end terminals prior to 2004 version of the specifications.

Sec 1048

Sec 1048.1 – Removed references to extruded thermoplastic pavement marking, hot spray thermoplastic pavement marking, and snowplowable pavement markers.

Sec 1048.20 through 1048.20.4 – Removed specifications for extruded thermoplastic pavement marking material and renumbered subsequent sections.

Sec 1048.70 through 1048.70.4 – Deleted hot spray thermoplastic pavement marking specifications and renumbered subsequent sections.

Sec 1048.80 through 1048.80.4 – Deleted snowplowable pavement marker specifications. Incorporated polyurea pavement marking specifications into 1048.80.

Sec 1048.90.2 – Deleted section and renumbered subsequent sections.

Sec 1048.90.4 – Deleted track time references for type A epoxy pavement marking and removed notations of epoxy marking types.