



# MEMO

July 10, 2013

**To:** District Engineers

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

**Subject:** New Miscellaneous Bridge Standard Drawing

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A new miscellaneous bridge standard drawing, with an issue date of July 2013, is posted on the TxDOT web site and is available for immediate use.

New standard drawing Bridge Protective Beam Wrap, **BPBW**, provides details for protecting prestressed concrete girders or beams with a carbon fiber reinforced polymer wrap. The BPBW standard should only be used on a case-by-case basis for bridges that have a high probability of over-height hits. The BPBW may be installed on multiple girders or beams in a span, as determined appropriate for the roadway and bridge geometry.

The new standard drawing, BPBW, applies to construction projects beginning with the January 2014 letting. Prior use is at the option of each District. The bid code for the BPBW is Item 4191-2001 Carbon Fiber Reinf Poly Conc Strengthen.

The BPBW standard replaces the Bridge Protective Assembly standard drawing, BPA. The BPA is withdrawn from the Bridge Standards web page and is no longer allowed for new construction. Field observations of impacted beams show that the beams sustain no less damage, and often more damage, with the BPA installed.

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

**CC:** Federal Highway Administration  
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Bridge Division Employees

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