

Design Standards Letter

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Section/Plan No.: S0102, S0105, S0108, S0205, S0403, S0502, S0712, S0901, S0902, S1026

Subject: General Special Provisions - Revisions to 1996 Standard Specifications - (English and Metric)

Body

Attached, please find the latest edition of General Special Provisions and revisions to 1996 Missouri Standard Specifications for Highway Construction, English and Metric versions. This document becomes effective with the September 1997 bid opening. The following is a brief description of any additions, revisions or deletions since the July 2, 1997 edition:

TITLE SHEET

(Additions) Establishes reference to errata corrections section.

(Revisions) Establishes September 1, 1997, effective date.

CONTENTS

English and Metric versions

(Additions) Establishes 1) section title, 2) reference to errata corrections section, 3) references to standard specification sections revised since last edition (see STANDARD SPECIFICATION REVISIONS (Additions) and 4) execution of documents area for Chief Engineer.

(Deletions) Establishes reference to revised standard specifications deleted since last edition (see STANDARD SPECIFICATION REVISIONS (Deletions)).

English version only

(Additions) Establishes version denotation.

GENERAL SPECIAL PROVISIONS

English and Metric versions

(Additions) Establishes section title.

(Revisions) Specifies "Give 'em a BRAKE" signs required before the "ROAD WORK AHEAD" sign or the "ROAD WORK NEXT XX MILES" sign, if specified; and reformats previous 'Temporary Erosion and Sediment Control' specification.

English version only

(Additions) Establishes version denotation.

(Revisions) Specifies placement of "Give 'em a BRAKE" signs 500' before the "ROAD WORK AHEAD" sign or the "ROAD WORK NEXT XX MILES" sign, if specified.

ERRATA CORRECTIONS

English and Metric Versions

(Additions) Establishes section title; corrects various typographical errors in Sections 206.4.10, 620.13.1, 620.22, 620.32, 620.42 and 620.52.

(Revisions) Creates a cross reference of errata corrections by page and section number.

English version only

(Additions) Establishes version denotation.

Metric version only

(Additions) Corrects typographical error in Section 101.1.1.

STANDARD SPECIFICATIONS REVISIONS

English and Metric versions

(Additions) Establishes section title.

Sec 101.2 - Establishes a definition of calendar days.

Sec 102.2.3 - Specifies the prospective bidder's submission of their current annual registration report with their contractor questionnaire, if a corporation.

Sec 403.20.6.1 through Sec 403.20.6.6(a) - Establishes profile index criteria for surface corrections based on final posted speed.

Sec 403.24.4 through 403.24.5 - Establishes final profile index criteria for payment adjustments based on final posted speed; and establishes specifications for 1) payment of smoothness incentive, 2) profiling and payment for profiling of paving widths greater than travel lane widths and 3) random lane coring for thickness or required lane replacement.

Sec 502.14.6.1 through Sec 502.15 - Establishes profile index criteria for surface corrections based on final posted speed.

Sec 502.19.1 - Establishes specification for performance of pavement thickness determination.

Sec 502.19.5 through Sec 502.19.6 - Establishes final profile index criteria for payment adjustments based on final posted speed; and establishes specifications for payment of smoothness incentive.

Sec 712.12.3 through Sec 712.12.3.1 - Reduces dry film thickness ranges for prime coats; replaces green coatings with brown coatings; specifies field application of intermediate and finish coats, for systems G and H, over the prime coat; and specifies not applying intermediate and finish coats to areas of steel to be in contact with concrete.

Sec 712.12.8.1 through Sec 712.12.8.2 - Reduces dry film thickness ranges for 1) optional prime coating of contact surfaces of connections for all non-slab bearing diaphragms on non-curved girders and 2) required prime coating of surfaces that will not be in contact, but which will be inaccessible after assembly.

Sec 712.12.8.4 - Eliminates shop coating of uncoated field weld areas, not receiving a field coat, with one coat of boiled linseed oil to prevent rust staining.

Sec 901.4.5.4 - Establishes additional galvanized steel post size for use as power supply pedestal.

Sec 902.4.1.5 - Refers to the standard plans for backplate dimensions; reduces preformed thermoplastic backplate thickness from 0.175" (4.5 mm) to 0.125" (3 mm); and requires the use of stainless steel bolts, nuts and flat washers.

Sec 902.4.5.1 - Increases minimum dimensions of pretimed controller cabinets to those of actuated NEMA controller cabinets.

Sec 902.4.5.5 - Increases number of pretimed controller back panel positions and number of circuit outputs from 8 and 24 to 12 and 36, respectively.

Sec 902.4.5.6(c) - Increases number of pretimed controller load switch jacks from 8 to 12.

Sec 902.4.5.6.2(f) - Reassigns Pin D21 to hardwire interconnect.

Sec 902.5.3 through 902.5.3.6 - Reformats previous sections to include sections specific to metal and polyvinyl chloride (PVC) conduits; establishes specifications for 1) installation of a stranded tracer wire, instead of a ground wire, in PVC conduit containing only fiber optic cable and 2) tracer wire installation.

Sec 1033.3.2 through Sec 1033.3.5 - Establishes criteria for use of fly ash in precast concrete manhole and drop inlet sections.

Sec 1045.1.1 - Specifies single component paints, no exceptions.

Sec 1045.6.5 through Sec 1045.6.5.2 - Reformats previous section; and establishes specifications for preparation and submission of structural steel paint test panels.

Sec 1045.7.2 through Sec 1045.7.4 - Replaces green coating specifications for structural steel paint with brown coating specifications.

Sec 1045.8.3 through Sec 1045.8.5 - Replaces green coating

specifications for structural steel paint with brown coating specifications .

Sec 1049.2.4 - Establishes criteria for use of fly ash in precast concrete box culverts.

(Revisions) Revised Sec 902.4.3.3 through Sec 902.4.3.3.5 - Specifies welding and fabrication of traffic signal post and mast arm assemblies and NDT personnel qualifications be in accordance with ANSI/AWS D1.1-96 Structural Welding Code-Steel.

Revised Sec 1026 Tables - Reformats tables to portrait layout and corrects typographical errors.

(Deletions) Revised Sec 105.16 through Sec 105.16.5 - Revert to the claim adjustment requirements set forth in Sec 105.16 through 105.16.11 of the 1996 Missouri Standard specifications for Highway Construction. *Note: Consult the explanatory notes of job special provision DSP-97-06, 'Division 100 Revisions for Non-Complex Projects', for further information.*

Revised Sec 108.4 - Revert to the work schedule requirements set forth in Sec 108.4 through 108.4.4 of the 1996 Missouri Standard specifications for Highway Construction. *Note: Consult the explanatory notes of job special provision DSP-97-06, 'Division 100 Revisions for Non-Complex Projects', for further information.*

Revised Sec 403.24.4 - See STANDARD SPECIFICATIONS REVISIONS (Additions).

English version only

(Additions) Establishes version denotation.

Sec 205.2.1 - Specifies measurement of overhaul to nearest 1.0 station yard.

Metric version only

(Revisions) Revised Sec 205.2.1 - Corrects typographical error.

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Attachment