



MEMO

April 26, 2023

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.

The standard sheets will be available for all new construction projects beginning with the October 2023 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/insdtdot/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 updated standard sheets.

MATT(1)-23 The MATT(1)-23 is a new standard sheet which depicts a sacrificial, redirective, and gating crash cushion that is specifically designed to connect directly to W-Beam Median guardrail. The unit is 31" in height and provides unidirectional and bidirectional protection. This crash cushion is a MASH TL-3 compliant system.

WMED-23 The WMED-23 W-Beam Median Barrier is a new standard sheet which depicts a double sided guardrail system that provides unidirectional and bidirectional protection. The system is 31" in height and is a MASH TL-3 compliant system.

CRCP(1)-23 CRCP(1)-23 is a replacement of CRCP(1)-20. The vertical location of the longitudinal and transverse reinforcing steel will now be positioned higher in the pavement as detailed in Table 1. The additional reinforcing steel at the transverse construction joints has been eliminated.

CRCP(2)-23 CRCP(2)-23 is a replacement of CRCP(2)-20. The additional reinforcing steel at the transverse construction joints has been eliminated.

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

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

CATGR(2)-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 Standards (DES) at (512) 416-2678. For questions on the updated CRCP standards, please contact Andy Naranjo, P.E. (MTD) at (512) 506-5858.

OUR GOALS

MAINTAIN A SAFE SYSTEM ▪ ADDRESS CONGESTION ▪ CONNECT TEXAS COMMUNITIES ▪ BEST IN CLASS STATE AGENCY

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