



MEMO

July 17, 2013

To: District Engineers
From: Carol T. Rawson, P.E., Director
Traffic Operations Division
Subject: Barricade and Construction Standard Sheets

The Traffic Operations Division has revised the Barricade and Construction (BC) standard sheets.

The standard sheets are revised to bring them into compliance with the 2011 Texas Manual on Uniform Traffic Control Devices (TMUTCD). The sheets will be applicable to all new construction projects beginning with the November 2013 letting.

Following is a summary of the changes to each standard sheet:

General

- Updated sign nomenclature for consistency with 2011 TMUTCD and 2012 Standard Highway Sign Design (SHSD) for Texas.
- Updated references to Departmental Material Specifications (DMS) 8300 and retro-reflective sheeting designations.
- Changed "Type III Barricade" references to "Type 3 Barricade" for consistency with TMUTCD.
- Redrew various details, legends or tables to improve clarity.
- Made minor editorial corrections.

BC (1) – 13

- Made reference to the TxDOT internet page for various documents referenced in the BCs.
- Modified requirements for Traffic Fines Double signing for mobile operations projects.

BC (2) – 13

- Removed detail for "OBEY WARNING SIGN STATE LAW" sign as it is now in the SHSD.
- Clarified note describing usage of the "BEGIN WORK ZONE" plaque and "END WORK ZONE" sign.
- Added work zone approach SPEED LIMIT SIGN to detail drawings per legislative bill.
- Added work zone departure SPEED LIMIT SIGN to detail drawings.

BC (3) – 13

- Removed "NIGHT 65" speed limit signs per new legislation.
- Added note referring to TxDOT Form #1204 for guidance on the application of construction speed zones.

BC (4) – 13

- Removed redundant note regarding attachment of signs with nails.
- Removed redundant note regarding the use of smaller signs when listed on the table on BC (2).
- Revised note requiring the Contractor to furnish the sign sizes shown in the plans.
- Revised note 2 under “REMOVING OR COVERING” to eliminate unnecessary text.
- Revised note 6 under “REMOVING OR COVERING” to eliminate unnecessary text.
- Revised note for sandbags from “cohesionless sand is recommended” to “cohesionless sand should be used.”
- Combined related notes 5 and 6 under “SIGN SUPPORT WEIGHTS.”
- Added a note allowing flags on signs and describing appropriate size and color.

BC (5) – 13

- Replaced the dual leg Perforated Square Steel Tubing (PSST) skid detail with a new detail for a support that is approved for a variety of substrates.
- Clarified the sign substrate description for the PSST single upright skid support.
- Enlarged the note referring to the Compliant Work Zone Traffic Control Device List (CWZTCD) list for additional sign support details.

BC (6) – 13

- Revised PCMS abbreviation table for consistency with the TMUTCD.
- Modified the requirement to delineate Portable Changeable Message Sign (PCMS) signs to address two-way traffic.

BC (7) – 13

- Removed “Type C Delineator” from the Material Producer List (MPL) reference for Barrier Reflectors for consistency with D&OM standards and MPL.
- Replaced obsolete delineation requirements for end treatments with current reference to D&OM(VIA) standard.
- Modified note for Barrier Reflectors to be subsidiary to Item 512 instead of Item 502.
- Removed obsolete requirement for Barrier Reflectors to use reflective sheeting.
- Modified the term “Arrow Panel” to “Arrow Board” for consistency with TMUTCD.
- Added the “Alternating Diamond Caution Mode” for use on Arrow Boards.
- Added reference to the Manual for Assessing Safety Hardware (MASH) under “TRUCK MOUNTED ATTENUATORS (TMAs).”
- Deleted obsolete note regarding age requirements of TMAs.
- Included note for locations of warning lights and warning reflectors to be as shown elsewhere in the plans.

BC (8) – 13

- Removed wall thickness and weight tolerance requirement from drum details for consistency with CWZTCD list.
- Added guidance on Detectable Pedestrian Barricades.
- Added note to refer to CWZTCD list for drums approved for use with recycled truck tire ballast.

BC (9) – 13

- Changed the requirement for the amount of sheeting on Vertical Panels (VPs) for freeway usage to an option for consistency with the TMUTCD.
- Removed references to black vinyl for compliance with DMS-8300.
- Removed the upper range of spacing for channelizing devices on a tangent from the spacing table to comply with the TMUTCD.
- Revised the weight of portable bases to be a minimum of 30 pounds for consistency with the CWZTCD list.
- Provided additional guidance for reflective delineation of Longitudinal Channelizing Devices.
- Removed the detail for separating two-way traffic with channelizing devices. It has been revised and incorporated into the Work Zone (WZ) standard sheets.

BC (10) – 13

- Revised the notes for cones to simplify and clarify.
- Noted that Edgeline Channelizers will not be used on projects let after March of 2014.

BC (11) – 13

- Updated Departmental Material Specification references.
- Revised the minimum time frame for markings to be removed to three days for consistency with the TMUTCD.

BC (12) – 13

- Modified the pattern for broken line pavement markings when simulated by raised markers for compliance with the TMUTCD.
- Added pavement marking patterns for Auxiliary or Lane Drop Lines.

The revised standard sheets are available in MicroStation and PDF formats at the following web address:

<http://www.txdot.gov/insdtdot/orgchart/cmd/cserve/standard/toc.htm>

If you have any questions, please contact Michael Chacon at (512) 416-3120 or me at (512) 416-3200.

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