



MEMORANDUM

TO: District Engineers **DATE:** December 1, 2004

FROM: Mark A. Marek, P.E.

SUBJECT: Revised Roadway Standards (English and Metric)

The following changes have been made to the roadway standard sheets.

The attached sheets will be applicable to all new construction projects beginning with the June 2005 letting. The use of these sheets prior to that date is at the option of the district. The new standards are available from the Roadway Standards web page in Microstation® "dgn". The following represents a summary of the individual sheet changes.

CSB(1) thru (8)-04 (English and Metric). These sheets replace CTBI(1)-99, CTB(2)-92, CTBI(3)-00, CTBI(4)-00, PCTB(1)-02, PCTB(2)-02, PCTB(3)-94, CBR(P&P)-87, CTBI(1)-99(M), CTB(2)-99(M), CTBI(3)-00(M), CTBI(4)-00(M), PCTB(1)-02(M), PCTB(2)-02(M), PCTB(3)-95(M) and CBR(P&P)-95(M). The new CSB sheets represent the F-Shape barrier the department will be incorporating into future projects. The portable concrete safety barrier includes a new joint connection, Type X. This connection replaces the non-proprietary connections shown in PCTB(2). Other changes include the placement of the light pole on top of the barrier without a cut away section, and pinning the precast barrier on asphalt concrete pavement or base with the option of a "Back" pin for use in locations where the possibility exists for backside hits.

The use of existing New Jersey Safety Shape permanent or portable concrete traffic barrier already cast or being cast for existing projects will only be allowed until the existing stock has been depleted. Existing barrier stockpiles should be examined and barrier segments damaged beyond reasonable repair condition should be eliminated. The Single Slope Concrete Barrier (SSCB) and Low-Profile Concrete Barrier (LPCB) are still viable concrete barrier options for use on future projects in appropriate applications. Substitution of the F-Shape barrier on existing projects is at the option of the district.

The option of a 10-foot precast section is intended for maintenance applications of short duration periods. The 10-foot barrier is limited to use in temporary work zone conditions not to exceed 2 calendar months, unless approved in writing by the TxDOT engineer, noting the duration and location of the barrier placement in the written approval. Thirty foot barrier sections and 10-foot barrier sections will not be mixed in a single run of barrier. Barrier lengths other than 30 feet or 10 feet are not allowed.

CTBI(1)-99, CTB(2)-92, CTBI(3)-00, CTBI(4)-00, CTBI(1)-99(M), CTB(2)-99(M), CTBI(3)-00(M) & CTBI(4)-00(M). These sheets have been deleted and replaced by CSB(1) thru (8)-04 (English and Metric).

PCTB(1)-02, PCTB(2)-02, PCTB(3)-94, PCTB(1)-02(M), PCTB(2)-02(M) & PCTB(3)-95(M). These sheets have been deleted and replaced by CSB(1), CSB(2), CSB(3), CSB(7) & CSB(8)-04 (English and Metric) for new construction and by PCTB(1), PCTB(2) & PCTB(3)-04 (English and Metric) for use of existing barriers until the stockpiles have been depleted.

CBR(P&P)-87 & CBR(P&P)-95(M). These sheets have been deleted and replaced by CSB(1), (2), (7) & (8)-04 (English and Metric) for new construction and by CBR(P&P)-04 (English and Metric) for use of existing barriers until the stockpiles have been depleted.

EMM HBF-74. This sheet has been deleted from the Roadway Standards and has been added to the Maintenance Standards.

CA HBF-69. This sheet has been deleted from the Roadway Standards and has been added to the Maintenance Standards.

HBF(CTB)-81. This sheet has been deleted from the Roadway Standards and has been added to the Maintenance Standards.

PCF-99 (English and Metric). This sheet has been deleted from the Roadway Standards and has been added to the Maintenance Standards.

BWI-99 (English and Metric). This sheet has been deleted from the Roadway Standards. Contact the Bridge Division for the latest barrier wall inlet detail.

If you have any questions or need additional information concerning these standard details, please contact Rory Meza, P.E., Director of the Roadway Design Section, Design Division, at (512) 416-2678.

Note: Original Signed by Mark A. Marek, P.E.

Attachments

cc: Administration
Bridge Division
Construction Division
General Services Division
Maintenance Division
Texas Turnpike Authority Division

District Engineers

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Traffic Operations Division
Federal Highway Administration