



MEMORANDUM

TO: District Engineers

DATE: April 1, 2003

FROM: Ken Bohuslav, P.E.

SUBJECT: Revised Roadway Standards (English and Metric)

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

The attached sheets will be applicable to all new construction projects beginning with the September 2003 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". The following represents a summary of the individual sheet changes.

MBGF(TL2)-03 (English and Metric). The MBGF(TL2)-03 and the MBGF(TL2)-03(M) are new sheets representing the guardrail to concrete rail transition section for use in low speed conditions (45 mph or less). Most existing concrete bridge rails will accommodate this connection. For new bridge rail construction, contact Mark Bloschock, P.E. of the Bridge Division at (512) 416-2178 for connection details.

SSCC-03 (English and Metric). The SSCC-03 and the SSCC-03(M) are new sheets representing a short-length crash cushion system that attaches directly to rigid barrier end and many concrete bridge rails. The memorandum of March 24, 2003 from the Specification Committee approved the system for statewide use. The Special Specification numbers are 5984(93) and 5456(95). For concrete bridge rail connection details, contact Mark Bloschock, P.E. of the Bridge Division at (512) 416-2178.

REACT(N)-03 (English and Metric). These sheets are a revision of REACT(N)-00 (English and Metric). On sheet 1 of 2, under the General Notes, previous notes 1 and 5 were deleted, the contact company's name was revised in note 2, and note 4 was added. The typical views titles were revised to depict the two backup units available. On Typical Plan "B", a second transition plate was added to attach the unit to a concrete barrier. On sheet 2 of 2, the Front Section of Base Track detail was revised to show the varying lengths of the track based on the number of cylinders. The memorandum of March 24, 2003 from the Specification Committee approved a revised specification for this system. The Special Specification numbers are 5985(93) and 5455(95).

REACT(W)-03 (English and Metric). The sheets are a revision of REACT(W)-01 (English and Metric). These sheets were revised to show two additional system widths that are available. The steel backup option is now shown on the bottom plan and elevation views. The table for the foundation types was revised to list all foundation types. General Notes 1, 2 and 8 were added. The Special Specification numbers 5985(93) and 5455(95) are also applicable for this system.

MS-03 (English and Metric). The MS-03 and MS-03(M) are new sheets. These sheets provide mow strip details for placing concrete and asphaltic pavement around metal beam guard fence, transitions and single guardrail terminals. These details were developed based on research findings to provide a system that would resist vegetation growth, be easily repaired, and would perform as a crashworthy guard fence system that allows the posts to rotate unimpeded, absorbing energy of the impacting vehicle. Although crash tests have shown minimal damage to the mow strip when built with the specified leaveout, the benefits of mow strips should be evaluated at each location versus the use of conventional vegetation control.

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

Note: Original Signed by Ken Bohuslav, P.E.

Attachments

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