



# MEMO

August 9, 2021

**To:** District Engineers

**From:** Marisabel Z. Ramthun, P.E.  
Director, Design Division

**Subject:** Revised Roadway Standards

DocuSigned by:  
*Marisabel Z. Ramthun*  
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The following changes have been made to the roadway standards sheets. This memorandum supersedes (replaces) the standards update memorandum dated July 28, 2021.

The new standard sheets will be available for all new construction projects beginning with the December 2021 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/insdotdot/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 new standard sheets.

**HIGHWAYGUARD -21** The HIGHWAYGUARD -21 is a new standard sheet which depicts a steel longitudinal barrier system that is available in a standard system, and a lower deflection system. The system is available for use in both permanent applications, and temporary work zone applications. The Highwayguard Barrier is available in a MASH TL-3, and a MASH TL-4 compliant system.

**HV2 BARRIER -21** The HV2 BARRIER -21 is a new standard sheet that depicts a steel longitudinal barrier system that is free standing. The system is available for use in temporary work zone applications only. The HV2 steel barrier is available in a MASH TL-4 compliant system.

**QUADGUARD (M)(W) -21** The QUADGUARD(M)(W) -21 is a new standard sheet which is a wide crash cushion system that depicts a reusable, redirective, non-gating, proprietary unit. The crash cushion is approved exclusively for a 69" width system, and is available for use in both permanent applications, or temporary work zone applications. This crash cushion is available in a MASH TL-3 compliant system.

**REACT (M) -21** The REACT (M) -21 narrow system is a new standard sheet which is a low maintenance, redirective, non-gating, crash cushion that includes a self-contained backup structure. The crash cushion is designed to protect roadside obstacles up to 30" wide when impacted, and is available for use in both permanent applications, or temporary work zone applications. This crash cushion is available in a MASH TL-3 compliant system.

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

**REACT(N) – 16** This crash cushion system is removed from the list of available standards.

**QUAD(W) – 17** This crash cushion system is removed from the list of available standards.

If you have any questions regarding the roadside safety hardware updates, please contact Kenneth Mora, P.E., Roadway Design Section Director at (512) 416-2678.

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