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**National Committee on
Uniform Traffic Control Devices**

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RWSTC agenda item III.D, Jan 2011

GMISTC agenda item June 23, 2011

GMISTC and RWSTC agenda item Jan 10, 2013

June, 2012 GMI No. 3

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National Committee on Uniform Traffic Control Devices
GMI SIGNS TECHNICAL COMMITTEE RECOMMENDATION
RW SIGNS TECHNICAL COMMITTEE RECOMMENDATION

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**TECHNICAL COMMITTEE: NCUTCD Guide and Motorist Information Signs
Technical Committee**
**TECHNICAL COMMITTEE: NCUTCD Regulatory and Warning Signs Technical
Committee**

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TASK FORCE DATE OF ACTION: 6-6-10

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RWSTCTask Force: Tom Heydel
GMISTC Task Force: Roxane Mukai
GMISTC Approval: 06-23-11
RWSTC APPROVAL DATE: 6-30-10

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TRANSMITTAL TO SPONSORS DATE: September 17, 2012
COUNCIL APPROVAL DATE: January 11, 2013

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TOPIC: TOLL Auxiliary Sign (M4-15) Designation

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**AFFECTED PORTIONS OF MUTCD: Sections 2F.02, 2F.11, 2F.13, 2C.01 thru
2C.04, 2D.12, Tables 2C-2 and 2F-1**

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DISCUSSION/QUESTION:

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The toll committee task force requested that RWSTC and GMISTC evaluate the applicability of the yellow background and black copy “warning” color of the M4-15 “TOLL” sign shown in Figure 2F-4 given the auxiliary route sign number and designated use. Should the sign be considered a regulatory sign instead of warning? Should the sign number be warning instead of auxiliary route?

43 Section 2F.11 requires that the M4-15 plaque be mounted above route markers in all
44 route sign assemblies **approaching** tolled highway segments to warn drivers that the
45 segment of highway they are about to enter is tolled.

46
47 Section 2F.13 further expands the use of the TOLL plaque requiring that a rectangular
48 yellow background panel with black legend TOLL be incorporated into guide signs
49 leading road users to a tolled highway or highway segment.

50 Section 2C.01 states that warning signs call attention to unexpected conditions on or
51 adjacent to a highway that may not be readily apparent to road users. Section 2C.03
52 states that unless specifically designated otherwise, all warning signs shall be diamond-
53 shaped with a black legend and border on a yellow background.

54
55 Section 2C.53 and Section 2C.54 states that supplemental warning plaques shall be used
56 only in combination with a warning or regulatory sign they supplement.

57
58 Section 2D.12 requires that all route sign auxiliaries match the color of the route sign
59 they supplement. Other M4-XX auxiliary route markers such as TRUCK,
60 TEMPORARY, ALTERNATE, BUSINESS, JCT are consistently utilized in all route
61 sign assemblies related to the applicable highway or highway segments including
62 confirmatory route marker assemblies.

63
64 The yellow background with black copy “TOLL” auxiliary warning sign is used to call
65 drivers attention to the tolled condition of a highway or highway segment to which they
66 are being guided. The sign is to be used in route sign assemblies and on guide signs
67 approaching tolled highways or highway segments but its use is independent of other
68 regulatory and warning signs. Route sign continuity is not maintained as the warning
69 sign is only required to be used on approach to the tolled highway or highway segment
70 and its use is not required in confirmatory route marker sign assemblies., The “TOLL”
71 auxiliary warning sign is not being used as a supplemental plaque nor as a route sign
72 auxiliary.

73
74 **RECOMMENDATION: Retain the yellow M4-15 plaque as shown in Figure 2F-4**
75 **below and Sections 2F.11 and 2F.13 noted below. Change the M4-15 designation to**
76 **a W16-X code.**

77
78 **Complete 2009 MUTCD Sections 2F.11 and 2F.13 noted below for information.**

79
80 **RECOMMENDED WORDING: Deletions in ~~red strikeouts~~, insertions in red**
81 **underline.**

82

83 **Section 2F.11 TOLL Auxiliary Sign (~~M4-15~~W16-X)**

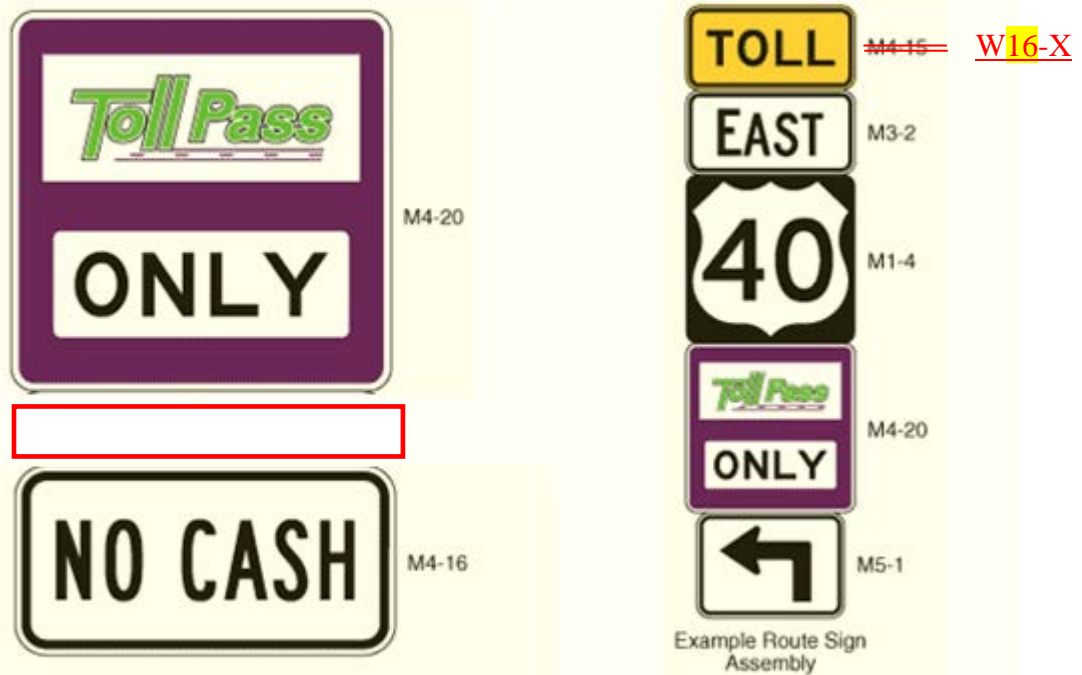
84 **Standard:**

85 01 The TOLL (~~M4-15~~W16-X) auxiliary sign (see Figure 2F-4) shall have a black
86 legend and border on a yellow background and shall be mounted directly above
87 the route sign of a numbered toll highway or, if used, above the cardinal

88 direction and alternative route auxiliary signs, in any route sign assembly
89 providing directions from a non-toll highway to the toll highway or to a segment
90 of a highway on which the payment of a toll is required.

91 **Figure 2F-4 ETC Account-Only Auxiliary Signs for Use in Route Sign Assemblies**

Figure 2F-4. ETC Account-Only Auxiliary Signs for Use in Route Sign Assemblies



NOTE: The ETC pictograph shown is an example only.
The pictograph for the toll facility's adopted
ETC system shall be used.

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93 **Section 2F.13 Toll Facility and Toll Plaza Guide Signs – General**

94 Support:

95 01 Toll plazas are used on many toll highways, bridges, and tunnels for collection of tolls
96 from road users. Electronic toll collection and/or open-road tolling might also be used on
97 such facilities, either in addition to or in place of collecting toll payments at toll plazas.

98 02 Chapter 2G contains information regarding signs for preferential and managed lanes
99 that are applicable to toll roads.

100 03 Chapter 3E contains information regarding pavement markings for certain toll plaza
101 applications.

102 **Standard:**

103 04 **Directional assemblies for entrances to a toll highway or to a road leading**
104 **directly to a toll highway with no opportunity to exit before paying or being**
105 **charged a toll, shall clearly indicate that the facility is a toll facility. The TOLL**
106 **(~~M4-15~~W16-X) auxiliary sign (see Section 2F.11) shall be used above the route**

107 sign of a numbered toll facility in any route sign assembly that provides
108 directions to the toll route from another highway.

109 05 A rectangular panel with the black legend TOLL on a yellow background shall
110 be incorporated into the guide signs leading road users to a toll highway (see
111 Figure 2F-5).

112 06 Guide signs for toll highways, toll plazas, and tolled or priced managed lanes
113 (see Chapter 2G) shall have white legends and borders on green backgrounds,
114 except as specifically provided by Sections 2F.13 through 2F.16.

115 Option:

116 07 Where conditions do not permit separate signs, or where it is important to associate a
117 particular regulatory or warning message with specific guidance information, regulatory
118 and/or warning messages may be combined with guide signs for toll plazas using
119 plaques, header panels, or rectangular regulatory or warning panels incorporated within
120 the guide signs, as long as the proper legend and background colors are preserved.

121 Standard:

122 08 When regulatory messages are incorporated within a guide sign, they shall be
123 on a rectangular panel with black legend on a white background. When warning
124 messages are incorporated within a guide sign, they shall be on a rectangular
125 panel with black legend on a yellow background.

126 Support:

127 09 Figure 2F-5 shows examples of guide signs for entrances to various types of toll
128 highways and for ETC account-only entrances to non-toll highways.

129 Figure 2F-5 Examples of Guide Signs for Entrances to Toll Highways or Ramps

Figure 2F-5. Examples of Guide Signs for Entrances to Toll Highways or Ramps



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131 Standard:

132 10 Signing for entrances to toll highways where ETC is employed only through
133 license plate character recognition such that road users are not required to
134 establish a toll account or register their vehicle equipment shall comply with the
135 provisions of Paragraphs 4 and 5 (see Figure 2F-6).

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Figure 2F-6 Examples of Guide Signs for the Entrance to a Toll Highway on which Tolls are Collected Electronically Only



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139 **11 If only vehicles with registered ETC accounts are allowed to use a toll**
140 **highway, the guide signs for entrances to such facilities shall incorporate the**
141 **pictograph adopted by the toll facility's ETC payment system and the regulatory**
142 **message ONLY (see Figures 2F-1, 2F-5, and 2F-6). The use, size, and placement**
143 **of the ETC pictograph shall comply with the provisions of Sections 2F.03 and**
144 **2F.04.**

145 Support:

146 12 Sections 2F.11, 2F.12, and 2F.17 contain additional provisions regarding signs for toll
147 highways that only accept ETC payments.

148 13 Sections 2G.16 through 2G.18 contain additional provisions regarding signs for priced
149 managed lanes that only accept ETC payments.

150 Option:

151 14 Where a toll highway on which tolls are collected only electronically also accepts
152 payments from registered toll account users and those road users not registered in a toll
153 account program are assessed a nominal surcharge in addition to the toll, or registered
154 toll account users are assessed a discounted toll, such information may be displayed on a
155 separate information sign near the entrance to such a facility (see Figure 2F-6).

156 Support:

157 15 Figure 2F-7 shows an example of guide signs for alternative toll and non-toll ramp
158 connections to a non-toll highway.

159 **Figure 2F-7 Examples of Guide Signs for Alternative Toll and Non-Toll Ramp**
160 **Connections to a Non-Toll Highway**

Figure 2F-7. Examples of Guide Signs for Alternative Toll and Non-Toll Ramp Connections to a Non-Toll Highway



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164 RWSTC Vote: For: 21

165 Against: 0

166 Abstentions: 2

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168 Motion Passed

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170

171 June 23, 2011 GMI TC Vote: For: 22

172 Against: 0

173 Abstain: 2

174

175 January 10, 2013 GMI TC Vote: For: 23

176 Against: 0

177 Abstain: 0

178

179 January 10, 2013 RW TC Vote: For: 24

180 Against: 2

181 Abstain: 1

182

183 Motion Passed