

Design Standards Letter

Letter Number: P-2000-04

Letter Date: 07/05/2000

Effective Date: 10/01/2000

Section/Plan No.: P203.50L, P604.10C, P604.11C, P604.12C, P604.13C, P604.14C, P604.15C, P604.40F, P606.22P, P606.23E, P606.40B, P607.11D, P611.60M, P612.10M, P614.30E, P617.00AB, P617.10, P702.01F, P703.10A, P703.11A, P703.12A, P703.13A, P703.14A, P703.15, P703.21E, P703.24F, P703.25G, P703.30F, P703.35C, P703.36B, P703.37A, P703.38A, P703.40A, P703.41A, P703.42A, P703.43A, P703.44A, P703.45, P703.50H, P703.51H, P703.52D, P703.54E, P703.55E, P703.56F, P703.60D, P703.70D, P703.71E, P703.72D, P703.73E, P703.74D, P703.76D, P703.80A, P703.81A, P703.82A, P703.83A, P703.84A, P703.85, P706.30E, P706.35F, P712.40F, P901.3D, P901.80C, P902.00J, P902.10M, P902.15H, P902.30M, P902.70H, P903.02AC, P903.60W

Subject: October 2000 Edition of the Missouri Standard Plans for Highway Construction

Body

Enclosed is the October, 2000 edition of the Missouri Standard Plans for Highway Construction. This edition will be effective for all projects to be let after October 1, 2000.

Questions concerning the distribution of this edition of the Missouri Standard Plans for Highway Construction should be directed to General Headquarters, Design Standards Section, telephone numbers 573-751-4659 or 573-526-2903.

Below are the revisions to the Missouri Standard Plans for Highway Construction since July 1, 2000.

NOTE	EXPLANATION
1	The following revisions are effective with the October, 2000 bid opening.
STD. PLAN NO.	DESCRIPTION OF REVISION
203.50L	Removed erroneous pavement edge markings. The correct markings will be placed in Standard Plan 620.00 at a later date.
604.10C	Upgraded to drawing format from manual to electronic and performed

<p>604.11C</p> <p>604.12C</p> <p>STD. PLAN NO.</p> <p>604.13C</p> <p>604.14C</p> <p>604.15C</p> <p>604.40F</p>	<p>miscellaneous minor corrections.</p> <p>Upgraded to drawing format from manual to electronic and performed miscellaneous minor corrections.</p> <p>Upgraded to drawing format from manual to electronic and performed miscellaneous minor corrections.</p> <p>DESCRIPTION OF REVISION</p> <p>Upgraded to drawing format from manual to electronic and performed miscellaneous minor corrections.</p> <p>Upgraded to drawing format from manual to electronic and performed miscellaneous minor corrections.</p> <p>Upgraded to drawing format from manual to electronic and performed miscellaneous minor corrections.</p> <p>Upgraded to drawing format from manual to electronic and performed miscellaneous minor corrections.</p> <p>Added geometrics and concrete steel quantities for 3' x 3' (900 mm x 900 mm) collar.</p>
<p>606.22P</p> <p>606.23E</p> <p>606.40B</p> <p>607.11D</p> <p>611.60M</p> <p>612.10M</p> <p>614.30E</p> <p>617.00AB</p>	<p><i>Sheet 1 of 2.</i> Replaced general note referring to AASHTO 1992 and interim specifications with note referring to NCHRP 350.</p> <p><i>Sheet 1 of 2.</i> Formerly 1 of 1. Revised details of bridge anchor section to represent a more rigid barrier that meets the requirements of NCHRP 350.</p> <p><i>Sheet 2 of 2.</i> New sheet. Provided additional details for thrie beam bridge anchor section.</p> <p>Corrected steel post designation to S3x5.7 (S75x8.5). Transposed wood post details between English and Metric drawings.</p> <p>Upgraded to drawing format from manual to electronic and performed miscellaneous minor corrections.</p> <p>Upgraded to drawing format from manual to electronic and performed miscellaneous minor corrections.</p> <p>Changed barricade height and width dimensions in order to remain consistent with surrounding states and provide contractors with a more useable product.</p> <p>Removed general notes requiring reflectors on the barricade. Disallowed signs</p>

	and/or lights mounted on barricades.
617.10	Changed approximate weight of Type 2 frame and cover to 250 lbs. (113 kg) to reflect new product design.
STD. PLAN NO.	<p><i>Sheet 2 of 3.</i> Corrected transposed English and metric weights of smooth roll roofing material for bridge pier / barrier joint.</p> <p><i>Sheet 3 of 3.</i> Added general note stating specification reference for delineator lenses.</p>
702.01F	
703.10A	New Standard Plan. Upgraded Type C, single slope, median barrier from special sheet to standard plan. The FHWA had indicated this product will continue to satisfy the innovative median barrier requirement of the <u>Transportation Equity Act for the 21st Century (TEA-21)</u> .
703.11A	
703.12A	DESCRIPTION OF REVISION
703.13A	Deleted Standard Plan.
703.14A	Added appropriate units to represent rigid frame design for English box culverts. Performed miscellaneous minor corrections.
703.15	Added appropriate units to represent rigid frame design for English box culverts. Performed miscellaneous minor corrections.
703.21E	Added appropriate units to represent rigid frame design for English box culverts. Performed miscellaneous minor corrections.
703.24F	Added appropriate units to represent rigid frame design for English box culverts. Performed miscellaneous minor corrections.
703.25G	Added appropriate units to represent rigid frame design for English box culverts. Performed miscellaneous minor corrections.
703.30F	Added appropriate units to represent rigid frame design for English box culverts. Performed miscellaneous minor corrections.
703.35C	Added appropriate units to represent rigid frame design for English box culverts.
703.36B	
703.37A	Deleted Standard Plan.
	Deleted Standard Plan.
703.38A	Deleted Standard Plan.

703.40A	Deleted Standard Plan.
703.41A	Deleted Standard Plan.
703.42A	Deleted Standard Plan.
703.42A	Upgraded to drawing format from manual to electronic and performed miscellaneous minor corrections.
STD. PLAN NO.	Upgraded to drawing format from manual to electronic and performed miscellaneous minor corrections.
703.43A	Added appropriate units to represent rigid frame design for English box culverts. Performed miscellaneous minor corrections.
703.44A	Added appropriate units to represent rigid frame design for English box culverts. Performed miscellaneous minor corrections.
703.45	Added appropriate units to represent rigid frame design for English box culverts. Performed miscellaneous minor corrections.
703.50H	Added appropriate units to represent rigid frame design for English box culverts. Performed miscellaneous minor corrections.
703.51H	DESCRIPTION OF REVISION
703.52D	Added appropriate units to represent rigid frame design for English box culverts. Performed miscellaneous minor corrections.
703.54E	Added appropriate units to represent rigid frame design for English box culverts. Performed miscellaneous minor corrections.
703.55E	Added appropriate units to represent rigid frame design for English box culverts. Performed miscellaneous minor corrections.
703.56F	Added appropriate units to represent rigid frame design for English box culverts.
703.60D	Deleted Standard Plan.
703.70D	Deleted Standard Plan.
703.71E	Deleted Standard Plan.
703.72D	Deleted Standard Plan.
703.73E	Deleted Standard Plan.
703.74D	Deleted Standard Plan.
703.76D	Upgraded to drawing format from manual to electronic and performed

703.80A	miscellaneous minor corrections.
703.81A	Deleted Standard Plan.
703.82A	Deleted Standard Plan.
STD. PLAN NO.	Deleted Standard Plan.
703.83A	Deleted Standard Plan.
703.84A	Added appropriate units to represent rigid frame design for English box culverts. Performed miscellaneous minor corrections.
703.85	Added appropriate units to represent rigid frame design for English box culverts. Performed miscellaneous minor corrections.
706.30E	Added appropriate units to represent rigid frame design for English box culverts. Performed miscellaneous minor corrections.
706.35F	<p>DESCRIPTION OF REVISION</p> <p>Added appropriate units to represent rigid frame design for English box culverts. Performed miscellaneous minor corrections.</p> <p>Added appropriate units to represent rigid frame design for English box culverts. Performed miscellaneous minor corrections.</p> <p>Added appropriate units to represent rigid frame design for English box culverts.</p> <p>Deleted Standard Plan.</p> <p>Upgraded to drawing format from manual to electronic and performed miscellaneous minor corrections.</p>
712.40F	Upgraded to drawing format from manual to electronic and performed miscellaneous minor corrections.
901.3D	<p><i>Sheet 1 of 2.</i> Formerly 1 of 1. Changed power supply to reflect new Type 2 design. Changed location and length of ground rod and added note pertaining to its placement and connection.</p>

901.80C	<i>Sheet 2 of 2.</i> New sheet. Drawing divided into two sheets to provide better clarity.
902.00J	Revised Type 2 power supply. Changed location and length of ground rod and
902.10M	added note pertaining to its placement and connection.
902.15H	Revised clearances to bottom of signals. Removed extraneous details from signal head diagrams. Reworded several general notes.
902.30M	Changed location and length of ground rod and added note pertaining to its placement and connection.
902.70H	<i>Sheet 1 of 2.</i> Revised Type 2 power supply. Changed location and length of ground rod and added note pertaining to its placement and connection.
903.02AC	<i>Sheet 1 of 2.</i> Changed location and length of ground rod.
STD. PLAN NO.	Changed location and length of ground rod and added note pertaining to its placement and connection.
903.02AC	<i>Sheet 1 of 9.</i> Corrected dimensions on left-handed side of "JEFFERSON CITY NEXT 3 EXITS" miscellaneous guide sign. Corrected limits of 25" (625 mm) minimum dimension between longest destination and longest distance for interchange sequence sign.
	DESCRIPTION OF REVISION
903.60W	<i>Sheet 2 of 9.</i> Corrected limits of "EXIT ONLY" panel vertical dimension to include bottom of panel.
	<i>Sheet 3 of 9.</i> Corrected vertical dimensions on right hand side of gore "EXIT" sign.
	<i>Sheet 4 of 9.</i> Deleted details for 30" (750 mm) "STOP" and "SIGNAL AHEAD" signs as the Traffic Division no longer supports their use.
	<i>Sheet 5 of 9.</i> Changed general sign data table and "KEEP RIGHT" sign details to allow a 7' x 8' (2100 mm x 2400 mm) to be structural.
	<i>Sheet 8 of 9.</i> Revised letter series for state route and supplementary shields.

Sheet 9 of 9. Changed mounting height of sheet signs on pipe posts to 7.0' (2.1 m) in order to comply more closely with the *Project Development Manual*.

Sheet 1 of 5. Added general note outlining V-notch requirements.

wry/kl

s:\de-std\P200004.doc

Enclosures