



MEMO

January 22, 2015

To: District Engineers

From: Gregg A. Freeby, P.E.
Division Director, Bridge Division

Subject: New and Revised Miscellaneous Standard Drawings

New and revised miscellaneous standard drawings, with issue dates of January 2015, are posted on the TxDOT web site and available for immediate use. The drawings include the following changes:

No changes were made to the

- Armor Joint (AJ)
- Common Foundation Details (FD)
- Prestressed Concrete Panels – Deck Details (PCP)
- Stone Riprap (SRR)

All other drawings

- Detailed with clear cover dimensions and out-to-out bar dimensions, as applicable
- All references updated for 2014 Standard Specifications for Construction
- Notable changes are described further below

Bridge Mounted Clearance Sign (BMCS)

- Change in payment to Item 644, “Small Roadside Assemblies.”
- Removed old rail types and added new rail types
- Additional anchor bolt grade provided

Concrete Riprap (CRR)

- WWR changed to deformed

Precast Concrete Bent Cap Option (PBC-P and PBC-RC)

- Table of grout specification is removed. All of this information is now included in the new DMS-4675, “Cementitious Grouts and Mortars for Miscellaneous Applications.”

Sealed Expansion Joint (SEJ-A and SEJ-S(O))

- A table for Reduced Longitudinal Movement Range, based on skew, has been added.
- Minor error corrections

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Elastomeric Bearing - Steel Girders and Beams (SGEB)

- Grout specification removed and referred to new DMS-4675, "Cementitious Grouts and Mortars for Miscellaneous Applications."
- Additional nut grade provided

Miscellaneous Slab Details - Steel Girders and Beams (SGMS)

Thickened Slab End Details - Steel Girders and Beams (SGTS)

- These are new drawings that take the place of the current SBMS and SBTS.
- SGMS and SGTS are for steel plate girders and beams. These standards are set-up for 8 1/2" deck slab with empirical-design reinforcing steel.
- The SBMS and SBTS are re-located to the Steel Beam span section, and will henceforth only be used for steel beam spans.

These new and revised standard drawings apply to construction projects beginning with the June 2015 letting. Immediate use is recommended, as these standard drawings comply with the 2014 Specifications.

These and other bridge standard drawings are available on the Bridge Standards web page in MicroStation® "dgn" and Adobe® Acrobat® "pdf" formats. See <http://www.dot.state.tx.us/business/standardplanfiles.htm>.

For questions or comments concerning this standard drawing, please contact Amy E. Smith, P.E. at 512/416-2261 or Jon T. Ries, at 512/416-2191.

Note: Original Signed By Gregg A. Freeby

CC: Federal Highway Administration
Bridge Design Consultants
Administration
Division and Office Directors
Directors of Transportation Planning and Development
District Bridge Engineers
Bridge Division Employees