



# MEMO

July 20, 2020

**To:** District Engineers

**From:** Michael A. Chacon, P.E.  
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**Subject:** Revisions to Delineator & Object Marker (D&OM) Standard Sheets

Attached are the revised Delineator & Object Marker (D&OM) Standard Sheets. Descriptions of the revisions to each standard sheet are as follows:

## D&OM(1)-20

- Note #2 for the Chevrons and One-Direction Large Arrow Detail was updated. The W1-9T sign may be used instead of the W1-6 sign “when there is a need to increase conspicuity.”
- Reflective Sheeting Note #1 for Barrier Reflectors was updated to reflect “a minimum dimension of 3 inches” for compliance with the TMUTCD.
- Yellow flexible posts for yellow delineators were added to the D&OM standard sheets to enhance yellow delineator visibility and for compliance with TMUTCD Section 3F.03.01. **Guidance to implement yellow flexible posts for yellow delineators is provided below:**
  - **New Construction Projects**
    - Yellow flexible posts will be required for yellow delineators when used on new construction projects.
  - **Individual Damaged Delineator**
    - Individual existing white delineator posts with yellow reflectors that are hit or damaged should be replaced in-kind to avoid inconsistency between post colors.
  - **Continuous Section of Delineators**
    - Existing white delineator posts with yellow reflectors do not need to be replaced immediately District wide but rather through attrition. If replaced, the entire continuous section of existing white delineator posts with yellow reflectors should be replaced with yellow flexible posts.

## D&OM(2)-20

- General Note #6 was added, which details the stripe direction on Type 3 Object Markers.
- Concrete Traffic Barrier (CTB) detail includes updated barrier reflector mounting locations.
- Yellow flexible posts for delineators were added to the standard sheets as indicated in the proposed changes to D&OM (1). The following note was added to the flexible post detail: *“When using yellow delineators with flexible posts to separate opposing direction of travel, such as centerline or median use, the flexible posts shall be yellow.”*

**D&OM(3)-20**

- Minimum Warning Devices at Curves with Advisory Speeds Table was updated to provide additional clarification on required warning devices in curves. Guidance is provided for Turns (30 mph and less) and Curves (35 mph and more) based upon TTI Research and input from Districts.
- Minimum curve degree notes removed from Chevron and Delineator Spacing Details.
- The following changes were made to the Delineator and Object Marker Application and Spacing Table:
  - Added required treatments and spacing for Concrete Traffic Barriers, Steel Traffic Barriers and Cable Barriers.
  - Updated object marker requirements for terminal ends. Terminal ends require reflective sheeting provided by the manufacturer per D&OM(VIA) or a Type 3 Object Marker in front of the terminal end.
- The following note was removed: *“Delineators/Barrier Reflectors not required in urban areas with continuous illumination.”*

**D&OM(4)-20**

- “Two-Way, Two Lane Roadway with Reduced Width Approach” and “Two-Way, Two Lane Roadway Bridge with No Approach Rail” details were duplicate details also found on the D&OM(5) standard sheet. As such, these two details were removed from D&OM(4).
- “Crossovers” detail was updated by making both double yellow delineators and RPMs required. The previous standard detail included an “and/or” statement for the double yellow delineators and RPMs. Double yellow delineators at crossovers are required to be consistent with the TMUTCD.

**D&OM(5)-20**

- The object marker requirements for terminal ends was updated. Terminal ends require reflective sheeting provided by the manufacturer per D&OM(VIA) or a Type 3 Object Marker in front of the terminal end. The previous standard requirement was a Type 2 Object Marker in front of the terminal end if no reflective sheeting was provided on the terminal end. For new projects or replacing damaged Type 2 Object Markers, utilize terminal ends with reflective sheeting provided by the manufacturer per D&OM(VIA) or replace damaged Type 2 Object Marker with new Type 3 Object Marker.

**D&OM(6)-20**

- Concrete and Steel Traffic Barrier Detail was updated requiring Barrier Reflectors to have equal spacing with maximum spacing values of 100'. Type C reflector requirement was removed and the updated reflector mounting options were added.
- An Emergency Crossover Detail was added. This detail includes the reflector and delineator standards for cable barrier emergency crossovers.

**D&OM(VIA)-20**

- Title blocks were revised to reflect the year 2020. Minor sheet formatting was performed.

The standard sheets may be used immediately and shall be used for all applicable PS&E sets beginning with the January 2021 letting. The new sheets are available in Microstation and PDF formats at the following address:

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

If you have any questions, please contact me at (512) 416-3200 or Doug Skowronek at (512) 925-2753.

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