

Ohio
Manual of
Uniform
Traffic
Control
Devices



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Ohio Department of Transportation
Office of Traffic Engineering

**Ohio Department of Transportation
Office of Traffic Engineering
1980 W. Broad St., P.O. Box 899**

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<http://www.dot.state.oh.us/drrc/Pages/default.aspx>

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PREFACE

The “Ohio Manual of Uniform Traffic Control Devices for Streets and Highways” (OMUTCD) has been established to provide a safe, uniform and efficient system of traffic control devices on streets and highways within the State of Ohio. This Manual was prepared pursuant to Section 4511.09 of the Ohio Revised Code (see Appendix B2).

This Manual is in substantial conformance with the 2009 Edition of the “Manual on Uniform Traffic Control Devices for Streets and Highways” (MUTCD) as published by the U.S. Department of Transportation, Federal Highway Administration (FHWA), dated December 2009 and effective January 15, 2010. Most of the text of the OMUTCD is identical to that of the national MUTCD, while some has been modified to meet State laws or to more closely reflect conditions and policies in Ohio. References in this Manual to State Statutes should be understood to refer to the Ohio Revised Code (ORC).

Text in this Manual that is different from that in the MUTCD is shown using Arial font. For example, the text on this page is in Arial font. Text based on the MUTCD (except for Figures and Tables) is shown using Times New Roman font. See the address for AASHTO on the next page for an example of Times New Roman font.

Detail drawings for traffic control signs, along with supplemental details pertaining to standard signs and designable guide signs, can be found in the “Sign Designs and Markings Manual” (SDMM) published by the Ohio Department of Transportation (ODOT). The pavement marking alphabet and symbols are also shown in the SDMM.

Contact information for ordering the OMUTCD is provided on page ii. The OMUTCD, the ODOT “Traffic Engineering Manual” (TEM), and other ODOT publications are also available on-line from the ODOT website at <http://www.dot.state.oh.us/drrc/Pages/default.aspx>.

Improved designs and devices, signs for special applications and variations from standard sign designs and sizes which may be developed after the publication date of this Manual may be used in research or on an experimental basis. However, all such research and/or experimentation with new designs should be coordinated through ODOT (see Section 1A.10).

Addresses for Publications Referenced in the OMUTCD

American Automobile Association (AAA)
1000 AAA Drive
Heathrow, FL 32746
www.aaa.com
800-222-4357

American Association of State Highway and Transportation Officials (AASHTO)
444 North Capitol Street, NW, Suite 249
Washington, DC 20001
www.transportation.org
202-624-5800

American National Standards Institute (ANSI)
1819 L Street, NW, 6th Floor
Washington, DC 20036
www.ansi.org
202-293-8020

American Railway Engineering and Maintenance-of-Way Association (AREMA)
10003 Derekwood Lane, Suite 210
Landover, MD 20706
www.arema.org
301-459-3200

Federal Highway Administration (FHWA)
www.fhwa.dot.gov
For the MUTCD: <http://mutcd.fhwa.dot.gov/>

Federal Highway Administration Report Center
Facsimile number: 814-239-2156
E-mail: [report.center@fhwa.dot.gov/](mailto:report.center@fhwa.dot.gov)

Illuminating Engineering Society (IES)
120 Wall Street, Floor 17
New York, NY 10005
www.iesna.org
212-248-5000

Institute of Makers of Explosives
1120 19th Street, NW, Suite 310
Washington, DC 20036-3605
www.ime.org
202-429-9280

Institute of Transportation Engineers (ITE)
1099 14th Street, NW, Suite 300 West
Washington, DC 20005-3438
www.ite.org
202-289-0222

International Organization for Standardization
1, ch. de la Voie-Creuse
Case Postale 56
CH-1211
Geneva 20, Switzerland
www.iso.ch
011-41-22-749-0111

International Safety Equipment Association (ISEA)
1901 North Moore Street, Suite 808
Arlington, VA 22209
www.safetysafetyequipment.org
703-525-1695

National Committee on Uniform Traffic Laws and Ordinances (NCUTLO)
107 South West Street, Suite 110
Alexandria, VA 22314
www.ncutlo.org
800-807-5290

National Electrical Manufacturers Association (NEMA)
1300 North 17th Street, Suite 1752
Rosslyn, VA 22209
www.nema.org
703-841-3200

Occupational Safety and Health Administration (OSHA)
U.S. Department of Labor
200 Constitution Avenue, NW
Washington, DC 20210
www.osha.gov
800-321-6742

Office of Transportation Operations
Federal Highway Administration
400 Seventh Street, SW
Washington, DC 20590
www.ops.fhwa.dot.gov/siteindex.htm

Direct requests for permission to experiment or interim approval to the MUTCD Team at the following email address: MUTCDofficialrequest@dot.gov.

Transportation Research Board (TRB)
The National Academies
500 Fifth Street, NW
Washington, DC 20001
www.nas.edu/trb
202-334-3072

U.S. Architectural and Transportation Barriers Compliance Board (The U.S. Access Board)
1331 F Street, NW, Suite 1000
Washington, DC 20004-1111
www.access-board.gov
202-272-0080

Acknowledgments

The Ohio Department of Transportation (ODOT) gratefully acknowledges the valuable assistance provided by the Federal Highway Administration (FHWA), the Ohio Section of the Institute of Transportation Engineers (Ohio ITE), the County Engineers Association of Ohio (CEAO), the Ohio Contractor's Association (OCA) and other transportation professionals in the development of this Manual.

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OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES

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OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES

INTRODUCTION

Standard:

- 01 **As noted in Section 4511.01(QQ) of the Ohio Revised Code (ORC), traffic control devices shall mean:**

a flagger, sign, signal, marking, or other device used to regulate, warn, or guide traffic, placed on, over, or adjacent to a street, highway, private road open to public travel, pedestrian facility, or shared-use path by authority of a public agency or official having jurisdiction, or, in the case of a private road open to public travel, by authority of the private owner or private official having jurisdiction.

Support:

- 02 The “Ohio Manual of Uniform Traffic Control Devices” (OMUTCD) has been developed pursuant to Section 4511.09 of the ORC to establish standards for the use of traffic control devices in the State of Ohio. Sections 4511.10 and 4511.11 of the ORC address the responsibilities that ODOT, local highway authorities, and owners of private roads open to public travel have to place and maintain traffic control devices on all highways within their respective jurisdictions in conformance with the OMUTCD (see Appendix B2).

Standard:

- 03 **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:

- 04 Pictographs, as defined in Section 1A.13, are embedded in traffic control devices but the pictographs themselves are not considered traffic control devices for the purposes of Paragraph 4.

- 05 The need for uniform standards was recognized long ago. Ohio published its first recorded uniform traffic control standards manual in 1924, and subsequent editions and revisions of the Ohio Manual have in large part been updates to conform to changes in the national standards (see Table I-1). To encourage national uniformity, 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. To meet the need for unification of the standards applicable to the different classes of road and street systems, a joint committee of AASHO and NCSHS developed and published the original edition of the national 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 the national Manual. However, since 1971 the FHWA has administered the national MUTCD.

Standard:

- 06 **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 Federal Highway Administration (FHWA).**

Support:

- 07 Section 4511.09 of the Ohio Revised Code (see Appendix B2) requires the “Ohio Manual of Uniform Traffic Control Devices” to “correlate with, and so far as possible conform to” FHWA’s national MUTCD.

- 08 The Standard, Guidance, Option, and Support material described in the OMUTCD provide the transportation professional with the information needed to make appropriate decisions regarding the use of traffic control devices on streets, highways, bikeways and private roads open to public travel (see definition in Section 1A.13).

09 Throughout this Manual the headings Standard, Guidance, Option, and Support are used to classify the nature of the text that follows. Figures and tables, including the notes contained therein, supplement the text and might constitute a Standard, Guidance, Option, or Support. The user needs to refer to the appropriate text to classify the nature of the figure, table, or note contained therein.

Standard:

10 **When used in this Manual, the text headings of Standard, Guidance, Option, and Support shall be as defined in Paragraph 1 of Section 1A.13.**

Support:

11 Throughout this Manual dimensions, distances, etc. are provided in English units. Appendix D contains tables for converting each of the English unit numerical values that are used in this Manual to the equivalent Metric (International System of Units) values.

Standard:

12 **Metric legends shall not be used on traffic control signs.**

Guidance:

13 If Metric units are to be used in laying out distances or determining sizes of devices, such units should be specified on plan drawings and made known to those responsible for designing, installing, or maintaining traffic control devices.

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

Support:

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

16 There are nine Parts in this Manual and each Part is comprised of one or more Chapters. Each Chapter is comprised of one or more Sections. Parts are given a numerical identification, such as Part 2-Signs. Chapters are identified by the Part number and a letter, such as Chapter 2B-Regulatory Signs, Barricades, and Gates. Sections are identified by the Chapter number and letter followed by a decimal point and a number, such as Section 2B.03 - Size of Regulatory Signs.

17 Each Section is comprised of one or more paragraphs. The paragraphs are indented and are identified by a number. Paragraphs are counted from the beginning of each Section without regard to the intervening text headings (Standard, Guidance, Option, or Support). Some paragraphs have lettered or numbered items. As an example of how to cite this Manual, the phrase "Not less than 40 ft beyond the stop line" that appears in Section 4D.14 of this Manual would be referenced in writing as "Section 4D.15, P1, A.1," and would be verbally referenced as "Item A.1 of Paragraph 1 of Section 4D.14."

18 The MUTCD published by FHWA states that:

"In accordance with 23 CFR 655.603(b)(3), States or other Federal agencies that have their own MUTCDs or Supplements shall revise these MUTCDs or Supplements to be in substantial conformance with changes to the National MUTCD within 2 years of the effective date of the Final Rule for the changes. Substantial conformance of such State or other Federal agency MUTCDs or Supplements shall be as defined in 23 CFR 655.603(b)(1).

After the effective date of a new edition of the MUTCD or a revision thereto, or after the adoption thereof by the State, whichever occurs later, new or reconstructed devices installed shall be in compliance with the new edition or revision.

In cases involving Federal-aid projects for new highway or bikeway construction or reconstruction, the traffic control devices installed (temporary or permanent) shall be in conformance with the most recent edition of the National MUTCD before that highway is opened or re-opened to the public for unrestricted travel [23 CFR 655.603(d)(2) and (d)(3)].

Unless a particular device is no longer serviceable, non-compliant devices on existing highways and bikeways shall be brought into compliance with the current edition of the National MUTCD as part of the systematic upgrading of substandard traffic control devices (and installation of new required traffic control devices) required pursuant to the Highway Safety Program, 23 U.S.C. § 402(a). The FHWA has the authority to establish other target compliance dates for implementation of particular changes to the MUTCD [23 CFR 655.603(d)(1)].”

- 19 Target compliance dates established by the FHWA at the time of the 2009 MUTCD are shown in Table I-3. However, as of the time of printing of this edition of the OMUTCD, these FHWA compliance dates are under review. Further information on the current status of this review and a Final Rule on this subject, when published, are available from the FHWA’s website for the MUTCD at <http://mutcd.fhwa.dot.gov/>.

Standard

- 20 **Except as provided in Paragraph 21, when a non-compliant traffic control device is being replaced or refurbished because it is damaged, missing, or no longer serviceable for any reason, it shall be replaced with a compliant device.**

Option:

- 21 A damaged, missing, or otherwise non-serviceable device that is non-compliant may be replaced in kind at the time of this maintenance activity if engineering judgment indicates that:
- A. One compliant device in the midst of a series of adjacent non-compliant devices would be confusing to road users; and/or
 - B. The schedule for replacement of the whole series of non-compliant devices will result in achieving timely compliance with the OMUTCD.

Table I-1. Evolution of the OMUTCD

Edition	Name	Approval/Adopted	Effective Date
1924	Manual of Standard Signs and Marker		5/24
1934	Manual of Standard Signs, Markers, and Pavement Marking		7/34
1943	Ohio Manual of Uniform Traffic Control Devices		1943
1952	Ohio Manual of Uniform Traffic Control Devices		3/52
1956	Ohio Manual of Uniform Traffic Control Devices		4/56
1962	Ohio Manual of Uniform Traffic Control Devices, Supplement (Part 7 reprint) (Using Journal Entry system to record Director's "approval.")	Vol. 47: pg 885; dated 8/27/62	8/27/62
1963	Ohio Manual of Uniform Traffic Control Devices	Vol. 48: pg 770; dated 9/19/63 Vol. 52: pg 151; dated 3/3/67 Vol. 53: pg 108; dated 2/5/68 Vol. 54: pg 873; dated 9/15/69 Vol. 56: pg 174; dated 2/19/71	9/19/63 3/25/67 3/29/68 10/31/69 3/15/71
1972	Ohio Manual of Uniform Traffic Control Devices for Streets and Highways — transition period from 1963 Edition to 1972 Edition; there was an overlap during this period between the two manual editions. The 1975 revisions were distributed together on 7/1/1975.	Vol. 56: pg 997; dated 11/17/71 Vol. 57: pg 379; dated 4/13/72 Vol. 58: pg 179; dated 3/5/73 Vol. 58: pg 788; dated 8/3/73 Vol. 59: pg 1078; dated 11/1/74 Vol. 60: pg 311; dated 3/31/75 Vol. 60: pg 263; dated 3/13/75	1/3/72 5/31/72 4/25/73 9/10/73 11/1/74 3/31/75 7/1/75
1972	Ohio Manual of Uniform Traffic Control Devices The 1976 and both 1977 revisions were distributed together. The 1992 revisions were distributed together on 7/27/1992. (Journal Entries no longer used. Transmittal letter constitutes the Director's "approval.")	Vol. 61: pg 817; dated 8/11/76 Vol. 62: pg 739; dated 6/27/77 Vol. 62: pg 1081; dated 9/19/77 Vol. 64: pg 642; dated 6/27/79 Vol. 67: pg 752; dated 7/16/82 Vol. 71: pg 1085; dated 11/14/86 Vol. 75: pg 7; dated 5/22/90 Vol. 76: pg 3; dated 10/1/91 Vol. 77: pg 1; dated 7/7/92 Vol. 77: pg 1; dated 7/21/92 Vol. 79: pg 1; dated 6/6/94 Vol. 80: pg 14; dated 6/22/95 Vol. 81: pg 1; dated 9/10/96 Vol. 81: pg 1; dated 9/16/96 Adopted by Director 4/15/99	9/1/76 7/1/77 11/3/77 10/1/79 9/7/82 2/1/87 7/9/90 10/1/91 7/7/92 7/27/92 8/1/94 8/14/95 9/10/96 1/1/97 6/1/99
2003	Ohio Manual of Uniform Traffic Control Devices, 2003 Edition	8/1/03	9/1/03
2005	Ohio Manual of Uniform Traffic Control Devices, 2005 Edition Revision 1 Revision 2	12/1/05 December 23, 2009 March 18, 2011	12/22/05 1/15/10 4/15/11
2012	Ohio Manual of Uniform Traffic Control Devices, 2011 Edition	1/13/12	4/12/12

Table I-2. Revision Record for the 2011 Edition of the OMUTCD

Title	Date	Description	Effective Date
2012 Edition	January 13, 2012	New edition, updating the Manual to conform 2009 Edition of the national Manual on uniform Traffic Control Devices (published December 16, 2009), and to incorporate additional revisions. Part 1, General Provisions, Part 2, Signs, Part 3, Markings, Part 4, Signals, Part 5, Low-Volume Rural Roads, Part 6, Temporary Traffic Control, Part 7, Traffic Control for School Areas, and Part 9, Traffic Control for Bicycle Facilities have been revised. Part 8, Highway-Rail Grade Crossings and Part 10 Highway-Light Rail Transit Grade Crossings have been combined into a new Part 8, Traffic Control for Railroad and Light Rail Transit Grade Crossings. The Appendices have been updated and a new Appendix A2 has been added to provide metric conversion information.	April 12, 2012

Table I-3. FHWA's Target Compliance Dates for MUTCD Items (Sheet 1 of 3)
(As noted in Paragraph 19, information on the current status of a review of these Target Compliance Dates and a Final Rule on this subject, when published, are available from the FHWA's website for the MUTCD at <http://mutcd.fhwa.dot.gov/>.)

2009 MUTCD Section Number(s)	2009 MUTCD Section Title	Specific Provision	Compliance Date
2A.08	Minimum Retroreflectivity Levels	Implementation and continued use of an assessment or management method that is designed to maintain traffic sign retroreflectivity at or above the established minimum levels.	January 22, 2012 (c)
2A.08	Minimum Retroreflectivity Levels	Replacement of regulatory, warning, and post-mounted guide (except street name) signs that are identified using the assessment or management method as failing to meet the established minimum levels.	January 22, 2015 (c)
2A.08	Minimum Retroreflectivity Levels	Replacement of street name signs and overhead guide signs that are identified using the assessment or management method as failing to meet the established minimum levels.	January 22, 2018 (c)
2A.19	Lateral Offset	Crashworthiness of sign supports on roads with posted speed limit of 50 mph or higher	January 17, 2013 (a)
2B.03	Size of Regulatory Signs	Increased sign sizes and other 2003 MUTCD revisions to Table 2B-1 (*)	December 22, 2013 (b)
2B.09	YIELD Sign Applications	Changes in YIELD sign application criteria from the 1988 MUTCD to the 2003 MUTCD (*)	January 17, 2011 (a)
2B.10	STOP Sign or YIELD Sign Placement	Signs mounted on the back of STOP or YIELD signs should not obscure shape of STOP sign, with exception for DO NOT ENTER signs (2003 MUTCD Sections 2B.06 and 2B.10) (*)	December 22, 2013 (b)
2B.11	Yield Here To Pedestrians Signs and Stop Here For Pedestrians Signs (R1-5)	New Section 2B.11 in the 2003 MUTCD (*)	December 22, 2013 (b)
2B.13	Speed Limit Sign (R2-1)	Color of changeable message legend of YOUR SPEED legend	December 22, 2013 (b)
2B.26	Reversible Lane Control Signs (R3-9e through R3-9i)	Removal of the R3-9c and R3-9e signs that had been included in the 2000 MUTCD (2003 MUTCD Section 2B.25)	December 22, 2013 (b)
2B.40	ONE WAY Signs (R6-1, R6-2)	New requirement in the 2009 MUTCD for the number and locations of ONE WAY signs	December 31, 2019
2B.55	Photo Enforced Signs and Plaques (R10-18, R10-19P, R10-19aP)	New signs (2003 MUTCD Section 2B.46) (*)	December 22, 2013 (b)
2C.04	Size of Warning Signs	New sizes in the 2003 MUTCD for the W1 Series arrow signs, the W12-2a low clearance signs, the W7 Series runaway truck signs, and the W10-1 advance grade crossing sign (*)	December 22, 2013 (b)
2C.06 thru 2C.14	Horizontal Alignment Warning Signs	Revised requirements in the 2009 MUTCD regarding the use of various horizontal alignment signs	December 31, 2019
2C.13	Truck Rollover Warning Sign (W1-13)	New W1-13 sign (2003 MUTCD Section 2C.11)	December 22, 2013 (b)
2C.20	NARROW BRIDGE Sign (W5-2)	Elimination of symbol sign (2003 MUTCD Section 2C.16)	December 22, 2013 (b)
2C.30	PAVEMENT ENDS Sign (W8-3)	Removal of symbol sign (2000 MUTCD Section 2C.23)	January 17, 2011 (a)
2C.38	Reduced Speed Limit Ahead Signs (W3-5, W3-5a)	Removal of R2-5 Series Reduced Speed Ahead signs and use of W3-5 or W3-5a warning signs instead (2003 MUTCD Section 2C.30)	December 22, 2018 (b)
2C.40	Merge Signs (W4-1, W4-5)	New Entering Roadway Merge sign (W4-5) (2003 MUTCD Section 2C.31)	December 22, 2013 (b)
2C.41	Added Lane Signs (W4-3, W4-6)	New Entering Roadway Added Lane sign (W4-6) (2003 MUTCD Section 2C.32)	December 22, 2013 (b)
2C.42	Lane Ends Signs (W4-2, W9-1, W9-2)	New design of W4-2 sign (2003 MUTCD Section 2C.33)	December 22, 2013 (b)
2C.46	Intersection Warning Signs (W2-1 through W2-8)	New design of Circular Intersection (W2-6) sign (2003 MUTCD Section 2C.37)	December 22, 2013 (b)
2C.49	Vehicular Traffic Warning Signs	New symbol signs W11-1, W11-5, W11-5a, W11-6, W11-11, and W11-14 (2003 MUTCD Section 2C.40)	December 22, 2013 (b)

Table I-3. FHWA’s Target Compliance Dates for MUTCD Items (Sheet 2 of 3)
(As noted in Paragraph 19, information on the current status of a review of these Target Compliance Dates and a Final Rule on this subject, when published, are available from the FHWA’s website for the MUTCD at <http://mutcd.fhwa.dot.gov/>.)

2009 MUTCD Section Number(s)	2009 MUTCD Section Title	Specific Provision	Compliance Date
2C.50	Non-Vehicular Warning Signs	Elimination of crosswalk lines from crossing signs and use of diagonal downward pointing arrow (W16-7P) supplemental plaque if at the crossing (2003 MUTCD Section 2C.41)	January 17, 2011 (a)(b)
2C.61	PHOTO ENFORCED Plaque (W16-10P)	New plaque (2003 MUTCD Section 2C.53) (*)	December 22, 2013 (b)
2C.63	Object Marker Design and Placement Height	Width of stripes on Type 3 striped marker (2003 MUTCD Section 3C.01)	December 22, 2013 (b)
2D.43	Street Name Signs (D3-1 or D3-1a)	6-inch letter height for lettering on post-mounted Street Name signs (except on multi-lane streets with speed limits greater than 40 mph) (2000 MUTCD Section 2D.38)	January 9, 2012 (a)
2D.43	Street Name Signs (D3-1 or D3-1a)	8-inch letter height on post-mounted signs on multi-lane streets with speed limits greater than 40 mph and 12-inch letter height on overhead signs (2003 MUTCD Section 2D.38)	December 22, 2018 (b)
2D.44	Advance Street Name Signs (D3-2)	Requirements of new Section 2D.39 in the 2003 MUTCD	December 22, 2018 (b)
2D.45	Signing on Conventional Roads on Approaches to Interchanges	New requirement in the 2009 MUTCD for multi-lane approaches to interchanges to have guide signs to identify which direction of turn is to be made for access to each direction of the freeway or expressway	31-Dec-19
2E.31, 2E.33, and 2E.36	Plaques for Left-Hand Exits	New requirement in the 2009 MUTCD to use E1-5aP and E1-5bP plaques for left-hand exits	31-Dec-14
2G.01 through 2G.07	Regulatory Signs for Preferential Lanes	Requirements for regulatory signs for preferential lanes (2003 MUTCD Sections 2B.26 through 2B.28) (*)	December 22, 2013 (b)
2G.11 through 2G.15	Preferential Lane Guide Signs	New Section 2E.59 in the 2003 MUTCD (*)	December 22, 2013 (b)
2H.02, 2H.03	Reference Location Signs, Intermediate Reference Location Signs, and Enhanced Reference Location Signs	Location and spacing of Reference Location signs and design of Intermediate Reference Location signs (2003 MUTCD Sections 2D.46 and 2E.54)	December 22, 2013 (b)
2I.07	Radio Information Signing	New Channel 9 Monitored (D12-3) sign (2003 MUTCD Section 2D.45)	December 22, 2013 (b)
2I.08	TRAVEL INFO CALL 511 Signs (D12-5 and D12-5a)	New TRAVEL INFO CALL 511 Sign (D12-5) (2003 MUTCD Section 2D.45)	December 22, 2013 (b)
2J.05	Size of Lettering	Minimum height of letters and numerals on Specific Service signs (2000 MUTCD Section 2F.05)	January 17, 2011 (a)
2N.03	Evacuation Route Signs (EM-1 and EM-1a)	New design and size of EM-1 sign (2003 MUTCD Section 2I.03)	December 22, 2018 (b)
3B.04, 3B.05	White Longitudinal Pavement Markings	New requirement in the 2009 MUTCD for dotted lane lines for dropped lanes and for acceleration, deceleration, and auxiliary lanes	December 31, 2016 or resurfacing, whichever occurs first
3B.18	Crosswalk Markings	Gap between transverse lines of a crosswalk (2003 MUTCD Section 3B.17)	December 22, 2013 (b)
4D.01	General	Location of signalized midblock crosswalks	December 22, 2013 (b)
4D.26	Yellow Change and Red Clearance Intervals	New requirement in the 2009 MUTCD that durations of yellow change and red clearance intervals shall be determined using engineering practices	December 31, 2014, or when timing adjustments are made to the individual intersection and/or corridor, whichever occurs first
4D.31	Flashing Operation—Transition Out of Flashing Mode	Duration of steady red clearance interval in change from red-red flashing mode to steady (stop-and-go) mode (2003 MUTCD Section 4D.12)	December 22, 2013 (b)
4E.06	Pedestrian Intervals and Signal Phases	New requirement in the 2009 MUTCD that the pedestrian change interval shall not extend into the red clearance interval and shall be followed by a buffer interval of at least 3 seconds	December 31, 2014, or when timing adjustments are made to the individual intersection and/or corridor, whichever occurs first
4E.07	Countdown Pedestrian Signals	Pedestrian countdown hardware requirements	December 22, 2013 (b)

Table I-3. FHWA's Target Compliance Dates for MUTCD Items (Sheet 3 of 3)
(As noted in Paragraph 19, information on the current status of a review of these Target Compliance Dates and a Final Rule on this subject, when published, are available from the FHWA's website for the MUTCD at <http://mutcd.fhwa.dot.gov/>.)

2009 MUTCD Section Number(s)	2009 MUTCD Section Title	Specific Provision	Compliance Date
5C.05	NARROW BRIDGE Sign (W5-2)	Elimination of symbol sign	December 22, 2013 (b)
6D.03	Worker Safety Considerations	New requirement in the 2009 MUTCD that all workers within the right-of-way shall wear high-visibility apparel	December 31, 2011
6E.02	High-Visibility Safety Apparel	New requirement in the 2009 MUTCD that all flaggers within the right-of-way shall wear high-visibility apparel	December 31, 2011
7B.11	School Advance Crossing Assembly	Use of AHEAD (W16-9P) plaque or distance plaque (W16-2P or W16-2aP) (2000 MUTCD Section 7B.08)	January 17, 2011 (a)
7B.12	School Crossing Assembly	Elimination of crosswalk lines from crossing signs and use of diagonal downward pointing arrow (W16-7P) supplemental plaque (2000 MUTCD Sections 7B.08 and 7B.09)	January 17, 2011 (a)
7B.16	Reduced School Speed Limit Ahead Sign (S4-5, S4-5a)	Removal of R2-5 Series Reduced Speed Ahead signs and use of S4-5 or S4-5a warning signs instead (2003 MUTCD Section 7B.12)	December 22, 2013 (b)
7D.04	Uniform of Adult Crossing Guards	New requirement in the 2009 MUTCD for high-visibility apparel for adult crossing guards	December 31, 2011
8B.03	Grade Crossing (Crossbuck) Sign (R15-1) and Number of Tracks Plaque (R15-2P) at Active and Passive Grade Crossings	Retroreflective strip on crossbuck support (2000 MUTCD Section 8B.02) (*)	January 17, 2011 (a)
8B.04	Crossbuck Assemblies with YIELD or STOP Signs at Passive Grade Crossings	New requirement in the 2009 MUTCD for the use of STOP or YIELD signs with Crossbuck signs at passive grade crossings	December 31, 2011
8B.19 and 8C.02 through 8C.05	LRT Approaching-Activated Blank-Out Warning Sign, Flashing Light Signals, and Automatic Gates	Automatic gates, flashing-light signals, and blank-out signs at highway-LRT crossings per Part 10 of the 2000 MUTCD (*)	January 17, 2011 (a)
8C.09	Traffic Control Signals at or Near Highway-Rail Grade Crossings	Pre-signals (2003 MUTCD Section 8D.07)	December 22, 2013 (b)
8C.12	Grade Crossings Within or In Close Proximity to Circular Intersections	New requirement in the 2009 MUTCD for study of grade crossings near roundabouts	December 31, 2014
9B.18	Bicycle Warning and Combined Bicycle / Pedestrian Signs (W11-1 and W11-15)	Elimination of crosswalk lines from crossing signs and use of diagonal downward pointing arrow (W16-7P) supplemental plaque if at the crossing (2000 MUTCD Section 9B.15)	January 17, 2011 (a)

Notes: Unless otherwise noted, dates are as established in the Final Rule for the 2009 MUTCD.

- (a) Date established in the Final Rule for the 2000 MUTCD.
- (b) Date established in the final Rule for the 2003 MUTCD.
- (c) Date established in the Final Rule for Revision 2 of the 2003 MUTCD.
- (*) Provisions may have been revised in the 2009 MUTCD.