



MEMORANDUM

TO: District Engineers

DATE: February 2, 2010

FROM: David P. Hohmann, P.E.

SUBJECT: New Culvert and Drainage Standard Drawings

New culvert and drainage drawings with an issue date of February 2010 are posted on the TxDOT web site and are available for immediate use.

Details in this set of culvert and drainage standard drawings meet the design criteria in the AASHTO LRFD Bridge Design Specifications, where applicable.

The structural details for cast in place box culverts, wingwalls, headwalls, and safety end treatments in these new standard drawings remain essentially unchanged from those depicted in the previous set of standard drawings. The previous structural details, excepting those for precast box culverts, were evaluated and found to comply with requirements in the AASHTO LRFD Bridge Design Specifications. Details for precast box culverts are based on the designs listed in ASTM C 1577, "Standard Specification for Precast Reinforced Concrete Monolithic Box Sections for Culverts, Storm Drains, and Sewers Designed According to AASHTO LRFD".

Minor editorial changes to the previous set of culvert and drainage standard drawings have been made.

These new culvert and drainage standard drawings apply to construction projects beginning with the September 2010 letting. Prior use is at the option of each District. These new standard drawings can be used to replace the previously issued ones in existing plan sets without change to quantities.

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, Gregg Freeby, P.E., at (512) 416-2192 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