



MEMORANDUM

TO: District Engineers **DATE:** February 17, 2009

FROM: David P. Hohmann, P.E.

SUBJECT: New and Revised Prestressed Concrete I-Girder Standard Drawings

New and revised prestressed I-girder standard drawings with an issue date of February 2009 are posted on the TxDOT web site and are available for immediate use. These new standard drawings accommodate the use of Type Tx62 girders for 24, 28, 30, 38, and 44 foot roadways. Skews of 0, 15, 30, and 45 degrees are accommodated for span lengths of 60 to 135 feet. There are no plans to provide standard drawings for bridges with Type Tx70 girders.

It is recommended that the districts determine the feasibility of delivering long girders to bridge sites. The Bridge Division can assist districts in making this determination, if needed.

Standard drawing IGMS is revised to lower the permissible load on overhang bracket hangers from 4000 pounds to 3600 pounds. This 10 percent reduction provides a higher factor of safety for girders with the lowest required 28-day concrete strength, 5000 psi.

Standard drawings IGD and IGND are revised to accommodate use of Class H (HPC) concrete for prestressed concrete I-girders.

These revised standard drawings apply to construction projects beginning with the September 2009 letting. Prior application is at the option of each district and will not necessitate changes to existing plans.

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> .

If you have questions or comments concerning these standard drawings, please contact John M. Holt, P.E., at (512) 416-2212, or Jon T. Ries at (512) 416-2191.

Note: Original Signed By David P. Hohmann

cc: Federal Highway Administration
Bridge Design Consultants
Administration
Division and Office Directors

Directors of Transportation Planning and Development
District Bridge Engineers
Bridge Division Employees