



MEMORANDUM

TO: District Engineers

DATE: December 30, 2010

FROM: Mark A. Marek, P.E. *mm*

SUBJECT: Revised Roadway Standards

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

The sheets will be applicable to all new construction projects beginning with the June 2011 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". See <http://www.dot.state.tx.us/business/standardplanfiles.htm>. Please distribute this information to the appropriate district staff and area offices, as well as consulting engineers working on TxDOT projects.

The following represents a summary of the individual sheet changes:

CSB(1)-10. CSB(1)-10 (2 sheets) replaces CSB (1) & (2) -04 with regard to precast concrete barrier details. Sheet 1 of 2 provides details of the Type X joint connection and updated the reinforcing steel for (Type 1) precast concrete barrier. Sheet 2 of 2 provides details of the acceptable proprietary (Type Q & J) joint connections.

CSB(2)-10. CSB(2)-10 replaces CSB(1)-04 with regard to cast-in-place details. Details for cast-in-place (Type 1) permanent concrete barrier, when used on flexible pavement, are shown.

CSB(3)-10. CSB(3)-10 replaces CSB(3)-04 and provides details for cast-in-place (Type 1) permanent concrete barrier when used on Bridge Decks or Continuously Reinforced Concrete Pavement (CRCP). Details for the new anchorage requirements are shown.

CSB(4)-10. CSB(4)-10 replaces CSB(4)-04 and provides for updates to reinforcement and new anchorage on concrete pavement or bridge decks for light pole locations. Luminaire installation details can now be found on Traffic Operations standards RIP and RID.

CSB(5)-04. CSB(5)-04 is deleted and is not replaced. These details are covered on Traffic Operations standards RIP and RID.

CSB(6)-10. CSB(6)-10 replaces CSB(6)-04 and provides updated details and anchorage requirements for cast-in-place (Type 3) permanent concrete barrier at fixed objects.

CSB(7)-10. CSB(7)-10 replaces CSB(7)-04 and provides acceptable pinning details for precast (Type 1) concrete barrier on flexible and concrete pavement. A "Bolt-Through" option is also shown for bridge decks.

CSB(8)-10. CSB(8)-10 replaces CSB(8)-04 and provides updated reinforcement details for (Type 4) precast concrete barrier.

SSCB(1)-10. SSCB(1)-10 replaces SSCB(1)-04 and provides details for cast-in-place (Type 1) permanent concrete barrier when used on Bridge Decks or Continuously Reinforced Concrete Pavement (CRCP). Details for the new anchorage requirements are shown.

SSCB(1F)-10. SSCB(1F)-10 is a new sheet and provides details of cast-in-place (Type 1) permanent concrete barrier on flexible pavement.

SSCB(2)-10. SSCB(2)-10 (2 sheets) replaces SSCB (2)-00A with regard to precast concrete barrier details. Sheet 1 of 2 provides details of the Type X joint connection for (Type 1) precast concrete barrier. Sheet 2 of 2 provides details of the revised rebar grid connection (Type R) and the acceptable proprietary (Type Q & J) joint connections.

SSCB(3)-10. SSCB(3)-10 replaces SSCB(3)-02 and provides for a welded wire reinforcement option and acceptable lateral support options indicating that their details can be found on SSCB(1) & (1F)- 10 standards.

SSCB(4)-10. SSCB(4)-10 replaces SSCB(4)-00 and provides for updated reinforcement and new anchorage on concrete pavement or bridge decks for light pole locations. Luminaire installation details can now be found on Traffic Operations standards RIP and RID.

SSCB(5)-10. SSCB(5)-10 is a new sheet that provides for acceptable pinning details for precast (Type 1) concrete barrier on flexible and concrete pavements. A "Bolt-Through" option is also shown for bridge decks.

LPCB-10. LPCB-10 (2 sheets) replaces LPCB(1) & (2) -92 and provides updated reinforcing steel requirements for the welded wire option.

FSLP(TR)-10. FSLP(TR)-10 (2 sheets) are new sheets and provide details of a precast barrier transition segment (Type T) from the F-Shape (32") barrier to the LPCB (20") barrier.

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.

cc: Administration
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