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August 23, 2022

**To:** Directors of Transportation Planning and Development

**From:** Michael Hyzak, P.E.  
Bridge Design Section Director, Bridge Division

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**Subject:** Revised Prestressed Concrete X Beam Standard Drawings

Revised prestressed concrete X beam standard drawings, with issue date of August 2022, are posted on the TxDOT web site and available for immediate use.

Notable revisions to the standard drawings include the following:

- Updated all drawings to comply with *TxDOT 2014 Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges*.
- Updated all drawings to reflect current design practices prescribed in the *TxDOT Bridge Design Manual – LRFD*.
- Added load rating information for the superstructure. Spans were load rated using load and resistance factor rating according to *AASHTO Manual for Bridge Evaluation*.
- Updated all drawings to reflect current detailing practices shown in the *TxDOT Bridge Detailing Guide*.
- Increased beam unit weights to 155 pcf.
- Updated all file names to reflect the standard title and year of issuance

These revised standard drawings apply to construction projects beginning with the March 2023 letting. Prior use is at the option of each District.

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

For questions or comments concerning these standard drawings, please contact Taya Retterer, P.E. at 512/416-2719.

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