



MEMO

October 16, 2015

To: District Engineers

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

Subject: Revised Prestressed Concrete I-Girder Standard Drawings

Revised prestressed concrete I-girder standard drawings, with issue date of October 2015, are posted on the TxDOT web site and available for immediate use.

The revised standard drawings available at this time are:

- miscellaneous I-Girder Details
- standard beam designs, abutments, bents, trestle bents, and span details for 40 ft. roadway

The remaining details for the 24 ft., 28 ft., 30 ft., 32 ft., 38 ft., and 44 ft. roadways will be issued on an approximate two week interval, with all details available by the end of November 2015. These drawings are posted under the *2014 Spec* column on the webpage. The *2004 Spec* version of all I-girder standard drawings will be removed from the webpage at the end of the year.

Notable revisions to the standard drawings include the following:

- All drawings comply with *2014 Standard Specifications for Construction*.
- Bridge deck slab is increased to 8 ½ in. thick with 2 ½ in. clear cover. The span sheets can be used in regions that employ Corrosion Protection Measures with no modification to the standard drawing necessary. Clear cover for substructure is not increased; modifications for Corrosion Protection Measures still apply to substructure elements.
- All drawings reflect current design practices prescribed in the *Bridge Design Manual – LRFD*.
- All drawings reflect current detailing practices shown in the *Bridge Detailing Guide*.

At this time, the *Standard Bridge Spreadsheet (std-brg.xls)*, available on the TxDOT web site, does not account for the new 8 ½" in. deck slab. The spreadsheet currently calculates bearing seat elevations for standard I-girder spans using the 8 in. deck slab. Users may continue to employ the current spreadsheet, but must adjust outputted elevations by ½ in. An announcement will be made when the *Standard Bridge Spreadsheet* is updated.

These revised standard drawings apply to construction projects beginning with the May 2016 letting. Prior use is at the option of each District.

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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
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