



# MEMO

August 25, 2014

**To:** District Engineers

**From:** Rene Garcia, P.E. *RG*  
Director, Design Division

**Subject:** Revised Roadway Standards

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

Special Specification 1147 was approved for statewide use which allowed, at the district option, the contractor to supply either a portable concrete or steel barrier. The following new standards are 3 options for steel barriers that the district may incorporate on any construction project utilizing Special Specification 1147. Steel barriers have tested deflections ranging from 3 to 6 ft., with anchoring at the end of the runs, to minimal deflections of 1 to 3 inches when anchored more frequently.

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:

**BARRIERGUARD-14.** This is a new standard which provides the details for the BarrierGuard 800 system which is manufactured by Highway Care, LTD.

**VULCAN-14.** This is a new standard which provides the details for the Vulcan® Barrier system which is manufactured by Energy Absorption Systems.

**ZONEGUARD-14.** This is a new standard which provides the details for the Zoneguard® Barrier system which is manufactured by Hill & Smith, Inc.

**2014 EPIC.** The Environmental Permits, Issues and Commitments sheet has been revised under Section IV, Vegetation Resources, adding the 2<sup>nd</sup> sentence listing adherence to several construction specifications.

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

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