

Design Standards Letter

Letter Number: G-1997-04

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Section/Plan No.: S0502, S0622, S0702, S0726, S0902, S0903, S1018, S1026, S1042

Subject: Revisions to General Special Provisions

Body

Please find enclosed revisions to the General Special Provisions and to the 1996 Missouri Standard Specifications for Highway Construction, both English and Metric versions. The revisions are effective with the May, 1997 bid opening. Below is a brief description of the revisions.

GENERAL SPECIAL PROVISIONS

"Give 'Em a Brake" Signs

Revised mounting details figure to allow 2.0 lb/ft (3.0 kg/m) steel posts as an option to the 4"x4" wood posts.

Slope of Portland Concrete Cement Pavement with Tied Shoulders

Deleted this general special provision as it is no longer needed with revisions to Standard Plans effective May, 1997.

STANDARD SPECIFICATIONS

Both English and Metric versions

Errata: Changes issued to correct various typographical errors.

Section 502 Portland Cement Concrete Pavement

Revised to allow the engineer to require the contractor to replace any concrete pavement with random or uncontrolled shrinkage cracking.

Section 622 Pavement Surface Texturing and Removal

Revised to change wording to include all pavements instead of just specifying bituminous pavements and to eliminate the equipment requirement for cold milling depth transition areas and instead allow the engineer to approve equipment and processes for cold milling depth transition areas.

Section 702 Bearing Pile

Eliminates reference to System C paint and replaces with reference to System G paint.

Section 726 Rigid Pipe Culverts, Storm Drains and Sewers

Revised to require elliptically reinforced pipe to be laid such that the top and bottom of the pipe are oriented in the proper position, as marked on the pipe.

Section 902 Traffic Signals

Revised specification for signal mast arms to require specific permissible locations for longitudinal seams, written weld specification procedures, signing and sealing of shop drawings, quality control and nondestructive testing, AISC plant certification, and certification of compliance upon completion of manufacture.

Section 903 Highway Signing

Revised requirements for fabricator's certification to match current procedures.

Section 1018 Fly Ash for Concrete

Revised to decrease sampling frequency for soundness from every 400 to every 3000 tons, and the frequency for other complete tests from 2000 to 3000 tons, in accordance with ASTM C 311-96a and to better define those producing the fly ash (manufacturer) as opposed to those

marketing and actually responsible for the fly ash (marketing entity).

Section 1026 Reinforced Concrete Culvert, Storm Drain and Sewer Pipe

Revised tables to clarify that reinforcement of concrete pipe may be either circular **or** elliptical, and that circular and elliptical reinforcement are not **both** required.

Section 1042 Highway Sign Material

Revised to eliminate testing in accordance with Federal specification L-S-300c, which is no longer being maintained.

Metric version only

Section 1042 Highway Sign Material

Revised to convert the table of Minimum Coefficient of Luminous Intensity in Section 1042.2.9 to metric units.

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Enclosures