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December 6, 2022

To: District Engineers

From: Michael A. Chacon, P.E.
Director, Traffic Safety Division

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Subject: Revisions to Pavement Marking Standard Sheets, PM-22

The Traffic Safety Division has updated the above referenced standard sheets. PM-22 standards (sheets 1, 2, 3, and 5) were sent out for review and comment in August 2022, which included 6" pavement markings for all edge, center, and lane lines. TRF reviewed comments received and made additional revisions as appropriate. The updated standard sheets reflect these changes in addition to other items as described below:

PM(1-5)-22

- Minor grammatical and semantics changes.
- Names of signs, roadways, highways, and pavement markings updated to incorporate correct TMUTCD terminology where appropriate.

PM(1)-22

- 4-inch pavement markings changed to 6-inch.
- Note 1 modified to include stop bars as an optional item.
- "Yield Triangles" callout changed to "Yield Lines" where applicable.
- Intersection details modified to show the breaking of pavement markings at major driveways.
- Centerline markings modified so that dimensions are shown from center to center of each line.
- Four-lane roadway detail modified to:
 - Permit spacing of 9" minimum to 10" typical (depicted as center-to-center) (18" maximum for traveled way greater than 48' only) between the solid yellow centerline markings. Note added: 8" minimum for restripe projects when approved by the Engineer.
 - Detail A added to depict 3"-4" centerline gap (edge-to-edge). Note added: 2" minimum for restripe projects when approved by the Engineer.
- Two-lane roadway detail modified to:
 - Permit 18" minimum to 20" maximum (depicted as center-to-center) between the solid yellow centerline markings. Note added: 16" minimum for restripe projects when approved by the Engineer.
 - Detail B added to depict 3"-4" gaps (edge-to-edge) between three yellow marking lines. Note added: 2" minimum for restripe projects when approved by the Engineer.
- "Four-lane Divided Roadway Crossovers" detail updated to:
 - Specify 16" minimum to 20" maximum (center-to-center) for the double yellow centerline markings.
 - Show that the dotted white line extension is no longer optional for the left turn lane.
- Explanatory note added for "Guide for Placement of Stop Lines, Edge Line & Centerline" section.

- General Note 2 modified to describe that the traveled way is measured from center-to-center of each edge line.

PM(2)-22

- 4-inch pavement markings changed to 6-inch.
- Updated “Reflectorized Profile Pattern” detail to make 6” edge line the standard.
- General Note 3 added to clarify when to use Type I-C or Type II-C-R Raised Pavement Markings (RPMs).
- Details A, B, and C elements related to pavement markings moved to PM(1). Modified the dimensions for Details A, B, and C to reflect placement of raised pavement markers.
- Dimensions added to RPM drawings for clarity.
- Notes section expanded for “Reflectorized Profile Pattern Detail.”

PM(3)-22

- 4-inch pavement markings changed to 6-inch.
- Left-turn lane details modified to remove typical entrance lengths. Dotted white line extension is no longer optional.
- Modified Detail A to depict 3”*-4” centerline gap (edge-to-edge). Note added: * 2” minimum for restripe projects when approved by the Engineer.
- Table within the “Lane Reduction” section entitled as “Advance Warning Sign Distance”.
- General note 4 expanded to include “See Chapter 3 of the Roadway Design Manual for additional information on turning lanes or storage lengths.”

PM(4)-22

- Name clarification of signage.

PM(5)-22

- Pavement Markings for Roadways with Reduced Shoulder Widths Across Bridge or Culvert detail restored and updated from version previously included in PM(1)-12.

The standard sheets may be used immediately and shall be used for all applicable PS&E sets beginning with the June 2023 letting. The new sheets are available in MicroStation® “dgn” and Adobe® “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 Rafael Riojas at (512) 416-3120.

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