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STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
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SECRETARY

TO: All Users of the Delaware Manual on Uniform Traffic Control Devices

FROM: Mark Luszcz, P.E., P.T.O.E.
Chief Traffic Engineer

DATE: January 31, 2019

SUBJECT: Sizing and Layout of Advance Street Name Plaques (W16-8P and W16-8aP)

Section 1A.07 of the Delaware Manual on Uniform Traffic Control Devices (DE MUTCD Revision 3) states:

Option:

01A (DE Revision) With approval of the Delaware Department of Transportation Chief Engineer, traffic control devices and applications that do not comply with one or more standard statements in this manual may be used, if it has been determined based on engineering judgment that such devices/applications follow the basic precepts of traffic control devices (incorporating design elements that promote the ability of the road user to perceive, comprehend, and react as intended) and are determined to be in the best interests of Delaware's road users.

Accordingly, DelDOT is providing the following Option, Guidance, and Standard statements regarding the design and sizing of Advance Street Name Plaques (W16-8P and W16-8aP):

Standard:

01 Advance Street Name Plaques (W16-8P and W16-8aP) are supplemental warning signs that shall not be mounted or displayed alone.

Option:

02 Advance Street Name Plaques (W16-8P and W16-8aP) may be installed below Advance Traffic Control and Intersection Warning signs and, depending on the size of the corresponding Advance Traffic Control and Intersection Warning signs, Advance Street Name Plaques may be installed on one or two posts.

January 31, 2019

Support:

03 While current DelDOT Standard Specifications allow signs with dimensions up to 48 inches to be installed on a single post, current maintenance and replacement practices have shown that Advance Street Name Plaques with longitudinal lengths of 48 inches are prone to excessive bending under wind loads. As such, DelDOT establishes the following Guidance regarding the design layout and sizing of Advance Street Name Plaques (W16-8P and W16-8aP) that are designated to be installed on one post.

Guidance:

04 *Design and fabrication of Advance Street Name Plaques (W16-8P and W16-8aP) installed on one post (Figure 1) should be based on following sizing and layout criteria:*

Sizing / Layout-

- a) Dimensions: *One Line (W16-8P) 18" x 9", 24" x 9", 30" x 9", 36" x 9" and 42" x 9"*
Two Lines (W16-8aP) 24" x 18", 30" x 18", 36" x 18" and 42" x 18"
Three Lines (W16-8aP) 42" x 18"
Four Lines (W16-8aP) 30" x 24"
- b) Letters: *Use 4" Highway C for the street name and for the type of street (Rd/St/Dr/Ave/Blvd) with the initial letter being upper-case and the rest of the legend being lower-case letters.*
- c) Legend: *If the legend does not fit within a 42" x 9" panel, use narrow letter kerning. If legend does not fit a 42" x 9" panel with narrow letter kerning, use the panel sizing for two lines with normal kerning. If the legend does not fit within a 42" x 18" panel, use narrow letter kerning. If the legend does not fit within a 42" x 18" panel with narrow letter kerning, use a 30" x 24" panel with normal letter kerning. If legend does not fit within 30" x 24" panel, use narrow letter kerning. If the legend does not fit within a 30" x 24" panel with narrow letter kerning, use special-case W16-8P layout templates provided in addendum of Delaware Standard Sign Book (2018). Do not use partition line to separate rows.*
- d) Punctuation: *Do not use punctuation.*
- e) Arrows: *Use 6" (length) x 4" (height) directional arrows or 6.25" x 5" advance turn arrows.*
- f) Alignment: *If no arrows are used, use center justify. If arrows are used, use left/right justify. For a two-line legend use center justify regardless of the arrows. List legend of the left-side street, on the top.*
- g) Margins: *Use a minimum of 2" left and right edge margins and 2.5" for top and bottom edge margins. If the legend does not fit inside panel's maximum length limit, use a minimum of 1.5" left and right edge margins.*

The specifications listed in DE MUTCD (2018) and/or in the Delaware Standard Signs Book (2018) should be used for the design and layout of upper-case letters, lower-case letters, numerals, route shields, letter spacing, margins and/or anything else not explicitly listed in this memo.



42" x 9" - Highway C (4") with normal letter kerning.



42" x 9" - Highway C (4") with narrow letter kerning. Legend is center justified. Left and right margin are minimum 1.5".



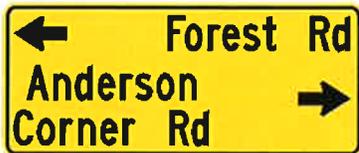
30" x 18" - Highway C (4") with normal letter kerning. Legend is center justified. Do not lay out the type of street on a single row.



30" x 18" - Highway C (4") with normal letter kerning. Legend is center justified.



42" x 18" - Highway C (4") with normal letter kerning and directional arrows (6" x 4"). Legends are left/right justified.



42" x 18" - Highway C (4") with narrow letter kerning. One-line legend is right justified. Two-line legend is center justified. Left-side street legend is listed on the top.



30" x 24" - Highway C (4") with narrow letter kerning. Two-line legend is shown with advanced turn arrow (6.25" x 5"), one-line legends are shown with directional arrows (6" x 4"). Two-line legend is center justified. One-line legends are left justified. Left-side street legend is listed on the top.

Figure 1. Sizing and layout of Advance Street Name Plaques (W16-8P and W16-8aP) installed on one post.

Support:

05 DelDOT establishes the following Guidance regarding the design layout and sizing of Advance Street Name Plaques (W16-8P and W16-8aP) that are supplementing oversized Advance Traffic Control and Intersection Warning signs (48" x 48").

Guidance:

06 In instances where Advance Street Name Plaques (W16-8P and W16-8aP) are supplementing oversized Advance Traffic Control and Intersection Warning signs (48" x 48"), Advance Street Name Plaques (W16-8P and W16-8aP) should be designed to accommodate installation on two posts. Design and fabrication of Advance Street Name Plaques (W16-8P and W16-8aP) installed on two posts (Figure 2), should be based on following sizing and layout criteria:

Sizing / Layout-

- a) Dimensions: One Line (W16-8P) 48" x 9"
Two Lines (W16-8aP) 48" x 18"
Three Lines (W16-8aP) 48" x 18"
Four Lines (W16-8aP) 48" x 24"
- b) Letters: Use 4" Highway C for the street name and for the type of street (Rd/St/Dr/Ave/Blvd) with initial letter being upper-case and the rest of the legend being lower-case letters.
- c) Legend: If the legend does not fit within 48" x 9" panel, use a 48" x 18" panel. If the legend does not fit within a 48" x 18" panel, use narrow letter kerning. If the legend does not fit within a 48" x 18" panel with narrow letter kerning, use 48" x 24" panel with normal letter kerning. If the legend does not fit within a 48" x 24" panel, use narrow letter kerning. If the legend does not fit within a 48" x 24" panel with narrow letter kerning, use the special case W16-8P layout templates provided in addendum of Delaware Standard Sign Book (2018). Do not use a partition line to separate rows.
- d) Punctuation: Do not use punctuation.
- e) Arrows: Use 6" (length) x 4" (height) direction arrows or 6.25" x 5" advance turn arrows.
- f) Alignment: If no arrows are used, use center justify. If arrows are used, use left/right justify. For a two-line legend use center justify, regardless of the arrows. List legend of the left-side street, on the top.
- g) Margins: Use minimum 2" left and right edge margins and minimum 2.5" for top and bottom edge margins. If legend does not fit to inside maximum length limit, use minimum of 1.5" left and right edge margins.

The specifications listed in DE MUTCD (2018) and/or in the Delaware Standard Signs Book (2018) should be used for the design and layout of upper-case, lower-case letters, numerals, route shields, letter spacing, margins and/or anything else not explicitly listed in this memo.



48" x 9" - Highway C (4") with normal letter kerning. Legend is center justified.



48" x 18" - Highway C (4") with narrow letter kerning. One-line legend (on the top) is not right justified. Left-side street legend is listed on the top.



48" x 18" - Highway C (4") with narrow letter kerning. One-line legends are right/left justified with directional arrows (6" x 4"). Left-side street legend is listed on the top.

Figure 2. Sizing and layout of Advance Street Name Plaques (W16-8P and W16-8aP) installed on two posts.


Concurred By: Robert McCleary
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