



MEMO

March 3, 2014

To: District Engineers

From: Mark A. Marek, P.E. *mm*
Director, Design Division

Subject: Revised Roadway Standards

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

Cable median barrier details which have been previously sealed by the manufacturers' for inclusion in projects specifying cable median barrier are now roadway standard sheets. These sheets will be applicable to any construction project utilizing cable median barrier.

Each cable barrier system has standards for either a Test Level 3 and/or Test Level 4. The selection of Test Level 4 (TL-4) cable barrier over Test Level 3 (TL-3) barrier is at the district's option. FHWA policy requires that all roadside appurtenances such as traffic barriers and barrier terminals used on the National Highway System meet the performance criteria contained in the National Cooperative Highway Research Program (NCHRP) Report 350, *Recommended Procedures for the Safety Performance Evaluation of Highway Features* or the updated testing procedures found in *The Manual for Assessment of Safety Hardware (MASH)*. Safety features approved to Test Level 3 (TL-3) are acceptable for high speed arterial highways. Any decision to apply TL-4 should be made based on site conditions, local traffic, and economy, using engineering judgment.

In addition to the cable barrier standards, an updated Seal Coat Material Selection Table design detail sheet is being released for use on seal coat projects.

These 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:

BRIFEN(TL4)-14 (3 sheets). BRIFEN (TL4)-14 (3 sheets) is a new standard for the Brifen Wire Rope Safety Fence which is available only as a TL-4 system.

CASS(TL3)-14 & CASS(TL4)-14. CASS(TL3)-14 and CASS(TL4)-14 are new standards for the Trinity Cable Safety System which is available as a TL-3 and TL-4 system.

GBRLTR(TL3)-14 & GBRLTR(TL4)-14. GBRLTR(TL3)-14 and GBRLTR(TL4)-14 are new standards for the Gibraltar Cable Barrier which is available as a TL-3 and TL-4 system.

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NU-CABLE(TL3)-14 & NU-CABLE(TL4)-14 (2 sheets). NU-CABLE(TL3)-14 (2 Sheets) and NU-CABLE(TL4)-14 (2 sheets) are new standards for the Nucor Marion Nu-Cable Barrier System which is available as a TL-3 (3 or 4 cable) and 4 cable TL-4 system.

2014 Seal Coat Material Selection Table design detail sheet has been updated to match revised Form 2388 and is applicable to all seal coat construction projects. If you have any questions or need additional information concerning this detail, please contact Jerry Peterson, P.E., of the Construction Division, at 512-506-5808.

If you have any questions or need additional information concerning the cable barrier standard details, please contact Rory Meza, P.E. at (512) 416-2678.

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