

Design Standards Letter

Letter Number: S-2012-04

Letter Date: 10/08/2012

Effective Date: 11/01/2012

Section/Plan No.: 107, 303, 403, 413, 501, 608, 620, 701, 712, 805, 901, 902, 1010, 1040, 1044, 1052, 1065

Subject: Revised Supplement to the Standard Specifications

Body

The Supplemental Specifications to the *2011 Missouri Standard Specifications for Highway Construction*, effective November 1, 2012 are now available. These revisions will be in effect with the November 2012 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 303

Sec 303.3.5 – Revised to clarify gradation of cap material for rock base.

Sec 413

Sec 413.30.4.2 – Revised to clarify gradation requirements for Type B and Type C mix designs.

Sec 608

Sec 608.3.1 – Revised to require curing for concrete medians and paved approaches be in accordance with Sec 502.

Sec 620

Sec 620.2.2.1 – Revised to specify roadway open to traffic shall be permanently marked fourteen days after final paving operations.

Sec 620.2.4.1 – Deleted the polyurea section from the table.

Sec 620.2.5 – Revised to clarify the contractor's maintenance requirements for preformed removable marking tape during milling, grinding and resurfacing operations.

Sec 620.2.5.1 – Revised to designate yellow temporary raised pavement markers be used on two-lane, two-way roadways with 'no passing zones' and be reflective in both directions.

Sec 620.10.3.1.1 – Deleted in its entirety.

Sec 620.60.3.1 – Revised to clarify that temporary raised pavement markers shall be placed at the manufacturer's recommendations and as shown in the standard plans.

Sec 620.80 – Deleted Polyurea Pavement Marking section in its entirety.

Sec 901

Sec 901.3.1 – Revised to require high strength nuts and bolts be in accordance with ASTM A325.

Sec 902

Sec 902.4.1 – Revised to require high strength nuts and bolts be in accordance with ASTM A325.

Sec 1040

Sec 1040.3.5 – Deleted language pertaining to continuous galvanizing method.

Sec 1040.8 – Deleted language pertaining to continuous galvanizing method.

Sec 1044

Sec 1044.4.1.2 – Revised coating of posts to be hot-dip galvanized in accordance with ASTM A 123 coating thickness Grade 45, minimum.

Sec 1065

Sec 1065.4 – Revised reflective sheeting to be in accordance with ASTM D 4956 Type 5 or Type 8, and application of material in accordance with Sec 1042.2.7.

MINOR REVISIONS:

Sec 107

Sec 107.7 – Revised to align MoDOT's current specifications with the 'Missouri Blasting Safety Act'.

Sec 403

Sec 403.3.3 – Revised to included SP048 and SP095 mixtures which were previous omitted.

Sec 403.4.5 – Revised SMA gyrations to prevent over-compaction issues.

Sec 501

Sec 501.3.6 – Revised to allow the use of manufactured sand in Type A2 and Type A3 shoulders.

Sec 701

Sec 701.3.1 – Revised slump requirements when using high range water reducing admixtures.

Sec 701.3.3.2 – Revised to clarify replacement of drilling slurry with fresh water in drilled shafts.

Sec 701.4.4.2 – Revised to clarify definition of sound rock.

Sec 701.4.4.2.3 – Revised slump requirements for removal of temporary casing.

Sec 701.4.8 – Revised to clarify unexpected obstacles.

Sec 701.4.11 – Revised to eliminate individual requirements for side or end resistance only shafts, and provide one requirement for both.

Sec 701.4.11.1

Sec 701.4.11.2 – Deleted section in its entirety and renumbered accordingly.

Sec 701.4.11.1 – Revised requirements for logging of excavated materials.

Sec 701.4.13.1.3 – Revised to increase concrete slump for a longer placement time.

Sec 701.4.17.2.3 – Revised to add an additional requirement for Cross-hole Sonic Logging (CSL) if the shaft is cored.

Sec 701.4.17.2.4 – Revised requirements for 3D surveys of the shaft at the discretion of the engineer.

Sec 701.6.1 – Revised to clarify rock for rock socket elevations.

Sec 701.6.5 – Revised to remove reference to side resistance and end bearing shafts.

Sec 701.7.6 – Revised to remove reference to end bearing shaft.

Sec 712

Sec 712.5.1 – Revised to allow contractor to use fit-up bolts in lieu of drift pins during the steel erection process.

Sec 712.5.3 – Revised to allow the use of permanently placed galvanized corrugated steel pipe as forms for anchor bolt wells.

Sec 712.7.2 – Revised to clarify the process of using fit-up bolts in lieu of drift pins.

Sec 805

Sec 805.4 – Revised to address the acceptance of permanent seeding in compliance with the Land Disturbance Operating Permit.

Sec 1010

Sec 1010.4.1.1 – Revised table to include the use of aluminized soil reinforcement.

Sec 1052

Sec 1052.10.3

Sec 1052.10.5 – Revised to allow the use of aluminized metal strips as an alternate for MSE wall reinforcing.

JGJ / SJN