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August 22, 2017

**To:** District Engineers

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

**Subject:** New and Revised Prestressed Concrete I-Girder Standard Drawings

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New and revised prestressed concrete I-girder standard drawings, with issue date of August 2017, are posted on the TxDOT web site and available for immediate use.

Notable revisions to the standard drawings include the following:

- 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*.

#### **Abutment Standard Drawings (AIG) and Interior Bent Standard Drawings (BIG and BTIG)**

- Modified dowels D on all abutment and interior bent standard drawings.
- Corrected reinforcement on **AIG-32**.
- Corrected Section A-A on **BIG-62-38-0, BIG-62-38-15, BIG-62-38-30, BIG-62-38-45, and BIG-62-40-30**.
- Corrected spiral reinforcement detail interior bent standard drawings for 38-foot and 44-foot roadway widths.

#### **Prestressed Concrete I-Girder Spans (SIG)**

- Corrected concrete class on slab span details for 30-foot and 32-foot roadway widths.

#### **Prestressed Concrete I-Girder Miscellaneous Details**

- **IGD** now includes bars CH, a smooth trowel finish to a portion of the exterior girder, and the requirement for bars P in Tx62 and Tx70 I-Girders.
- **IGEB** is revised to widen the embedded plate to be the width of the girder minus the chamfer.
- New standard drawings for a Contractor option for **Precast Concrete Panels for Overhangs (PCP(O) and PCP-FAB (O))**. If it is desired to restrict the use of precast overhang panels as an alternate to traditionally formed overhangs, do not include the PCP(O) and PCP-FAB (O) standards in the plan set and also add “The use of precast overhang panels are not allowed.” to the General Notes for Item 422.

These revised standard drawings apply to construction projects beginning with the February 2018 letting. Prior use is at the option of each District. No change in plans is necessary to begin using these standards now.

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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 these standard drawings, please contact Taya A. Retterer, P.E. at 512/416-2719 or Jon T. Ries, at 512/416-2191.

Note: Original Signed By Gregg A. Freeby

**CC:** Federal Highway Administration  
Bridge Design Consultants  
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District Design Engineers  
District Bridge Engineers  
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