



National Committee on Uniform Traffic Control Devices

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National Committee on Uniform Traffic Control Devices (NCUTCD) Recommended Changes to Proposed Text for 11th Edition of the MUTCD Docket Number: FHWA-2020-0001

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Federal Register Item Number: 606 - 610

NPA MUTCD Section Number: Sections 9C.01 – 9C.09

Legend: Base text shown in proposal is the NPA “clean” proposed text.

- [NCUTCD recommendation for text to be added in final rule.](#)
- ~~[NCUTCD recommendation for text to be deleted in final rule.](#)~~
- [NCUTCD recommendation for text to be moved/relocated in final rule.](#)
- [NPA text that was not previously approved by NCUTCD but is now approved.](#)
- Explanatory note: [\[Note that explains purpose of recommended change.\]](#)

The following pages present NCUTCD recommendations for changes to the MUTCD NPA proposed text, tables, and figures for Chapter 9C. Below is a short summary of the NCUTCD position for each section of this chapter. A more detailed summary is provided at the beginning of each section.

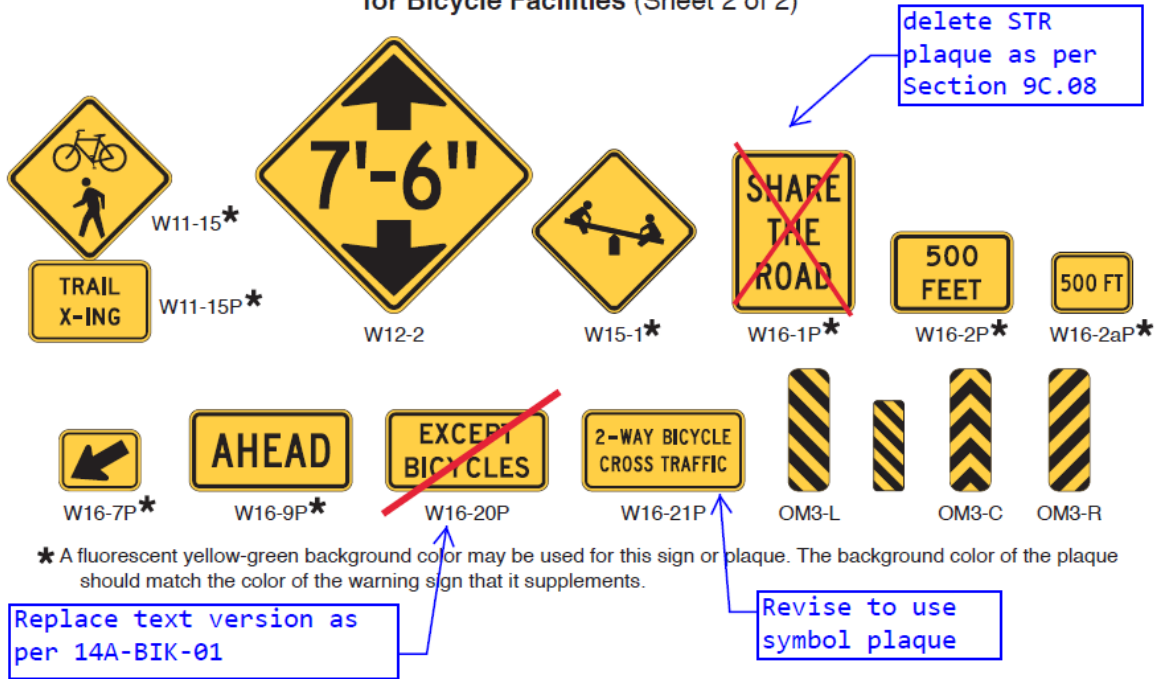
- NPA #NA, Section 9C.01: NCUTCD agrees with NPA content
- NPA #NA, Section 9C.02: NCUTCD agrees with NPA content
- NPA #NA, Section 9C.03: NCUTCD agrees with NPA content
- NPA #NA, Section 9C.04: Changes recommended based on Council action in spring 2021.
- NPA #606, Section 9C.05: NCUTCD agrees with NPA content
- NPA #607, Section 9C.06: Changes recommended based on Council action in spring 2021
- NPA #608, Section 9C.07: NCUTCD agrees with NPA content
- NPA #609, Section 9C.08: Changes recommended based on Council action in spring 2021.
- NPA #610, Section 9C.09: NCUTCD agrees with NPA content

Figure 9C-1. Warning Signs and Plaques and Object Markers for Bicycle Facilities (Sheet 1 of 2)



* A fluorescent yellow-green background color may be used for this sign or plaque. The background color of the plaque should match the color of the warning sign that it supplements.

Figure 9C-1. Warning Signs and Plaques and Object Markers for Bicycle Facilities (Sheet 2 of 2)



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W16-20P

W16-1P

W16-1aP

NCUTCD generally agrees with Figure 9C-1 in the NPA but recommends the following revisions:

- Delete the W16-21P SHARE THE ROAD plaque as per NPA content in Chapter 2C.
- Revise the 2-WAY BICYCLE CROSS TRAFFIC W16-21P plaque with a symbol sign version.
- Replace the NPA text version EXCEPT BICYCLES W16-20P plaque with the NCUTCD recommended symbol sign version as per 14A-BIK-01 and as presented in NPA Section 2C.67.
- Add the IN ROAD plaque W16-1P and IN STREET plaque W16-1aP as presented in Section 2C.66.

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51 **Section 9C.01 Comments:** NCUTCD agrees with 9C.01 as presented in the NPA.

52 **Section 9C.01 Turn or Curve Warning Signs (W1 Series)**

53 *Guidance:*

54 *To warn bicyclists of unexpected changes in shared-use path direction, appropriate turn or*
55 *curve (W1-1 through W1-7) signs should be used.*

56 *The W1-1 through W1-5 signs should be installed at least 50 feet in advance of the beginning*
57 *of the change of alignment.*

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60 **Section 9C.02 Comments:** NCUTCD agrees with 9C.02 as presented in the NPA.

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62 **Section 9C.02 Intersection Warning Signs (W2 Series)**

63 *Option:*

64 *Intersection Warning (W2-1 through W2-5) signs may be used on a roadway, street, or*
65 *shared-use path in advance of an intersection to indicate the presence of an intersection and the*
66 *possibility of turning or entering traffic.*

67 *Guidance:*

68 *When engineering judgment determines that the visibility of the intersection is limited on the*
69 *shared-use path approach, Intersection Warning signs should be used.*

70 *Intersection Warning signs should not be used where the shared-use path approach to the*
71 *intersection is controlled by a STOP sign, a YIELD sign, or a traffic control signal.*

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74 **Section 9C.03 Comments:** NCUTCD agrees with 9C.03 as presented in the NPA.

75 **Section 9C.03 Bicycle Surface Condition Warning Sign (W8-10)**

76 *Option:*

77 *The Bicycle Surface Condition Warning (W8-10) sign may be installed where roadway or*
78 *shared-use path conditions could cause a bicyclist to lose control of the bicycle.*

79 *Signs warning of other conditions that might be of concern to bicyclists, including BUMP*
80 *(W8-1), DIP (W8-2), PAVEMENT ENDS (W8-3), and any other word message that describes*
81 *conditions that are of concern to bicyclists, may also be used.*

82 *A supplemental plaque may be used to clarify the specific type of surface condition.*

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85 **Section 9C.04 Comments:** NCUTCD agrees with 9C.04 as presented in the NPA but
86 recommends that the word “bicycle” be replaced with “bicyclist” where appropriate, both in this
87 Section and throughout the MUTCD when the word is describing the person and not the vehicle.
88 NCUTCD recommends the removal of the word “unconventional” as it is an undefined term in
89 the MUTCD.

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92 **Section 9C.04 Bicycle Warning and Combined Bicycle/Pedestrian Signs (W11-1 and W11-**
93 **15)**

94 Support:

95 The Bicycle Warning (W11-1) sign alerts the road user to unexpected entries into the
96 roadway by ~~bicyeles~~ bicyclists, and other crossing activities that might cause conflicts. These
97 conflicts might be relatively confined, or might occur randomly over a segment of roadway.

98 [Request change throughout Part 9 to “bicyclist” where applicable]

99 Section 9C.067 contains information for Bicycle Cross Traffic Warning plaques that can be
100 used below Stop signs on cross streets or driveways that intersect with ~~unconventional~~ bicycle
101 facilities. [editorial change to delete term unconventional]

102 Option:

103 The combined Bicycle/Pedestrian (W11-15) sign may be used where both bicyclists ~~bicyeles~~
104 and pedestrians might be crossing the roadway, such as at an intersection with a shared-use path.
105 A TRAIL X-ING (W11-15P) supplemental plaque may be mounted below the W11-15 sign.

106 [editorial]

107 A supplemental plaque with the legend AHEAD or XX FEET may be used with the Bicycle
108 Warning or combined Bicycle/Pedestrian sign.

109 *Guidance:*

110 *If used in advance of a specific crossing point, the Bicycle Warning or combined*
111 *Bicycle/Pedestrian sign should be placed at a distance in advance of the crossing location that*
112 *conforms with the guidance given in Table 2C-3.*

113 **Standard:**

114 **Bicycle Warning and combined Bicycle/Pedestrian signs, when used at the location of**
115 **the crossing, shall be supplemented with a diagonal downward pointing arrow (W16-7P)**
116 **plaque to show the location of the crossing.**

117 Option:

118 A fluorescent yellow-green background color with a black legend and border may be used for
119 Bicycle Warning and combined Bicycle/Pedestrian signs and supplemental plaques.

120 *Guidance:*

121 *When the fluorescent yellow-green background color is used, a systematic approach*
122 *featuring one background color within a zone or area should be used. The mixing of standard*
123 *yellow and fluorescent yellow-green backgrounds within a zone or area should be avoided.*

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126 **Section 9C.05 Comments: NCUTCD agrees with 9C.05 as presented in the NPA.**

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128 **Section 9C.05 Except Bicycles Plaque (W16-20P)**

129 Option:

130 Where it can be advantageous to notify bicyclists that the conditions or hazards depicted by a
131 warning sign are not applicable to bicycles, the Except Bicycles (W16-20P) plaque may be used.

132 Support:

133 Examples of warning signs where an Except Bicycles plaque can be mounted include DEAD
134 END (W14-1) and NO OUTLET (W14-2) signs (see Section 2C.25).

135 Sections 2C.57 and 2C.58 contain information on the design of supplemental warning
136 plaques.

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139 **Section 9C.06 Comments:** NCUTCD generally agrees with 9C.06, but recommends revisions to
140 expand the application to either STOP or YIELD signs and deleting a Guidance statement to
141 allow flexibility for use of this sign as per engineering judgment.

142 **Section 9C.06 Bicycle Cross Traffic Warning Plaques (W16-21P)**

143 **Standard:**

144 When used, the Bicycle Cross Traffic Warning plaque shall be installed below a
145 STOP or YIELD sign.

146 Option:

147 The Bicycle Cross Traffic Warning plaque may be used below STOP or YIELD signs on
148 cross streets and driveways to alert motor vehicle users of an unexpected bicycle movement.

149 Support

150 The Bicycle Cross Traffic Warning plaque can help avoid overuse and/or misapplication of
151 other Warning signs such as the Bicycle warning (W11-1) sign.

152 Guidance:

153 The Bicycle Cross Traffic Warning plaque should be used in combination with a STOP or
154 YIELD sign when a counter-flow or two-way ~~separated~~ bicycle ~~lane~~ facility has an approach that
155 is counter to the customary scanning behavior of a motorist at the stop sign. [editorial]

156 ~~The Bicycle Cross Traffic Warning plaque should be used at isolated locations and should~~
157 ~~not be used systematically on a bicycle facility that would encounter an excessive number of~~
158 ~~cross streets, driveways, or other conflict points.~~ [delete to allow use per engineering judgment]

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161 **Section 9C.07 Comments:** NCUTCD generally agrees with 9C.07 as presented in the NPA with
162 minor editorial changes.

164 **Section 9C.07 Bicycle Lane Ends Warning Sign (W9-5) and Bicycles Merging Sign (W9-5a)**

165 Support:

166 Where a warning sign is appropriate, the Bicycle Lane Ends Warning sign (W9-5) is
167 intended to alert road users that a bicycle lane is ending and that bicycles will share or occupy
168 the travel lane after merging.

169 Option:

170 The Bicycle Lane Ends Warning sign (see Figure 9C-~~X1~~) may be used in advance of the end
171 of a bicycle lane to warn that a bicycle lane will be ending. [editorial change for figure reference]

172 The Bicycles Merging sign (W9-5a) may be used where a bicycle merging maneuver may
173 occur. The Bicycles Merging sign (see Figure 9~~BC-X1~~) may be used in addition to the Bicycle
174 Lane Ends Warning sign (W9-5). [editorial change for figure reference]

175 Guidance:

176 To avoid excessive use of signs, the Bicycle Lane Ends Warning sign should not be used
177 where a bicycle lane is dropped on the approach to an intersection and resumes immediately
178 after the intersection.

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181 Option: [editorial change for figure reference]

182 A Bicycles May Use Full Lane sign (R4-11) and/or Shared Lane Markings (see Sections
183 ~~9B.1407~~ and/or 9E.09) may be installed downstream of the merge area.

184 A W16-2aP Supplemental Warning Plaque may be used to inform road users of the distance
185 to the end of the bicycle lane and/or the bicycle merge.

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188 **Section 9C.08 Comments:** NCUTCD generally agrees with 9C.08 as presented in the NPA but
189 recommends revision to add IN STREET plaque W16-1aP and delete SHARE THE ROAD
190 plaque as per Section 2C.66.

191

192 Section 9C.08 Other Bicycle Warning Signs

193 Option:

194 Other bicycle warning signs (see Figure 9C-1) such as PATH NARROWS (W5-4a) and Hill
195 (W7-5) may be installed on shared-use paths to warn bicyclists of conditions not readily
196 apparent.

197 In situations where there is a need to warn road users to watch for bicycles traveling along
198 the roadway, the BICYCLE warning sign (W11-1) may be used with the IN
199 ROAD plaque (W16-1P) or the IN STREET plaque (W16-1aP). ~~and W16-1aP~~

200 *Guidance:*

201 *If used, other advance bicycle warning signs should be installed at least 50 feet in advance of*
202 *the beginning of the condition.*

203 *Where temporary traffic control zones are present on bikeways, appropriate signs from Part*
204 *6 should be used.*

205 Option:

206 Other warning signs described in Chapter 2C and Chapter 8C may be installed on
207 bicycle facilities as appropriate.

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210 **Section 9C.09 Comments:** NCUTCD agrees with 9C.09 as presented in the NPA.

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212 Section 9C.09 Object Markers

213 **Standard:**

214 **Obstructions in the traveled way of a shared-use path shall be marked with**
215 **retroreflective material or appropriate object markers as described in Section 2C.69.**

216 Option:

217 Fixed objects adjacent to shared-use paths may be marked with Type 1, Type 2, or Type 3
218 object markers. If the object marker is not intended to also be seen by motorists, a smaller
219 version of the Type 3 object marker may be used (see Table 9A-1).