

2007 NOTICE OF PROPOSED AMENDMENTS
for the
MANUAL ON UNIFORM TRAFFIC CONTROL
DEVICES

MUTCD TEXT

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- 38 Section 9A.03 Definitions Relating to Bicycles
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- 41 Section 9A.06 Placement Authority
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- 1 Section 9B.04 Bike Lane Signs and Plaques (R3-17, R3-17aP, R3-17bP)
- 2 Section 9B.05 BEGIN RIGHT TURN LANE YIELD TO BIKES Sign (R4-4)
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- 5 3cP)
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- 7 Section 9B.09 Selective Exclusion Signs
- 8 Section 9B.10 No Parking Bike Lane Signs (R7-9, R7-9a)
- 9 Section 9B.11 Bicycle Regulatory Signs (R9-5, R9-6, R10-4, R10-24, R10-25, and R10-26)
- 10 Section 9B.12 Shared-Use Path Restriction Sign (R9-7)
- 11 Section 9B.13 Bicycle Signal Actuation Sign (R10-22)
- 12 Section 9B.14 Other Regulatory Signs
- 13 Section 9B.15 Turn or Curve Warning Signs (W1 Series)
- 14 Section 9B.16 Intersection Warning Signs (W2 Series)
- 15 Section 9B.17 Bicycle Surface Condition Warning Sign (W8-10)
- 16 Section 9B.18 Bicycle Warning and Combined Bicycle/Pedestrian Signs (W11-1 and W11-15)
- 17 Section 9B.19 Other Bicycle Warning Signs
- 18 Section 9B.20 Bicycle Guide Signs (D1-1b, D1-1c, D1-2b, D1-2c, D1-3b, D1-3c, D11-1, D11-1c)
- 19 Section 9B.21 Bicycle Route Signs (M1-8, M1-8a, M1-9)
- 20 Section 9B.22 Bicycle Route Sign Auxiliary Plaques
- 21 Section 9B.23 Bicycle Parking Area Sign (D4-3)
- 22 Section 9B.24 Reference Location Signs (D10-1 through D10-3) and Intermediate Reference
- 23 Location Signs (D10-1a through D10-3a)
- 24 Section 9B.25 Mode-Specific Guide Signs for Shared-Use Paths (D11-1a, D11-1b, D11-2, D11-
- 25 3, D11-4)
- 26 Section 9B.26 Object Markers

27 **CHAPTER 9C. MARKINGS**

- 28 Section 9C.01 Functions of Markings
- 29 Section 9C.02 General Principles
- 30 Section 9C.03 Marking Patterns and Colors on Shared-Use Paths
- 31 Section 9C.04 Markings For Bicycle Lanes
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35 **CHAPTER 9D. SIGNALS**

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38 **PART 10. TRAFFIC CONTROLS FOR HIGHWAY-LIGHT RAIL TRANSIT**
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- 41 Section 10A.01 Introduction
- 42 Section 10A.02 Use of Standard Devices, Systems, and Practices
- 43 Section 10A.03 Uniform Provisions
- 44 Section 10A.04 Highway-Light Rail Transit Grade Crossing Elimination
- 45 Section 10A.05 Illumination at Highway-Light Rail Transit Crossings
- 46 Section 10A.06 Temporary Traffic Control Zones

47 **CHAPTER 10B. HIGHWAY-LIGHT RAIL TRANSIT GRADE CROSSING**
 48 **CONTROL SYSTEMS**

1 **Section 10B.01 Introduction**

2 **CHAPTER 10C. SIGNS AND MARKINGS**

3 **Section 10C.01 Purpose**

4 **Section 10C.02 Use of Crossbuck Assemblies at Passive Highway-Light Rail Transit Grade**
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8 **Highway-Light Rail Transit Grade Crossings**

9 **Section 10C.05 DO NOT STOP ON TRACKS Sign (R8-8)**

10 **Section 10C.06 TRACKS OUT OF SERVICE Sign (R8-9)**

11 **Section 10C.07 STOP HERE WHEN FLASHING Sign (R8-10, R8-10a)**

12 **Section 10C.08 STOP HERE ON RED Sign (R10-6, R10-6a)**

13 **Section 10C.09 Light Rail Transit-Activated Blank-Out Turn Prohibition Signs (R3-1a, R3-2a)**

14 **Section 10C.10 EXEMPT Highway-Rail Grade Crossing Plaques (R15-3P, W10-1aP)**

15 **Section 10C.11 Divided Highway with Light Rail Transit Crossing Signs (R15-7 Series)**

16 **Section 10C.12 No Vehicles On Tracks Signs (R15-6, R15-6a)**

17 **Section 10C.13 Light Rail Transit Only Lane Signs (R15-4 Series)**

18 **Section 10C.14 Do Not Pass Light Rail Transit Signs (R15-5, R15-5a)**

19 **Section 10C.15 Highway-Rail Grade Crossing Advance Warning Signs (W10 Series)**

20 **Section 10C.16 Low Ground Clearance Highway-Rail Grade Crossing Sign (W10-5)**

21 **Section 10C.17 Light Rail Transit Approaching-Activated Blank-Out Warning Sign (W10-7)**

22 **Section 10C.18 Storage Space Signs (W10-11, W10-11a, W10-11b)**

23 **Section 10C.19 Skewed Crossing Sign (W10-12)**

24 **Section 10C.20 Light Rail Transit Station Sign (I-12)**

25 **Section 10C.21 Emergency Notification Sign (I-13)**

26 **Section 10C.22 Pavement Markings**

27 **Section 10C.23 Stop Lines**

28 **Section 10C.24 Dynamic Envelope Markings**

29 **CHAPTER 10D. HIGHWAY-LIGHT RAIL TRANSIT ACTIVE TRAFFIC**
30 **CONTROL GRADE CROSSING SYSTEMS**

31 **Section 10D.01 Introduction**

32 **Section 10D.02 Flashing-Light Signals**

33 **Section 10D.03 Automatic Gates**

34 **Section 10D.04 Four-Quadrant Gate Systems**

35 **Section 10D.05 Wayside Horn Systems**

36 **Section 10D.06 Traffic Control Signals**

37 **Section 10D.07 Highway Traffic Signal Preemption Turning Restrictions**

38 **Section 10D.08 Use of Traffic Control Signals for Control of Light Rail Transit Vehicles at**
39 **Grade Crossings**

40 **Section 10D.09 Pedestrian and Bicycle Signals and Crossings**

41 **Section 10D.10 Highway-Light Rail Transit Grade Crossing(s) Within or In Close Proximity**
42 **to Roundabouts, Traffic Circles, or Circular Intersections**

43 **CHAPTER 10E. QUIET ZONE TREATMENTS AT HIGHWAY-LIGHT RAIL**
44 **TRANSIT GRADE CROSSINGS**

45 **Section 10E.01 Introduction**

46 **CHAPTER 10F. PATHWAY-LIGHT RAIL TRANSIT GRADE CROSSINGS**

47 **Section 10F.01 Purpose**

48 **Section 10F.02 Use of Standard Devices, Systems, and Practices**

49 **Section 10F.03 Pathway-Light Rail Transit Grade Crossing Signs and Markings**

50 **Section 10F.04 Stop Lines and Detectable Warnings**

1 **Section 10F.05 Passive Devices for Pathway-Light Rail Transit Grade Crossings**
2 **Section 10F.06 Active Traffic Control Systems for Pathway-Light Rail Transit Grade**
3 **Crossings**

4 **APPENDIX A1. CONGRESSIONAL LEGISLATION**
5

1 The Manual on Uniform Traffic Control Devices (MUTCD) is approved by the Federal Highway
2 Administrator as the National Standard in accordance with Title 23 U.S. Code, Sections 109(d), 114(a), 217,
3 315, and 402(a), 23 CFR 655, and 49 CFR 1.48(b)(8), 1.48(b)(33), and 1.48(c)(2).
4

5 Addresses for Publications Referenced in the MUTCD
6

7 AAA
8 1000 AAA Drive
9 Heathrow, FL 32746
10 www.aaa.biz
11

12 American Association of State Highway and Transportation Officials (AASHTO)
13 444 North Capitol Street, NW, Suite 249
14 Washington, DC 20001
15 www.transportation.org
16

17 American National Standards Institute (ANSI)
18 1819 L Street, NW, 6th Floor
19 Washington, DC 20036
20 www.ansi.org
21

22 American Railway Engineering and Maintenance-of-Way Association (AREMA)
23 8201 Corporate Drive, Suite 1125
24 Landover, MD 20785-2230
25 www.arena.org
26

27 Federal Highway Administration Report Center
28 Facsimile number: 301.577.1421
29 report.center@fhwa.dot.gov
30

31 Illuminating Engineering Society (IES)
32 120 Wall Street, Floor 17
33 New York, NY 10005
34 www.iesna.org
35

36 Institute of Makers of Explosives
37 1120 19th Street, NW, Suite 310
38 Washington, DC 20036-3605
39 www.ime.org
40

41 Institute of Transportation Engineers (ITE)
42 1099 14th Street, NW, Suite 300 West
43 Washington, DC 20005-3438
44 www.ite.org
45

46 International Organization for Standards
47 c/o Mr. Gerard Kuso
48 Austrian Standards Institute
49 Heinestrabe 38
50 Postfach 130
51 A-1021
52 Wien, Austria
53 www.iso.ch
54

55 International Safety Equipment Association (ISEA)
56 1901 North Moore Street, Suite 808
57 Arlington, VA 22209

1 www.safetyequipment.org
2
3 National Committee on Uniform Traffic Laws and Ordinances (NCUTLO)
4 107 South West Street, Suite 110
5 Alexandria, VA 22314
6 www.ncutlo.org
7
8 Occupational Safety and Health Administration (OSHA)
9 U.S. Department of Labor
10 200 Constitution Avenue, NW
11 Washington, DC 20210
12 www.osha.gov
13
14 Transportation Research Board (TRB)
15 The National Academies
16 2101 Constitution Avenue, NW
17 Washington, DC 20418
18 www.nas.edu/trb
19
20 U.S. Architectural and Transportation Barriers Compliance Board (The U.S. Access Board)
21 1331 F Street, NW, Suite 1000
22 Washington, DC 20004-1111
23 www.access-board.gov
24

25
26 Acknowledgments

27
28 The Federal Highway Administration gratefully acknowledges the valuable assistance that it received from the
29 National Committee on Uniform Traffic Control Devices and its over [250](#) voluntary members in the
30 development of this Manual.
31

MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

INTRODUCTION

Standard:

Traffic control devices shall be defined as all signs, signals, markings, and other devices used to regulate, warn, or guide traffic, placed on, over, or adjacent to a street, highway, pedestrian facility, bikeway, public facility, or private property open to public travel by authority of a public agency or official having jurisdiction.

The Manual on Uniform Traffic Control Devices (MUTCD) is incorporated by reference in 23 Code of Federal Regulations (CFR), Part 655, Subpart F and shall be recognized as the national standard for all traffic control devices installed on any street, highway, bikeway, public facility, or private property open to public travel in accordance with 23 U.S.C. 109(d) and 402(a). The policies and procedures of the Federal Highway Administration (FHWA) to obtain basic uniformity of traffic control devices shall be as described in 23 CFR 655, Subpart F.

In accordance with 23 CFR 655.603(a), for the purposes of applicability of the MUTCD, private property open to public travel shall include toll roads and roads within shopping centers, parking lot areas, airports, sports arenas, and other similar business and/or recreation facilities that are privately owned, but where the public is allowed to travel without access restrictions. Private gated properties where public access is restricted and private highway-rail grade crossings shall not be considered to be private property open to public travel.

Any traffic control device design or application provision contained in this Manual shall be considered to be in the public domain. Traffic control devices contained in this Manual shall not be protected by a patent, trademark, or copyright, except for the Interstate Shield and any items owned by FHWA.

Support:

The need for uniform standards was recognized long ago. The American Association of State Highway Officials (AASHO), now known as the American Association of State Highway and Transportation Officials (AASHTO), published a manual for rural highways in 1927, and the National Conference on Street and Highway Safety (NCSHS) published a manual for urban streets in 1930. In the early years, the necessity for unification of the standards applicable to the different classes of road and street systems was obvious. To meet this need, a joint committee of AASHO and NCSHS developed and published the original edition of this Manual on Uniform Traffic Control Devices (MUTCD) in 1935. That committee, now called the National Committee on Uniform Traffic Control Devices (NCUTCD), though changed from time to time in name, organization, and personnel, has been in continuous existence and has contributed to periodic revisions of this Manual. The FHWA has administered the MUTCD since the 1971 edition. The FHWA and its predecessor organizations have participated in the development and publishing of the previous editions. There were nine previous editions of the MUTCD, and several of those editions were revised one or more times. Table I-1 traces the evolution of the MUTCD, including the two manuals developed by AASHO and NCSHS.

Standard:

The U.S. Secretary of Transportation, under authority granted by the Highway Safety Act of 1966, decreed that traffic control devices on all streets and highways open to public travel in accordance with 23 U.S.C. 109(d) and 402(a) in each State shall be in substantial conformance with the Standards issued or endorsed by the FHWA.

Support:

The "Uniform Vehicle Code (UVC)" is one of the publications referenced in the MUTCD. The UVC contains a model set of motor vehicle codes and traffic laws for use throughout the United States.

Guidance:

The States should adopt Section 15-116 of the UVC, which states that, "No person shall install or maintain in any area of private property used by the public any sign, signal, marking, or other device intended to regulate, warn, or guide traffic unless it conforms with the State manual and specifications adopted under Section 15-104."

Support:

1 The Standard, Guidance, Option, and Support material described in this edition of the MUTCD provide
2 the transportation professional with the information needed to make appropriate decisions regarding the use of
3 traffic control devices on streets and highways.

4 Throughout this Manual the headings Standard, Guidance, Option, and Support are used to classify the
5 nature of the text that follows. Figures, tables, and illustrations, or certain items contained therein, supplement
6 the text and might constitute a Standard, Guidance, Option, or Support. The user needs to refer to the
7 appropriate text to classify the nature of the figure, table, illustration, or certain item contained therein.

8 **Standard:**

9 **When used in this Manual, the text headings shall be defined as follows:**

- 10 **1. Standard—a statement of required, mandatory, or specifically prohibitive practice regarding a**
11 **traffic control device. All Standard statements are labeled, and the text appears in bold type.**
12 **The verb “shall” is typically used. The verb “should” is not used in Standard statements.**
13 **Standard statements are sometimes modified by Options.**
- 14 **2. Guidance—a statement of recommended, but not mandatory, practice in typical situations, with**
15 **deviations allowed if engineering judgment or engineering study indicates the deviation to be**
16 **appropriate. All Guidance statements are labeled, and the text appears in unbold type. The**
17 **verb “should” is typically used. The verb “shall” is not used in Guidance statements. Guidance**
18 **statements are sometimes modified by Options.**
- 19 **3. Option—a statement of practice that is a permissive condition and carries no requirement or**
20 **recommendation. Option statements sometime contain allowable modifications to a Standard**
21 **or Guidance statement. All Option statements are labeled, and the text appears in unbold type.**
22 **The verb “may” is typically used. The verbs “shall” and “should” are not used in Option**
23 **statements.**
- 24 **4. Support—an informational statement that does not convey any degree of mandate,**
25 **recommendation, authorization, prohibition, or enforceable condition. Support statements are**
26 **labeled, and the text appears in unbold type. The verbs “shall,” “should,” and “may” are not**
27 **used in Support statements.**

28 **Support:**

29 Throughout this Manual all dimensions and distances are provided in the International System of Units, a
30 modernized version of the Metric system, and their English equivalent units are shown in parentheses.

31 **Guidance:**

32 Before laying out distances or determining sizes of devices, the public agency should decide whether to
33 use the International System of Units (Metric) or the English equivalent units. The chosen units should be
34 specified on plan drawings. The chosen unit of measurement should be made known to those responsible for
35 designing, installing, or maintaining traffic control devices.

36 Signs with Metric legends are shown in the figures that illustrate sign images only if the design of the sign
37 with Metric units differs from the design of the sign with English equivalent units in a manner that is in
38 addition to just the legend itself. If the only design difference between the Metric sign and the English sign is
39 the legend, only the English sign is illustrated.

40 Except when a specific numeral is required or recommended by the text of a Section of this Manual,
41 numerals displayed on the images of devices in the figures that specify quantities such as times, distances,
42 speed limits, and weights should be regarded as examples only. When installing any of these devices, the
43 numerals should be appropriately altered to fit the specific situation.

44 **Support:**

45 The following information will be useful when reference is being made to a specific portion of text in this
46 Manual.

47 There are ten Parts in this Manual and each Part is comprised of one or more Chapters. Each Chapter is
48 comprised of one or more Sections. Parts are given a numerical identification, such as Part 2 – Signs.
49 Chapters are identified by the Part number and a letter, such as Chapter 2B – Regulatory Signs. Sections are
50 identified by the Chapter number and letter followed by a decimal point and a number, such as Section 2B.03
51 – Size of Regulatory Signs.

52 Each Section is comprised of one or more paragraphs. The paragraphs are indented and are identified by
53 a number. Paragraphs are counted from the beginning of each Section without regard to the intervening text
54 headings (Standard, Guidance, Option, or Support). Some paragraphs have lettered or numbered items. As an

1 example of how to cite this Manual, the phrase “Not less than 12 m (40 ft) beyond the stop line” that appears
2 in Section 4D.14 of this Manual would be referenced in writing as “Section 4D.14, P1, A.1,” and would be
3 verbally referenced as “Item A.1 of Paragraph 1 of Section 4D.14.”

4 **Standard:**

5 **In accordance with 23 CFR 655.603(b)(3), States or other Federal agencies that have their own**
6 **MUTCDs or Supplements to the National MUTCD shall revise these MUTCDs or Supplements to be in**
7 **substantial conformance with changes to the National MUTCD within 2 years of the effective date of**
8 **the Final Rule for the changes. Substantial conformance of such State or other Federal agency**
9 **MUTCDs or Supplements shall be as defined in 23 CFR 655.603(b)(1). Unless a particular device is no**
10 **longer serviceable, non-compliant devices on existing highways and bikeways shall be brought into**
11 **compliance with the current edition of the National MUTCD as part of the systematic upgrading of**
12 **substandard traffic control devices (and installation of new required traffic control devices) required**
13 **pursuant to the Highway Safety Program, 23 U.S.C. § 402(a). In cases involving Federal-aid projects**
14 **for new highway or bikeway construction or reconstruction, the traffic control devices installed**
15 **(temporary or permanent) shall be in conformance with the most recent edition of the National**
16 **MUTCD before that highway is opened or re-opened to the public for unrestricted travel [23 CFR**
17 **655.603(d)(2) and 23 CFR 655.603(d)(3)]. The FHWA has the authority to establish other target**
18 **compliance dates for implementation of particular changes to the MUTCD [23 CFR 655.603(d)(1)].**
19 **These target compliance dates established by the FHWA shall be as follows:**

20 **Section 2A.06 Design of Signs—e-mail addresses prohibited on signs—10 years from the effective date**
21 **of the Final Rule for the 2009 MUTCD.**

22 **Section 2A.12 Symbols—use of symbols from one type of sign on a different type of sign—10 years**
23 **from the effective date of the Final Rule for the 2009 MUTCD.**

24 **Section 2A.13 Word Messages—ratio of letter height to legibility distance for sign letter sizes should be**
25 **based on 1:30 ratio—10 years from the effective date of the Final Rule for the 2009 MUTCD.**

26 **Section 2A.19 Lateral Offset—crashworthiness of sign supports—January 17, 2013 for roads with**
27 **posted speed limit of 80 km/h (50 mph) or higher.**

28 **Section 2B.03 Size of Regulatory Signs—increased sign sizes and other changes to Table 2B-1 in 2003**
29 **MUTCD—December 22, 2013.**

30 **Section 2B.03 Size of Regulatory Signs—increased sign sizes and other changes to Table 2B-1 in 2009**
31 **MUTCD—10 years from the effective date of the Final Rule for the 2009 MUTCD.**

32 **Section 2B.03 Size of Regulatory Signs—required sign sizes for multi-lane roadways in new Table 2B-2**
33 **in 2009 MUTCD—10 years from the effective date of the Final Rule for the 2009 MUTCD.**

34 **Section 2B.09 YIELD Sign Applications—changes in YIELD sign application criteria from the 1988**
35 **MUTCD—January 17, 2011.**

36 **Section 2B.10 STOP sign or YIELD Sign Placement—prohibition of items on back of STOP or YIELD**
37 **signs and Guidance on other signs back-to-back with STOP or YIELD signs not obscuring shape**
38 **and deletion of exception for DO NOT ENTER signs—10 years from the effective date of the Final**
39 **Rule for the 2009 MUTCD.**

40 **Section 2B.11 Yield Here To Pedestrians Signs and Stop Here For Pedestrians Signs (R1-5 Series)—**
41 **new Section in 2003 MUTCD—December 22, 2013.**

42 **Section 2B.12 In-Street and Overhead Pedestrian Crossing Signs (R1-6, R1-6a, R1-9, and R1-9a)—new**
43 **Overhead Pedestrian Crossing (R1-9 or R1-9a) signs—10 years from the effective date of the Final**
44 **Rule for the 2009 MUTCD.**

45 **Section 2B.12 In-Street and Overhead Pedestrian Crossing Signs (R1-6, R1-6a, R1-9, and R1-9a)—**
46 **special support requirements for in-street signs—5 years from the effective date of the Final Rule**
47 **for the 2009 MUTCD.**

48 **Section 2B.13 Speed Limit Sign (R2-1)—color of changeable message legend of YOUR SPEED**
49 **legend—December 22, 2013.**

50 **Section 2B.19 Intersection Lane Control Signs (R3-5 through R3-8)—overhead lane-use signs should be**
51 **provided for lane drops and shared through/turn lanes at signalized locations—10 years from the**
52 **effective date of the Final Rule for the 2009 MUTCD.**

- 1 Section 2B.25 Reversible Lane Control Signs (R3-9d, R3-9f through R3-9i)—removal of R3-9c and R3-
2 9e signs—December 22, 2013.
- 3 Sections 2B.26 through 2B.30 Regulatory Signs for Preferential Lanes—December 22, 2013.
- 4 Section 2B.31 Regulatory Signs for Toll Plazas—regulatory signs for toll plazas—10 years from the
5 effective date of the Final Rule for the 2009 MUTCD.
- 6 Section 2B.32 Regulatory Signs for Managed Lanes and ETC Only Lanes—regulatory signs for
7 managed lanes and ETC only lanes—10 years from the effective date of the Final Rule for the 2009
8 MUTCD.
- 9 Section 2B.33 Jughandle Signs (R3-23, R3-24, R3-25, and R3-26 Series)—regulatory signs for
10 jughandles—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 11 Section 2B.35 DO NOT PASS WHEN SOLID LINE IS ON YOUR SIDE Sign (R4-15)—new R4-15
12 sign—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 13 Section 2B.43 Slow Vehicle Turn-Out Signs (R4-12, R4-13, and R4-14)—new slow vehicle turn-out
14 signs—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 15 Section 2B.46 Selective Exclusion Signs—new legends for various selective exclusion signs—10 years
16 from the effective date of the Final Rule for the 2009 MUTCD.
- 17 Section 2B.47 ONE WAY Signs (R6-1, R6-2)—new requirement for ONE WAY signs—10 years from
18 the effective date of the Final Rule for the 2009 MUTCD.
- 19 Section 2B.49 Divided Highway Crossing Signs (R6-3, R6-3a)—required use of Divided Highway
20 Crossing signs—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 21 Sections 2B.50 and 2B.51 Roundabout Signs—new regulatory signs for roundabouts—10 years from
22 the effective date of the Final Rule for the 2009 MUTCD.
- 23 Section 2B.54 Design of Parking, Standing, and Stopping Signs—new signs for fee parking—10 years
24 from the effective date of the Final Rule for the 2009 MUTCD.
- 25 Section 2B.59 Traffic Signal Signs (R10-1 through R10-32P)—changes to R10-1 through R10-4 series of
26 pedestrian signs, and new signs and new designs for various traffic signal signs in Figure 2B-30—10
27 years from the effective date of the Final Rule for the 2009 MUTCD.
- 28 Section 2B.60 Photo Enforced Signs and Plaques (R10-18, R10-19P, R10-19aP)—new Section in 2003
29 MUTCD—December 22, 2013.
- 30 Section 2B.61 Ramp Metering Signs (R10-28 and R10-29)—new ramp metering signs—10 years from
31 the effective date of the Final Rule for the 2009 MUTCD.
- 32 Section 2B.65 Weigh Station Signs (R13 Series)—new design and legend for R13-1 sign—10 years from
33 the effective date of the Final Rule for the 2009 MUTCD.
- 34 Section 2B.67 Hazardous Material Signs (R14-2, R14-3)—change in sign legend—December 22, 2013.
- 35 Section 2B.69 Headlight Use Signs (R16-5 through R16-12)—new headlight use signs—10 years from
36 the effective date of the Final Rule for the 2009 MUTCD.
- 37 Section 2B.70 Miscellaneous Regulatory Signs—new R16-4 sign—10 years from the effective date of
38 the Final Rule for the 2009 MUTCD.
- 39 Section 2C.03 Design of Warning Signs—use of fluorescent yellow-green background color for
40 pedestrian, bicycle, school, and playground signs and their related supplemental plaques—10 years
41 from the effective date of the Final Rule for the 2009 MUTCD.
- 42 Section 2C.04 Size of Warning Signs—sizes of W1 Series Arrows signs, W12-2a low clearance signs,
43 and W10-1 advance grade crossing sign—December 22, 2013.
- 44 Section 2C.04 Size of Warning Signs—size of warning signs on multi-lane roads and changes in sizes in
45 Table 2C-2—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 46 Section 2C.05 Placement of Warning Signs—revisions in Table 2C-4—10 years from the effective date
47 of the Final Rule for the 2009 MUTCD.
- 48 Sections 2C.06 through 2C.14 Horizontal Alignment Warning Signs—revised requirements regarding
49 various horizontal alignment signs—10 years from the effective date of the Final Rule for the 2009
50 MUTCD.
- 51 Section 2C.13 Truck Rollover Warning Sign (W1-13)—new Section in 2003 MUTCD—December 22,
52 2013.

- 1 Section 2C.14 Advisory Exit and Ramp Speed Signs (W13-2 and W13-3)—elimination of Curve Speed
2 (W13-5) warning sign—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 3 Section 2C.19 NARROW BRIDGE Sign (W5-2)—elimination of symbol sign—December 22, 2013.
- 4 Section 2C.21 Divided Highway Sign (W6-1)—removal of W6-1a and W6-1b word message signs—10
5 years from the effective date of the Final Rule for the 2009 MUTCD.
- 6 Section 2C.22 Divided Highway Ends Sign (W6-2)—removal of W6-2a and W6-2b word message
7 signs—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 8 Section 2C.23 Freeway or Expressway Ends Signs (W19 Series)—new W19 series signs—10 years from
9 the effective date of the Final Rule for the 2009 MUTCD.
- 10 Section 2C.29 PAVEMENT ENDS Sign (W8-3)—removal of symbol sign—January 17, 2011.
- 11 Section 2C.30 Shoulder and Uneven Lanes Signs (W8-4, W8-9, W8-17, and W8-23)—new symbol
12 design for W8-17 sign—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 13 Section 2C.31 Surface Condition Signs (W8-5, W8-7, W8-8, W8-13, and W8-14)—new W8-14 symbol
14 sign—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 15 Section 2C.32 Warning Signs and Plaques for Motorcyclists (W8-15, W8-15P, and W8-16)—new W8-
16 15 and W8-16 signs and new W8-15P plaque—10 years from the effective date of the Final Rule for
17 the 2009 MUTCD.
- 18 Section 2C.34 Weather Condition Signs (W8-18, W8-19, W8-21, and W8-22)—new signs for weather
19 conditions—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 20 Section 2C.35 Advance Traffic Control Signs (W3-1, W3-2, W3-3, W3-4)—removal of W3-1a, W3-2a,
21 W3-3a word message signs—10 years from the effective date of the Final Rule for the 2009
22 MUTCD.
- 23 Section 2C.36 Advance Ramp Control Signal Signs (W3-7 and W3-8)—new signs for ramp metering—
24 10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 25 Section 2C.37 Reduced Speed Limit Ahead Signs (W3-5, W3-5a)—removal of R2-5 Series Reduced
26 Speed Ahead signs and use of W3-5 or W3-5a warning signs instead—December 22, 2018.
- 27 Section 2C.39 Merge Signs (W4-1, W4-5)—Entering Roadway Merge sign (W4-5)—December 22,
28 2013.
- 29 Section 2C.40 Added Lane Signs (W4-3, W4-6)—Entering Roadway Added Lane sign (W4-6)—
30 December 22, 2013.
- 31 Section 2C.41 Lane Ends Signs (W4-2, W4-7, W9-1, W9-2)—new design of W4-2 sign—December 22,
32 2013.
- 33 Section 2C.42 RIGHT (LEFT) LANE EXIT ONLY AHEAD Sign (W9-7)—new W9-7 sign—10 years
34 from the effective date of the Final Rule for the 2009 MUTCD.
- 35 Sections 2C.43 and 2C.44 Toll Facility Signs—new signs for toll facilities—10 years from the effective
36 date of the Final Rule for the 2009 MUTCD.
- 37 Section 2C.45 Two-Way Traffic Sign (W6-3)—transition from one-way street—December 22, 2008.
- 38 Section 2C.48 Intersection Warning Signs (W2-1 through W2-8)—new design of Circular Intersection
39 (W2-6) sign—December 22, 2013.
- 40 Section 2C.51 Vehicular Traffic Signs (W8-6, W11-1, W11-5, W11-5a, W11-8, W11-10, W11-11, W11-
41 12P, W11-14, and W11-15)—new symbol signs W11-1, W11-5, W11-5a, W11-6, W11-11, and W11-
42 14—December 22, 2013.
- 43 Section 2C.51 Vehicular Traffic Signs (W8-6, W11-1, W11-5, W11-5a, W11-8, W11-10, W11-11, W11-
44 12P, W11-14, and W11-15)—new W11-15 symbol sign—10 years from the effective date of the Final
45 Rule for the 2009 MUTCD.
- 46 Section 2C.52 Nonvehicular Signs (W11-2, W11-3, W11-4, W11-6, W11-7, W11-9, and W11-16 through
47 W11-22)—elimination of crosswalk lines from crossing signs and use of diagonal downward
48 pointing arrow (W16-7P) supplemental plaque if at the crossing—January 17, 2011.
- 49 Section 2C.52 Nonvehicular Signs (W11-2, W11-3, W11-4, W11-6, W11-7, W11-9, and W11-16 through
50 W11-22)—required use of fluorescent yellow-green background color for school signs and their
51 related supplemental plaques—10 years from the effective date of the Final Rule for the 2009
52 MUTCD.

- 1 Section 2C.52 Nonvehicular Signs (W11-2, W11-3, W11-4, W11-6, W11-7, W11-9, and W11-16 through
2 W11-22)—recommended use of fluorescent yellow-green background color for pedestrian, bicycle,
3 and playground signs and their related supplemental plaques—10 years from the effective date of
4 the Final Rule for the 2009 MUTCD.
- 5 Section 2C.52 Nonvehicular Signs (W11-2, W11-3, W11-4, W11-6, W11-7, W11-9, and W11-16 through
6 W11-22)—new W11-16 through W11-22 symbol signs for various large animals—10 years from the
7 effective date of the Final Rule for the 2009 MUTCD.
- 8 Section 2C.54 NEW TRAFFIC PATTERN AHEAD Sign (W23-2)—new W23-2 sign—10 years from
9 the effective date of the Final Rule for the 2009 MUTCD.
- 10 Section 2C.61 Advance Street Name Plaque (W16-8P, W16-8aP)—requirement to use a combination of
11 lower-case letters with initial upper-case letters—15 years from the effective date of the Final Rule
12 for the 2009 MUTCD.
- 13 Section 2C.65 PHOTO ENFORCED Plaque (W16-10P)—new Section in 2003 MUTCD—December 22,
14 2013.
- 15 Section 2C.67 NEW Plaque (W16-15P)—new W16-15P plaque—2 years from the effective date of the
16 Final Rule for the 2009 MUTCD.
- 17 Sections 2C.68 and 2C.69 Toll Facility Plaques—new plaques for toll facilities—10 years from the
18 effective date of the Final Rule for the 2009 MUTCD.
- 19 Section 2D.05 Lettering Style—elimination of the practice for names of places, streets, and highways on
20 conventional road guide signs of using all upper-case letters—15 years from the effective date of the
21 Final Rule for the 2009 MUTCD.
- 22 Section 2D.08 Arrows—requirements for design and positioning of down arrows on overhead guide
23 signs—15 years from the effective date of the Final Rule for the 2009 MUTCD.
- 24 Section 2D.25 TOLL Auxiliary Sign (M4-15)—requirement for use of TOLL auxiliary sign—5 years
25 from the effective date of the Final Rule for the 2009 MUTCD.
- 26 Section 2D.26 Electronic Toll Collection (ETC) Only Auxiliary Signs (M4-16 and M4-20)—
27 requirement for use of ETC Only auxiliary sign—5 years from the effective date of the Final Rule
28 for the 2009 MUTCD.
- 29 Section 2D.35 Combination Lane Use/Destination Overhead Guide Sign (D15-1)—design of combined
30 lane-use/destination overhead guide signs—10 years from the effective date of the Final Rule for the
31 2009 MUTCD.
- 32 Section 2D.45 Street Name Signs (D3-1 or D3-1a)—150 mm (6 in) letter height for lettering on post-
33 mounted Street Name signs (except on multi-lane streets with speed limits greater than 60 km/h (40
34 mph)—January 9, 2012.
- 35 Section 2D.45 Street Name Signs (D3-1 or D3-1a)—200 mm (8 in) letter height on post-mounted signs
36 on multi-lane streets with speed limits greater than 60 km/h (40 mph) and 300 mm (12 in) letter
37 height on overhead signs—December 22, 2018.
- 38 Section 2D.45 Street Name Signs (D3-1 or D3-1a)—pictograph on street name sign should be to right of
39 street name—15 years from the effective date of the Final Rule for the 2009 MUTCD.
- 40 Section 2D.45 Street Name Signs (D3-1 or D3-1a)—limitations on alternative colors for street name
41 signs—15 years from the effective date of the Final Rule for the 2009 MUTCD.
- 42 Section 2D.46 Advance Street Name Signs (D3-2)—new Section in 2000 MUTCD and revisions in 2003
43 MUTCD—December 22, 2018.
- 44 Section 2D.47 Signing on Conventional Roads on Approaches to Interchanges—requirement for multi-
45 lane approaches to interchanges to have guide signs to identify which direction of turn is to be made
46 for access to each direction of the freeway or expressway—10 years from the effective date of the
47 Final Rule for the 2009 MUTCD.
- 48 Section 2D.52 Community Wayfinding Signs—community wayfinding signs—15 years from the
49 effective date of the Final Rule for the 2009 MUTCD.
- 50 Section 2D.53 Truck, Passing, or Climbing Lane Signs (D17-1 and D17-2)—new designs for truck lane
51 signs—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 52 Section 2D.54 Slow Vehicle Turn-Out Sign (D17-7)—new D17-7 sign—10 years from the effective date
53 of the Final Rule for the 2009 MUTCD.

- 1 Section 2E.19 Arrows for Interchange Guide Signs—requirements for design and positioning of down
2 arrows on overhead guide signs—15 years from the effective date of the Final Rule for the 2009
3 MUTCD.
- 4 Section 2E.20 Diagrammatic Signs—new design and placement requirements for diagrammatic signs—
5 15 years from the effective date of the Final Rule for the 2009 MUTCD.
- 6 Section 2E.21 Signing for Interchange Lane Drops—new requirements for use of EXIT ONLY and
7 down arrows for lane drops—15 years from the effective date of the Final Rule for the 2009
8 MUTCD.
- 9 Section 2E.27 Interchange Exit Numbering—LEFT on exit number plaques for left-hand exits—
10 December 22, 2018.
- 11 Sections 2E.27 Interchange Exit Numbering—required use of the reference location exit numbering
12 system—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 13 Sections 2E.29, 2E.32, and 2E.36 Freeway and Expressway Guide Signing—black-on-yellow LEFT sign
14 panel requirements—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 15 Sections 2E.51 through 2E.54 Preferential Lane Guide Signs—new Section (2E.59) in the 2003
16 MUTCD—December 22, 2013.
- 17 Sections 2E.51 through 2E.54 Preferential Lane Guide Signs—new provisions in the 2009 MUTCD for
18 preferential lane guide signing—10 years from the effective date of the Final Rule for the 2009
19 MUTCD.
- 20 Sections 2E.55 through 2E.60 Toll Facility and Toll Plaza Signs—new provisions regarding toll facility
21 and toll plaza signing—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 22 Section 2E.61 Guide Signs for Managed Lanes—new provisions for guide signs for managed lanes—5
23 years from the effective date of the Final Rule for the 2009 MUTCD.
- 24 Section 2F.02 General Service Signs for Conventional Roads—new designs for the D9-10 and D9-16
25 signs—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 26 Section 2F.04 Interstate Oasis Signing—Interstate Oasis signing—10 years from the effective date of
27 the Final Rule for the 2009 MUTCD.
- 28 Section 2F.05 Rest Area and Other Roadside Area Signs—new D9-21 and D9-22 signs—10 years from
29 the effective date of the Final Rule for the 2009 MUTCD.
- 30 Section 2F.07 Radio Information Signing —Channel 9 Monitored (D12-3) sign—December 22, 2013.
- 31 Section 2F.08 TRAVEL INFO CALL 511 Sign (D12-5)—December 22, 2013.
- 32 Section 2F.10 Brake Check Area Signs (D5-13 and D5-14)—new signs—10 years from the effective date
33 of the Final Rule for the 2009 MUTCD.
- 34 Section 2F.11 Chain Up Area Signs (D5-15 and D5-16)—new signs—10 years from the effective date of
35 the Final Rule for the 2009 MUTCD.
- 36 Section 2F.12 Truck Escape Ramp Signs (D17-3, D17-4, and D17-5)—new sign designs (colors)—10
37 years from the effective date of the Final Rule for the 2009 MUTCD.
- 38 Section 2G.03 Logos and Logo Sign Panels—design and location of RV Access message on logo sign
39 panels—5 years from the effective date of the Final Rule for the 2009 MUTCD.
- 40 Section 2G.03 Logos and Logo Sign Panels—new provisions in this Section other than the design and
41 location of RV Access message on logo sign panels—15 years from the effective date of the Final
42 Rule for the 2009 MUTCD.
- 43 Section 2G.05 Size of Lettering—minimum height of letters and numerals on specific service signs—
44 January 17, 2011.
- 45 Section 2G.05 Size of Lettering—letter sizes for word legend only logo sign panels—10 years from the
46 effective date of the Final Rule for the 2009 MUTCD.
- 47 Section 2I.01 Reference Location Signs (D10-1 through D10-3) and Intermediate Reference Location
48 Signs (D10-1a through D10-3a)—location and spacing of Reference Location signs and design of
49 Intermediate Reference Location signs—December 22, 2013.
- 50 Section 2I.03 Enhanced Reference Location Signs (D10-4, D10-5)—design of Enhanced Reference
51 Location signs and Intermediate Enhanced Reference Location signs—December 22, 2013.

- 1 Section 2I.09 Acknowledgement Signs—new provisions for acknowledgement signs—10 years from the
2 effective date of the Final Rule for the 2009 MUTCD.
- 3 Section 2J.04 General Design Requirements for Recreational and Cultural Interest Area Symbol Guide
4 Signs—new designs for various recreational and cultural interest area signs—10 years from the
5 effective date of the Final Rule for the 2009 MUTCD.
- 6 Section 2K.03 Evacuation Route Signs (EM-1 and EM-1a)—new design and size of EM-1 sign—
7 December 22, 2018.
- 8 Section 2L.01 Object Marker Design and Placement Height—width of stripes on Type 3 striped
9 marker—December 22, 2013.
- 10 Chapter 2M Changeable Message Signs—new provisions for changeable message signs—10 years from
11 the effective date of the Final Rule for the 2009 MUTCD.
- 12 Section 3B.03 Other Yellow Longitudinal Pavement Markings—spacing requirements for pavement
13 marking arrows in two-way left-turn lanes—December 22, 2008.
- 14 Sections 3B.04 and 3B.05 White Longitudinal Pavement Markings—dotted lines required for
15 acceleration, deceleration, and auxiliary lanes—5 years from the effective date of the Final Rule for
16 the 2009 MUTCD.
- 17 Section 3B.05 Other White Longitudinal Pavement Markings—required locations for channelizing
18 lines at exit and entrance ramp gores—5 years from the effective date of the Final Rule for the 2009
19 MUTCD.
- 20 Section 3B.09 Lane Reduction Transition Markings—use of dotted lines for lane reductions—5 years
21 from the effective date of the Final Rule for the 2009 MUTCD.
- 22 Section 3B.16 Stop and Yield Lines—stop lines shall not be used for yield conditions—5 years from the
23 effective date of the Final Rule for the 2009 MUTCD.
- 24 Section 3B.17 Do Not Block Intersection Markings—new Section—5 years from the effective date of
25 the Final Rule for the 2009 MUTCD.
- 26 Section 3B.18 Crosswalk Markings—gap between transverse lines of a crosswalk—December 22, 2013.
- 27 Section 3B.20 Pavement Word, Symbol, and Arrow Markings—spacing of lane-use arrows in two-way
28 left-turn lanes shown in Figure 3B-7—December 22, 2008.
- 29 Section 3B.20 Pavement Word, Symbol, and Arrow Markings—lane-use arrows should be used for
30 certain conditions and should be located in certain positions—5 years from the effective date of the
31 Final Rule for the 2009 MUTCD.
- 32 Section 3B.20 Pavement Word, Symbol, and Arrow Markings—ONLY marking should be used with
33 turn arrows in dropped lanes—5 years from the effective date of the Final Rule for the 2009
34 MUTCD.
- 35 Section 3B.20 Pavement Word, Symbol, and Arrow Markings—lane reduction arrow should be used
36 where speed is 70 km/h (45 mph) or above—5 years from the effective date of the Final Rule for the
37 2009 MUTCD.
- 38 Section 3B.22 Speed Reduction Markings—new Section—5 years from the effective date of the Final
39 Rule for the 2009 MUTCD.
- 40 Section 3B.24 Preferential Lane Word and Symbol Markings—preferential lane markings for ETC
41 only lanes—5 years from the effective date of the Final Rule for the 2009 MUTCD.
- 42 Section 3B.25 Preferential Lane Longitudinal Markings for Motor Vehicles—markings for buffer-
43 separated and counter-flow preferential lanes—5 years from the effective date of the Final Rule for
44 the 2009 MUTCD.
- 45 Section 3B.26 Chevron and Diagonal Crosshatching Markings—requirement to use chevron markings
46 in gores rather than optional diagonal markings—5 years from the effective date of the Final Rule
47 for the 2009 MUTCD.
- 48 Sections 3B.27 and 3B.28 Speed Hump Markings and Advance Speed Hump Markings—if used, shall
49 be as depicted—5 years from the effective date of the Final Rule for the 2009 MUTCD.
- 50 Section 3B.29 Markings for Toll Plazas—recommended use of solid lane lines and required design of
51 optional purple markings—5 years from the effective date of the Final Rule for the 2009 MUTCD.

- 1 Chapter 3C Roundabout Markings—changes from existing requirements and recommendations—5
2 years from the effective date of the Final Rule for the 2009 MUTCD.
- 3 Section 3D.03 Delineator Application—delineators should be used with guardrail or longitudinal
4 barriers—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 5 Section 4C.04 Warrant 3, Peak Hour—signal should be actuated if this is only warrant met—15 years
6 from the effective date of the Final Rule for the 2009 MUTCD.
- 7 Section 4C.05 Warrant 4, Pedestrian Volume—signal should also control side street or driveway if
8 installed at such location based on this warrant only—15 years from the effective date of the Final
9 Rule for the 2009 MUTCD.
- 10 Section 4C.06 Warrant 5, School Crossing—signal should also control side street or driveway if
11 installed at such location based on this warrant only—15 years from the effective date of the Final
12 Rule for the 2009 MUTCD.
- 13 Section 4D.01 General—location of signalized midblock crosswalks—December 22, 2013.
- 14 Section 4D.04 Signal Indications – Design, Illumination, Color, and Shape—strobes shall not be used—
15 5 years from the effective date of the Final Rule for the 2009 MUTCD.
- 16 Section 4D.10 Application of Steady Signal Indications—Item B.4 in the third paragraph of the
17 Standard—December 22, 2008.
- 18 Section 4D.11 Number of Signal Faces on an Approach—various recommendations for signal displays
19 for approaches with speeds of more than 60 km/h or more than 40 mph—15 years from the effective
20 date of the Final Rule for the 2009 MUTCD.
- 21 Section 4D.12 Visibility, Aiming, and Shielding of Signal Faces—backplates should be used for
22 approaches with speeds of more than 60 km/h or more than 40 mph—15 years from the effective
23 date of the Final Rule for the 2009 MUTCD.
- 24 Section 4D.13 Lateral Positioning of Signal Faces—overhead-mounted separate flashing yellow arrow
25 and flashing red arrow turn signal faces shall be over the turn lane—15 years from the effective
26 date of the Final Rule for the 2009 MUTCD.
- 27 Section 4D.17 Signal Indications for Left-Turn Movements – General—a protected only mode left-turn
28 movement that does not begin and terminate at the same time as the adjacent through movement
29 shall not be provided on an approach unless an exclusive left-turn lane exists—10 years from the
30 effective date of the Final Rule for the 2009 MUTCD.
- 31 Section 4D.19 Signal Indications for Protected Only Mode Left-Turn Movements—elimination of the
32 use of a circular red signal indication in a protected only left-turn signal face for an approach where
33 the CIRCULAR GREEN and left-turn GREEN ARROW signal indications do not begin and
34 terminate together—15 years from the effective date of the Final Rule for the 2009 MUTCD.
- 35 Section 4D.21 Signal Indications for Right-Turn Movements – General—a protected only mode right-
36 turn movement that does not begin and terminate at the same time as the adjacent through
37 movement shall not be provided on an approach unless an exclusive right-turn lane exists—10 years
38 from the effective date of the Final Rule for the 2009 MUTCD.
- 39 Section 4D.25 Signal Indications for Approaches With Shared Left-Turn/Right-Turn Lanes and No
40 Through Movement—required signal displays for approaches with a shared left-turn/right-turn
41 lane and no through movement—15 years from the effective date of the Final Rule for the 2009
42 MUTCD.
- 43 Section 4D.26 Yellow Change and Red Clearance Intervals—red clearance interval should be provided
44 when indicated by engineering practices, and durations of yellow change and red clearance
45 intervals shall be determined using engineering practices—5 years from the effective date of the
46 Final Rule for the 2009 MUTCD.
- 47 Section 4D.27 Preemption and Priority Control of Traffic Control Signals—signals with railroad
48 preemption should have backup power—10 years from the effective date of the Final Rule for the
49 2009 MUTCD.
- 50 Section 4D.31 Flashing Operation – Transition Out of Flashing Mode—duration of steady red
51 clearance interval in change from red-red flashing mode to steady (stop-and-go) mode—December
52 22, 2013.

- 1 Section 4D.34 Use of Signs at Signalized Locations—overhead lane-use signs should be provided for
2 lane drops and shared through/turn lanes at signalized locations—10 years from the effective date
3 of the Final Rule for the 2009 MUTCD.
- 4 Section 4E.06 Accessible Pedestrian Signals—accessible pedestrian signals shall have both audible and
5 vibrotactile features—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 6 Section 4E.06 Accessible Pedestrian Signals—speech walk messages shall only be used where it is
7 infeasible to install two pushbuttons more than 3 m (10 ft) apart on same corner—10 years from the
8 effective date of the Final Rule for the 2009 MUTCD.
- 9 Section 4E.07 Countdown Pedestrian Signals—new Section in 2003 MUTCD—December 22, 2013 for
10 countdown pedestrian signal hardware.
- 11 Section 4E.07 Countdown Pedestrian Signals—addition of pedestrian change interval countdown
12 displays to existing pedestrian signal heads—10 years from the effective date of the Final Rule for
13 the 2009 MUTCD.
- 14 Section 4E.08 Pedestrian Detectors—required positioning of pedestrian pushbuttons—15 years from
15 the effective date of the Final Rule for the 2009 MUTCD.
- 16 Section 4E.08 Pedestrian Detectors—new requirements in this Section except positioning of pedestrian
17 pushbuttons—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 18 Section 4E.09 Accessible Pedestrian Signal Detectors—locator tone shall be provided with accessible
19 pedestrian signal pushbutton and other new requirements for accessible pedestrian signal
20 pushbuttons—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 21 Section 4E.10 Pedestrian Intervals and Signal Phases—pedestrian clearance time sufficient to travel to
22 far side of the traveled way—December 22, 2008.
- 23 Section 4E.10 Pedestrian Intervals and Signal Phases—pedestrian change interval shall not extend into
24 yellow change and red clearance intervals—10 years from the effective date of the Final Rule for the
25 2009 MUTCD.
- 26 Section 4E.10 Pedestrian Intervals and Signal Phases—slower recommended walking speed for
27 calculating pedestrian clearance time—5 years from the effective date of the Final Rule for the 2009
28 MUTCD.
- 29 Section 4E.10 Pedestrian Intervals and Signal Phases—if pedestrian clearance time only enough to get
30 to median, additional pedestrian signal faces, pushbuttons, and signs shall be provided in median—
31 10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 32 Chapter 4F Pedestrian Hybrid Signals—new Chapter—10 years from the effective date of the Final
33 Rule for the 2009 MUTCD.
- 34 Section 4G.04 Emergency-Vehicle Hybrid Signals—new Section—10 years from the effective date of
35 the Final Rule for the 2009 MUTCD.
- 36 Section 4I.02 Design of Freeway Entrance Ramp Control Signals—two signal faces for each lane with
37 staggered release ramp metering signals—10 years from the effective date of the Final Rule for the
38 2009 MUTCD.
- 39 Section 4J.02 Design and Location of Movable Bridge Signals and Gates—use of vertical stripes on
40 gates—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 41 Chapter 4K Toll Plaza Traffic Signals—new Chapter—10 years from the effective date of the Final
42 Rule for the 2009 MUTCD.
- 43 Section 4L.03 Warning Beacon—beacons with toll plaza canopy signs should be distinctly separate
44 from lane-use signals—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 45 Section 4M.01 Application of Lane-Use Control Signals—requirement to use lane-use control signals
46 over the centers of controlled lanes at toll plazas—10 years from the effective date of the Final Rule
47 for the 2009 MUTCD.
- 48 Section 4N.02 In-Roadway Warning Lights at Crosswalks—requirement for sign with each pushbutton
49 and requirement for additional pedestrian detector in median if period of operation is only enough
50 to get to median—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 51 Section 5C.05 NARROW BRIDGE Sign (W5-2)—elimination of symbol sign—December 22, 2013.
- 52 Section 6D.01 Pedestrian Considerations—all new provisions for pedestrian accessibility—December
53 22, 2008.

- 1 Section 6D.02 Accessibility Considerations—new Section in 2003 MUTCD—December 22, 2008.
- 2 Section 6D.03 Worker Safety Considerations—all workers within the right-of-way shall wear high-
3 visibility apparel—2 years from the effective date of the Final Rule for the 2009 MUTCD.
- 4 Section 6E.02 High-Visibility Safety Apparel—all flaggers within the right-of-way shall wear high-
5 visibility apparel—2 years from the effective date of the Final Rule for the 2009 MUTCD.
- 6 Sections 6E.04 through 6E.06 Automated Flagger Assistance Devices—new Sections—5 years from the
7 effective date of the Final Rule for the 2009 MUTCD.
- 8 Section 6F.30 NEW TRAFFIC PATTERN AHEAD Sign (W23-2)—new W23-2 sign—5 years from the
9 effective date of the Final Rule for the 2009 MUTCD.
- 10 Section 6F.57 Portable Changeable Message Signs—new requirements—5 years from the effective date
11 of the Final Rule for the 2009 MUTCD.
- 12 Section 6F.61 Cones—width of retroreflective stripes—December 22, 2008.
- 13 Section 6F.70 Temporary Lane Separators—new Section—5 years from the effective date of the Final
14 Rule for the 2009 MUTCD.
- 15 Typical Applications 37, 38, 39, 42, and 44—arrow board required for each lane closed—2 years from
16 the effective date of the Final Rule for the 2009 MUTCD.
- 17 Section 7B.07 Sign Color for School Warning Signs—required use of fluorescent yellow-green
18 background color for school signs and their related supplemental plaques—10 years from the
19 effective date of the Final Rule for the 2009 MUTCD.
- 20 Section 7B.10 School Advance Crossing Assembly—use of AHEAD (W16-9P) plaque or distance
21 plaque (W16-2P or W16-2aP)—January 17, 2011.
- 22 Section 7B.11 School Crossing Assembly—elimination of crosswalk lines from crossing signs and use of
23 diagonal downward pointing arrow (W16-7P) supplemental plaque—January 17, 2011.
- 24 Section 7B.12 School Bus Stop Ahead Sign (S3-1)—new S3-1 sign—10 years from the effective date of
25 the Final Rule for the 2009 MUTCD.
- 26 Section 7B.13 SCHOOL BUS TURN AHEAD Sign (S3-2)—new S3-2 sign—10 years from the effective
27 date of the Final Rule for the 2009 MUTCD.
- 28 Section 7B.15 Reduced School Speed Limit Ahead Sign (S4-5, S4-5a)—removal of REDUCED SPEED
29 AHEAD (R2-5a) signs and use of S4-5 or S4-5a warning signs instead—December 22, 2018.
- 30 Section 7B.16 END SCHOOL ZONE Sign (S5-2)—required use of S5-2 sign—10 years from the
31 effective date of the Final Rule for the 2009 MUTCD.
- 32 Section 7D.04 Uniform of Adult Crossing Guards—new requirements for high-visibility apparel for
33 adult crossing guards—2 years from the effective date of the Final Rule for the 2009 MUTCD.
- 34 Section 8B.03 Highway-Rail Grade Crossing (Crossbuck) Sign (R15-1) and Number of Tracks Plaque
35 (R15-2P)—retroreflective strip on crossbuck support—January 17, 2011.
- 36 Sections 8B.04 and 8B.05 STOP or YIELD Signs at Grade Crossings—required use of STOP or
37 YIELD signs with Crossbuck signs at passive grade crossings—5 years from the effective date of the
38 Final Rule for the 2009 MUTCD.
- 39 Section 8B.06 Highway-Rail Grade Crossing Advance Warning Signs (W10 Series)—required use of
40 No Signal or SIGNAL AHEAD plaques with W10-1 through W10-4 signs—5 years from the
41 effective date of the Final Rule for the 2009 MUTCD.
- 42 Section 8B.13 Emergency Notification Sign (I-13)—new design—10 years from the effective date of the
43 Final Rule for the 2009 MUTCD.
- 44 Section 8C.04 Automatic Gates—use of vertical stripes—10 years from the effective date of the Final
45 Rule for the 2009 MUTCD.
- 46 Section 8C.06 Wayside Horn Systems—new Section—5 years from the effective date of the Final Rule
47 for the 2009 MUTCD.
- 48 Section 8C.08 Traffic Control Signals at or Near Highway-Rail Grade Crossings—pre-signals—
49 December 22, 2013.
- 50 Section 8C.08 Traffic Control Signals at or Near Highway-Rail Grade Crossings—signals with railroad
51 preemption should have backup power—10 years from the effective date of the Final Rule for the
52 2009 MUTCD.

- 1 **Section 8C.09 Highway-Rail Grade Crossing(s) Within or In Close Proximity to Roundabouts, Traffic**
2 **Circles, or Circular Intersections—requirements for grade crossings near roundabouts—5 years**
3 **from the effective date of the Final Rule for the 2009 MUTCD.**
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1 Option:

2 In order for maintenance personnel to understand what to do when replacing a damaged non-compliant
3 traffic control device, agencies may establish a policy regarding whether to replace the device in kind or to
4 replace it with a compliant device.

5 Support:

6 Often it is desirable to upgrade to a compliant device at the time of this maintenance of a damaged device.
7 However, it might be appropriate to replace the damaged non-compliant device in kind at the time of this
8 maintenance activity if engineering judgment indicates that:

- 9 A. One compliant device in the midst of a series of adjacent non-compliant devices could potentially be
10 confusing to road users; and/or
11 B. The anticipated schedule for replacement of the whole series of non-compliant devices will result in
12 achieving timely compliance with the MUTCD.

13

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2007 NOTICE OF PROPOSED AMENDMENTS
for the
MANUAL ON UNIFORM TRAFFIC CONTROL
DEVICES

MUTCD TEXT
(with revisions shown)

DECEMBER 2007

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- 22 Section 7D.03 Qualifications of Adult Crossing Guards
- 23 Section 7D.04 Uniform of Adult Crossing Guards
- 24 Section 7D.05 Operating Procedures for Adult Crossing Guards

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- 46 Section 8B.09 DO NOT STOP ON TRACKS Sign (R8-8)
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- 48 Section 8B.11 STOP HERE WHEN FLASHING Sign (R8-10, R8-10a)

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- 37 Section 9A.02 Scope
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- 41 Section 9A.06 Placement Authority
- 42 Section 9A.07 Meaning of Standard, Guidance, Option, and Support
- 43 Section 9A.08 Colors

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- 5 3cP)
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- 16 Section 9B.18 Bicycle Warning and Combined Bicycle/Pedestrian Signs (W11-1 and W11-15)
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- 18 Section 9B.20 Bicycle Guide Signs (D1-1b, D1-1c, D1-2b, D1-2c, D1-3b, D1-3c, D11-1, D11-1c)
- 19 Section 9B.21 Bicycle Route Signs (M1-8, M1-8a, M1-9)
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 39 **GRADE CROSSINGS**

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- 42 Section 10A.02 Use of Standard Devices, Systems, and Practices
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- 44 Section 10A.04 Highway-Light Rail Transit Grade Crossing Elimination
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2 **CHAPTER 10C. SIGNS AND MARKINGS**

3 **Section 10C.01 Purpose**

4 **Section 10C.02 Use of Crossbuck Assemblies at Passive Highway-Light Rail Transit Grade**
5 **Crossings**

6 **Section 10C.03 LOOK Sign (R15-8)**

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12 **Section 10C.08 STOP HERE ON RED Sign (R10-6, R10-6a)**

13 **Section 10C.09 Light Rail Transit-Activated Blank-Out Turn Prohibition Signs (R3-1a, R3-2a)**

14 **Section 10C.10 EXEMPT Highway-Rail Grade Crossing Plaques (R15-3P, W10-1aP)**

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17 **Section 10C.13 Light Rail Transit Only Lane Signs (R15-4 Series)**

18 **Section 10C.14 Do Not Pass Light Rail Transit Signs (R15-5, R15-5a)**

19 **Section 10C.15 Highway-Rail Grade Crossing Advance Warning Signs (W10 Series)**

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21 **Section 10C.17 Light Rail Transit Approaching-Activated Blank-Out Warning Sign (W10-7)**

22 **Section 10C.18 Storage Space Signs (W10-11, W10-11a, W10-11b)**

23 **Section 10C.19 Skewed Crossing Sign (W10-12)**

24 **Section 10C.20 Light Rail Transit Station Sign (I-12)**

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27 **Section 10C.23 Stop Lines**

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29 **CHAPTER 10D. HIGHWAY-LIGHT RAIL TRANSIT ACTIVE TRAFFIC**
30 **CONTROL GRADE CROSSING SYSTEMS**

31 **Section 10D.01 Introduction**

32 **Section 10D.02 Flashing-Light Signals**

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34 **Section 10D.04 Four-Quadrant Gate Systems**

35 **Section 10D.05 Wayside Horn Systems**

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44 **TRANSIT GRADE CROSSINGS**

45 **Section 10E.01 Introduction**

46 **CHAPTER 10F. PATHWAY-LIGHT RAIL TRANSIT GRADE CROSSINGS**

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48 **Section 10F.02 Use of Standard Devices, Systems, and Practices**

49 **Section 10F.03 Pathway-Light Rail Transit Grade Crossing Signs and Markings**

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1 **Section 10F.05 Passive Devices for Pathway-Light Rail Transit Grade Crossings**
2 **Section 10F.06 Active Traffic Control Systems for Pathway-Light Rail Transit Grade**
3 **Crossings**

4 **APPENDIX A1. CONGRESSIONAL LEGISLATION**
5

1 All of the text-related items on the “list of known errors” in the 2003 edition were incorporated. They are
2 considered editorial unless otherwise noted.

3
4 Cross references to Chapters, Sections, Figures, and Tables have been updated as necessary to maintain
5 accuracy.

6
7 The number or letter designations for items in listings within paragraphs have been updated as necessary to
8 maintain an accurate sequence.

9
10 The word “centerline” was replaced by the phrase “center line” in 56 places in the 2003 MUTCD text in order
11 to be consistent with “edge line.”

12
13 The title of the “Standard Highway Signs and Markings” book was revised in 34 places in the 2003 MUTCD
14 text to reflect the updated name of the book.

15
16
17
18 The Manual on Uniform Traffic Control Devices (MUTCD) is approved by the Federal Highway
19 Administrator as the National Standard in accordance with Title 23 U.S. Code, Sections 109(d), 114(a), 217,
20 315, and 402(a), 23 CFR 655, and 49 CFR 1.48(b)(8), 1.48(b)(33), and 1.48(c)(2).

21
22 Addresses for Publications Referenced in the MUTCD

23
24 [AAA](#)

25 [1000 AAA Drive](#)
26 [Heathrow, FL 32746](#)

27 [www.aaa.biz](#) added to provide a complete list of addresses associated with the documents listed in Section
28 **1A.11**

29
30 American Association of State Highway and Transportation Officials (AASHTO)
31 444 North Capitol Street, NW, Suite 249
32 Washington, DC 20001
33 www.transportation.org

34
35 [American National Standards Institute \(ANSI\)](#)

36 [1819 L Street, NW, 6th Floor](#)
37 [Washington, DC 20036](#)

38 [www.ansi.org](#) added to provide a complete list of addresses associated with the documents listed in Section
39 **1A.11**

40
41 American Railway Engineering and Maintenance-of-Way Association (AREMA)
42 8201 Corporate Drive, Suite 1125
43 Landover, MD 20785-2230
44 www.arema.org

45
46 Federal Highway Administration Report Center
47 Facsimile number: 301.577.1421
48 report.center@fhwa.dot.gov

49
50 Illuminating Engineering Society (IES)
51 120 Wall Street, Floor 17
52 New York, NY 10005
53 www.iesna.org

54
55 Institute of Makers of Explosives
56 1120 19th Street, NW, Suite 310
57 Washington, DC 20036-3605

1 www.ime.org
2
3 Institute of Transportation Engineers (ITE)
4 1099 14th Street, NW, Suite 300 West
5 Washington, DC 20005-3438
6 www.ite.org
7
8 International Organization for Standards
9 c/o Mr. Gerard Kuso
10 Austrian Standards Institute
11 Heinestrabe 38
12 Postfach 130
13 A-1021
14 Wien, Austria
15 www.iso.ch
16
17 ~~ISEA~~ The International Safety Equipment Association (ISEA) edited to increase accuracy
18 1901 North Moore Street, Suite 808
19 Arlington, VA 22209
20 www.safetysitequipment.org
21
22 National Committee on Uniform Traffic Laws and Ordinances (NCUTLO)
23 107 South West Street, Suite 110
24 Alexandria, VA 22314
25 www.ncutlo.org
26
27 Occupational Safety and Health Administration (OSHA)
28 U.S. Department of Labor
29 200 Constitution Avenue, NW
30 Washington, DC 20210
31 www.osha.gov
32
33 Transportation Research Board (TRB)
34 The National Academies
35 2101 Constitution Avenue, NW
36 Washington, DC 20418
37 www.nas.edu/trb
38
39 U.S. Architectural and Transportation Barriers Compliance Board (The U.S. Access Board)
40 1331 F Street, NW, Suite 1000
41 Washington, DC 20004-1111
42 www.access-board.gov
43
44

45 Acknowledgments

46
47 The Federal Highway Administration gratefully acknowledges the valuable assistance that it received from the
48 National Committee on Uniform Traffic Control Devices and its over ~~200~~ 250 voluntary members in the
49 development of this Manual.
50

MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

INTRODUCTION

Standard:

Traffic control devices shall be defined as all signs, signals, markings, and other devices used to regulate, warn, or guide traffic, placed on, over, or adjacent to a street, highway, pedestrian facility, ~~or~~ bikeway, public facility, or private property open to public travel by authority of a public agency or official having jurisdiction.

The Manual on Uniform Traffic Control Devices (MUTCD) is incorporated by reference in 23 Code of Federal Regulations (CFR), Part 655, Subpart F and shall be recognized as the national standard for all traffic control devices installed on any street, highway, ~~or bicycle trail~~ bikeway, public facility, or private property open to public travel in accordance with 23 U.S.C. 109(d) and 402(a). The policies and procedures of the Federal Highway Administration (FHWA) to obtain basic uniformity of traffic control devices shall be as described in 23 CFR 655, Subpart F.

In accordance with 23 CFR 655.603(a), for the purposes of applicability of the MUTCD, private property open to public travel shall include toll roads and roads within shopping centers, parking lot areas, airports, sports arenas, and other similar business and/or recreation facilities that are privately owned, but where the public is allowed to travel without access restrictions. Private gated properties where public access is restricted and private highway-rail grade crossings shall not be considered to be private property open to public travel.

Any traffic control device design or application provision contained in this Manual shall be considered to be in the public domain. Traffic control devices contained in this Manual shall not be protected by a patent, trademark, or copyright, except for the Interstate Shield and any ~~other~~ items owned by FHWA.

Support:

The need for uniform standards was recognized long ago. The American Association of State Highway Officials (AASHO), now known as the American Association of State Highway and Transportation Officials (AASHTO), published a manual for rural highways in 1927, and the National Conference on Street and Highway Safety (NCSHS) published a manual for urban streets in 1930. In the early years, the necessity for unification of the standards applicable to the different classes of road and street systems was obvious. To meet this need, a joint committee of AASHO and NCSHS developed and published the original edition of this Manual on Uniform Traffic Control Devices (MUTCD) in 1935. That committee, now called the National Committee on Uniform Traffic Control Devices (NCUTCD), though changed from time to time in name, organization, and personnel, has been in continuous existence and has contributed to periodic revisions of this Manual. The FHWA has administered the MUTCD since the 1971 edition. The FHWA and its predecessor organizations have participated in the development and publishing of the previous editions. There were ~~eight~~ nine edited to increase accuracy previous editions of the MUTCD, and several of those editions were revised one or more times. Table I-1 traces the evolution of the MUTCD, including the two manuals developed by AASHO and NCSHS.

Standard:

The U.S. Secretary of Transportation, under authority granted by the Highway Safety Act of 1966, decreed that traffic control devices on all streets and highways open to public travel in accordance with 23 U.S.C. 109(d) and 402(a) in each State shall be in substantial conformance with the Standards issued or endorsed by the FHWA.

Support:

~~23 CFR 655.603 adopts the MUTCD as the national standard for any street, highway, or bicycle trail open to public travel in accordance with 23 U.S.C. 109(d) and 402(a).~~ The “Uniform Vehicle Code (UVC)” is one of the publications referenced in the MUTCD. The UVC contains a model set of motor vehicle codes and traffic laws for use throughout the United States.

Guidance:

The States ~~are encouraged to~~ should adopt Section 15-116 of the UVC, which states that, “No person shall install or maintain in any area of private property used by the public any sign, signal, marking, or other device intended to regulate, warn, or guide traffic unless it conforms with the State manual and specifications adopted under Section 15-104.”

Support:

1 The Standard, Guidance, Option, and Support material described in this edition of the MUTCD provide
2 the transportation professional with the information needed to make appropriate decisions regarding the use of
3 traffic control devices on streets and highways. ~~The material in this edition is organized to better differentiate~~
4 ~~between Standards that must be satisfied for the particular circumstances of a situation, Guidances that should~~
5 ~~be followed for the particular circumstances of a situation, and Options that may be applicable for the~~
6 ~~particular circumstances of a situation.~~

7 Throughout this Manual the headings Standard, Guidance, Option, and Support are used to classify the
8 nature of the text that follows. Figures, tables, and illustrations, or certain items contained therein, supplement
9 the text and might constitute a Standard, Guidance, Option, or Support. The user needs to refer to the
10 appropriate text to classify the nature of the figure, table, ~~or~~ illustration, or certain item contained therein.

11 **Standard:**

12 **When used in this Manual, the text headings shall be defined as follows:**

- 13 1. **Standard**—a statement of required, mandatory, or specifically prohibitive practice regarding a
14 traffic control device. All Standard statements are labeled, and the text appears in bold type.
15 The verb “shall” is typically used. The verb “should” is not used in Standard statements.
16 Standard statements are sometimes modified by Options.
- 17 2. **Guidance**—a statement of recommended, but not mandatory, practice in typical situations, with
18 deviations allowed if engineering judgment or engineering study indicates the deviation to be
19 appropriate. All Guidance statements are labeled, and the text appears in unbold type. The
20 verb “should” is typically used. The verb “shall” is not used in Guidance statements. Guidance
21 statements are sometimes modified by Options.
- 22 3. **Option**—a statement of practice that is a permissive condition and carries no requirement or
23 recommendation. Option statements may sometime contain allowable modifications to a
24 Standard or Guidance statement. All Option statements are labeled, and the text appears in
25 unbold type. The verb “may” is typically used. The verbs “shall” and “should” are not used in
26 Option statements.
- 27 4. **Support**—an informational statement that does not convey any degree of mandate,
28 recommendation, authorization, prohibition, or enforceable condition. Support statements are
29 labeled, and the text appears in unbold type. The verbs “shall,” “should,” and “may” are not
30 used in Support statements. these four items were edited to increase consistency

31 **Support:**

32 Throughout this Manual all dimensions and distances are provided in the International System of Units, a
33 modernized version of the Metric system, and their English equivalent units are shown in parentheses.

34 **Guidance:**

35 Before laying out distances or determining ~~sign~~ sizes of devices, the public agency should decide whether
36 to use the International System of Units (Metric) or the English equivalent units. The chosen units should be
37 specified on plan drawings. The chosen unit of measurement should be made known to those responsible for
38 designing, installing, or maintaining traffic control devices.

39 Signs with Metric legends are shown in the figures that illustrate sign images only if the design of the sign
40 with Metric units differs from the design of the sign with English equivalent units in a manner that is in
41 addition to just the legend itself. If the only design difference between the Metric sign and the English sign is
42 the legend, only the English sign is illustrated.

43 Except when a specific numeral is required or recommended added to increase accuracy by the text of a
44 Section of this Manual, numerals ~~shown~~ displayed edited to increase consistency on the ~~sign~~ images of
45 devices in the figures that specify quantities such as times, distances, speed limits, and weights should be
46 regarded as examples only. When installing any of these ~~signs~~ devices, the numerals should be appropriately
47 altered to fit the specific ~~signing~~ situation.

48 **Support:**

49 The following information will be useful when reference is being made to a specific portion of text in this
50 Manual.

51 There are ten Parts in this Manual and each Part is comprised of one or more Chapters. Each Chapter is
52 comprised of one or more Sections. Parts are given a numerical identification, such as Part 2 – Signs.
53 Chapters are identified by the Part number and a letter, such as Chapter 2B – Regulatory Signs. Sections are

1 identified by the Chapter number and letter followed by a decimal point and a number, such as Section 2B.03
2 – Size of Regulatory Signs.

3 Each Section is comprised of one or more paragraphs. The paragraphs are indented ~~but~~ and are ~~not~~
4 identified by a number ~~or letter~~. Paragraphs are counted from the beginning of each Section without regard to
5 the intervening text headings (Standard, Guidance, Option, or Support). Some paragraphs have lettered or
6 numbered items. As an example of how to cite this Manual, the phrase “Not less than 12 m (40 ft) beyond the
7 stop line” that appears in Section 4D.14 of this Manual would be referenced in writing as “Section 4D.14, P1,
8 A.1,” and would be verbally referenced as “Item A.1 of Paragraph 1 of Section 4D.14.” ~~last sentence was~~
9 ~~updated to maintain accuracy~~

10 Standard:

11 In accordance with 23 CFR 655.603(b)(~~4~~)(3), States or other Federal agencies that have their own
12 MUTCDs or Supplements to the National MUTCD shall revise these MUTCDs or Supplements to be in
13 substantial conformance with changes to the National MUTCD within 2 years of ~~issuance of the~~
14 effective date of the Final Rule for the changes. Substantial conformance of such State or other Federal
15 agency MUTCDs or Supplements shall be as defined in 23 CFR 655.603(b)(1). Unless a particular
16 device is no longer serviceable, non-compliant devices on existing highways and bikeways shall be
17 brought into compliance with the current edition of the National MUTCD as part of the systematic
18 upgrading of substandard traffic control devices (and installation of new required traffic control
19 devices) required pursuant to the Highway Safety Program, 23 U.S.C. § 402(a). In cases involving
20 Federal-aid projects for new highway or bikeway construction or reconstruction, the traffic control
21 devices installed (temporary or permanent) shall be in conformance with the most recent edition of the
22 National MUTCD before that highway is opened or re-opened to the public for unrestricted travel [23
23 CFR 655.603(d)(2) and 23 CFR 655.603(d)(3)]. The FHWA has the authority to establish other target
24 compliance dates for implementation of particular changes to the MUTCD [23 CFR 655.603(d)(~~4~~)(1)].
25 These target compliance dates established by the FHWA shall be as follows:

26 Section 2A.06 Design of Signs—e-mail addresses prohibited on signs—10 years from the effective date
27 of the Final Rule for the 2009 MUTCD.

28 Section 2A.12 Symbols—use of symbols from one type of sign on a different type of sign—10 years
29 from the effective date of the Final Rule for the 2009 MUTCD.

30 Section 2A.13 Word Messages—ratio of letter height to legibility distance for sign letter sizes should be
31 based on 1:30 ratio—10 years from the effective date of the Final Rule for the 2009 MUTCD.

32 Section 2A.19 Lateral Offset—crashworthiness of sign supports—January 17, 2013 for roads with
33 posted speed limit of 80 km/h (50 mph) or higher.

34 Section 2B.03 Size of Regulatory Signs—increased sign sizes and other changes to Table 2B-1 in 2003
35 MUTCD—10 years from the effective date of the Final Rule for the 2003 MUTCD December 22,
36 2013. edited to increase clarity now that the effective date is known

37 Section 2B.03 Size of Regulatory Signs—increased sign sizes and other changes to Table 2B-1 in 2009
38 MUTCD—10 years from the effective date of the Final Rule for the 2009 MUTCD.

39 Section 2B.03 Size of Regulatory Signs—required sign sizes for multi-lane roadways in new Table 2B-2
40 in 2009 MUTCD—10 years from the effective date of the Final Rule for the 2009 MUTCD.

41 ~~Section 2B.04 STOP Sign (R1-1)—4-WAY plaque requirement—January 17, 2004. no longer relevant~~

42 ~~Section 2B.06 STOP Sign Placement—signs mounted on back of STOP sign—10 years from the~~
43 ~~effective date of the Final Rule for the 2003 MUTCD. deleted because it is now incorporated into~~
44 ~~the Section 2B.10 compliance date~~

45 Section 2B.09 YIELD Sign Applications—changes in YIELD sign application criteria from the 1988
46 MUTCD—January 17, 2011.

47 Section 2B.10 STOP sign or YIELD Sign Placement—signs mounted prohibition of items on back of
48 STOP or YIELD signs and Guidance on other signs back-to-back with STOP or YIELD signs not
49 obscuring shape and deletion of exception for DO NOT ENTER signs—10 years from the effective
50 date of the Final Rule for the ~~2003~~ 2009 MUTCD. former item superseded by new item

51 Section 2B.11 Yield Here To Pedestrians Signs and Stop Here For Pedestrians Signs (R1-5, ~~R1-5a~~
52 Series)—new Section in 2003 MUTCD added to increase accuracy—10 years from the effective
53 date of the Final Rule for the 2003 MUTCD December 22, 2013. edited to increase clarity now that
54 the effective date is known

1 Section 2B.12 In-Street and Overhead Pedestrian Crossing Signs (R1-6, R1-6a, R1-9, and R1-9a)—new
2 Overhead Pedestrian Crossing (R1-9 or R1-9a) signs—10 years from the effective date of the Final
3 Rule for the 2009 MUTCD.

4 Section 2B.12 In-Street and Overhead Pedestrian Crossing Signs (R1-6, R1-6a, R1-9, and R1-9a)—
5 special support requirements for in-street signs—5 years from the effective date of the Final Rule
6 for the 2009 MUTCD.

7 **Section 2B.13 Speed Limit Sign (R2-1)—color of changeable message legend of YOUR SPEED**
8 **legend—10 years from the effective date of the Final Rule for the 2003 MUTCD December 22, 2013.**
9 **edited to increase clarity now that the effective date is known**

10 Section 2B.19 Intersection Lane Control Signs (R3-5 through R3-8)—overhead lane-use signs should be
11 provided for lane drops and shared through/turn lanes at signalized locations—10 years from the
12 effective date of the Final Rule for the 2009 MUTCD.

13 **Section 2B.25 Reversible Lane Control Signs (R3-9d, R3-9f through R3-9i)—removal of R3-9c and R3-**
14 **9e signs—10 years from the effective date of the Final Rule for the 2003 MUTCD December 22,**
15 **2013. edited to increase clarity now that the effective date is known**

16 **Sections 2B.26 through 2B.30 Regulatory Signs for Preferential Only Lanes Signs (R3-10 through R3-**
17 **15)—10 years from the effective date of the Final Rule for the 2003 MUTCD December 22, 2013.**
18 **edited to increase clarity now that the effective date is known**

19 ~~Section 2B.27 Preferential Only Lanes for High Occupancy Vehicles (HOVs)—new section in~~
20 ~~Millennium Edition—January 17, 2007, no longer relevant~~

21 ~~Section 2B.28 Preferential Only Lane Sign Applications and Placement—10 years from the effective~~
22 ~~date of the Final Rule for the 2003 MUTCD, deleted because it is now incorporated into the~~
23 ~~Sections 2B.26 through 2B.30 compliance date~~

24 Section 2B.31 Regulatory Signs for Toll Plazas—regulatory signs for toll plazas—10 years from the
25 effective date of the Final Rule for the 2009 MUTCD.

26 Section 2B.32 Regulatory Signs for Managed Lanes and ETC Only Lanes—regulatory signs for
27 managed lanes and ETC only lanes—10 years from the effective date of the Final Rule for the 2009
28 MUTCD.

29 Section 2B.33 Jughandle Signs (R3-23, R3-24, R3-25, and R3-26 Series)—regulatory signs for
30 jughandles—10 years from the effective date of the Final Rule for the 2009 MUTCD.

31 Section 2B.35 DO NOT PASS WHEN SOLID LINE IS ON YOUR SIDE Sign (R4-15)—new R4-15
32 sign—10 years from the effective date of the Final Rule for the 2009 MUTCD.

33 ~~Section 2B.37 ONE WAY Signs (R6-1, R6-2)—placement requirement at intersecting alleys—January~~
34 ~~17, 2008, no longer relevant~~

35 Section 2B.43 Slow Vehicle Turn-Out Signs (R4-12, R4-13, and R4-14)—new slow vehicle turn-out
36 signs—10 years from the effective date of the Final Rule for the 2009 MUTCD.

37 Section 2B.46 Selective Exclusion Signs—new legends for various selective exclusion signs—10 years
38 from the effective date of the Final Rule for the 2009 MUTCD.

39 Section 2B.47 ONE WAY Signs (R6-1, R6-2)—new requirement for ONE WAY signs—10 years from
40 the effective date of the Final Rule for the 2009 MUTCD.

41 Section 2B.49 Divided Highway Crossing Signs (R6-3, R6-3a)—required use of Divided Highway
42 Crossing signs—10 years from the effective date of the Final Rule for the 2009 MUTCD.

43 Sections 2B.50 and 2B.51 Roundabout Signs—new regulatory signs for roundabouts—10 years from
44 the effective date of the Final Rule for the 2009 MUTCD.

45 Section 2B.54 Design of Parking, Standing, and Stopping Signs—new signs for fee parking—10 years
46 from the effective date of the Final Rule for the 2009 MUTCD.

47 Section 2B.59 Traffic Signal Signs (R10-1 through R10-32P)—changes to R10-1 through R10-4 series of
48 pedestrian signs, and new signs and new designs for various traffic signal signs in Figure 2B-30—10
49 years from the effective date of the Final Rule for the 2009 MUTCD.

50 **Section 2B.60 Photo Enforced Signs and Plaques (R10-18, R10-19P, R10-19aP)—new Section in 2003**
51 **MUTCD added to increase accuracy—10 years from the effective date of the Final Rule for the**
52 **2003 MUTCD December 22, 2013. edited to increase clarity now that the effective date is known**

- 1 Section 2B.61 Ramp Metering Signs (R10-28 and R10-29)—new ramp metering signs—10 years from
2 the effective date of the Final Rule for the 2009 MUTCD.
- 3 Section 2B.65 Weigh Station Signs (R13 Series)—new design and legend for R13-1 sign—10 years from
4 the effective date of the Final Rule for the 2009 MUTCD.
- 5 Section 2B.67 Hazardous Material Signs (R14-2, R14-3)—change in sign legend—~~10 years from the~~
6 ~~effective date of the Final Rule for the 2003 MUTCD~~ December 22, 2013. **edited to increase clarity**
7 now that the effective date is known
- 8 Section 2B.69 Headlight Use Signs (R16-5 through R16-12)—new headlight use signs—10 years from
9 the effective date of the Final Rule for the 2009 MUTCD.
- 10 Section 2B.70 Miscellaneous Regulatory Signs—new R16-4 sign—10 years from the effective date of
11 the Final Rule for the 2009 MUTCD.
- 12 Section 2C.03 Design of Warning Signs—use of fluorescent yellow-green background color for
13 pedestrian, bicycle, school, and playground signs and their related supplemental plaques—10 years
14 from the effective date of the Final Rule for the 2009 MUTCD.
- 15 ~~Section 2C.04 Size of Warning Signs—increased sizes of W4-1, W5-2, W6-3, and W12-1 signs—~~
16 ~~January 17, 2008. **no longer relevant**~~
- 17 Section 2C.04 Size of Warning Signs—sizes of W1 Series Arrows signs, ~~W7 Series runaway truck signs,~~
18 ~~superseded by new Section 2F.12 W12-2p W12-2a~~ **edited to increase accuracy** low clearance signs,
19 and W10-1 advance grade crossing sign—~~10 years from the effective date of the Final Rule for the~~
20 ~~2003 MUTCD~~ December 22, 2013. **edited to increase clarity now that the effective date is known**
- 21 Section 2C.04 Size of Warning Signs—size of warning signs on multi-lane roads and changes in sizes in
22 Table 2C-2—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 23 Section 2C.05 Placement of Warning Signs—revisions in Table 2C-4—10 years from the effective date
24 of the Final Rule for the 2009 MUTCD.
- 25 Sections 2C.06 through 2C.14 Horizontal Alignment Warning Signs—revised requirements regarding
26 various horizontal alignment signs—10 years from the effective date of the Final Rule for the 2009
27 MUTCD.
- 28 Section 2C.13 Truck Rollover Warning Signs (W1-13, ~~W1-13a~~)—new Section in 2003 MUTCD **added**
29 **to increase accuracy**—~~10 years from the effective date of the Final Rule for the 2003 MUTCD~~
30 December 22, 2013. **edited to increase clarity now that the effective date is known**
- 31 Section 2C.14 Advisory Exit and Ramp Speed Signs (W13-2 and W13-3)—elimination of Curve Speed
32 (W13-5) warning sign—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 33 Section 2C.19 NARROW BRIDGE Sign (W5-2)—elimination of symbol sign—~~10 years from the~~
34 ~~effective date of the Final Rule for the 2003 MUTCD~~ December 22, 2013. **edited to increase clarity**
35 now that the effective date is known
- 36 Section 2C.21 Divided Highway Sign (W6-1)—removal of W6-1a and W6-1b word message signs—10
37 years from the effective date of the Final Rule for the 2009 MUTCD.
- 38 Section 2C.22 Divided Highway Ends Sign (W6-2)—removal of W6-2a and W6-2b word message
39 signs—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 40 Section 2C.23 Freeway or Expressway Ends Signs (W19 Series)—new W19 series signs—10 years from
41 the effective date of the Final Rule for the 2009 MUTCD.
- 42 Section 2C.29 PAVEMENT ENDS Sign (W8-3)—removal of symbol sign—January 17, 2011.
- 43 Section 2C.30 Shoulder and Uneven Lanes Signs (W8-4, W8-9, ~~and W8-9a~~ W8-17, and W8-23)—
44 ~~removal of new symbol design for W8-17 signs—January 17, 2011~~ 10 years from the effective date
45 of the Final Rule for the 2009 MUTCD. **new item supersedes previous item**
- 46 Section 2C.31 Surface Condition Signs (W8-5, W8-7, W8-8, W8-13, and W8-14)—new W8-14 symbol
47 sign—10 years from the effective date of the Final Rule for the 2009 MUTCD.
- 48 Section 2C.32 Warning Signs and Plaques for Motorcyclists (W8-15, W8-15P, and W8-16)—new W8-
49 15 and W8-16 signs and new W8-15P plaque—10 years from the effective date of the Final Rule for
50 the 2009 MUTCD.
- 51 Section 2C.34 Weather Condition Signs (W8-18, W8-19, W8-21, and W8-22)—new signs for weather
52 conditions—10 years from the effective date of the Final Rule for the 2009 MUTCD.

- 1 [Section 2C.35 Advance Traffic Control Signs \(W3-1, W3-2, W3-3, W3-4\)—removal of W3-1a, W3-2a,](#)
2 [W3-3a word message signs—10 years from the effective date of the Final Rule for the 2009](#)
3 [MUTCD.](#)
- 4 [Section 2C.36 Advance Ramp Control Signal Signs \(W3-7 and W3-8\)—new signs for ramp metering—](#)
5 [10 years from the effective date of the Final Rule for the 2009 MUTCD.](#)
- 6 [Section 2C.37 Reduced Speed ~~Reduction~~ Limit Ahead](#) [edited to increase consistency](#) Signs (W3-5, W3-
7 5a)—removal of R2-5 Series Reduced Speed Ahead signs and use of W3-5 or W3-5a warning signs
8 instead—~~15 years from the effective date of the Final Rule for the 2003 MUTCD~~ [December 22,](#)
9 [2018.](#) [edited to increase clarity now that the effective date is known](#)
- 10 [Section 2C.39 Merge Signs \(W4-1, W4-5\)—Entering Roadway Merge sign \(~~W4-1a~~ W4-5](#) [edited to](#)
11 [increase accuracy\)](#)—~~10 years from the effective date of the Final Rule for the 2003 MUTCD~~
12 [December 22, 2013.](#) [edited to increase clarity now that the effective date is known](#)
- 13 [Section 2C.40 Added Lane Signs \(W4-3, W4-6\)—Entering Roadway Added Lane sign \(~~W4-3a~~ W4-6](#)
14 [edited to increase accuracy\)](#)—~~10 years from the effective date of the Final Rule for the 2003-~~
15 [MUTCD](#) [December 22, 2013.](#) [edited to increase clarity now that the effective date is known](#)
- 16 [Section 2C.41 Lane Ends Signs \(W4-2, W4-7, W9-1, W9-2\)—new design of W4-2 sign—](#)~~10 years from-~~
17 [the effective date of the Final Rule for the 2003 MUTCD](#) [December 22, 2013.](#) [edited to increase](#)
18 [clarity now that the effective date is known](#)
- 19 [Section 2C.42 RIGHT \(LEFT\) LANE EXIT ONLY AHEAD Sign \(W9-7\)—new W9-7 sign—10 years](#)
20 [from the effective date of the Final Rule for the 2009 MUTCD.](#)
- 21 [Sections 2C.43 and 2C.44 Toll Facility Signs—new signs for toll facilities—10 years from the effective](#)
22 [date of the Final Rule for the 2009 MUTCD.](#)
- 23 [Section 2C.45 Two-Way Traffic Sign \(W6-3\)—transition from one-way street—](#)~~5 years from the~~
24 [effective date of the Final Rule for the 2003 MUTCD](#) [December 22, 2008.](#) [edited to increase clarity](#)
25 [now that the effective date is known](#)
- 26 [Section 2C.48 Intersection Warning Signs \(W2-1 through W2-8\)—new design of Circular Intersection](#)
27 [\(W2-6\) sign—](#)~~10 years from the effective date of the Final Rule for the 2003 MUTCD~~ [December 22,](#)
28 [2013.](#) [edited to increase clarity now that the effective date is known](#)
- 29 [Section 2C.51 Vehicular Traffic Signs \(W8-6, W11-1, W11-5, W11-5a, W11-8, W11-10, W11-11, W11-](#)
30 [12P, W11-14, and W11-15\)—new symbol signs W11-1, W11-5, W11-5a, W11-6, W11-11, and W11-](#)
31 [14—](#)~~10 years from the effective date of the Final Rule for the 2003 MUTCD~~ [December 22, 2013.](#)
32 [edited to increase clarity now that the effective date is known](#)
- 33 [Section 2C.51 Vehicular Traffic Signs \(W8-6, W11-1, W11-5, W11-5a, W11-8, W11-10, W11-11, W11-](#)
34 [12P, W11-14, and W11-15\)—new W11-15 symbol sign—10 years from the effective date of the Final](#)
35 [Rule for the 2009 MUTCD.](#)
- 36 [Section 2C.52 Nonvehicular Signs \(W11-2, W11-3, W11-4, W11-6, W11-7, W11-9, and W11-16 through](#)
37 [W11-22\)—elimination of crosswalk lines from crossing signs and use of diagonal downward](#)
38 [pointing arrow \(W16-7P\) supplemental plaque if at the crossing—January 17, 2011.](#)
- 39 [Section 2C.52 Nonvehicular Signs \(W11-2, W11-3, W11-4, W11-6, W11-7, W11-9, and W11-16 through](#)
40 [W11-22\)—required use of fluorescent yellow-green background color for school signs and their](#)
41 [related supplemental plaques—10 years from the effective date of the Final Rule for the 2009](#)
42 [MUTCD.](#)
- 43 [Section 2C.52 Nonvehicular Signs \(W11-2, W11-3, W11-4, W11-6, W11-7, W11-9, and W11-16 through](#)
44 [W11-22\)—recommended use of fluorescent yellow-green background color for pedestrian, bicycle,](#)
45 [and playground signs and their related supplemental plaques—10 years from the effective date of](#)
46 [the Final Rule for the 2009 MUTCD.](#)
- 47 [Section 2C.52 Nonvehicular Signs \(W11-2, W11-3, W11-4, W11-6, W11-7, W11-9, and W11-16 through](#)
48 [W11-22\)—new W11-16 through W11-22 symbol signs for various large animals—10 years from the](#)
49 [effective date of the Final Rule for the 2009 MUTCD.](#)
- 50 [Section 2C.54 NEW TRAFFIC PATTERN AHEAD Sign \(W23-2\)—new W23-2 sign—10 years from](#)
51 [the effective date of the Final Rule for the 2009 MUTCD.](#)

1 Section 2C.61 Advance Street Name Plaque (W16-8P, W16-8aP)—requirement to use a combination of
2 lower-case letters with initial upper-case letters—15 years from the effective date of the Final Rule
3 for the 2009 MUTCD.

4 Section 2C.65 PHOTO ENFORCED Plaque (W16-10P)—new Section in 2003 MUTCD added to
5 increase accuracy—10 years from the effective date of the Final Rule for the 2003 MUTCD
6 December 22, 2013. edited to increase clarity now that the effective date is known

7 Section 2C.67 NEW Plaque (W16-15P)—new W16-15P plaque—2 years from the effective date of the
8 Final Rule for the 2009 MUTCD.

9 Sections 2C.68 and 2C.69 Toll Facility Plaques—new plaques for toll facilities—10 years from the
10 effective date of the Final Rule for the 2009 MUTCD.

11 Section 2D.05 Lettering Style—elimination of the practice for names of places, streets, and highways on
12 conventional road guide signs of using all upper-case letters—15 years from the effective date of the
13 Final Rule for the 2009 MUTCD.

14 Section 2D.08 Arrows—requirements for design and positioning of down arrows on overhead guide
15 signs—15 years from the effective date of the Final Rule for the 2009 MUTCD.

16 Section 2D.25 TOLL Auxiliary Sign (M4-15)—requirement for use of TOLL auxiliary sign—5 years
17 from the effective date of the Final Rule for the 2009 MUTCD.

18 Section 2D.26 Electronic Toll Collection (ETC) Only Auxiliary Signs (M4-16 and M4-20)—
19 requirement for use of ETC Only auxiliary sign—5 years from the effective date of the Final Rule
20 for the 2009 MUTCD.

21 Section 2D.35 Combination Lane Use/Destination Overhead Guide Sign (D15-1)—design of combined
22 lane-use/destination overhead guide signs—10 years from the effective date of the Final Rule for the
23 2009 MUTCD.

24 Section 2D.45 Street Name Signs (D3-1 or D3-1a)—symbol sizes, 150 mm (6 in) letter sizes height for
25 lettering on ground- post-mounted edited to increase consistency Street Name signs (except on
26 roads that are not multi-lane streets with speed limits greater than 60 km/h (40 mph), other new
27 provisions of Millennium Edition—January 9, 2012.

28 Section 2D.45 Street Name Signs (D3-1 or D3-1a)—200 mm (8 in) letter sizes height on ground- post-
29 mounted edited to increase consistency signs on multi-lane streets with speed limits greater than 60
30 km/h (40 mph) and 300 mm (12 in) letter sizes height on overhead-mounted edited to increase
31 consistency signs—15 years from the effective date of the Final Rule for the 2003 MUTCD
32 December 22, 2018. edited to increase clarity now that the effective date is known

33 Section 2D.45 Street Name Signs (D3-1 or D3-1a)—pictograph on street name sign should be to right of
34 street name—15 years from the effective date of the Final Rule for the 2009 MUTCD.

35 Section 2D.45 Street Name Signs (D3-1 or D3-1a)—limitations on alternative colors for street name
36 signs—15 years from the effective date of the Final Rule for the 2009 MUTCD.

37 Section 2D.46 Advance Street Name Signs (D3-2)—new Section in 2000 MUTCD and revisions in 2003
38 MUTCD—15 years from the effective date of the Final Rule for the 2003 MUTCD December 22,
39 2018. edited to increase clarity now that the effective date is known

40 ~~Section 2D.45 General Service Signs (D9 Series)—Traveler Info Call 511 (D12-5) sign, Channel 9~~
41 ~~Monitored (D12-3) sign—10 years from the effective date of the Final Rule for the 2003 MUTCD,~~
42 ~~this item is now shown as compliance dates for Sections 2F.07 and 2F.08~~

43 Section 2D.47 Signing on Conventional Roads on Approaches to Interchanges—requirement for multi-
44 lane approaches to interchanges to have guide signs to identify which direction of turn is to be made
45 for access to each direction of the freeway or expressway—10 years from the effective date of the
46 Final Rule for the 2009 MUTCD.

47 Section 2D.52 Community Wayfinding Signs—community wayfinding signs—15 years from the
48 effective date of the Final Rule for the 2009 MUTCD.

49 Section 2D.53 Truck, Passing, or Climbing Lane Signs (D17-1 and D17-2)—new designs for truck lane
50 signs—10 years from the effective date of the Final Rule for the 2009 MUTCD.

51 Section 2D.54 Slow Vehicle Turn-Out Sign (D17-7)—new D17-7 sign—10 years from the effective date
52 of the Final Rule for the 2009 MUTCD.

1 Section 2E.19 Arrows for Interchange Guide Signs—requirements for design and positioning of down
2 arrows on overhead guide signs—15 years from the effective date of the Final Rule for the 2009
3 MUTCD.

4 Section 2E.20 Diagrammatic Signs—new design and placement requirements for diagrammatic signs—
5 15 years from the effective date of the Final Rule for the 2009 MUTCD.

6 Section 2E.21 Signing for Interchange Lane Drops—new requirements for use of EXIT ONLY and
7 down arrows for lane drops—15 years from the effective date of the Final Rule for the 2009
8 MUTCD.

9 ~~Section 2E.28 Interchange Exit Numbering—size of exit number plaque—January 17, 2008.~~ **no longer**
10 **relevant**

11 Section 2E.27 Interchange Exit Numbering—LEFT on exit number plaques for left-hand exits—
12 ~~5~~ years from the effective date of the Final Rule for the 2003 MUTCD **December 22, 2018.** **change**
13 **from 5 to 15 years is from errata list for 2003 MUTCD – edited to increase clarity now that the**
14 **effective date is known**

15 Sections 2E.27 Interchange Exit Numbering—required use of the reference location exit numbering
16 system—10 years from the effective date of the Final Rule for the 2009 MUTCD.

17 Sections 2E.29, 2E.32, and 2E.36 Freeway and Expressway Guide Signing—black-on-yellow LEFT sign
18 panel requirements—10 years from the effective date of the Final Rule for the 2009 MUTCD.

19 ~~Section 2E.30 Advance Guide Signs—advance placement distance—January 17, 2008.~~ **no longer**
20 **relevant**

21 Sections 2E.51 to through 2E.54 Preferential Only Lane Guide Signs—new Section (2E.59) in the 2003
22 ~~Edition~~ MUTCD—10 years from the effective date of the Final Rule for the 2003 MUTCD
23 December 22, 2013. **edited to increase clarity now that the effective date is known**

24 Sections 2E.51 through 2E.54 Preferential Lane Guide Signs—new provisions in the 2009 MUTCD for
25 preferential lane guide signing—10 years from the effective date of the Final Rule for the 2009
26 MUTCD.

27 Sections 2E.55 through 2E.60 Toll Facility and Toll Plaza Signs—new provisions regarding toll facility
28 and toll plaza signing—10 years from the effective date of the Final Rule for the 2009 MUTCD.

29 Section 2E.61 Guide Signs for Managed Lanes—new provisions for guide signs for managed lanes—5
30 years from the effective date of the Final Rule for the 2009 MUTCD.

31 Section 2F.02 General Service Signs for Conventional Roads—new designs for the D9-10 and D9-16
32 signs—10 years from the effective date of the Final Rule for the 2009 MUTCD.

33 Section 2F.04 Interstate Oasis Signing—Interstate Oasis signing—10 years from the effective date of
34 the Final Rule for the 2009 MUTCD.

35 Section 2F.05 Rest Area and Other Roadside Area Signs—new D9-21 and D9-22 signs—10 years from
36 the effective date of the Final Rule for the 2009 MUTCD.

37 Section 2F.07 Radio Information Signing—Channel 9 Monitored (D12-3) sign—December 22, 2013.
38 **this item was previously shown as a compliance date for Section 2D.45**

39 Section 2F.08 TRAVEL INFO CALL 511 Sign (D12-5)—December 22, 2013. **this item was previously**
40 **shown as a compliance date for Section 2D.45**

41 Section 2F.10 Brake Check Area Signs (D5-13 and D5-14)—new signs—10 years from the effective date
42 of the Final Rule for the 2009 MUTCD.

43 Section 2F.11 Chain Up Area Signs (D5-15 and D5-16)—new signs—10 years from the effective date of
44 the Final Rule for the 2009 MUTCD.

45 Section 2F.12 Truck Escape Ramp Signs (D17-3, D17-4, and D17-5)—new sign designs (colors)—10
46 years from the effective date of the Final Rule for the 2009 MUTCD.

47 Section 2G.03 Logos and Logo Sign Panels—design and location of RV Access message on logo sign
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49 Section 2G.03 Logos and Logo Sign Panels—new provisions in this Section other than the design and
50 location of RV Access message on logo sign panels—15 years from the effective date of the Final
51 Rule for the 2009 MUTCD.

1 Section 2G.05 Size of Lettering—minimum height of letters and numerals on specific service signs—
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3 Section 2G.05 Size of Lettering—letter sizes for word legend only logo sign panels—10 years from the
4 effective date of the Final Rule for the 2009 MUTCD.

5 Section 2I.01 Reference Location Signs (D10-1 through D10-3) and Intermediate Reference Location
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7 Intermediate Reference Location signs—~~10 years from the effective date of the Final Rule for the~~
8 ~~2003 MUTCD~~ December 22, 2013. **edited to increase clarity now that the effective date is known**

9 Section 2I.03 ~~Reference Location Signs and~~ Enhanced Reference Location Signs (D10-4, D10-5)—
10 design of Enhanced Reference Location signs and Intermediate Enhanced Reference Location
11 signs—~~10 years from the effective date of the Final Rule for the 2003 MUTCD~~ December 22, 2013.
12 **edited to increase clarity now that the effective date is known**

13 Section 2I.09 Acknowledgement Signs—new provisions for acknowledgement signs—10 years from the
14 effective date of the Final Rule for the 2009 MUTCD.

15 Section 2J.04 General Design Requirements for Recreational and Cultural Interest Area Symbol Guide
16 Signs—new designs for various recreational and cultural interest area signs—10 years from the
17 effective date of the Final Rule for the 2009 MUTCD.

18 Section 2K.03 Evacuation Route Signs (EM-1 and EM-1a)—new design and size of EM-1 sign—~~15~~
19 ~~years from the effective date of the Final Rule for the 2003 MUTCD~~ December 22, 2018. **edited to**
20 **increase clarity now that the effective date is known**

21 Section ~~3C.01~~ 2L.01 Object Marker Design and Placement Height—width of stripes on Type 3 striped
22 marker—~~10 years from the effective date of the Final Rule for the 2003 MUTCD~~ December 22,
23 2013. **edited to increase clarity now that the effective date is known**

24 Chapter 2M Changeable Message Signs—new provisions for changeable message signs—10 years from
25 the effective date of the Final Rule for the 2009 MUTCD.

26 ~~Section 3B.01 Yellow Centerline Pavement Markings and Warrants—new section in Millennium~~
27 ~~Edition—January 3, 2003.~~ **no longer relevant**

28 Section 3B.03 Other Yellow Longitudinal Pavement Markings—spacing requirements for pavement
29 marking arrows in two-way left-turn lanes—~~5 years from the effective date of the Final Rule for the~~
30 ~~2003 MUTCD~~ December 22, 2008. **edited to increase clarity now that the effective date is known**

31 Sections 3B.04 and 3B.05 White Longitudinal Pavement Markings—dotted lines required for
32 acceleration, deceleration, and auxiliary lanes—5 years from the effective date of the Final Rule for
33 the 2009 MUTCD.

34 Section 3B.05 Other White Longitudinal Pavement Markings—required locations for channelizing
35 lines at exit and entrance ramp gores—5 years from the effective date of the Final Rule for the 2009
36 MUTCD.

37 ~~Section 3B.07 Warrants for Use of Edge Lines—new section in Millennium Edition—January 3, 2003.~~
38 **no longer relevant**

39 Section 3B.09 Lane Reduction Transition Markings—use of dotted lines for lane reductions—5 years
40 from the effective date of the Final Rule for the 2009 MUTCD.

41 Section 3B.16 Stop and Yield Lines—stop lines shall not be used for yield conditions—5 years from the
42 effective date of the Final Rule for the 2009 MUTCD.

43 Section 3B.17 Do Not Block Intersection Markings—new Section—5 years from the effective date of
44 the Final Rule for the 2009 MUTCD.

45 Section 3B.18 Crosswalk Markings—gap between transverse lines of a crosswalk—~~10 years from the~~
46 ~~effective date of the Final Rule for the 2003 MUTCD~~ December 22, 2013. **edited to increase clarity**
47 **now that the effective date is known**

48 Section 3B.20 Pavement Word, ~~and~~ Symbol, and Arrow Markings—~~typical~~ spacing of lane-use arrows
49 in two-way left-turn lanes shown in Figure 3B-7—~~5 years from the effective date of the Final Rule~~
50 ~~for the 2003 MUTCD~~ December 22, 2008. **edited to increase clarity now that the effective date is**
51 **known**

1 Section 3B.20 Pavement Word, Symbol, and Arrow Markings—lane-use arrows should be used for
2 certain conditions and should be located in certain positions—5 years from the effective date of the
3 Final Rule for the 2009 MUTCD.

4 Section 3B.20 Pavement Word, Symbol, and Arrow Markings—ONLY marking should be used with
5 turn arrows in dropped lanes—5 years from the effective date of the Final Rule for the 2009
6 MUTCD.

7 Section 3B.20 Pavement Word, Symbol, and Arrow Markings—lane reduction arrow should be used
8 where speed is 70 km/h (45 mph) or above—5 years from the effective date of the Final Rule for the
9 2009 MUTCD.

10 Section 3B.22 Speed Reduction Markings—new Section—5 years from the effective date of the Final
11 Rule for the 2009 MUTCD.

12 Section 3B.24 Preferential Lane Word and Symbol Markings—preferential lane markings for ETC
13 only lanes—5 years from the effective date of the Final Rule for the 2009 MUTCD.

14 Section 3B.25 Preferential Lane Longitudinal Markings for Motor Vehicles—markings for buffer-
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16 the 2009 MUTCD.

17 Section 3B.26 Chevron and Diagonal Crosshatching Markings—requirement to use chevron markings
18 in gores rather than optional diagonal markings—5 years from the effective date of the Final Rule
19 for the 2009 MUTCD.

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21 be as depicted—5 years from the effective date of the Final Rule for the 2009 MUTCD.

22 Section 3B.29 Markings for Toll Plazas—recommended use of solid lane lines and required design of
23 optional purple markings—5 years from the effective date of the Final Rule for the 2009 MUTCD.

24 Chapter 3C Roundabout Markings—changes from existing requirements and recommendations—5
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26 Section 3D.03 Delineator Application—delineators should be used with guardrail or longitudinal
27 barriers—10 years from the effective date of the Final Rule for the 2009 MUTCD.

28 Section 4C.04 Warrant 3, Peak Hour—signal should be actuated if this is only warrant met—15 years
29 from the effective date of the Final Rule for the 2009 MUTCD.

30 Section 4C.05 Warrant 4, Pedestrian Volume—signal should also control side street or driveway if
31 installed at such location based on this warrant only—15 years from the effective date of the Final
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33 Section 4C.06 Warrant 5, School Crossing—signal should also control side street or driveway if
34 installed at such location based on this warrant only—15 years from the effective date of the Final
35 Rule for the 2009 MUTCD.

36 **Section 4D.01 General—location of signalized midblock crosswalks—~~10 years from the effective date of~~**
37 **~~the Final Rule for the 2003 MUTCD~~ December 22, 2013. edited to increase clarity now that the**
38 **effective date is known**

39 Section 4D.04 Signal Indications – Design, Illumination, Color, and Shape—strobes shall not be used—
40 5 years from the effective date of the Final Rule for the 2009 MUTCD.

41 **Section ~~4D.05~~ 4D.10 Application of Steady Signal Indications—Item B.4 in the third paragraph of the**
42 **Standard edited to increase consistency—~~5 years from the effective date of the Final Rule for the~~**
43 **~~2003 MUTCD~~ December 22, 2008. edited to increase clarity now that the effective date is known**

44 Section 4D.11 Number of Signal Faces on an Approach—various recommendations for signal displays
45 for approaches with speeds of more than 60 km/h or more than 40 mph—15 years from the effective
46 date of the Final Rule for the 2009 MUTCD.

47 Section 4D.12 Visibility, Aiming, and Shielding of Signal Faces—backplates should be used for
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52 date of the Final Rule for the 2009 MUTCD.

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28 Section 4D.34 Use of Signs at Signalized Locations—overhead lane-use signs should be provided for
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31 ~~Section 4E.06 Accessible Pedestrian Signals—new section in Millennium Edition—January 17, 2005,~~
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40 **increase clarity now that the effective date is known**

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4 Section 6F.61 Cones—width of retroreflective stripes—~~5 years from the effective date of the Final Rule~~
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6 known

7 ~~Section 6F.63 Type I, II, or III Barricades—crashworthiness—January 17, 2005.~~ no longer relevant

8 ~~Section 6F.66 Longitudinal Channelizing Barricades—crashworthiness—January 17, 2005.~~ no longer
9 relevant

10 Section 6F.70 Temporary Lane Separators—new Section—5 years from the effective date of the Final
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3 **increase clarity now that the effective date is known**

4 Section 8C.08 Traffic Control Signals at or Near Highway-Rail Grade Crossings—signals with railroad
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15 ~~Section 9B.04 Bicycle Lane Signs (R3-17, R3-17a, R3-17b)—deletion of preferential lane symbol~~
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1 Section 10D.01 Introduction—audible device requirement—5 years from the effective date of the Final
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11 Chapter 10F Pathway-Light Rail Transit Grade Crossings—new Chapter—5 years from the effective
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13 Option:

14 In order for maintenance personnel to understand what to do when replacing a damaged non-compliant
15 traffic control device, agencies may establish a policy regarding whether to replace the device in kind or to
16 replace it with a compliant device.

17 Support:

18 Often it is desirable to upgrade to a compliant device at the time of this maintenance of a damaged device.
19 However, it might be appropriate to replace the damaged non-compliant device in kind at the time of this
20 maintenance activity if engineering judgment indicates that:

- 21 A. One compliant device in the midst of a series of adjacent non-compliant devices could potentially be
22 confusing to road users; and/or
23 B. The anticipated schedule for replacement of the whole series of non-compliant devices will result in
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