



MEMORANDUM

TO: District Engineers

DATE: March 27, 2002

FROM: Mary Lou Ralls, P.E.

SUBJECT: New and Revised Box Culvert Mounting Details for Bridge Rails (English)

Until recently, the T6 rail was the only bridge rail available that could be mounted directly on box culverts. However, it failed numerous high-speed crash tests based on NCHRP Report 350 and is no longer available for use on high speed design facilities. To allow other standard bridge rails to be mounted on box culverts, the Bridge Division has developed a rail anchorage curb detail, the RAC. This detail will require fill ranging from eight inches minimum to five feet maximum over the box culvert. We also revised the detail for mounting a T6 on a box culvert in low speed design applications, the T6-CM. These two standard details are now included with the culvert and drainage standards.

These and other standard drawings are available from the Bridge Standards (English) web pages in MicroStation® "dgn" and Adobe® Acrobat® "pdf" formats at <http://www.dot.state.tx.us/insdot/orgchart/cmd/cserve/standard/bridge-e.htm>. Please distribute this information to the appropriate district staff and area offices as well as those consulting engineers working on TxDOT projects.

If you have questions or comments concerning these new standards, please contact David W. McDonnold, P.E. at (512) 416-2229, Gregg Freeby, P.E. at (512) 416-2192, Mark J. Bloschock, P.E. at (512) 416-2178, or Jon T. Ries at (512) 416-2191.

Note: Original signed by Mary Lou Ralls

cc: Administration
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