



# MEMO

July 15, 2014

**To:** District Engineers  
**From:** Gregg Freeby, P.E.  
Interim Director, Design Division  
*Gregg Freeby, P.E.*  
**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 January 2015 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:

**PCTB(1) thru (3) -04.** These sheets have been removed and are not replaced. The New Jersey shaped barrier was replaced by the "F" shaped barrier in 2004. These PCTB sheets were made available for existing stockpiles only which should have been reduced significantly by this timeframe.

**CBR (P&P)-04.** The CBR(P&P)-04 is a removed and not replaced. The CBR(P&P) sheet was made available for existing stockpiles only which should have been reduced significantly by this timeframe.

**SGT(7)31-14.** The SGT(7)31-14 is a replacement of SGT(7)31-11. The sheet has been modified to show the "Approach Grading at Guardrail End Treatments" detail at the bottom of the sheet with guardrail in lieu of the attachment to a bridge.

**SGT(7S)31-14.** The SGT(7S)31-14 is a replacement of SGT(7S)31-11. The sheet has been modified to show the "Approach Grading at Guardrail End Treatments" detail at the bottom of the sheet with guardrail in lieu of the attachment to a bridge. Note No. 10 has been added which allows composite in lieu of wood blocks.

**SGT(8)31-14.** The SGT(8)31-14 is a replacement of SGT(8)31-11. The sheet has been modified to show the "Approach Grading at Guardrail End Treatments" detail at the bottom of the sheet with guardrail in lieu of the attachment to a bridge. Under the "Bill of Material", added an option for the thickness for item nos. S730 & S735, revised the item numbers for the Cable Anchor Box bolt, nut and washer, and corrected quantities for item nos. W050, N050, & W012A.

**SGT(8S)31-14.** The SGT(8S)31-14 is a replacement of SGT(8S)31-11. The sheet has been modified to show the "Approach Grading at Guardrail End Treatments" detail at the bottom of the sheet with guardrail in lieu of the attachment to a bridge. The Elevation view has been modified to include a note on the top left side to show standard wood or steel MBGF posts can be attached to the steel post system, and the soil plate on

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post 1 is now shown. The Item numbers for Cable Anchor Box bolt, nut, and washer have been revised and the quantity for item no. W012A was corrected.

**SGT(9S)31-14.** The SGT(9S)31-14 is a new standard sheet which depicts a steel post MBGF terminal system which can be attached to wood or steel post MBGF systems.

**ABSORB-14.** The ABSORB-14 is a replacement of ABSORB-13. This number of elements and length of system for the TL-3 was corrected to show what was actually tested and being supplied.

**SLED-14.** The SLED-14 is a new standard sheet which depicts a water-filled crash cushion system for use in temporary work zone locations.

**SGT(7)-14.** The SGT(7)-14 is a replacement of SGT(7)-11. The sheet has been modified to show the "Approach Grading at Guardrail End Treatments" detail at the bottom of the sheet with guardrail in lieu of the attachment to a bridge. Detail A has been removed. The references to "At non-curbed locations...." and "At curbed locations...." under Note 4 have been deleted.

**SGT(7)H-14.** The SGT(7)H-14 is a replacement of SGT(7)H-10. The sheet has been modified to show the "Approach Grading at Guardrail End Treatments" detail at the bottom of the sheet with guardrail in lieu of the attachment to a bridge. Detail A has been removed. The references to "At non-curbed locations...." and "At curbed locations...." under Note 3 have been deleted.

**SGT(8)-14.** The SGT(8)-14 is a replacement of SGT(8)-11. The sheet has been modified to show the "Approach Grading at Guardrail End Treatments" detail at the bottom of the sheet with guardrail in lieu of the attachment to a bridge. Detail A has been removed. Under the plan view, and alternate panel configuration is noted for the #1 Deep beam guardrail [S1305]. A new Note 1 has been added which results in all the notes being renumbered. The references to "At non-curbed locations...." and "At curbed locations...." under Note 5 (previously note 4) have been deleted. A second sentence has been added under Note 10. The Wood Post [P650] detail has been revised to show the Universal Wood Post detail. Under the "Bill of Material", alternative panels for item no. G1205 shown, reversed the thickness option for codes # S730 & S735, the item numbers for Cable Anchor Box bolt, nut and washer have been revised, and corrected the quantities for item no. W012A.

**SGT(8)H-14.** The SGT(8)H-14 is a replacement of SGT(8)H-09. The sheet has been modified to show the "Approach Grading at Guardrail End Treatments" detail at the bottom of the sheet with guardrail in lieu of the attachment to a bridge. Detail A has been removed. Under the Plan View, an alternate panel configuration is noted for the #1 Deep beam guardrail [S1305]. Under the Impact Head Connection Detail, an alternative bolt, nut and washer is shown. The Post #1 Connections Details, Front View has been corrected to show the cable tie [CT-100ST]. A new Note 1 has been added which results in all the notes being renumbered. The references to "At non-curbed locations...." and "At curbed locations...." under Note 5 (previously note 4) have been deleted. Under the "Bill of Material", added alternative panels for item no. G1205, added Item No. CT-100ST, revised the item numbers for Cable Anchor Box bolt, nut and washer, and corrected the quantity for item no. W012A.

**SGT(9S)28-14.** The SGT(9S)28-14 is a new standard sheet which depicts a steel post MBGF terminal system which can be attached to wood or steel post MBGF systems.

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.

Attachment

cc: Administration  
Bridge Division  
Construction Division  
General Services Division  
Maintenance Division  
Traffic Operations Division  
Federal Highway Administration