



# National Committee on Uniform Traffic Control Devices

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## 2024 Annual Meeting - Actions of NCUTCD Council January 11-12, 2024, Doubletree Crystal City, Arlington, VA Meeting Summary

**Draft (revised) - content may change prior to final approval by Council.**

### General Session - Call to Order

NCUTCD Chair Gene Hawkins called the meeting to order on Thursday, January 11th, 2024 at 8:00 AM Eastern Standard Time.

### Safety Briefing

Paul Rathgeber presented a safety briefing to all attendees.

### Attendance and Determination of Quorum

<b>Sponsor</b>	<b>Voting Members</b>	<b>Sponsor</b>	<b>Voting Members</b>
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AAA	Michelle Schofner	IACP	Rick Campbell
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AAR	Tony Bellamy	IBTTA	Shannon Bonilla
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AASHTO	Meg Pirkle, Chair	IMSA	Paul Ciupa
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	Neil Boudreau	ITE	Steven Jewell, Chair
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	Jody Colvin		Mike Cynecki
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	Maysa Hanna		Kathy Falk
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	Jason Hyatt		Eagan Foster
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	Bill Lambert		Gene Hawkins
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	Sara Peters		Marc Jacobson
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	Lee Roadifer		Brent Ogden
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AHUA	Jonathan Upchurch		Zoubir Ouadah
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APBP	Peter Koonce	ITS America	Paul Carlson
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APTA	Gary Howard	LAB	Rock Miller
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APWA	Steve Oliver, Chair	NACE	Lee Billingsley, Chair
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	Monica Suter		Jeff Blue
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	Bob Garbacz		Tim Haagsma
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AREMA	Adam Gerhardstein	NACTO	Lee Austin, Chair
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ARTBA	Tim Cox		Khanh Uyen Dang
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ASCE	Robert Bryson		Jay Jackson
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ATSSA	Donna Clark	NSC	Dan Magri
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HFR	Bryan Katz		
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### Honorary Members

George Butzer

Scott Wainwright

Executive Secretary Richard Moeur stated a quorum of voting members was present, and Chair Hawkins noted a full complement of 41 Council members was present.

16 Bill Lambert moved and Marc Jacobson seconded approval of the meeting summary for the  
17 June 2023 meeting. This passed in a unanimous voice vote.

### 18 **Chair's Report**

19 Chair Hawkins asked for all first-time attendees to stand and be recognized, and for all first-time  
20 Council members to stand. He then asked for all members who were involved in January 2010  
21 to stand, as that was the last time NCUTCD was working with a new edition of the MUTCD.

22  
23 Chair Hawkins recognized that we were happy to see a new MUTCD published in December  
24 2023. He announced that Randy McCourt came closest to guessing the publication date,  
25 followed by Adam Greenstein.

26  
27 Chair Hawkins set out the expectations for committee and Council action. Committees should  
28 be completing their review of the new MUTCD. Resolutions requesting immediate changes  
29 reflected in a Revised Final Rule will be voted on Friday. This is a high bar. Technical  
30 corrections can follow the standard process and go out for sponsor review in spring 2024 and  
31 Council vote in June 2024. Other revisions can follow using the standard process.

32  
33 After a 4-year effort of rewriting, the revised Bylaws will be voted on during the Friday session.  
34 Bill Lambert will present briefly on the process. No amendments will be allowed on the Bylaws  
35 motion. A rewritten and greatly expanded set of Operating Procedures were approved by the  
36 Executive Board in November 2023, and will take effect upon approval of the revised Bylaws.

37  
38 There will be an emergency Executive Board meeting today at lunch to rescind prior technical  
39 recommendations on MUTCD content. If passed, this will be brought up for Council vote Friday.

40  
41 Chair Hawkins requested that members use correct terminology as expressed in the new  
42 Bylaws and Operating Procedures. Any proposal that has not been approved by Council is a  
43 "proposed change", and becomes a "recommended change" once approved by Council. He also  
44 covered task forces, multi-committee task forces, joint task forces, technical committees, joint  
45 committees, Council, and Executive Board, emphasizing the roles of each and how they are  
46 different from one another.

47  
48 Chair Hawkins discussed the January 4th Executive Board meeting. At this meeting, there was  
49 a discussion of the scheduling of the January Annual Meeting and its overlap and scheduling  
50 conflicts with TRB for several members. Hawkins asked for a non-binding show of hands for  
51 those who preferred holding the meeting the week prior to TRB, the week of TRB, and who had  
52 no preference, with inconclusive results.

53  
54 Two members of the Executive Board (Steve Jewell and Peter Koonce) are stepping down from  
55 the Board, and the current NCUTCD Treasurer is moving to chair the ITE delegation. Hawkins  
56 presented all three with certificates of appreciation. Hawkins also announced the new Group II  
57 Board member replacing Koonce will be Tony Bellamy of AAR.

### 58 **New Members**

59 Chair Hawkins then called those who were approved for membership at the January 4th Board  
60 meeting to the front, and welcomed them to NCUTCD. Each new member who was in  
61 attendance was given a NCUTCD membership pin. The list of new members is attached.

62 **2024 Midyear Meeting**

63 The Midyear Meeting will be at the Holiday Inn by the Bay in Portland, Maine on June 26-28,  
64 2024. NCUTCD has held meetings in Portland four times, most recently in 2013 at that hotel.  
65 NCUTCD and AASHTO contacted several locations in several northeast US states before  
66 selecting Portland. Additional information, registration, and room booking information should be  
67 available in early spring 2024.

68 **2025 Midyear Meeting**

69 The 2025 Midyear Meeting is proposed to be held in the Detroit, Michigan area. No venue has  
70 yet been selected. A meeting in the Detroit area could facilitate interactions with the automotive  
71 industry, and could be convenient for Canadian TOMC or provincial officials to attend and  
72 participate.

73  
74 No action has yet been taken on selecting sites for 2026 and subsequent Midyear Meetings.

75  
76 Chair Hawkins noted the death of Dick Luettich, a 60+ year member of the NJCUTCD /  
77 NACTCD / NCUTCD, the first Chair of NCUTCD, and the first Honorary Member of NCUTCD.  
78 Jonathan Upchurch described him as "a giant in the profession." There will be a memorial for  
79 Mr. Luettich on February 10th in the Savannah area. Any thoughts or memories can be sent to  
80 Chair Hawkins for forwarding to the family. A moment of silence was observed.

81 **Other Reports**

82 **Website:**

83 Webmaster Marc Jacobson noted the NCUTCD website and new database are working well  
84 and contain a large amount of useful information for members and others. He and Executive  
85 Secretary Moeur were working together to identify bugs and improve operations.

86 **New Member Orientation:**

87 Jonathan Upchurch reported a New Member Orientation session was held on Wednesday  
88 afternoon, with 25 persons in attendance. Randy Dittberner assisted in presenting the material.  
89 These sessions have reached over 450 people since their origination by Carlton "Robbie"  
90 Robinson.

91 **TOMC / Canadian MUTCD:**

92 Scott Wainwright and Nicole Jackson have been participating in Canadian MUTCD activities,  
93 and Wainwright gave a brief presentation on recent TAC / TOMC actions. This presentation is  
94 attached.

95 **Chair's Notes (cont.)**

96 Chair Hawkins commented on the future availability of a print version of the 11th Edition of the  
97 MUTCD, likely available in spring 2024 and sold by ATSSA, AASHTO, and ITE.

98 **Election of Officers**

99 Nominating Committee Chair Steve Oliver read the names of the candidates for Treasurer, Vice  
100 Chair of Research, Vice Chair of Programs, and NCUTCD Chair. The only contested position is  
101 that of NCUTCD Vice Chair for Programs.

102

103 Bill Lambert and Jonathan Upchurch each made presentations on behalf of their respective  
104 qualifications for the Vice Chair of Programs position. After the presentation, written ballots were  
105 distributed to Council members by the Executive Secretary and collected.

106 **Recess**

107 The Council session recessed from 9:17 to 9:45 AM EST.

108 **Chair's Notes (cont.)**

109 Chair Hawkins recognized the work of Scott Heydt in working the presentation computer at  
110 General Sessions for several years and for Ahmed Aburahmah in walking the microphone to  
111 Council and technical members at General Sessions for many years. This position will need  
112 filling, as Ahmed will become a voting member on Council at the close of the Annual Meeting,  
113 and a volunteer is encouraged to fill this role.

114 **Election of NCUTCD Officers (cont.)**

115 George Butzer announced the results of the balloting. 41 ballots were received.

- 116 • Chair: Gene Hawkins, unanimous
- 117 • Vice Chair, Programs: Bill Lambert, 26 votes, Jonathan Upchurch 15 votes
- 118 • Vice Chair, Research: Bryan Katz, unanimous
- 119 • Treasurer: Monica Suter, unanimous

120  
121 Rick Campbell moved and Bob Bryson seconded approval of the results, which passed  
122 unanimously. Chair Hawkins directed the ballots be destroyed and thanked Butzer and  
123 Wainwright for their work.

124 **FHWA Report**

125 Chair Hawkins thanked the FHWA MUTCD Team for their work in finishing the rulemaking  
126 process and completing the 11th Edition of the MUTCD. Kevin Sylvester of the FHWA MUTCD  
127 Team presented a report and update on the Final Rule, adoption, and rollout of the 11th Edition  
128 of the MUTCD. This presentation is attached. Sylvester then fielded questions from NCUTCD  
129 members regarding the 11th Edition. Kevin also thanked NCUTCD for contributions to the 11th  
130 Edition.

131 **Recess**

132 The meeting was recessed at 11:25 AM EST. Maximum session attendance for the day was  
133 estimated at 240.

134

135 **General Session - Call to Order**  
136 NCUTCD Chair Gene Hawkins reconvened the General Session on Friday, January 12th, 2024  
137 at 8:00 AM Eastern Standard Time.

138 **Safety Briefing**  
139 Paul Rathgeber presented a safety briefing to all attendees.

140 **Attendance and Determination of Quorum**

<b>Sponsor</b>	<b>Voting Members</b>	<b>Sponsor</b>	<b>Voting Members</b>
AAA	(no representative)	IACP	Rick Campbell
AAR	Tony Bellamy	IBTTA	Shannon Bonilla
AASHTO	Meg Pirkle, Chair Neil Boudreau Jody Colvin Maysa Hanna Jason Hyatt Bill Lambert Sara Peters Lee Roadifer	IMSA	Paul Ciupa
AHUA	Jonathan Upchurch	ITE	Steven Jewell, Chair Mike Cynecki Kathy Falk Eagan Foster Gene Hawkins Marc Jacobson Brent Ogden Zoubir Ouadah
APBP	Peter Koonce	ITS America	Paul Carlson
APTA	Gary Howard	LAB	Rock Miller
APWA	Steve Oliver, Chair Monica Suter Bob Garbacz	NACE	Lee Billingsley, Chair Jeff Blue Tim Haagsma
AREMA	Adam Gerhardstein	NACTO	Lee Austin, Chair Khanh Uyen Dang Jay Jackson
ARTBA	Tim Cox	NSC	Dan Magri
ASCE	Robert Bryson		
ATSSA	Donna Clark		
HFR	Bryan Katz		

141  
**Honorary Members**  
George Butzer

Scott Wainwright

142  
143 Executive Secretary Richard Moeur stated a quorum of voting members was present.

144 **Chair's Notes**

145 Chair Hawkins recognized three members of Council that will be stepping down or retiring fully  
146 from NCUTCD at the close of the Annual Meeting - Donna Clark of ATSSA, Brent Ogden of ITE,  
147 and Tom Macchione of IBTTA.

148  
149 Executive Secretary Moeur advised attendees that a shutdown of the WMATA Blue Line starting  
150 this morning and continuing through the weekend may affect travel to Dulles Airport and  
151 northern Virginia.

152 **Bylaws and Operating Procedures**

153 Vice Chair of Programs Bill Lambert presented on the proposed revised NCUTCD Bylaws.  
154 These were sent to Council members prior to the meeting for review and comment. If approved,  
155 these will take effect at the close of this meeting, along with the revised Operating Procedures

156 approved by the Executive Board in November 2023. Lambert moved and Jonathan Upchurch  
157 seconded approval of the revised Bylaws, and after brief discussion were approved  
158 unanimously.

159 **Resolution on Rescission of Prior Proposals**

160 Chair Hawkins reported that the Executive Board unanimously approved the proposed  
161 resolution rescinding prior technical recommendations on Thursday. Prior recommendations can  
162 be used as a template for future proposals, but will need to be updated to reflect and modify the  
163 11th Edition. These recommendations will remain available on the NCUTCD website, but will be  
164 noted as rescinded. Hawkins moved and Steve Jewell seconded a motion to rescind the  
165 recommendations, which was approved unanimously. The resolution is attached.

166 **Signals Technical Committee**

167 Signals TC Chair John Hibbard presented a report on committee activities. The committee met  
168 on Wednesday, January 10 with 40 members and 11 visitors, and on Thursday, January 11 with  
169 38 members and 9 visitors. There were presentations from FHWA and also presentations on  
170 flashing yellow arrow research and on efforts associated with digitization of road rules.

171  
172 Hibbard presented a resolution to be submitted to FHWA regarding conflicting content in Section  
173 4A.05 of the 11th Edition regarding flashing yellow bicycle signal indications. Hibbard moved  
174 and Jay Jackson seconded the motion to approve. Bryan Katz moved to amend the resolution to  
175 strike a paragraph stating this was an Administrative Procedures Act violation, and Zoubir  
176 Ouadah seconded. After discussion, the amendment was called for vote, and failed 14-23-3.  
177 Peter Koonce asked if NCUTCD could forward improved material, but Hawkins replied per the  
178 APA the content must match either the 2009 MUTCD, the 11th Edition MUTCD, or the 11th  
179 Edition NPA. A vote was called, and the resolution approved unanimously. The resolution is  
180 attached. (*Note: Chair Hawkins forwarded this resolution to FHWA after the meeting adjourned.*)  
181

182 Hibbard then presented a resolution to be submitted to FHWA and the US Access Board  
183 regarding content in the recently approved PROWAG regulations regarding pedestrian  
184 pushbutton APS messages during flashing operation. Current pushbuttons or controllers are not  
185 capable of providing such messages. Hibbard moved and Jewell seconded the motion to  
186 approve. A vote was called, and the resolution approved by a vote of 39-1-0. The resolution is  
187 attached. (*Note: Chair Hawkins forwarded this resolution to FHWA and the Access Board after  
188 the meeting adjourned.*)

189 **MUTCD 12th Edition Planning**

190 Jonathan Upchurch presented an update on the working group developing a vision and plan for  
191 the 12th Edition of the MUTCD, which is attached.

192 **Edit Committee**

193 Edit Committee Chair Bill Lambert presented a report on committee activities. The committee  
194 met on Wednesday, January 10 with 11 members and 11 visitors. The committee identified no  
195 objectionable material in the 11th Edition of the MUTCD. Existing task forces were re-  
196 established with new members, and the chair notes it is a challenge to replace the output of Jim  
197 Pline.

198 **Research Committee**

199 Vice Chair of Research and Research Committee Chair Bryan Katz presented a report on  
200 committee activities. The committee met on Thursday, January 11 with 14 members and 23  
201 visitors. A summary of the research process was presented and technical committee  
202 representatives were updated on deadlines for problem statements by various funding  
203 organizations. The committee received information on the proposed revisions to the bylaws and  
204 operating procedures. There was an update on the TCD Pooled Fund Study, and an update on  
205 the Journal of TCD Research, encouraging additional submissions so that the next issue can be  
206 released.

207 **Regulatory and Warning Sign Technical Committee**

208 RWSTC Chair Tom Heydel presented a report on committee activities. The committee met on  
209 Wednesday, January 10 with 29 members and 15 visitors, and on Thursday, January 11 with 30  
210 members and 7 visitors. The committee identified no objectionable material in the 11th Edition of  
211 the MUTCD. Several new task forces were created to address committee priorities. There was  
212 an update on the TCD Pooled Fund Study and from FHWA on the 11th Edition. The Bicycle TC  
213 presented a proposed W6-3a two-way traffic sign, which the committee concurred with.

214 **Guide and Motorist Information Sign Technical Committee**

215 GMITC Vice Chair Jason Hyatt presented a report on committee activities. The committee met  
216 on Wednesday, January 10 with 28 members and 11 visitors, and on Thursday, January 11 with  
217 28 members and 10 visitors. The committee identified no objectionable material in the 11th  
218 Edition of the MUTCD, although there was some discussion of several items of new content.  
219 There was an update from FHWA on the 11th Edition. RWSTC presented on a proposal for  
220 signing for non-traditional vehicles. The committee began compiling a list of errors and technical  
221 corrections for the 11th Edition.

222 **Markings Technical Committee**

223 Markings TC Chair Jody Colvin presented a report on committee activities. The committee met  
224 on Wednesday, January 10 with 31 members and 16 visitors, and on Thursday, January 11 with  
225 31 members and 13 visitors. The committee identified no objectionable material in the 11th  
226 Edition of the MUTCD. The committee reviewed status reports and new task force assignments,  
227 and will review Part 3 for errors and technical corrections.

228 **Temporary Traffic Control Technical Committee**

229 TTC Chair Neil Boudreau presented a report on committee activities. The committee met on  
230 Wednesday, January 10 with 39 members and 12 visitors, and on Thursday, January 11 with 40  
231 members and 9 visitors. The committee identified no objectionable material in the 11th Edition of  
232 the MUTCD, but task forces did identify a number of items warranting technical corrections. The  
233 committee updated its task forces in light of the Bylaws & Operating Procedures, and has  
234 several pending proposals which will be updated to modify the 11th Edition.

235 **Railroad and Light Rail Technical Committee**

236 RRLRT Chair Rick Campbell presented a report on committee activities. The committee met on  
237 Wednesday, January 10 with 42 members and 4 visitors, and on Thursday, January 11 with 41  
238 members and 5 visitors. The committee identified no objectionable material in the 11th Edition of  
239 the MUTCD. There was an update from FHWA on the 11th Edition, and from FRA on recent  
240 actions. The committee received reports from task forces and joint task forces, and began  
241 review of 11th Edition content.

242 **Bicycle Technical Committee**

243 BTC Chair Bill DeSantis presented a report on committee activities. The committee met on  
244 Wednesday, January 10 with 27 members and 8 visitors, and on Thursday, January 11 with 28  
245 members and 7 visitors. The committee identified no objectionable material in the 11th Edition of  
246 the MUTCD. There was an update from FHWA on the 11th Edition, and a presentation from  
247 RWSTC on signing for non-traditional vehicles. The committee reviewed Part 9 of the 11th  
248 Edition and began developing a list of technical corrections and proposals. The committee may  
249 seek a Request for Interpretation from FHWA for one item related to the definition of a bicycle  
250 lane.

251 **Pedestrian Joint Task Force**

252 Pedestrian JTF Chair Randy McCourt presented a report on committee activities. The joint task  
253 force met on Wednesday, January 10 with 16 members and 52 visitors. The joint task force  
254 identified no objectionable material in the 11th Edition of the MUTCD, but issues for future  
255 action were identified. There was an update on the TCD Pooled Fund Study. One future action  
256 item may involve speed limits and pedestrians.

257 **Roundabout Joint Task Force**

258 Roundabout JTF Chair Brian Walsh presented a report on committee activities. The joint task  
259 force met on Thursday, January 11 with 28 attendees. The joint task force identified no  
260 objectionable material in the 11th Edition of the MUTCD. The task force identified some  
261 roundabout-related recommendations by NCUTCD that were not included in the 11th Edition.  
262 There was a presentation on detectable indicators at roundabouts.

263 **Rules of the Road Joint Task Force**

264 ROR JTF Chair Ronnie Bell presented a report on committee activities. The ROR JTF did not  
265 meet at the Annual Meeting, but meets virtually on a monthly schedule. The joint task force  
266 identified no objectionable material in the 11th Edition of the MUTCD. The task force is working  
267 on identifying where the Rules of the Road may need to be modified to coordinate with the 11th  
268 Edition, and working with technical committees in case MUTCD changes are appropriate.

269 **Connected and Automated Vehicle Joint Task Force**

270 CAV JTF Chair Paul Carlson presented a report on committee activities. The joint task force met  
271 on Wednesday, January 10 with 50 attendees. The joint task force identified no objectionable  
272 material in the 11th Edition of the MUTCD. Roxane Mukai is the new vice chair of CAV JTF,  
273 and shared presiding duties. The task force received a presentation on how clarity and  
274 uniformity of TCDs impacts where experimental autonomous vehicles are deployed, including  
275 specific examples. The task force reviewed Part 5 of the 11th Edition and developed items for  
276 future actions.

277 **Closing Comments**

278 Chair Hawkins noted that the 11th Edition goes into effect as of Thursday, January 18. States  
279 have two years to adopt.

280  
281 There are many requests for meeting time and space for task forces at Annual and Midyear  
282 Meetings, which must be accommodated either on Wednesday mornings or Wednesday or  
283 Thursday evenings. Every technical committee, joint committee, and joint task force has a Zoom  
284 account for virtual meetings. These accounts can be used by committees and task forces to  
285 conduct business between in-person meetings, and have no limits on time and can



286 accommodate hundreds of attendees. In-person meetings should focus on final votes on  
287 material developed in virtual meetings.

288 **Adjournment**

289 There being no other business for the Council, Campbell moved and Clark seconded a motion  
290 to adjourn, which passed unanimously. The meeting was adjourned at 9:20 AM EST. Maximum  
291 session attendance for the day was estimated at 170.

292  
293 Respectfully submitted,

294  
295 Richard C. Moeur, PE  
296 Executive Secretary



# New Members January 2024

## Technical Members

### Name

Matthew Bolte

Alan El-Urfali

Justin Garrison

Jay Jackson

Sonya LaGrand

Eric Leaming

Matt Luker

James McGinnis

Fred Mills

Elliott Shepherd

Briana Weisgerber

### Organization

Railway Equipment Co.

HNTB

Oklahoma DOT

MBTA

DeIDOT

Oregon DOT

Utah DOT

Florida DOT

Houston Metro

FTA

WSDOT

### Tech Committee

Railroad & Lt Rail

Reg & Warn Sign

Railroad & Lt Rail

Signals

Reg & Warn Sign

Markings

Signals

Temporary TC

Railroad & Lt Rail

Railroad & Lt Rail

Bicycle

## Council Members

### Name

Paige Anderson

Nicholas Nene

### Organization

City of Pittsburgh PA

City of Huntsville AL

### Tech Committee

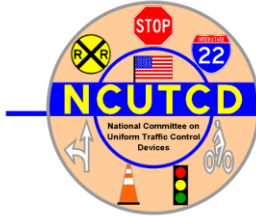
Markings

Reg & Warn Sign

### Sponsor

APBP

ITE



## National Committee on Uniform Traffic Control Devices

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### NCUTCD Resolution Regarding Final Rule for Section 4A.05

*Whereas*, The National Committee on Uniform Traffic Control Devices (NCUTCD) represents 21 sponsoring organizations representing a wide range of transportation stakeholders, and uses a strong consensus-building approach to develop recommendations for traffic control device standards and guides;

*Whereas*, The NCUTCD and its predecessor organizations have developed or contributed to 11 editions of the Manual on Uniform Traffic Control Devices (MUTCD);

*Whereas*, NCUTCD members represent a wide range of MUTCD users and road users, with a significant emphasis on involvement by volunteers representing public agencies responsible for implementing MUTCD content;

*Whereas*, The NCUTCD expresses its appreciation to FHWA for publishing the 11<sup>th</sup> edition of the MUTCD (2023 edition);

*Whereas*, The NCUTCD has reviewed the 11<sup>th</sup> edition of the MUTCD and identified content in the final rule that is not consistent with the Administrative Procedures Act (APA) and that should be immediately addressed in a revised final rule;

*Whereas*, The Notice of Proposed Amendments (NPA) item 384 included a new Standard with a proposed meaning for a flashing YELLOW BICYCLE signal indication in Section 4A.05 paragraph 01 E;

*Whereas*, The Supplemental Summary of Final Rule Dispositions indicated that the proposed addition of Section 4A.05 Meanings of Bicycle Symbol Signal Indications (item 384) was "...adopted as proposed";

*Whereas*, The proposed text in the Final Rule for paragraph 01 E in Section 4A.05 was not "...adopted as proposed" but was replaced with the significantly more restrictive "A flashing YELLOW BICYCLE signal indication has no meaning and shall not be used";

*Whereas*, The prohibition listed in Section 4A.05 paragraph 01 E conflicts with at least the following two sections:

- Section 4H.05 paragraph 03 – (Guidance) “When a traffic control signal is operated in the flashing mode, bicycle signal faces should display a flashing YELLOW BICYCLE signal indication if the other vehicular signal faces for the through lanes on the same approach are displaying flashing yellow signal indications unless it is determined by engineering judgment that a flashing RED BICYCLE signal indication would provide a safer operation.”
- Section 4G.03 paragraph 08 – (Standard) – “All signal faces that are flashed on an approach shall flash the same color, either yellow or red ...”

*Whereas*, The NCUTCD recommends that the text proposed in the NPA for Section 4A.05 paragraph 01 E be established as the meaning of a flashing YELLOW BICYCLE signal indication;

*Resolved*, That the NCUTCD recommends the FHWA issue a revised final rule for the 11<sup>th</sup> edition of the MUTCD revising the MUTCD as shown in the attachment.

*Be it Further Resolved*, That the NCUTCD recommends such revised final rule for the 11<sup>th</sup> edition of the MUTCD be published immediately.

Approved by the NCUTCD on January 12, 2024.

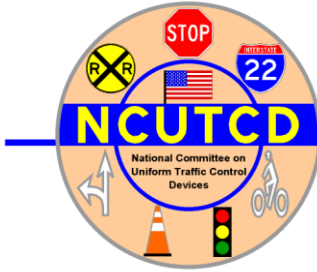
  
Gene Hawkins, NCUTCD Chair

**NCUTCD Attachment for Section 4#.05**  
**Recommended Change to the 11<sup>th</sup> Edition of the MUTCD Final Rule**

**Section 4A.05 Meanings of Bicycle Symbol Signal Indications**

~~**E. A flashing YELLOW BICYCLE signal indication has no meaning and shall not be used.**~~

**E. Bicyclists facing a flashing YELLOW BICYCLE signal indication are permitted to cautiously enter the intersection only to make the movement indicated by the lane-use arrow(s) displayed on the Bicycle Signal sign (see Section 9B.22) that is located immediately adjacent to the signal face. Bicyclists proceeding into the intersection during the display of the flashing YELLOW BICYCLE signal indication shall yield the right-of-way to pedestrians lawfully within an associated crosswalk, and to other vehicles lawfully within the intersection.**



# National Committee on Uniform Traffic Control Devices

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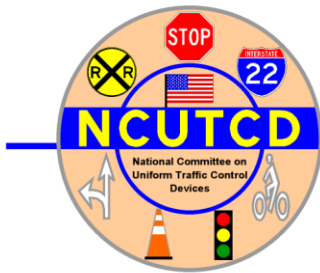
E-mail: [secretary@ncutcd.org](mailto:secretary@ncutcd.org) Website: <https://ncutcd.org>

## NCUTCD Resolution Regarding Incorporation of PROWAG into the MUTCD

- Whereas*, The National Committee on Uniform Traffic Control Devices (NCUTCD) represents 21 sponsoring organizations representing a wide range of transportation stakeholders, and uses a strong consensus-building approach to develop recommendations for traffic control device standards and guides;
- Whereas*, The NCUTCD and its predecessor organizations have developed or contributed to 11 editions of the Manual on Uniform Traffic Control Devices (MUTCD);
- Whereas*, NCUTCD members represent a wide range of MUTCD users and road users, with a significant emphasis on involvement by volunteers representing public agencies responsible for implementing MUTCD content;
- Whereas*, PROWAG R307.8.4 requires that when a traffic signal is in the flashing mode of operation, pedestrian locator tones remain active, and the pedestrian pushbutton activates a speech message communicating the operating mode of the traffic control signal;
- Whereas*, This requirement did not appear in any version of PROWAG that was available for public comment, the NCUTCD had no opportunity to comment on this new standard;
- Whereas*, None of the accessible pedestrian signal (APS) manufacturers or traffic signal controller manufacturers manufacture equipment are capable of meeting this requirement;
- Whereas*, Both the 2009 MUTCD and the MUTCD 11<sup>th</sup> edition require that “Pushbutton locator tones shall be deactivated when the traffic control signal or pedestrian hybrid beacon is operating in a flashing mode, that is, when no information is provided by the pedestrian signal head, which is dark;”
- Whereas*, PROWAG does not specify what message shall be transmitted from the APS devices when the signal is flashing, thereby making it unlikely that messages determined by jurisdictions will be consistent, which undermines the idea and principle of “Uniformity” foundational to the Manual on Uniform Traffic Control Devices;
- Whereas*, There is precedent for the Access Board to suspend ADAAG provisions (1994 suspension of the requirement for detectable warnings to be placed on the full surface of curb ramps);
- Resolved*, That the NCUTCD encourages the US Access Board to suspend PROWAG R307.8.4, pending further research which would then direct any appropriate technical development.

Approved by the NCUTCD on January 12, 2024.

Gene Hawkins, NCUTCD Chair



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

## NCUTCD Resolution Rescinding Prior Recommendations

- Whereas,* The National Committee on Uniform Traffic Control Devices (NCUTCD) represents 21 sponsoring organizations representing a wide range of transportation stakeholders, and uses a strong consensus-building approach to develop recommendations for traffic control device standards and guides;
- Whereas,* The NCUTCD and its predecessor organizations have developed or contributed to 11 editions of the Manual on Uniform Traffic Control Devices (MUTCD);
- Whereas,* The NCUTCD expresses its appreciation to FHWA for publishing the 11th edition of the MUTCD (2023 edition);
- Whereas,* The NCUTCD approved many recommended changes to the 2003 and 2009 MUTCDs;
- Whereas,* These recommended changes remain available on the NCUTCD website;
- Whereas,* The NCUTCD desires to eliminate conflicts between previously approved recommended changes and any recommended changes to the 11th edition of the MUTCD;
- Resolved,* That the NCUTCD rescinds all prior recommended changes to the MUTCD;
- Be it Further Resolved,* That the only valid NCUTCD recommended changes to the MUTCD are those recommended changes approved at or after the January 2024 Annual Meeting.

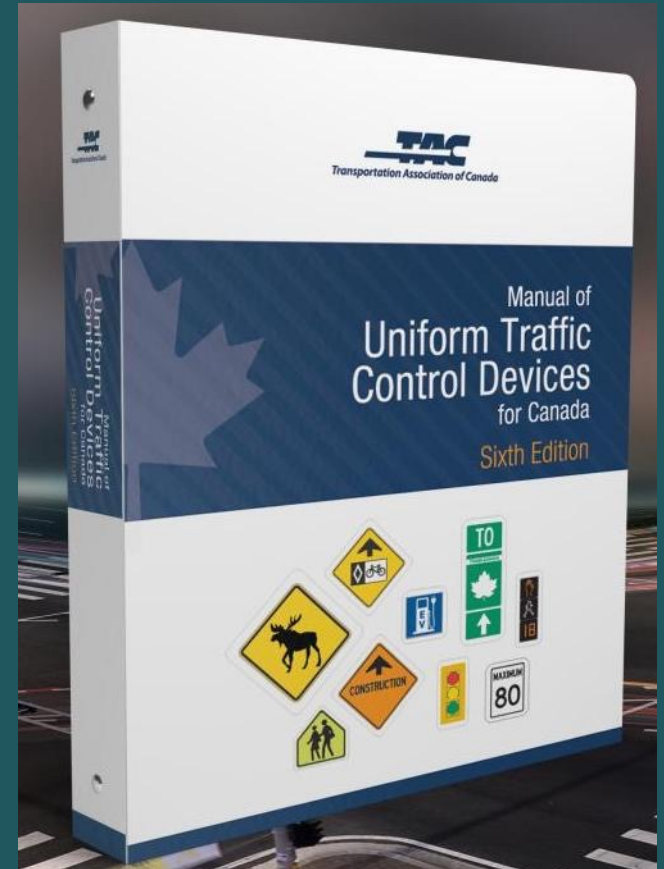
Approved by the NCUTCD on January 12, 2024.

Gene Hawkins, NCUTCD Chair

# Activities of the Canadian Traffic Operations & Management Committee (TOMC)

## January 2024 Update

W. Scott Wainwright, P.E., PTOE  
Proprietor  
Wainwright Traffic Consulting Services, LLC  
(FHWA Retired)



# **TOMC Meeting Fall 2023**

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- **Ottawa, Ontario – Sept. 22-23, 2023**
- **Attended by Scott Wainwright & Nicole Jackson**
- **Reported on NCUTCD activities**
- **June 2025 NCUTCD meeting – Detroit (tentative location) – possible TOMC interest**



# Top Current Issues for TOMC

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- **Comprehension testing – problems with the process**
- **Non-Standard (Decorative) X-walk Markings – still awaiting FHWA study results**
- **“EARL”**



**EARL™ ,  
24/7 TRAFFIC OFFICER**

# Next Meetings of TOMC

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- **April 2023 – Virtual**
- **September 2023 – in-person – Vancouver, BC**





**Thank You...**

**[wainwright.tcds@gmail.com](mailto:wainwright.tcds@gmail.com)**



# FHWA REPORT

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## ANNUAL MEETING National Committee on Uniform Traffic Control Devices



U.S. Department  
of Transportation  
**Federal Highway  
Administration**

Presented by  
**Kevin J. Sylvester, P.E., PTOE**  
FHWA Office of  
Transportation Operations  
January 11, 2024



## FHWA's Traffic Control Devices Team

<b>Kevin J. Sylvester P.E., PTOE</b> Team Leader	<b>Duane Thomas, P.E.</b> Highway Traffic Signals, Rail/Light-Rail Transit
<b>S. Usman Ali, P.E., PTOE, RSP</b> Traffic Control for Automated Vehicles, Standard Highway Signs	<b>Ashley Timm, P.E.</b> <b>NEW</b> Pavement Markings, Standard Highway Signs
<b>Marty Calawa, P.E.</b> Regulatory & Rulemakings Management, General (Part 1)	<b>Toni Whitfield, P.E.</b> General Info & Motorist Services Signs, Changeable Message Signs
<b>J. Eric Ferron, P.E.</b> Temporary Traffic Control	<b>Matt Zeller, P.E.</b> Regulatory & Warning Signs, School Zones
<b>Dean Mentjes, P.E.</b> Outreach & Training Coordination, Bicycle Facilities, Vulnerable Users	<b>Adison Zoretic, P.E., PTOE</b> Pooled-Fund Study, Guide & Managed Lane Signs, Standard Highway Signs



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contact us...24/7/365

[mutcd.fhwa.dot.gov](http://mutcd.fhwa.dot.gov)



# MUTCD 11TH EDITION

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## Background

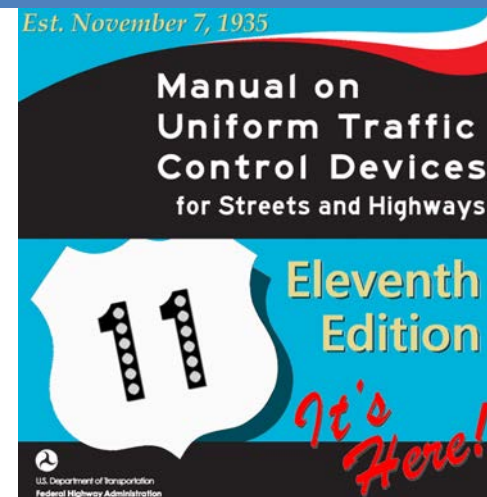


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## MUTCD 11th Edition: Background

- ▶ Final Rule published Dec. 19, 2023
- ▶ Becomes **effective Jan. 18, 2024**
- ▶ Must adopt within 2 years of effective date
- ▶ **6 Compliance Dates (see Table 1B-1)**
  - ▷ 5 new + 1 existing from previous rulemaking
  - ▷ Specific paragraph(s) noted where applicable
  - ▷ Compliance dates are from effective date of National MUTCD
- ▶ Rulemaking designated “**significant**”







# OVERVIEW OF MUTCD 11TH EDITION

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## Final Rule

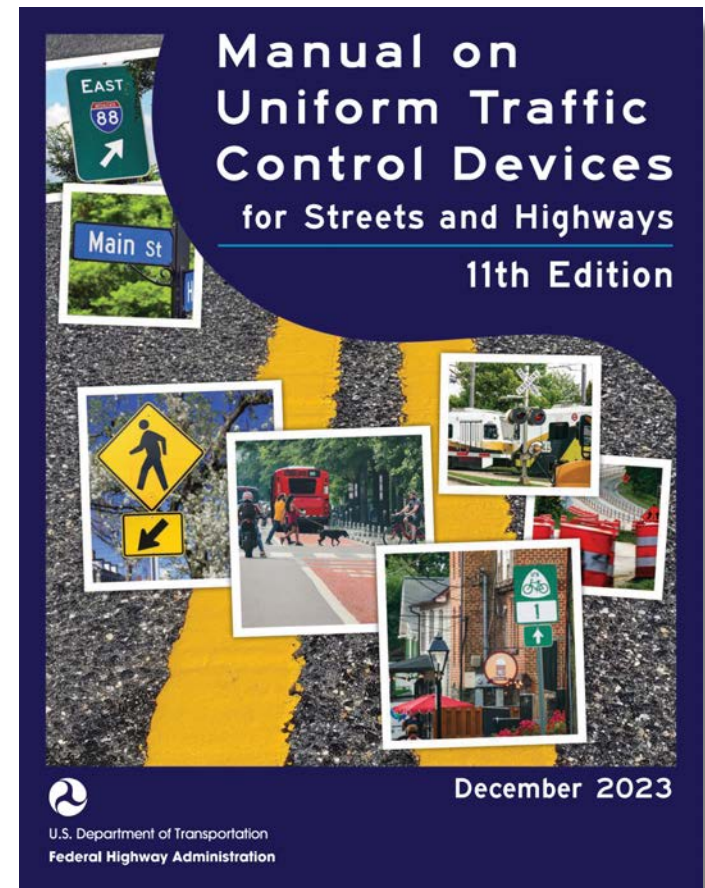


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## Overview of Final Rule

- ▶ *Federal Register* Notice
- ▶ Supporting Documents
- ▶ State Adoption
- ▶ Substantial Conformance of State documents



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## *Federal Register Notice*

- ▶ Structure differs from previous rulemakings
  - ▷ **Preamble** covers high-interest topics
    - ▷ Not full list and narrative for every change (there were nearly 650 items in the NPA Preamble)
  - ▷ **Supporting Documents** cover other changes
    - ▷ Placed in the public docket
  - ▷ *Federal Register* notice and Supporting Documents linked from MUTCD Web site



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## Final Rule Supporting Documents

- ▶ Posted in the **rulemaking docket**
  - ▷ Disposition Matrix
    - ▷ Final disposition of each proposed change in the NPA
  - ▷ Redline Mark-up
    - ▷ Changes from 10th Edition (2009)
  - ▷ Regulatory Impact Assessment
    - ▷ Economic analysis
  
- ▶ Supporting Documents are informational
  - ▷ MUTCD provisions take precedence



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# Final Rule Supporting Documents

▶ Posted in the **rulemaking docket**

**FEDERAL REGISTER**  
The Daily Journal of the United States Government

Rule

**National Standards for Traffic Control Devices; the Manual on Uniform Traffic Control Devices for Streets and Highways; Revision**

A Rule by the Federal Highway Administration on 12/19/2023

**PUBLISHED DOCUMENT**

**AGENCY:**  
Federal Highway Administration (FHWA), U.S. Department of Transportation (DOT).

**ACTION:**  
Final rule.

**SUMMARY:**  
The Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD) (also referred to as "the Manual") is incorporated by reference within

**DOCUMENT DETAILS**

**Printed version:**  
PDF

**Publication Date:**  
12/19/2023

**Agencies:**  
Department of Transportation  
Federal Highway Administration

**Dates:**  
Effective on January 18, 2024.  
The incorporation by reference of the publication listed in the rule is approved by the Director of the Office of the Federal

**ENHANCED CONTENT**

regulations.gov

**National Standards for Traffic Control Devices; the Manual on Uniform Traffic Control Devices for Streets and Highways; Revision**

FHWA-2020-0001

Supporting Documents:

- Assessment of Economic Impacts of Amendment to the Manual on Uniform Traffic...
- 2009 MUTCD Text Redline with 11th Edition Changes
- MUTCD 11th Edition Supplemental Summary of Dispositions for Final Rule Changes
- Manual on Uniform Traffic Control Devices 2023



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# Final Rule Supporting Documents

## ► Disposition Matrix

- Final disposition of each proposed change in NPA
- Describes changes resulting from comments where relevant

MUTCD 11th Edition		Supplemental Summary of Final Rule Dispositions
NPA Item No.	NPA Proposal Description or Final Rule Section Reference	Disposition for Final Rule
56	FHWA proposes to add a new section numbered and titled, "Section 2B.10 Yield Control," consisting of some text relocated from existing Sections 2B.06 and 2B.09, plus new Guidance paragraphs regarding the use of YIELD signs to control an intersection. FHWA proposes this change to combine information regarding yield control in one location.	The changes are adopted as proposed except that, in the last Guidance statement, the parenthetical sentence following the first sentence is removed because it is a Support sentence that is not needed. Also, in item F of P2 the phrase "combined vehicular, bicycle, and pedestrian" is inserted before "entering intersection volume" for clarification.
57	FHWA proposes to add a new section numbered and titled, "Section 2B.11 Minor Road Stop Control," consisting of one paragraph relocated from existing Section 2B.06, plus proposed new Guidance paragraphs regarding stop control on the minor road approach only. FHWA proposes this new section to provide information specific to the use of stop control on a minor approach.	The changes are adopted as proposed. It is noted that some commenters opposed the changes in this section to the crash criteria; however, these provisions are adopted as they were the result of NCHRP Project 03-109. Further, this Section contains guidance that should be considered by practitioners based on engineering judgment. The consideration of other factors should be based on engineering reasons.
58	FHWA proposes to add a new section numbered and titled, "Section 2B.12 All-Way Stop Control," consisting of one paragraph relocated from existing Section 2B.07 and proposed new Guidance and Standard paragraphs regarding warrants for all-way stop control. FHWA proposes this new section to clarify the application of all-way stop control and provide an introduction to the proposed new sections (Sections 2B.13 through 2B.17) related to all-way stop control warrants.	The changes are adopted as proposed. Also, an introductory Support sentence is added to allow the use of engineering judgment in making a decision to use all-way stop control on roadways open to public travel, speeds and unique conditions of roadways. A commenter recommended examination of warrant criteria thru 2B.17, as well as other criteria and traffic signals update them to more current and consistent. Such re-examination will be considered.
59	FHWA proposes to add a new section numbered and titled, "Section 2B.13 All-Way Stop Control Warrant A: Crash Experience," consisting of one proposed new Option paragraph regarding the selection considerations for all-way stop control based on crash experience.	The changes are adopted as proposed. It is exclusive of Warrant B in Section 2B.13. Many commenters opposed the changes in crash history to warrant Stop control, in this section and also in Section 2B.11. Many of the commenters want there to be no crash history

MUTCD 11th Edition		Supplemental Summary of Final Rule Dispositions
NPA Item No.	NPA Proposal Description or Final Rule Section Reference	Disposition for Final Rule
56	FHWA proposes to add a new section numbered and titled, "Section 2B.10 Yield Control," consisting of some text relocated from existing Sections 2B.06 and 2B.09, plus new Guidance paragraphs regarding the use of YIELD signs to control an intersection. FHWA	The changes are adopted as proposed except that, in the last Guidance statement, the parenthetical sentence following the first sentence is removed because it is a Support sentence that is not needed. Also, in item F of P2 the phrase "combined



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## The MUTCD

- ▶ Where is it?
  - ▷ The **official MUTCD PDF** is on the MUTCD Web site
  - ▷ The official MUTCD is provided **only in PDF**
    - ▷ There is no companion HTML version
    - ▷ “Hotlinked” PDF to come in future
  - ▷ FHWA **does not print** the MUTCD
    - ▷ Other organizations planning to print copies for purchase



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# STATE ADOPTION and SUBSTANTIAL CONFORMANCE



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## State Adoption of the New MUTCD

- ▶ Within **2 years** of Effective Date
- ▶ States must adopt
  - ▷ **National MUTCD**
    - OR -
  - ▷ **National MUTCD + State Supplement \***
    - OR -
  - ▷ **State MUTCD \***

**\*** State Supplements and State MUTCDs  
must be in **Substantial Conformance**  
w/ the National MUTCD



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## Substantial Conformance

- ▶ What is it?
  - ▷ Accommodates **pre-existing State laws**
  - ▷ Ensures **consistency** w/ national standards
  - ▷ Provides States ability to **specify their allowable practices**, tailor to unique geographical/ regional conditions (based on what National MUTCD allows)
  - ▷ Codified in regulation at **23 CFR 655.603(b)**



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## Substantial Conformance

- ▶ What does it mean?
  - ▷ Mandate levels in State documents must be at least same levels as National MUTCD
  - ▷ All **Standard** provisions in National MUTCD **must be Standard** in State MUTCD or Supplement
  - ▷ All **Guidance** provisions in National MUTCD **must be at least Guidance** in State MUTCD or Supplement

(No, you can't add an Option that negates a Standard!)



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## Substantial Conformance

- ▶ What does it mean?
  - ▷ Mandate levels in State documents must be at least same levels as National MUTCD

<u>National MUTCD</u>	<u>State MUTCD or Supplement</u>
Standard.....	Standard
Guidance.....	Guidance or Standard
Option.....	Option, Guidance, Standard, or deleted



## Substantial Conformance

- ▶ How does it work?
  - ▷ Applies if a State does not adopt National MUTCD
  - ▷ FHWA Division Administrator must approve State MUTCD or Supplement **within the 2-year adoption period**
  - ▷ 2 years from Effective Date of National MUTCD
  
- ▶ Is that all?
  - ▷ Also applies to **other State documents** (policies, directives, manuals, specifications, etc.) on TCDs
  - ▷ Divisions will review for consistency





# A LOOK AHEAD

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## Future Revisions ... and More



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## What's to come?

### ▶ Public Webinars

- ▶ Starting Feb. 2024
  - ▶ Series of live Topical presentations on final rule
  - ▶ Similar in structure to NPA Webinars
  - ▶ Monthly
  - ▶ Recordings to be available on MUTCD Web site

### ▶ Informational and Training Aids

- ▶ March 2024
  - ▶ Slideshow of major changes
  - ▶ To be available on MUTCD Web site



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## What's to come?

### ▶ MUTCD Origin Files

- ▶ Late Jan. 2024
  - ▶ Word format of regulatory text
  - ▶ “Native” files of Figures, Tables
- ▶ Will be available through FHWA Division contacts on request



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## What's to come?

- ▶ *Standard Highway Signs*
  - ▷ Phased release
  - ▷ Fabrication details
    - ▷ March 2024
  - ▷ Design Guidelines
    - ▷ Late Spring 2024
  - ▷ Electronic fabrication files
    - ▷ Summer 2024
  - ▷ To be available on MUTCD Web site



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## What's to come?

- ▶ Experimentation Guidelines
  - ▷ Technical aid to MUTCD regulatory provisions
  - ▷ Expected release Late 2024
  - ▷ To be available on MUTCD Web site



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## What's to come?

- ▶ Speed Limit Setting Guidelines
  - ▷ Primary focus on engineering study
  - ▷ How different factors might be applied
  - ▷ Context-specific, different situations
  - ▷ Expected release Late 2024



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## What's to come?

### ▶ Microlearning Videos

- ▶ High-level in scope
- ▶ Overviews of select topics of interest
- ▶ For less technical audiences
- ▶ Phased release starting Spring 2024
- ▶ To be available on MUTCD Web site



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## What's to come?

### ▶ MUTCD Revisions

#### ▷ PROWAG

- ▷ Timing depends on USDOT and USDOJ rulemakings
- ▷ Issue NPA for public comment (after USDOT final rule)

#### ▷ Other Revisions and/or 12th Edition

- ▷ Public comments from 11th Ed. NPA will help inform scope and plan



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# LAST WORDS

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## Basics



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## Basics

- ▶ What makes for an **Effective** Traffic Control Device?
  - ☑ Fulfills a **need**
  - ☑ Conveys a **clear, simple** message
  - ☑ Commands **attention**
  - ☑ Commands **respect**
  - ☑ Provides **time** for adequate response



# FHWA's National Traffic Control Devices Program



for more information

[mutcd.fhwa.dot.gov](http://mutcd.fhwa.dot.gov)

- ☑ e-Subscribe Service
- ☑ Official Rulings Database
- ☑ *Standard Highway Signs*
- ☑ FAQ
- ☑ MUTCD News Feed



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Since  
1935

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**MUTCD** \ 'em-yü- , tē-sē-dē\ <sup>1</sup> n (ca. 1935): the national standard for traffic control devices on all roads open to public travel in the United States.

<sup>1</sup> Not \ 'myüt-sid\, \ 'mæt-sid\, or \ 'mæt-kid\.

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**Safety**

## Section 1A.01 Purpose of the MUTCD

### Support:

- 01 The purpose of the MUTCD is to establish uniform national criteria for the use of traffic control devices that meet the needs and expectancy of road users on all streets, highways, pedestrian and bicycle facilities, and site roadways open to public travel.
- 02 This purpose is achieved through the following objectives:
  - A. **Promote safety**, inclusion, and mobility for all users of the road network;
  - B. Promote efficiency through creating national uniformity in the meaning and appearance of traffic control devices;
  - C. Promote national consistency in the use, installation, and operation of traffic control devices; and
  - D. Provide basic principles for traffic engineers to use in making decisions regarding the use, installation, operation, maintenance, and removal of traffic control devices.

# Canadian MUTCD

- **Part 1—Safety Effects of Traffic Control Devices**
  - **1.1 Overview**
  - **1.2 Measuring Safety**
  - **1.3 Safety Performance of Traffic Control Devices**
  - **1.4 Road Safety Management Program**
  - **1.5 Safety During the Life Cycle of a Traffic Control Device**

## Safety

Safety 157 → 178

Safe 26 → 34

Safely 4

Safer 4

Safeguard(s) 4