



MEMORANDUM

TO: District Engineers

DATE: August 22, 2007

FROM: William R. Cox, P.E.

SUBJECT: Revised Culvert and Drainage Standard Drawings

Revised culvert and drainage standard drawings with a revision date of August 2007 are posted on the TxDOT web site and are available for immediate use.

Key revisions include:

- **PW**, Concrete Wingwalls with Parallel Wings for Skewed and Non-Skewed Box Culverts – increased amount of reinforcement at wingwall to culvert joint to better control cracking.
- **SCP-3 thru SCP-12**, Single Box Culverts, Precast – removed requirement for deformed welded wire reinforcement. Both smooth and deformed welded wire reinforcement are permitted in all single box culverts conforming to ASTM C 1433.
- **SCP-MD**, Box Culverts, Precast, Miscellaneous Details – added size of Bars H.
- **SETB-PD**, Safety End Treatment for Box Culverts, Type I, Parallel Drainage – side slopes steeper than 6:1 are removed for vehicle safety.
- **SETBR**, Safety End Treatment, Retrofit Details for Existing Box Culverts – epoxy anchorage adhesive, Type III (Class C), is required for anchoring elements in existing concrete.

These revised standard drawings apply to construction projects beginning with the February 2008 letting. Prior application 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 Gregg Freeby, P.E., at (512) 416-2192, or Mark Steves, P.E., at (512) 416-2265.

Note: Original Signed By William R. Cox

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

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