



# MEMO

July 28, 2015

**To:** District Engineers

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

**Subject:** New I-Girder Standard Drawing, **IGFRP**

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A new I-girder standard drawing, with issue date of July 2015, is posted on the TxDOT web site and available for immediate use.

The new standard drawing is *GFRP Slab Top Mat Reinforcement (IGFRP)*. This standard drawing provides details for using Glass Fiber Reinforced Polymer (GFRP) bars, in lieu of steel bars, as the top mat of reinforcement in a bridge deck. The **IGFRP** is intended for use in areas where corrosion of the deck reinforcing steel significantly reduces service life of bridge decks. The details are for use with 8 ½ in. thick deck slabs.

The **IGFRP** is a Contractor-option for epoxy-coated steel reinforcement in the bridge deck slab. As such, we recommend including this standard drawing in all plan sets using epoxy-coated steel reinforcement in the bridge deck. No adjustments to quantities are necessary nor are any Special Specifications required. If a District chooses to specify only GFRP bars for the top mat of deck slab, the **IGFRP** standard can be used as a guide for preparing span sheets.

This new standard drawing applies to construction projects beginning with the January 2016 letting. Prior use is at the option of each District.

This 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

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