



# MEMO

July 17, 2013

**To:** District Engineers

**From:** Carol T. Rawson, P.E., Director  
Traffic Operations Division

**Subject:** Work Zone Standard Sheets  
WZ (TD), (STPM), (UL), (RCD),  
(BTS-1), (BTS-2) & (BRK)

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The Traffic Operations Division has revised the Work Zone (WZ) 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 references to Departmental Material Specifications (DMS) 8300 and retro-reflective sheeting designations.
- Replaced the Standards Engineer contact information and step by step directions to the Compliant Work Zone Traffic Control Devices (CWZTCD) list with a link to the web address.
- Removed some notes that are covered on other standards or Texas Manual on Uniform Traffic Control Devices (TMUTCD).

## WZ(TD) – 13

- Removed information on Direction Indicator Barricades now shown on the Barricade and Construction (BC) Standards.
- Revised the Safety Glare Fence to provide better guidance on locations where installation would be appropriate.
- Removed obsolete details on curve delineation typically covered on the Delineator and Object Marker (D&OM) Standard Sheets.
- Added a detail for the use of Vertical Panels (VPs) and Opposing Traffic Lane Dividers (OTLDs) separating two-way traffic on normally divided highways.

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### **WZ(STPM) – 13**

- Added detail for simulating wide dotted lines and wide gore markings with tabs or tape.
- Added details for locating wide dotted lines and wide gore markings on divided highways.

### **WZ(UL) – 13**

- Added minimum warning sign sizes for conventional and divided roadways for consistency with the TMUTCD.
- Added required signs in the opposite direction when the uneven lane condition falls between lanes of opposing traffic flow.
- Removed the requirements for “ROUGH ROAD” (CW8-8) signs from uneven lane treatments except where spalling or holes occur in the pavement.
- Changed the “NO CENTER STRIPE” signs to “NO CENTER LINE” signs for consistency with the TMUTCD.
- Required the “NO CENTER LINE” (CW8-12) signs to be repeated every two miles where center line markings are not in place for consistency with the TMUTCD.
- Removed the “NEXT XX MILES” plaques due to the new requirements for repeating the signs.
- Added two additional edge condition diagrams to show required devices for edge heights up to 3 inches for sloped edges or when using the “Notched Wedge Joint.”
- Added sign nomenclature not shown previously.
- Added titles to each plan view.

### **WZ(RCD) – 13**

- This is a new standard that provides details for signing and barricades for temporary road closures in a work zone. It replaces the WZ(DERD) – 03 standard. For permanent road closure details, see the latest D&OM standard sheets.

### WZ(BTS-1) – 13

- Moved the “Typical Advance Signing” detail to WZ(BTS-2) – 13 where the typical signing notes reside.
- Revised title to “TRAFFIC SIGNAL WORK TYPICAL DETAILS” to accommodate maintenance of signals.
- Updated the Channelizing Device and Sign Spacing table to conform with 2011 TMUTCD.
- Replaced “Typical Loop Detector Installation” traffic control details with Short Duration or Short Term Stationary lane closure details applicable to detector installation or other signal operations.
- Updated the “Typical Hanging Signal Installations” detail for consistency with the 2011 TMUTCD.
- Renamed the “Typical Hanging Signal Installations” detail to “Operations In The Intersection.”
- Added bold text box reading “**WORKERS IN BUCKET TRUCKS SHALL NOT WORK ABOVE OPEN LANES OF TRAFFIC**” consistent with the previous safety alert issued by the Occupational Safety Division and Traffic Operations Division.
- Revised the notes to accommodate the revised details on this page.
- Removed “Typical Restricted Pedestrian Movements” detail as it is no longer compliant with the TMUTCD. New “Pedestrian Control” requirements were added to WZ(BTS-2) – 13.

### WZ(BTS-2) – 13

- Removed redundant details from this sheet that are now covered on WZ(BTS-1) – 12.
- Modified title to “TRAFFIC SIGNAL WORK BARRICADES AND SIGNS” to accommodate maintenance of signals.
- Added “Typical Advance Signal Project Signing” detail previously shown on WZ(BTS-1) – 13.
- Added “Pedestrian Control” notes and details for compliance with the 2011 TMUTCD.
- Revised the notes for signing to eliminate unnecessary or redundant language.
- Added the OBEY WARNING SIGNS STATE LAW (R20-3T) sign to the “Typical Advance Signal Project Signing” detail and removed the previous note requiring the sign.

### WZ(BRK) – 13

- Added note to make the 96" x 48" GIVE US A BRAKE (G20-7T) sign to be subsidiary to Item 502 when mounted on two 4" x 6" drilled wood posts directly embedded as per BC-5. The larger 192" x 96" must still be paid for under the pay items listed.
- Removed work zone speed limit signs from this sheet since they are not a requirement for the application of GIVE US A BRAKE signing.
- Added the 96" x 48" G20-7T sign for use on the "Divided Highway" detail since there was no previous guidance for the use of this size sign.
- Added note requiring the size of the G20-7T sign to be installed to be shown elsewhere in the plans.

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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