

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION SOLUTIONS

Statutory Authority: 17 Delaware Code, Sections 134 and 141; 21 Delaware Code, Chapter 41
 (17 Del.C. §134, 141 and 21 Del.C. Ch. 41)
 2 DE Admin. Code 2402

PROPOSED

PUBLIC NOTICE

2402 Delaware Manual on Uniform Traffic Control Devices

Under Title 17 of the Delaware Code, Sections 134 and 141, as well as 21 Delaware Code Chapter 41, the Delaware Department of Transportation (DelDOT), adopted a Delaware version of the Federal Manual on Uniform Traffic Control Devices (MUTCD). The Department has now drafted revisions to the Delaware MUTCD. A description of the proposed changes accompanies this notice.

The Department will take written comments on the draft changes to the Delaware MUTCD from November 1, 2017 through December 1, 2017. Copies of the Draft Delaware MUTCD Revisions can be obtained by reviewing or downloading a PDF copy at the following web address: <http://regulations.delaware.gov/>

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The following is a summary of proposed changes to be incorporated into Revision 3 of the Delaware MUTCD, dated October 2017.

Pages	Sec/Fig/Table	Para.	DelDOT Comment / Proposed Change	Modification
1A-3	Section 1A.07	01A	Add option for traffic control devices and applications based on engineering judgment and approval of DelDOT Chief Engineer.	<i>Text added.</i> Justification: Clarified approval process for traffic control devices that do not comply with standard statements.
1A-14	Section 1A.13	03	Add definition of bicycle box.	<i>Text added.</i> Justification: Concept of bicycle box is being introduced into the DE MUTCD.
2B-3	Table 2B-1	-	Add a footnote for ONE WAY (R6-1) signs to allow smaller signs on multi-lane conventional roads and expressways based on engineering judgment.	<i>Table modified.</i> Justification: Excessively large ONE WAY signs takes away from the visibility and message of the STOP sign on the minor street approach and other more important sign messages.
2B-14	Section 2B.11	01E	Incorporate FHWA Official Interpretation – R1-5 Sign text into manual.	<i>Text added.</i> Justification: Updated text to reflect the FHWA official interpretation of the R1-5 series.
2B-38	Section 2B.37	03C	Provide guidance regarding spacing between DO NOT ENTER and WRONG WAY signs.	<i>Text added.</i> Justification: Numerous instances across the state where DO NOT ENTER AND WRONG WAY signs are being installed too close together.
2B-78 2B-79	Figure 2B-33 Section 2B.72	08A	Added IT CAN WAIT! plaque as an option	<i>Text added and figure modified.</i> Justification: Revised to reflect use of educational plaque
2C-2 2C-5 2C-35 2C-36	Table 2C-1 Table 2C-2 Section 2C.50 Figure 2C-11	01	Change designation for the Duck Crossing sign from W11-11-DE to W11-3-DE.	<i>Table modified, text added, and figure modified.</i> Justification: Revised to reduce potential confusion regarding sign designations for the Duck Crossing (originally W11-11-DE) sign and the Golf Cart (W11-11) sign.

2C-17	Figure 2C-3	-	Remove signs W1-11R and W13-1P from figure; keep text referring to these signs as an option.	<i>Figure modified.</i> Justification: W11-1R and W13-1P signs are often misused based on their depiction in Figure 2C-3d
2C-2	Table 2C-1		Create new sign called W11-1-DE with text “IN LANE”. Provide guidance about preferred width of shoulder. Add new sign to list of vehicular traffic warning signs on Page 2C-33.	<i>Text added and figure modified.</i> Justification: Updated to reflect DelDOT’s desire to discontinue the use of the Share the Road plaque.
2C-5	Table 2C-2			
2C-33	Section 2C.49	06A		
2C-34	Figure 2C-10			
2C-39	Section 2C.60	01A		
2D-3	Section 2D.05	01	Revise text regarding lettering style to match original federal text.	<i>Text modified.</i> Justification: FHWA rescinded use of Clearview font.
2D-4	Section 2E.14	04		
2E-6		07A		
2D-21	Figure 2D-7		Add DART Beach Bus Park & Ride (D2-2-DE) sign to Figure 2D-7 and as an option in Section 2D.41, paragraph 08A.	<i>Text and figure modified.</i> Justification: Sign provides guidance regarding the distance to Park & Rides serving the DART Beach Bus
2D-28	Section 2D.41 Table 2D-1	08A		<i>Text modified.</i>
2D-29	Section 2D.43	07A 08A	Incorporate Interim Guidance – Overhead Street Signs Mounted on Traffic Signals memo	Justification: Smaller letter heights are sufficient to convey information to motorists and problems with mounting large signs on signal mast arms and span wires.
2I-2	Table 2I-1		Change “DISABLED VEHICLES” in sign D12-4-DE to “TRAFFIC PROBLEMS” and update text accordingly in Section 2I.09. Create new plaque “TRAFFIC ALERT WHEN FLASHING” as an optional supplement to the D12-1-DE sign, and update text accordingly in Section 2I.09	<i>Text and figure modified.</i> Justification: Revised to reflect current practices; TRAFFIC PROBLEMS conveys are more comprehensive message compared to DISABLED VEHICLES.
2I-13	Figure 2I-8			
2I-14	Section 2I.09	01A 09A		
2K-3	Figure 2K-1		Add reference to Standards for Agricultural Tourism Attraction Guide Signs memo; delete existing guidance	<i>Text and figure modified.</i> Justification: Standards for Agricultural Tourism signs have been modified.
2K-6	Section 2K.07	02		
3B-58	Section 3B-13 Figure 3B-15F Figure 3B-15G Figure 3B-15H	01.B.6	Remove RPMs from turn lanes on Figure 3B-15F and 3B-15H. Remove Figure 3B-15G. Create new Figure 3B-15G for RPM application for two-way left-turn lanes with 80’ spacing through the two-way left-turn lane and 40’ spacing approaching the intersection. Remove 48’ RPM spacing from Figure 3B-15F. Remove any text regarding 20’ RPM spacing (note 2 in multiple figures) along conventional roadways. Revise spacing for all RPMs to 40’ or 80’ for conventional roadways.	<i>Text and figures modified.</i> Justification: Excessive use of RPMs along conventional roadways; clarification needed for usage of RPMs along two-way left-turn lanes.
3B-60	3B.16	10	Add text to reference bicycle boxes in Part 9.	<i>Text modified.</i> Justification: Added Bicycle Boxes based on recommendations from the NCUTCD.
4D-14	Section 4D.11	07C	Add Standard for two-inch wide yellow retroreflective border on signal backplates	<i>Text modified.</i> Justification: Experience with use of two-inch retroreflective borders on backplates have shown superior improvements in conspicuity compared to thinner borders.

4E-7 to 4E-10	Section 4E.08 Figure 4E-3 Figure 4E-4	04 06A	Add text to Section 4E.08 paragraph 04 with additional criteria regarding 10" guidance at landing area and extension. Revise wording in Section 4E.08 paragraph 06A. Update depictions of landing areas and pedestrian pushbuttons in Figure 4E-3 and Figure 4E-4.	<i>Text and figures modified.</i> Justification: Corrected issues with landing areas in Figure 4E-4. Updated for current practice in Delaware for Figure 4E-3.
6E-11	Section 6E.08	01A 01B 04A	Add Standard to prohibit flagger stations on Interstates, Freeways, and Expressways. Add Option for use of flaggers to support emergencies and incidents. Add Guidance for location of flagger stations for moving operations on two-lane, two-way roadways.	<i>Text added.</i> Justification: Reflects DelDOT's current standard practice.
6F-1 6F-11	Section 6F.01 Section 6F.03	02 03 05 18	Add reference to AASHTO's <i>Manual for Assessing Safety Hardware</i> (MASH) when referring to NCHRP Report 350	<i>Text modified.</i> Justification: AASHTO's MASH is an update to NCHRP Report 350
6F-11	Section 6F.04	04 – 06	Add Guidance, Option, and Standard for use of ballasts and sandbags with temporary sign stands.	<i>Text added.</i> Justification: Reflects DelDOT's current standard practice.
6F-3 6F-20 6F-26 6H-79 6H-81	Table 6F-1 Figure 6F-5 Section 6F.59 Figure 6H-28 Figure 6H-29	03, 13 & 13A	Add the following signs to Table 6F-1 and Figure 6F-5: M4-9-DE1 (48"x36" I/F/E, 30"x24" Other), M4-9b-DE (9"x12"), and M4-9b-DE1 (9"x12"). Update text in Section 6F.59 to include new signs. Update the TA-28 and TA-29 to show new smaller signs.	<i>Text, table and figures modified.</i> Justification: There have been reports that motorists have confused pedestrian / bicycle detour signs for vehicular detour signs. The smaller version of these signs for pedestrians / bicyclists are intended to reduce driver confusion
6F-24	Section 6F.50	02A	Replace Share the Road plaque with W11-1-DE.	<i>Text modified.</i> Justification: Text updated to reflect DelDOT's current standard practice to discontinue the use of the Share the Road plaque, as discussed in the <i>Bicycle Warning Sign and Share the Road Plaque</i> memorandum.
6F-29	Section 6F.60	30D	Add Guidance for placement of portable changeable message sign and drums to accommodate bicycles to the extent possible on conventional roads.	<i>Text added.</i> Justification: Reflects DelDOT's current standard practice.
6F-37	Section 6F.67	01	Add Standard for base color of drums (orange).	<i>Text added.</i> Justification: Reflects DelDOT's current standard practice.
6G-10	Section 6G.13	04A	Update text to include reference to <i>Traffic Control Within Intersections</i> memorandum.	<i>Text modified.</i> Justification: The memorandum describes DelDOT's current standard practice.
6G-12	Section 6G.14	05 06	Add Standard to prohibit use of flaggers on Interstates, Freeways, and Expressways. Add Option for use of flaggers to support emergencies or incidents	<i>Text added.</i> Justification: Reflects DelDOT's current standard practice.
6G-16	Section 6G.22	All	Create new section based on <i>Interim Guidance – Rolling Road Blocks</i> memorandum.	<i>Section added.</i> Justification: The memorandum describes DelDOT's current standard practice.
6G-17	Section 6G.23	All	Create new section based on <i>Interim Guidance – Installing and Removing TTC Devices</i> memorandum.	<i>Section added.</i> Justification: The memorandum describes DelDOT's current standard practice.

6G-19	Section 6G.24	All	Create new section based on <i>Interim Guidance – Aerial Work</i> memorandum.	<i>Section added.</i> Justification: The memorandum describes DelDOT's current standard practice.
6H-38	Figure 6H-11A	01	Include Note 2 (Standard) from Figure 6H-11 in Figure 6H-11A	<i>Figure modified.</i> Justification: Modifications to regulatory signs (e.g., new STOP signs and new intersection traffic control types/operations), albeit temporary, require DelDOT Traffic's formal approval and Traffic Control Device Authorization.
6H-66 & 6H-67	Figure 6H-21A	-	Create new typical application (TA-21A) for turn lane closure (left-turn or right-turn lane). Include shoulder closure taper transitioning into in-place left or right turn lane closure.	<i>Figure added.</i> Justification: A right-turn lane closure is a very common MOT application; yet, TA-21 is primarily intended for thru lane applications and TA-23 is a relatively uncommon double left-turn lane closure.
6H-71	Figure 6H-23	-	Shift signs and sign dimensions A and B on the eastbound approach back.	<i>Figure modified.</i> Justification: The former sign dimensions erroneously depicted the stop line as the primary point of measure; however, the beginning of the turn lane closure taper is the appropriate reference point.
7B-1 7B-4 7B-7 7B-9	Table 7B-1 Figure 7B-1 Figure 7B-3 Figure 7B-5	-	Update name and size of overhead school speed limit sign in Table 7B-1. Update overhead school speed limit sign in Figures 7B-1, 3, and 5.	<i>Table and figures modified.</i> Justification: Previously, sign read "School Speed XX Limit When Flashing". Sign has been updated to read "School Speed Limit XX When Flashing" as described in <i>Interim Guidance – Overhead School Speed Limit XX When Flashing Sign</i> memorandum.
7B-7 7B-9 7B-13	Figure 7B-3 Figure 7B-5 Section 7B.15	17 & 18	Update school speed limit assembly signs with flashing beacons in Figures 7B-3 and 7B-5. Remove paragraph 18 in Section 7B.15, as paragraph 16 is sufficient for the description and location of the beacons, and paragraph 18 is incorrect.	<i>Text and figures modified.</i> Justification: Flashing beacons on school speed limit sign assembly has been updated to comply with MUTCD standards. Previously, both flashing beacons were located on top of the assembly, an arrangement which should only be used at railroad crossings.
7B-10	Section 7B.12	04A	Add paragraph 04A to Section 7B.12 to include R1-5 series signs.	<i>Text modified.</i> Justification: Updated text to reflect the FHWA official interpretation of the R1-5 series described in <i>FHWA Official Interpretation – R1-5 Sign</i> memorandum.
9B-2 9B-5 9B-8	Table 9B-1 Figure 9B-2(1) Section 9B.11	06 - 09	Add text and update table and figure for new EXCEPT BICYCLES R3-7bP plaque.	<i>Text, table, and figure modified.</i> Justification: Added plaque based on recommendations from the <i>NCUTCD Except Bicycles Plaque</i> and <i>FHWA Interim Approval #18</i> memorandums.
9B-3 9B-11 9B-15	Table 9B-1 Section 9B.19 Figure 9B-3 Figure 9B-5	02	Remove W16-1P sign from Table 9B-1 and Figure 9B-3 (no longer related to bicycles). Add W11-1-DE sign to Figure 9B-3. Replace paragraph 02 with Option for W11-1-DE instead of SHARE THE ROAD plaque.	<i>Text, table, and figures modified.</i> Justification: New Bicycle IN LANE warning sign added based on DelDOT's current practice. Text updated to reflect DelDOT's current standard practice to discontinue the use of the Share the Road plaque, as discussed in the <i>Bicycle Warning Sign and Share the Road Plaque</i> memorandum.
9B-4	Section 9B.04	01A	Add Guidance for use of Bike Lane (R3-17) sign.	<i>Text added.</i> Justification: Reduce overuse of signs.

9B-5 9B-6 9B-7 9C-2	Figure 9B-2(1) Section 9B.05 Figure 9C-1	01 - 04	Eliminate use of the R4-4. Replace all references to R4-4 with R4-4-DE. Modify text to allow optional use of R4-4-DE for all weaving movements between bicycles and right-turning vehicles.	<i>Table and figures modified.</i> Justification: Application of both sign messages was confusing.
9B-20	Section 9B.27 Figure 9B-9	01 - 05	Add new section for Low Stress Bicycle Network Signs.	<i>Section and figure added.</i> Justification: Signs allow a new classification of bicycle facilities.
9B-15 9C-2 9C-3 9C-4 9C-6 9C-7 9C-8 9C-13 9C-14 9C-15 9C-16 9C-17	Figure 9B-5 Figure 9C-1 Figure 9C-1A Figure 9C-1B Figure 9C-1D Figure 9C-1E Figure 9C-1F Figure 9C-4 Figure 9C-4A Figure 9C-5 Figure 9C-6 Figure 9C-6A	-	Remove optional signs from figures.	<i>Figures modified.</i> Justification: Optional signs shown on figures have led to the overuse of optional signs.
9C-9	Figure 9C-1G	-	Remove Figure 9C-1G	<i>Figure removed.</i> Justification: Figure is no longer needed since the use of raised pavement markers is changing in Part 3 and will no longer be used along dotted lines.
9C-10	Section 9C.04	03A	Modify the Guidance text to include "should" condition.	<i>Text modified.</i> Justification: Clarified Guidance statement.
9C-12 9C-15 9C-16	Section 9C.04 Figure 9C-4B Figure 9C-4C	15 – 21	Add paragraphs 15 – 21 in Section 9C.04. Add Figures 9C-4B and 9C-4C.	<i>Text and figures added.</i> Justification: Text and figures added to depict common practice in Delaware for right-turn lane treatments where space does not exist to provide a dedicated bicycle lane to the left of a right-turn only lane, as described in the <i>Interim Guidance; Part 9, Right-Turn Lane Markings for Bicycles</i> memorandum.
9C-23 9C-25 9C-26	Section 9C.08 Figure 9C-10 Figure 9C-11	01 – 07	Add new section and figures.	<i>Text and figures added.</i> Justification: Added Bicycle Boxes based on recommendations from the <i>NCUTCD Bicycle Box</i> and <i>FHWA Interim Approval #18</i> memorandums.

***Please Note: Due to the size of the proposed regulation, the Delaware Manual on Uniform Traffic Control Devices is not being published here. A PDF version is available at the following location:**

- [DE MUTCD Revision 3 - Part 1 - General](#)
- [DE MUTCD Revision 3 - Part 2 - Signs](#)
- [DE MUTCD Revision 3 - Part 3 - Markings](#)
- [DE MUTCD Revision 3 - Part 4 - Highway Traffic Signals](#)
- [DE MUTCD Revision 3 - Part 6 - Temporary Traffic Control](#)
- [DE MUTCD Revision 3 - Part 7 - School Areas](#)
- [DE MUTCD Revision 3 - Part 9 - Bicycle Facilities](#)