

# Design Standards Letter

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**Letter Date: 09/28/2001**

**Effective Date: 01/01/2002**

**Section/Plan No.: P203.21H, P203.61A, P203.62B, P203.64B, P602.00B, P605.10D, P606.01B, P606.23F, P606.41E, P608.00F, P609.00K, P609.40K, P612.10N, P613.00H, P616.10Z, P617.00AD, P702.02E, P703.10C, P703.11C, P703.12C, P703.13C, P703.14C, P703.15B, P703.40C, P703.41C, P703.42C, P703.43C, P703.44C, P703.45A, P703.80C, P703.81C, P703.82C, P703.83C, P703.84C, P703.85A, P712.40H, P726.30E, P730.00A, P731.10P, P732.00M, P806.10D, P901.01Z, P903.03AU, P903.10X, P903.12S, P903.60X**

**Subject: Supplemental Revisions to the Missouri Standard Plans for Highway Construction**

## Body

Questions concerning the distribution of the Supplemental Revisions to 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 October 2001 edition of the Missouri Standard Plans for Highway Construction.

<b>NOTE</b>	<b>EXPLANATION</b>
1	The following revisions are effective with the January 2002 bid opening.
<b>STD. PLAN NO.</b>	<b>DESCRIPTION OF REVISION</b>
<b>203.21H</b>	The tangent runout equation was inadvertently changed with the previous revision.
<b>203.61A</b>	Plan View revised by replacing "Edge of Pavement" with "Edge of Traveled Way."
<b>203.62B</b>	Plan Views revised by replacing "Edge of Pavement" with "Edge of Traveled Way."
<b>203.64B</b>	Plan Views revised by replacing "Edge of Pavement" with "Edge of Traveled Way."
<b>602.00B</b>	



<b>608.00F</b>	<i>Sheet 1 of 2.</i> Added a General Note pertaining to the use of tinted concrete for curb ramps.
<b>609.00K</b>	A General Note pertaining to precast and cast-in-place gutters was added.
<b>STD. PLAN NO.</b>	<b>DESCRIPTION OF REVISION</b>
<b>609.40K</b>	<i>Sheet 1 of 2.</i> Revision of sixth General Note pertaining to grate details. Standard Plan 614.11 is to be considered in the selection of grates so that bicycles can be accommodated.
<b>612.10N</b>	Type I and II Barricades are no longer in use and were deleted from this drawing. Type III Barricade information is presented in Drawing 616.10, and is therefore deleted from this drawing.
<b>613.00H</b>	<i>Sheet 1 of 2.</i> Notes revised to include the option of the application of an approved bondbreaker for dowels.
<b>616.10Z</b>	<i>Sheet 5 of 5.</i> Work Zone Fine sign, Work Zone plaque and gore Exit sign added. Minor updates and errata corrections.
<b>617.00AD</b>	<i>Sheets 1 and 2 of 2.</i> Precast units of concrete traffic barrier will no longer be permitted since the Type F barrier is to be used for temporary applications. Notes and diagrams referring to the precast version of the concrete traffic barrier have been removed.
<b>702.02E</b>	Reference to AASHTO M183 was replaced with ASTM A36 since AASHTO M183 is no longer in effect. In the metric version, the nominal thickness for steel pipe was corrected from 7.0 mm to 6.4 mm.
<b>703.10C</b>	<i>Sheet 1 of 3.</i> The minimum lap length revised from 20" (530 mm) to 23" (610 mm) for longitudinal bars. Minor errata correction.  <i>Sheet 2 of 3.</i> Minor errata correction.  <i>Sheet 3 of 3.</i> Modified details to remove "12" (300 mm) Min." from Elevation A-A. Minor errata correction.
<b>703.11C</b>	<i>Sheet 1 of 3.</i> The minimum lap length revised from 20" (530 mm) to 23" (610 mm) for longitudinal bars. Minor errata correction.  <i>Sheet 2 of 3.</i> Minor errata correction.  <i>Sheet 3 of 3.</i> Modified details to remove "12" (300 mm) Min." from Elevation A-A. Minor errata correction.
<b>703.12C</b>	The minimum lap length revised from 20" (530 mm) to 23" (610 mm) for longitudinal bars. Minor errata correction.

STD. PLAN NO.	DESCRIPTION OF REVISION
<p><b>703.13C</b></p> <p><b>703.14C</b></p> <p><b>703.15B</b></p>	<p><i>Sheet 1 of 3.</i> The minimum lap length revised from 20" (530 mm) to 23" (610 mm) for longitudinal bars. Minor errata correction.</p> <p><i>Sheet 2 of 3.</i> Minor errata correction.</p> <p><i>Sheet 3 of 3.</i> Modified details to remove "12" (300 mm) Min." from Elevation A-A. Minor errata correction.</p> <p><i>Sheet 1 of 3.</i> The minimum lap length revised from 20" (530 mm) to 23" (610 mm) for longitudinal bars. Minor errata correction.</p> <p><i>Sheet 2 of 3.</i> Minor errata correction.</p> <p><i>Sheet 3 of 3.</i> Modified details to remove "12" (300 mm) Min." from Elevation A-A. Minor errata correction.</p> <p><i>Sheets 1 through 13 of 13.</i> A note was added to the Member Sizes Table pertaining to design fills falling between tabulated fills.</p>
<p><b>703.40C</b></p> <p><b>703.41C</b></p>	<p><i>Sheet 1 of 2.</i> The minimum lap length revised from 20" (530 mm) to 23" (610 mm) for longitudinal bars. Minor errata correction.</p> <p><i>Sheet 2 of 2.</i> Minor errata correction.</p> <p><i>Sheet 1 of 2.</i> The minimum lap length revised from 20" (530 mm) to 23" (610 mm) for longitudinal bars. Minor errata correction.</p> <p><i>Sheet 2 of 2.</i> Minor errata correction.</p>
<p><b>703.42C</b></p> <p><b>703.43C</b></p>	<p><i>Sheet 1 of 2.</i> The minimum lap length revised from 20" (530 mm) to 23" (610 mm) for longitudinal bars. Minor errata correction.</p> <p><i>Sheet 2 of 2.</i> Minor errata correction.</p> <p><i>Sheet 1 of 2.</i> The minimum lap length revised from 20" (530 mm) to 23" (610 mm) for longitudinal bars. Minor errata correction.</p> <p><i>Sheet 2 of 2.</i> Minor errata correction.</p>
<p><b>703.44C</b></p>	<p><i>Sheet 1 of 2.</i> The minimum lap length revised from 20" (530 mm) to 23" (610 mm) for longitudinal bars. Minor errata correction.</p>
STD. PLAN NO.	DESCRIPTION OF REVISION
<p><b>703.44C</b></p>	<p><i>Sheet 2 of 2.</i> Minor errata correction.</p>

<b>703.45A</b>	<p><i>Sheets 1 through 13 of 13.</i> A note was added to the Member Sizes Table pertaining to design fills falling between tabulated fills.</p> <p><i>Sheet 1 of 2.</i> The minimum lap length revised from 20" (530 mm) to 23" (610 mm) for longitudinal bars. Minor errata correction.</p> <p><i>Sheet 2 of 2.</i> Minor errata correction.</p> <p><i>Sheet 1 of 2.</i> The minimum lap length revised from 20" (530 mm) to 23" (610 mm) for longitudinal bars. Minor errata correction.</p> <p><i>Sheet 2 of 2.</i> Minor errata correction.</p> <p><i>Sheet 1 of 2.</i> The minimum lap length revised from 20" (530 mm) to 23" (610 mm) for longitudinal bars. Minor errata correction.</p> <p><i>Sheet 2 of 2.</i> Minor errata correction.</p>
<b>703.80C</b>	
<b>703.81C</b>	
<b>703.82C</b>	
<b>703.83C</b>	<p><i>Sheet 1 of 2.</i> The minimum lap length revised from 20" (530 mm) to 23" (610 mm) for longitudinal bars. Minor errata correction.</p> <p><i>Sheet 2 of 2.</i> Minor errata correction.</p> <p><i>Sheet 1 of 2.</i> The minimum lap length revised from 20" (530 mm) to 23" (610 mm) for longitudinal bars. Minor errata correction.</p> <p><i>Sheet 2 of 2.</i> Minor errata correction.</p> <p><i>Sheets 1 through 13 of 13.</i> A note was added to the Member Sizes Table pertaining to design fills falling between tabulated fills.</p> <p>Minor errata correction.</p>
<b>703.84C</b>	
<b>703.85A</b>	
<b>712.40H</b>	
<b>726.30E</b>	<p><i>Sheet 1 of 2.</i> General Note added pertaining to Class I and Class II reinforced concrete pipe.</p> <p><i>Sheet 1 of 2.</i> Maximum overfill height revised for 42" (1050 mm) and 48" (1200 mm) diameter corrugated polyethylene pipes in order to comply with a revised AASHTO specification.</p>
<b>730.00A</b>	
<b>STD. PLAN NO.</b>	<b>DESCRIPTION OF REVISION</b>
<b>731.10P</b>	<i>Sheet 2 of 4.</i> General Note revised to state that reinforcing bars shall be epoxy coated.
<b>732.00M</b>	<i>Sheet 1 of 2.</i> Minor errata correction.
<b>806.10D</b>	<i>Sheet 2 of 7.</i> A diagram entitled "Components of Silt Fence Ditch Check"

<p><b>901.01Z</b></p> <p><b>903.03AU</b></p>	<p>was added to clarify the construction of the temporary ditch check.</p> <p><i>Sheet 6 of 7.</i> Details of Silt Fence diagram revised to include reference to support fence or wire.</p> <p><i>Sheet 1 of 3.</i> Reference to AASHTO M183 replaced with ASTM A36 since AASHTO M183 is no longer in effect.</p> <p><i>Sheet 1 of 6.</i> Reference to AASHTO M183 replaced with ASTM A36 since AASHTO M183 is no longer in effect.</p> <p><i>Sheets 1 and 2 of 6.</i> The single-directional breakaway signpost has been removed. Multi-directional breakaway signposts are to be used on all MoDOT routes.</p>
<p><b>903.10X</b></p> <p><b>903.12S</b></p>	<p><i>Sheet 1 of 6.</i> Reference to AASHTO M183 replaced with ASTM A36 since AASHTO M183 is no longer in effect.</p> <p><i>Sheet 1 of 5.</i> Reference to AASHTO M183 replaced with ASTM A36 since AASHTO M183 is no longer in effect.</p>
<p><b>903.60X</b></p> <p><b>D-2BS</b></p>	<p><i>Sheet 1 of 5.</i> Reference to AASHTO M183 replaced with ASTM A36 since AASHTO M183 is no longer in effect.</p> <p>The revision pertaining to Standard Drawing 616.10, Sheet 5 of 5, has been noted. No hardcopy is included with these revisions. The file has been updated on the district servers.</p>

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