



MEMORANDUM

TO: District Engineers

DATE: April 7, 2011

FROM: David P. Hohmann, P.E.

SUBJECT: New Precast Bent Cap Standard Drawing

A new precast bent cap standard drawing, **PBC-RC**, is posted on the TxDOT web site and is available for immediate use. This standard drawing provides details for precast bent caps as a contractor option to cast-in-place bent caps supported on round columns. Precast bent caps have been used successfully with a number of Texas bridge projects and can provide multiple benefits including reduced construction time and increased construction zone safety.

This standard drawing is recommended to be included in all plan sets using standard drawings for their interior bent details, with the bents using round columns. No adjustments to quantities are necessary nor are any Special Specifications required.

Use of this standard drawing is not mandatory and if a District wishes to disallow precast bent caps as an option, we recommend this be stated in the plans with a General Note to Item 420.

A standard drawing for optional precast bent caps supported by steel H-piles or square prestressed concrete piles is forthcoming.

This 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 this standard drawing, please contact John M. Holt, P.E., at (512) 416-2212 or Jon 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