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**National Committee on
Uniform Traffic Control Devices**

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National Committee on Uniform Traffic Control Devices

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**TECHNICAL COMMITTEE: NCUTCD Regulatory/Warning Signs Technical
Committee**

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DATE OF ACTION: (TASK FORCE): March 5, 2014

TASK FORCE: Dan Paddick (chair), Herman Hill, Randy McCourt,

RWSTC APPROVAL DATE: 3-16-14

TRANSMITTAL TO SPONSORS DATE: Spring 2014

RWSTC APPROVAL FOLLOWING SPONSOR COMMENTS: June 25, 2014

COUNCIL APPROVAL DATE: **June 26, 2014**

18

**TOPIC: Section 2C.10 (proposed 2Q.04) Combination Horizontal
Alignment/Advisory Speed Signs (W1-1a, W1-2a)**

21

AFFECTED PORTIONS OF MUTCD: Section 2C.10

23

BACKGROUND:

In December 2013 the RWSTC received from FHWA, their proposed edits to Chapter 2C along with other chapters. These edits included all the previously approved NCUTCD Council items verbatim. The FHWA remarks are highlighted in green.

28

It is FHWA's intention to issue an NPA in November 2014. FHWA requested NCUTCD input by July 2014.

31

RESEARCH:

None

34

DISCUSSION:

36

In Section 2C.10, FHWA proposed changing the term "Combination" to "Supplemental". The RWSTC agreed with this change at their January 2014 meeting but no vote was actually taken. Since this change involves a change in language to the MUTCD and was not previously approved by Council, this FHWA proposal is being sent to sponsors for comment. FHWA proposed changes as shown in blue below.

42

Attachment No. 9
RW Signs No. 4

43
44 After reviewing Sponsor Comments, the far from unanimous consensus of the
45 task force was that the sign was both a combination sign and a supplemental sign and
46 that it should be referred to as the “Combination Supplemental Horizontal Turn
47 (Curve) Advisory Speed sign.
48

49 There was also considerable discussion over whether the sign had to be used
50 alone. The task force is unaware on any research that indicates that this sign when
51 used alone is any more or less effective than the tradition W1-1 “Turn” sign or the
52 traditional W1-2 “Curve” sign used with a W13-1P Advisory Speed plaque. This
53 might be a good issue for future research.
54

55 Following sponsor comments RWSTC recommended in June 2014 staying with
56 the present 2009 MUTCD language which uses the term “combination” rather than
57 “supplemental” since the sign is a “combination” sign in the sense that it has the
58 speed contained with the diamond warning sign. The standard statement requires
59 that this sign not be used in advance of the curve as a substitute for the advance curve
60 warning sign and advisory speed plaque.
61

62 The task force also eliminated the phrase “based upon an engineering study” from
63 the end of the second Option statement. It just seems to be hanging there. It appears
64 to refer to the Advisory Speed plaque. Paragraph 02 of Section 2C.08 and paragraph
65 04 of this Section already address the engineering study required for the Advisory
66 Speed plaque.
67

68 **Note:** FHWA proposed changes to the MUTCD are shown in underline blue and
69 removed text is shown in ~~strikethrough blue~~. RWSTC proposed changes to the
70 MUTCD are shown in underline red and removed text is shown in ~~strikethrough~~
71 ~~red~~.

72 **Green** highlighted are comments by FHWA
73

74 **RECOMMENDED WORDING:**
75

76 Section ~~2C.10~~ 2Q.04 ~~Combination~~ Combination ~~Supplemental~~ Horizontal
77 Alignment/ and (delete “and”) Advisory Speed Signs (W1-1a, W1-2a) **Name of**
78 **the sign changed to better describe its use, which is not a replacement of the Advance**
79 **Warning sign/plaque assembly**

80
81 **Following sponsor comments, RWSTC recommends that the original 2009 MUTCD**
82 **language be retained which uses the the term “combination” as shown herein rather**
83 **than “supplemental” term suggested by FHWA**
84

85 Option:

86 The Turn (W1-1) sign or the Curve (W1-2) sign may be combined with the Advisory Speed
87 (W13-1P) plaque (see Section 2C.08) to create a ~~combination-supplemental~~ combination

Attachment No. 9
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88 Turn/~~and~~ (delete “and”) Advisory Speed (W1-1a) sign or ~~combination supplemental~~ combination
89 Curve/ ~~and~~ Advisory Speed (W1-2a) sign (see Figure 2C-1).

90

91 The ~~combination Horizontal~~ combination Horizontal Alignment/ ~~and~~ Advisory Speed sign
92 may be used to supplement the advance Horizontal Alignment warning sign and Advisory Speed
93 plaque ~~based upon an engineering study~~.

94 **Standard:**

95 **If used, the combination Horizontal Alignment/Advisory Speed sign shall not be used**
96 **alone and shall not be used as a substitute for a Horizontal Alignment warning sign and**
97 **Advisory Speed plaque at the advance warning location. The combination Horizontal**
98 **Alignment/Advisory Speed sign shall only be used as a supplement to the advance**
99 **Horizontal Alignment warning sign. If used, the combination Horizontal**
100 **Alignment/Advisory Speed sign shall be installed at the beginning of the turn or curve.**

101 *Guidance:*

102 *The advisory speed displayed on the ~~combination supplemental combination~~ Horizontal*
103 *Alignment/Advisory Speed sign should be based on the advisory speed for the horizontal curve*
104 *using recommended engineering practices (see Section 2C.08).*

105

106

107 RWSTC VOTE: 3-16-14

108 For: 26

109 Opposed:1

110 Abstentions:1

111

112 RWSTC VOTE 6-25-14 following sponsor comments:

113 For: 18

114 Opposed: 7

115 Abstentions: 0

116

117 COUNCIL VOTE: 6-26-14

118 For: 38

119 Opposed:0

120 Abstentions: 1

121

122 C:NCUTCD/June 2014/RW # 4 Section 2C-10 (new section 2Q-04) Combination Curve
123 revised3-5-14, updated 3-8-14, updated 3-16-14, approved by RWSTC following sponsor
124 comments 6-25-14, approved by Council 6-26-14