



MEMO

July 1, 2019

To: District Engineers

From: Camille Thomason, P.E.
Director, Design Division

Subject: Revised Roadway Standards

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

The standard sheets will be applicable to all new construction projects beginning with the October 2019 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” and Adobe “pdf” format. See <http://www.dot.state.tx.us/insdot/orgchart/cmd/cserve/standard/rdwylse.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 the standard sheets changed.

ABSORB(M)-19 The ABSORB(M) is a new system which depicts a sacrificial, non-redirective, gating, water-filled crash cushion. The crash cushion is available exclusively for use in temporary work zone applications. This crash cushion is available in both MASH TL-3 and MASH TL-2 compliant systems.

ZONEGUARD-19 The ZONEGUARD-19 is a replacement of ZONEGUARD-14. The standard has been updated to reflect MASH compliant conditions and applications. This steel portable barrier is MASH TL-3 compliant.

BARRIERGUARD-19 The BARRIERGUARD-19 is a replacement of BARRIERGUARD-14. The standard has been updated to reflect MASH compliant conditions and applications. This steel portable barrier is MASH TL-3 compliant.

QGELITE(W)-19. The QGELITE(W)-19 is a replacement of QGELITE(W)-17. The standard has been updated to specify that 5 bays are applicable for the TL-2 test conditions. This Low Maintenance wide crash cushion is assessed as NCHRP-350 compliant only.

The following non-MASH compliant standard is removed from the list of available standards:

ABSORB-16 This crash cushion system is removed from the list of available standards.

Note, that per previous FHWA and TxDOT guidance portable barriers used in Temporary Work Zone (TWZ) applications must be MASH compliant if manufactured after 12/31/19. Portable barriers manufactured on or before 12/31/19 may be NCHRP 350 compliant if in good condition. Additionally, sacrificial water-filled crash cushions are designated exclusively for use in TWZ applications; and thus the same 12/31/19 manufacture date governs whether the crash cushion must be MASH or NCHRP 350 compliant.

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If you have questions or need additional information concerning these standard details, please contact Kenneth Mora, P.E., Roadway Design Section Director, at (512) 416-2678.

CC: William L. Hale, P.E., ADM
Randy C. Hopmann, P.E., ADM
C. Michael Lee, P.E., ADM
Graham Bettis, P.E., BRG
Gina Gallegos, P.E., CST
Daniel I. Stacks, P.E., MNT
Peter Smith, P.E., TPP
Michael A. Chacon, P.E., TRF
James Stevenson, P.E., MNT
George Villareal, P.E., TRF
Jamie Farris, P.E., BRG
Ujval Patel, FHWA
Steve Ratke, FHWA
Procurement Division
Thomas Bohuslav, P.E., AGC