



MEMORANDUM

TO: District Engineers

DATE: September 28, 2009

FROM: Mark A. Marek, 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 March 2010 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:

MBGF-09. MBGF-09 is a replacement of MBGF-03A and provides revised details of metal beam guard fence. This sheet reflects updated hardware connection details and general notes that conform to current specifications. It also clarifies the use of the "Low-Fill Culvert Post", including its use only on non-bridge class culverts. Additional information regarding the installation requirements when solid rock is encountered at specific depths is addressed.

MBGF(TR)-09. MBGF(TR)-09 is a replacement of MBGF(TR)-05 and provides revised details of metal beam guard fence transition. This sheet reflects updated installation details and general note changes that conform to current specifications. A note on "Transition Section C-C," which makes the bottom post bolt optional, was added. The MBGF standard is referenced for installation guidance when solid rock is encountered.

MBGF(TL2)-09. MBGF(TL2)-09 is a replacement of MBGF(TL2)-05 and provides revised details of metal beam guard fence transition (TL2). This sheet reflects several general note changes that conform to current specifications. Details regarding hardware connections and rail chamfer have been added to the elevation view. The MBGF standard is referenced for guidance when solid rock is encountered.

MBGF(T101)-09. MBGF(T101)-09 is a replacement of MBGF(101)-05 and provides revised details of metal beam guard fence transition (T101 Bridge Rail). This sheet reflects several general note changes that conform to current specifications. Details regarding hardware connections have been added to the elevation view. The MBGF standard is referenced for guidance when solid rock is encountered.

MBGF(MS)-09. MBGF(MS)-09 is a replacement of MS-03 and provides revised details of Metal Beam Guard Fence (Mow Strip). This sheet replaced the elevation view with a "Grading and Mow Strip at Guardrail End Treatments" detail. It also provides clarification on

the "Mow Strip Detail" by adding the minimum dimension required behind post. General Note 1 was added.

BED-09. BED-09 is a replacement of BED-03 and provides revised details. General note 8 was updated and note 9 deleted. Horizontal clearance note was added to the "Two Lane (Rural) Highways" detail. A note was added to Detail A.

SGT(7)-09. SGT(7)-09 is a replacement of SGT(7)-03A and provides revised details of Single Guardrail Terminal (ET-2000 Plus)(Wood Post). This sheet added a "Grading at Guardrail End Treatments" detail. It updated current manufacturer part numbers. General note 7 provides direction if solid rock is encountered.

SGT(7)H-09. SGT(7)H-09 is a replacement of SGT(7)H-03A and provides revised details of Single Guardrail Terminal (ET-2000 Plus)(Hinged Breakaway Steel Post). This sheet added a "Grading at Guardrail End Treatments" detail. It updated current manufacturer part numbers. General note 4 provides direction if solid rock is encountered.

SGT(8)-09. SGT(8)-09 is a replacement of SGT(8)-03A and provides revised details of Single Guardrail Terminal (SKT 350)(Wood Post). This sheet added a "Grading at Guardrail End Treatments" detail. It updated current manufacturer part numbers. General note 7 provides direction if solid rock is encountered.

SGT(8)H-09. SGT(8)H-09 is a replacement of SGT(8)H-05 and provides revised details of Single Guardrail Terminal (SKT 350)(Hinged Steel Post). This sheet added a "Grading at Guardrail End Treatments" detail. It updated current manufacturer part numbers. General note 6 provides direction if solid rock is encountered.

EC(1)-09. EC(1)-09 is a replacement of EC(1)-93 and provides revised details of Temporary Erosion, Sediment and Water Pollution Control Measures (Fence & Baled Hay). A hinged joint knot woven mesh detail has been added as an option to the temporary sediment control fence.

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
Audit Office
Bridge Division
Construction Division
Maintenance Division
Texas Turnpike Authority Division
Traffic Operations Division
Federal Highway Administration

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