



# MEMORANDUM

**TO:** District Engineers

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

**SUBJECT:** Revised Roadway Standards

**DATE:** March 26, 2010

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

The sheets will be applicable to all new construction projects beginning with the September 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:

**QUAD(N)-10.** The QUAD(N)-10 is a replacement of QUAD(N)-99 and provides revised details of the Quadguard System (Narrow). This sheet reflects an updated model type showing details of the Quadguard II System (Narrow) as well as updates systems lengths (number of bays) for all design speeds.

**QUAD(W)-10.** The QUAD(W)-10 is a replacement of QUAD(W)-99 and provides revised details of the Quadguard System (Wide). This sheet reflects an updated model type showing details of the Quadguard II System (Wide) as well as updates systems lengths (number of bays) for all design speeds.

**QGELITE(N)-10.** The QGELITE(N)-10 is a replacement of QGELITE(N)-99 and provides revised details of the Quadguard (Elite) System (Narrow). This sheet reflects the updated system lengths (number of bays) for all design speeds.

**QGELITE(W)-10.** The QGELITE(W)-10 is a replacement of QGELITE(W)-99 and provides revised details of the Quadguard (Elite) System (Wide). This sheet reflects the updated system lengths (number of bays) for all design speeds.

**QUEST-10.** The QUEST-10 is a replacement of QUEST-06 and provides revised details of the Quest System. This sheet reflects updates to the model type allowing a Type TL-2 Low Speed System as well as adds backup widths of 30" and 36" to the system.

**HEART-10.** The HEART-10 is a new standard and provides details of the Trinity Hybrid Energy Absorbing Reusable Terminal.

**ABSORB-10.** The ABSORB-10 is a replacement of ABSORB-05 and provides revised details of the Absorb System. This sheet reflects a restriction to barrier height and updated system lengths (number of elements) for various design speeds.

**ACZ(350)-10.** The ACZ(350)-10 is a new standard and provides details for the Energy Absorption Crash Cushion (ACZ-350 System)(Temporary, Work Zone use only).

**VIA(SFPM)-10.** The VIA(SFPM)-10 is a new standard and provides details of the Vehicle Impact Attenuator (Sand filled Plastic Modules). This sheet replaces the design guideline detail VIA(SFPM). Site specific details may still be required with the use of this standard.

**EMRW-94.** The EMRW-94 has been deleted from the Roadway Design Division Standards and moved to the Bridge Division Standards.

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.

cc: Administration  
Audit Office  
Bridge Division  
Construction Division  
General Services Division  
Maintenance Division  
Texas Turnpike Authority Division  
Traffic Operations Division  
Federal Highway Administration