



MEMORANDUM

TO: District Engineers

DATE: April 16, 2013

FROM: Gregg A. Freeby, P.E.

SUBJECT: New Prestressed Concrete X-Beam and I-Girder Standard Drawings

New Prestressed Concrete X-Beam and I-Girder standard drawings, with an issue date of April 2013, are posted on the TxDOT web site and are available for immediate use.

New standard drawings **XBSK** and **IGSK** provide details for shear keys between beams at both abutments and bents, for 5XB X-beams and I-girders, respectively. Shear keys are recommended for use in situations where the superstructure may be subject to significant lateral force, such as wave action or stream flow.

When using the **XBSK** or **IGSK** standard in plans, concrete quantity for shear keys is included in the abutment or bent concrete quantity.

These revised standard drawings apply to construction projects beginning with the October 2013 letting. Prior use is at the option of each District.

These and other bridge standard drawings are available on the Bridge Standards web pages 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 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