



National Committee on Uniform Traffic Control Devices

13236 North 7th Street, Suite 4-259, Phoenix, Arizona 85022
Phone/Text: 231-4-NCUTCD (231-462-8823)
E-mail: secretary@ncutcd.org

Attachment No. 6
Item No.: 19B-RW-01

NCUTCD Approved Changes to the Manual on Uniform Traffic Control Devices

1
2
3
4
5
6

TECHNICAL COMMITTEE:	Regulatory and Warning Signs Committee
ITEM NUMBER:	19B-RW-01
TOPIC:	Street Name Plaque with W1-10 Series Signs and W10-2, 3, and 4 signs
ORIGIN OF REQUEST:	Jerome Blannard, GPI Inc., Warren County, NJ, Task Force: Doug Bartlett (chair), Jim Pline
AFFECTED SECTIONS OF MUTCD:	Sections 2C.11, 2C.46, 2C.58 and Section 8B.06

7
8 **DEVELOPMENT HISTORY** Task Force 6-3-19, Revised 6-19-19, 6-20-19, 12-13-19

- 9
10
11
12
13
14
- Approved by RW Technical Committee: 6/19/2019
 - Approved by RRLRT Technical Committee: 6/20/2019
 - Approved by RW Technical Committee following Sponsor Comments: 01/08/2020
 - Approved by RRLRT Technical Committee: 01/08/2020
 - Approved by NCUTCD Council: 01/10/2020

15 *This is a proposal for recommended changes to the MUTCD that has been approved by the*
16 *NCUTCD Council. This proposal does not represent a revision of the MUTCD and does not*
17 *constitute official MUTCD standards, guidance, or options. It will be submitted to FHWA for*
18 *consideration for inclusion in a future MUTCD revision. The MUTCD can be revised only by the*
19 *FHWA through the federal rulemaking process.*

SUMMARY

20
21
22 This request originated as question from Jerome Blannard of GPI Inc. regarding Warren
23 County's practice of using Street Name Plaques on W1-10 Series signs. The MUTCD does
24 explicitly permit this use.

DISCUSSION

25
26
27 Section 2C.58 Advance Street Name Plaque (W16-8P, W16-8aP) allows for the installation on
28 any Intersection sign (W2 series W10-2, W10-3 or W10-4) or any Advance Traffic Control Sign
29 (W3 series) to identify the name of the intersecting street. Section 2C.58 does not mention using
30 the Advance Street Name Plaque with Combination Horizontal Alignment/Intersection Signs
31 (W1-10 Series) which also depict an intersecting street on the sign.

32 During the process of evaluating the Horizontal Alignment Warning Signs and associated
 33 Advisory Speed Plaques (W13-1P) GPI discovered that Warren County, New Jersey had
 34 routinely used the Advance Street Name Plaque on the W1-10 series signs (Section 2C.11 and
 35 Figure 2C-1) despite the fact that Section 2C.58 does not include these signs as ones that the
 36 Advance Street Name Plaque can be used in conjunction with. Examples of these types of
 37 installations are shown below.



38 The second sign does not indicate an intersecting street, so it would not be appropriate to install
 39 an Advance Street Name Plaque with this sign. Each of the other sign assemblies has an
 40 intersecting street so use of the Advance Street Name Plaque is appropriate.
 41
 42

43 **RECOMMENDED MUTCD CHANGES**

44
 45 The following present the proposed changes to the current MUTCD within the context of the
 46 current MUTCD language. Proposed additions to the MUTCD are shown in blue underline and
 47 proposed deletions from the MUTCD are shown in ~~red strikethrough~~. Changes previously
 48 approved by NCUTCD Council (but not yet adopted by FHWA) are shown in green double
 49 underline for additions and ~~green double strikethrough~~ for deletions. In some cases, background
 50 comments may be provided with the MUTCD text. These comments are indicated by [black font
 51 in brackets highlighted light blue].

52
 53 **Section 2C.11 Combination Horizontal Alignment/Intersection Signs (W1-10 Series)**

54 Option:

55 01 The Turn (W1-1) sign or the Curve (W1-2) sign may be combined with the Cross Road
 56 (W2-1) sign or the Side Road (W2-2 or W2-3) sign to create a combination Horizontal
 57 Alignment/Intersection (W1-10 series) sign (see Figure 2C-1) that depicts the condition where an
 58 intersection occurs within or immediately adjacent to a turn or curve. An Advance Street Name
 59 Plaque (see Section 2C.58) may be used to identify the intersecting road.

60 *Guidance:*

61 02 *Elements of the combination Horizontal Alignment/Intersection sign related to horizontal*
 62 *alignment should comply with the provisions of Section 2C.07, and elements related to*

63 intersection configuration should comply with the provisions of Section 2C.46. The symbol
64 design should approximate the configuration of the intersecting roadway(s). No more than one
65 Cross Road or two Side Road symbols should be displayed on any one combination Horizontal
66 Alignment/Intersection sign.

67 **Standard:**

68 03 **The use of the combination Horizontal Alignment/Intersection sign shall be in**
69 **accordance with the appropriate Turn or Curve sign information shown in ~~Table 2C-5~~**

70 **Section 2C.07**

71 **(Approved by Council June 22, 2018, Attachment # 1, 17B-RW-01)**

72

73 **Section 2C.46 Intersection Warning Signs (W2-1 through W2-8)**

74 **Option:**

75 01 A Cross Road (W2-1) ~~symbol~~, Side Road (W2-2 or W2-3) ~~symbol~~, T-~~Intersection-Symbol~~
76 (W2-4), or Y-~~Intersection-Symbol~~ (W2-5) sign (see Figure 2C-9) may be used in advance of an
77 intersection to indicate the presence of an intersection and the possibility of turning or entering
78 traffic.

79

80 02 The Circular Intersection (W2-6) ~~symbol~~ sign (see Figure 2C-9) may be installed in advance
81 of a circular intersection (see Figures 2B-21 through 2B-23).

82 **Guidance:**

83 03 *If an approach to a roundabout has a statutory or posted speed limit of 40 mph or higher,*
84 *the Circular Intersection (W2-6) ~~symbol~~ sign should be installed in advance of the circular*
85 *intersection.*

86 **Option:**

87 04 An educational plaque (see Figure 2C-9) with a legend such as ROUNDABOUT (W16-17P)
88 or TRAFFIC CIRCLE (W16-12P) may be mounted below a Circular Intersection ~~symbol~~ sign.

89 05 The relative importance of the intersecting roadways may be shown by different widths of
90 lines in the symbol.

91 06 An Advance Street Name Plaque (see Section 2C.58) may be used to identify the
92 intersecting road. ~~An advance street name plaque (see Section 2C.58) may be installed above or~~
93 ~~below an Intersection Warning sign.~~

94 **Guidance:**

95 07 *The Intersection Warning sign should illustrate and depict the general configuration of the*
96 *intersecting roadway, such as cross road, side road, T-intersection, or Y-intersection.*

97 08 *Intersection Warning signs, other than the Circular Intersection (W2-6) ~~symbol~~ sign and the*
98 *T-intersection (W2-4) ~~symbol~~ sign should not be used on approaches controlled by STOP signs,*
99 *YIELD signs, or signals.*

100 09 *If an Intersection Warning sign is used where the side roads are not opposite of each other,*
101 *the Offset Side Roads (W2-7) ~~symbol~~ sign (see Figure 2C-9) should be used instead of the Cross*
102 *Road ~~symbol~~ sign.*

103 10 *If an Intersection Warning sign is used where two closely-spaced side roads are on the same*
104 *side of the highway, the Double Side Roads (W2-8) ~~symbol~~ sign (see Figure 2C-9) should be*
105 *used instead of the Side Road ~~symbol~~ sign.*

106 11 *No more than two side road symbols should be displayed on the same side of the highway on*
107 *a W2-7 or W2-8 ~~symbol~~ sign, and no more than three side road symbols should be displayed on*
108 *a W2-7 or W2-8 ~~symbol~~ sign. (approved by Council January 19, 2012, RW # 8, Attachment # 8)*

109 Support:
110 12 Figure 2A-4 shows the typical placement of an Intersection Warning sign.

111
112 **Section 2C.58 Advance Street Name Plaque (W16-8P, W16-8aP)**

113 Option:
114 01 An Advance Street Name (W16-8P or W16-8aP) plaque (see Figure 2C-12) may be used
115 with any Intersection sign (W2 series, W10-2, W10-3, or W10-4), [Combination Horizontal](#)
116 [Alignment/Intersection Sign \(W1-10, W1-10a-e\)](#), or Advance Traffic Control (W3 series) sign to
117 identify the name of the intersecting street

118 **Standard:**
119 01 **The lettering on Advance Street Name plaques shall be composed of a combination of**
120 **lower-case letters with initial upper-case letters.**

121 02 **If two street names are used on the Advance Street Name plaque, a directional arrow**
122 **pointing in the direction of the street shall be placed next to each street name. Arrows**
123 **pointing to the left shall be placed to the left of the street name, and arrows pointing to the**
124 **right shall be placed to the right of the street name.**

125 *Guidance:*
126 04 *If two street names are used on the Advance Street Name plaque, the street names and*
127 *associated arrows should be displayed in the following order:*
128 A. *For a single intersection, the name of the street to the left should be displayed above the*
129 *name of the street to the right; or*
130 B. *For two sequential intersections, such as where the plaque is used with an Offset Side*
131 *Roads (W2-7) or a Double Side Road (W2-8) ~~symbol~~ sign, the name of the first street*
132 *encountered should be displayed above the name of the second street encountered, and*
133 *the arrow associated with the second street encountered should be an advance arrow,*
134 *such as the arrow shown on the W16-6P arrow plaque (see Figure 2C-12). (Approved by*
135 *Council 1-19-2012)*

136
137 **Section 8B.06 Grade Crossing Advance Warning Signs (W10 Series)**

138 **Standard:**
139 01 **A Highway-Rail Grade Crossing Advance Warning (W10-1) sign (see Figure 8B-4)**
140 **shall be used on each highway in advance of every highway-rail grade crossing, ~~and every~~**
141 **~~highway-LRT 98 grade crossing in semi-exclusive alignments,~~ except in the following**
142 **circumstances:**

- 143 A. **On an approach to a grade crossing from a T-intersection with a parallel highway**
144 **if the distance from the edge of the track to the edge of the parallel roadway is less**
145 **than 100 feet and W10-3 signs are used on both approaches of the parallel**
146 **highway;**
147 B. **On low-volume, low-speed highways crossing minor spurs or other tracks that are**
148 **infrequently used and road users are directed by an authorized person on the**
149 **ground to not enter the crossing at all times that approaching rail traffic is about**
150 **to occupy the crossing;**
151 C. **In business or commercial areas where active grade crossing traffic control ~~devices~~**
152 **~~systems~~ are in use; or**
153 D. **Where physical conditions do not permit even a partially effective display of the**
154 **sign.**

155 **E. At LRT grade crossings, where crossbuck signs are not used. (Approved by**
156 **Council January 2011, 10B-RR-03)**

157 02 The placement of the Grade Crossing Advance Warning sign shall be in accordance with
158 Section 2C.05 and Table 2C-4.

159 03 A Yield Ahead (W3-2) or Stop Ahead (W3-1) Advance Warning sign (see Figure 2C-6) shall
160 also be installed if the criteria for their installation given in Section 2C.36 is met. If a Yield Ahead
161 or Stop Ahead sign is installed on the approach to the crossing, the W10-1 sign shall be installed
162 upstream from the Yield Ahead or Stop Ahead sign. The Yield Ahead or Stop Ahead sign shall be
163 located in accordance with Table 2C-4. The minimum distance between the signs shall be in
164 accordance with Section 2C.05 and Table 2C-4.

165 Option:

166 04 On divided highways and one-way streets, an additional W10-1 sign may be installed on the left-
167 hand side of the roadway.

168 **Standard:**

169 05 If the distance between the tracks and a parallel highway, from the edge of the tracks to the
170 edge of the parallel roadway, is less than 100 feet, W10-2, W10-3, or W10-4 signs (see Figure 8B-4)
171 shall be installed on each approach of the parallel highway to warn road users making a turn that
172 they will encounter a grade crossing soon after making a turn, and a W10-1 sign for the approach
173 to the tracks shall not be required to be between the tracks and the parallel highway.

174 06 If the W10-2, W10-3, or W10-4 signs are used, sign placement in accordance with the
175 guidelines for Intersection Warning signs in Table 2C-4 using the speed of through traffic shall be
176 measured from the highway intersection.

177 Option:

178 06a An Advance Street Name Plaque may be installed to identify the intersecting road (see
179 Section 2C.58).

180 Guidance:

181 07 If the distance between the tracks and the parallel highway, from the edge of the tracks to the edge of
182 the parallel roadway, is 100 feet or more, a W10-1 sign should be installed in advance of the grade
183 crossing, and the W10-2, W10-3, or W10-4 signs should not be used on the parallel highway.
184

Figure 8B-4. Warning Signs and Plaques for Grade Crossings



185