



MEMORANDUM

TO: District Engineers **DATE:** January 10, 2012
FROM: Gregg A. Freeby, P.E.
SUBJECT: Revised Prestressed Concrete Box and Slab Beam Standard Drawings

Revised prestressed concrete box and slab beam standard drawings, with a revision date of January 2012, are posted on the TxDOT web site and are available for immediate use.

The following box beam standard drawings are revised:

- All span standard drawings with an **SBBS-** prefix are revised to indicate an increase in clear cover to the reinforcing steel in the cast-in-place deck from 2-inches to 2.5-inches. This increase in clear cover will enhance corrosion protection.
- Standard drawing **BBRAS** is revised to indicate placement of concrete rail anchorage reinforcement solely within the 5-in minimum thickness cast-in-place concrete deck. Rail anchorage reinforcement was previously placed in the beams. This revised rail anchorage was verified by rail crash testing conducted in Research Project 9-1002.
- Standard drawings **BB-B20**, **BB-B28**, **BB-B34**, and **BB-B40** are revised to indicate a change to the Bars Z dimensions, to accommodate the revised rail anchorage reinforcement placement noted above.

Slab Beam standard drawing **PSBRA** is revised to allow placement of concrete rail anchorage reinforcement solely within the 5-in minimum thickness cast-in-place concrete deck, as noted above with box beams.

These revised standard drawings apply to construction projects beginning with the July 2012 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> .

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 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