

**Ohio**  
**Manual of**  
**Uniform**  
**Traffic**  
**Control**  
**Devices**



**2005 Edition**

**Revision 2**

**March 18, 2011**

**Effective April 15, 2011**

**Ohio Department of Transportation**  
**Office of Traffic Engineering**

Ohio Department of Transportation  
Office of Traffic Engineering  
1980 W. Broad St., P.O. Box 899  
Columbus, OH 43216-0899

Web addresses:

ODOT: <http://www.dot.state.oh.us/pages/home.aspx>

Office of Traffic Engineering:

<http://www.dot.state.oh.us/Divisions/HighwayOps/Traffic/Pages/OTEHomePage.aspx>

ODOT Publications (Design Reference Resource Center): <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 all public 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). Standards described within this Manual may also be used by private agencies on facilities they control. In fact, it is recommended that such be done to encourage uniformity in the meaning of traffic control devices throughout the State.

This Manual is in substantial conformance with the 2003 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) and updated with Revision Numbers 1 and 2 incorporated, dated December 2007.

Revision 2 of the 2005 OMUTCD, published in March 2011, also adopts several provisions that were published as part of the MUTCD in December 2009.

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 (O.R.C.).

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 font. See the address for AASHTO on the next page for an example of Times font. When text in the OMUTCD is a quote from the O.R.C. it is shown in italic Arial font.

The OMUTCD uses a dual system of units, showing both Metric and English units. **In Ohio, English units are the preferred system. Metric units are not used on traffic control signs.** A reminder note has been included in the footer for each chapter. If Metric values are not available in the text, Tables A2-1 through A2-4 in Appendix A2 show the equivalent Metric value that should be used.

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

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 from the ODOT website at [www.dot.state.oh.us/drrc/Pages/default.aspx](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 Association of State Highway and Transportation Officials (AASHTO)  
444 North Capitol Street, NW, Suite 249  
Washington, DC 20001  
[www.transportation.org](http://www.transportation.org)  
202-624-5800

American Railway Engineering and Maintenance-of-Way Association (AREMA)  
10003 Derekwood Lane, Suite 210  
Landover, MD 20706  
[www.arema.gov](http://www.arema.gov)  
301-459-3200

Federal Highway Administration (FHWA)  
[www.fhwa.dot.gov](http://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](http://www.iesna.org)  
212-248-5000

Institute of Makers of Explosives  
1120 19th Street, NW, Suite 310  
Washington, DC 20036-3605  
[www.ime.org](http://www.ime.org)  
202-429-9280

Institute of Transportation Engineers (ITE)  
1627 I Street, NW, Suite 600  
Washington, DC 20006  
[www.ite.org](http://www.ite.org)  
202-785-0060

International Organization for Standardization  
c/o Mr. Gerard Kuso  
Austrian Standards Institute  
Heinestrasse 38  
Postfach 130  
A-1021  
Wien, Austria

International Safety Equipment Association (ISEA)  
1901 North Moore Street, Suite 808  
Arlington, VA 22209  
[www.safetysafetyequipment.org](http://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](http://www.ncutlo.org)  
800-807-5290

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

Office of Transportation Operations, HOTO-1  
Federal Highway Administration  
1200 New Jersey Avenue, SE  
Washington, DC 20590  
[www.ops.fhwa.dot.gov/siteindex.htm](http://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](mailto:MUTCDofficialrequest@dot.gov).

Transportation Research Board (TRB)  
The National Academies  
500 Fifth Street, NW  
Washington, DC 20001  
[www.nas.edu/trb](http://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](http://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

### INTRODUCTION

**Standard:**

**As noted in Section 4511.01(QQ) of the Ohio Revised Code (O.R.C.), traffic control devices shall mean:**

***all flaggers, signs, signals, markings, and devices placed or erected by authority of a public body or official having jurisdiction, for the purpose of regulating, warning, or guiding traffic, including signs denoting names of streets and highways.***

**Support:**

The "Ohio Manual of Uniform Traffic Control Devices" (OMUTCD) has been developed pursuant to Section 4511.09 of the O.R.C. to establish standards for the use of traffic control devices in the State of Ohio. Sections 4511.10 and 4511.11 of the O.R.C. address the responsibilities that ODOT and local highway authorities have to place and maintain traffic control devices on all highways within their respective jurisdictions in conformance with the OMUTCD (see Appendix B2).

**Standard:**

**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. 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:**

**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:**

23 CFR (Code of Federal Regulations) 655.603 adopts FHWA's "Manual on Uniform Traffic Control Devices" (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).

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.

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 and highways. The material in this Manual is organized to differentiate between Standards that must be satisfied for the particular circumstances of a situation, Guidances that

should be followed for the particular circumstances of a situation, and Options that may be applicable for the particular circumstances of a situation.

Throughout this Manual the headings Standard, Guidance, Option, and Support are used to classify the nature of the text that follows. Figures, tables, and illustrations 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 illustration.

**Standard:**

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

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

**Support:**

Throughout this Manual dimensions, distances, etc. are provided in both the International System of Units, a modernized version of the Metric system, and the English equivalent units (shown in parentheses).

**Standard:**

**The preferred system of measurement shall be English units. Metric legends shall not be used on traffic control signs.**

**Guidance:**

If the public agency should decide to use the International System of Units (Metric) the chosen units should be specified on plan drawings. The chosen unit of measurement should be made known to those responsible for designing, installing, or maintaining traffic control devices.

Except when a specific numeral is required by the text of a Section of this Manual, numerals shown on the sign images 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 signs, the numerals should be appropriately altered to fit the specific signing situation.

**Support:**

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

There are ten 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. 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.

Each Section is comprised of one or more paragraphs. The paragraphs are indented but are not identified by a number or letter. 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 12 m (40 ft) beyond the stop line” that appears on Page 4D-15 of this Manual would be referenced in writing as “Section 4D.15, P7, D1(a),” and would be verbally referenced as “Item D1(a) of Paragraph 7 of Section 4D.15.”

The MUTCD published by FHWA states that: “In accordance with 23 CFR 655.603(b)(1), 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 issuance of the changes. 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). 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)]. The FHWA has the authority to establish other target compliance dates for implementation of particular changes to the MUTCD [23 CFR 655.603(d)(4)].”

The target compliance dates established by the FHWA are as follows (the Part, Chapter and Section references noted correspond directly to Parts, Chapters and Sections in the OMUTCD):

Section 2A.09 Maintaining Minimum Retroreflectivity – new section effective January 22, 2008:

- 4 years for 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;
- 7 years for replacement of regulatory, warning, and ground-mounted guide (except street name) signs that are identified using the assessment or management method as failing to meet the established minimum levels; and
- 10 years for 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.

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

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

Section 2B.04 STOP Sign (R1-1)—4-WAY plaque requirement—January 17, 2004.

Section 2B.06 STOP Sign Placement—signs mounted on back of STOP sign—December 22, 2013.

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

Section 2B.10 YIELD Sign Placement—signs mounted on back of YIELD sign—December 22, 2013.

Section 2B.11 Yield Here to Pedestrians Signs (R1-5, R1-5a)—new section—December 22, 2013.

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

Section 2B.25 Reversible Lane Control Signs (R3-9d, R3-9f through R3-9i)—removal of R3-9c and R3-9e signs—December 22, 2013.

Section 2B.26 Preferential Only Lane Signs (R3-10 through R3-15)—December 22, 2013.

Section 2B.27 Preferential Only Lanes for High-Occupancy Vehicles (HOVs)—new section in Millennium Edition—January 17, 2007.

Section 2B.28 Preferential Only Lane Sign Applications and Placement—December 22, 2013.

Section 2B.37 ONE WAY Signs (R6-1, R6-2)—placement requirement at intersecting alleys—January 17, 2008.

Section 2B.46 Photo Enforced Signs (R10-18, R10-19)—new section—December 22, 2013.

Section 2B.52 Hazardous Material Signs (R14-2, R14-3)—change in sign legend—December 22, 2013.

- Section 2C.04 Size of Warning Signs—increased sizes of W4-1, W5-2, W6-3, and W12-1 signs—January 17, 2008.
- Section 2C.04 Size of Warning Signs—sizes of W1 Series Arrows signs, W7 Series truck runaway signs, W12-2p low clearance signs, and W10-1 advance grade crossing sign—December 22, 2013.
- Section 2C.11 Truck Rollover Warning Signs (W1-13, W1-13a)—new section—December 22, 2013.
- Section 2C.16 NARROW BRIDGE Sign (W5-2)—elimination of symbol sign—December 22, 2013.
- Section 2C.25 PAVEMENT ENDS Sign (W8-3)—removal of symbol sign—January 17, 2011.
- Section 2C.26 Shoulder Signs (W8-4, W8-9, and W8-9a)—removal of symbol signs—January 17, 2011.
- Section 2C.30 Speed Reduction 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—December 22, 2018.
- Section 2C.31 Merge Signs (W4-1, W4-5)—Entering Roadway Merge sign (W4-1a)—December 22, 2013.
- Section 2C.32 Added Lane Signs (W4-3, W4-6)—Entering Roadway Added Lane sign (W4-3a)—December 22, 2013.
- Section 2C.33 Lane Ends Signs (W4-2, W9-1, W9-2)—new design of W4-2 sign—December 22, 2013.
- Section 2C.34 Two-Way Traffic Sign (W6-3)—transition from one-way street—December 22, 2008.
- Section 2C.37 Intersection Warning Signs (W2-1 through W2-6)—new design of Circular Intersection (W2-6) sign—December 22, 2013.
- Section 2C.40 Vehicular Traffic Signs (W8-6, W11-1, W11-5, W11-5a, W11-6, W11-8, W11-10, W11-11, W11-12, W11-14)—new symbol signs W11-1, W11-5, W11-5a, W11-6, W11-11, and W11-14—December 22, 2013.
- Section 2C.41 Nonvehicular Signs (W11-2, W11-3, W11-4, W11-7, W11-9)—elimination of crosswalk lines from crossing signs and use of diagonal downward pointing arrow supplemental plaque (W16-7) if at the crossing—January 17, 2011.
- Section 2C.53 PHOTO ENFORCED Plaque (W16-10)—new section—December 22, 2013.
- Section 2D.38 Street Name Sign (D3-1)—symbol sizes, 150 mm (6 in) letter sizes for lettering on ground-mounted Street Name signs on roads that are not multi-lane streets with speed limits greater than 60 km/h (40 mph), other new provisions of Millennium Edition—January 9, 2012.
- Section 2D.38 Street Name Sign (D3-1)—letter sizes on ground-mounted signs on multi-lane streets with speed limits greater than 60 km/h (40 mph) and letter sizes on overhead-mounted signs—December 22, 2018.
- Section 2D.39 Advance Street Name Signs (D3-2)—new section in 2000 MUTCD and revisions in 2003 MUTCD—December 22, 2018.
- Section 2D.45 General Service Signs (D9 Series)—Traveler Info Call 511 (D12-5) sign, Channel 9 Monitored (D12-3) sign—December 22, 2013.
- Section 2D.46 Reference Location Signs (D10-1 through D10-3) and Intermediate Reference Location Signs (D10-1a through D10-3a)—location and spacing of Reference Location signs and design of Intermediate Reference Location signs—December 22, 2013.
- Section 2E.28 Interchange Exit Numbering—size of exit number plaque—January 17, 2008.
- Section 2E.28 Interchange Exit Numbering—LEFT on exit number plaques for left exits—December 22, 2018.
- Section 2E.30 Advance Guide Signs—advance placement distance—January 17, 2008.
- Section 2E.54 Reference Location Signs and Enhanced Reference Location Signs (D10-4, D10-5)—design of Enhanced Reference Location signs and Intermediate Enhanced Reference Location signs—December 22, 2013.
- Section 2E.59 Preferential Only Lane Signs—new section in 2003 Edition—December 22, 2013.
- Section 2F.05 Size of Lettering—minimum height of letters and numerals on specific service signs—January 17, 2011.

- Section 2I.03 EVACUATION ROUTE Sign (EM-1)—new design and size of EM-1 sign—December 22, 2018.
- Section 3B.01 Yellow Centerline Pavement Markings and Warrants—new section in Millennium Edition—January 3, 2003.
- Section 3B.03 Other Yellow Longitudinal Pavement Markings—spacing requirements for pavement marking arrows in two-way left-turn lanes—December 22, 2008.
- Section 3B.07 Warrants for Use of Edge Lines—new section in Millennium Edition—January 3, 2003.
- Section 3B.17 Crosswalk Markings—gap between transverse lines of a crosswalk—December 22, 2013.
- Section 3B.19 Pavement Word and Symbol Markings—typical spacing of lane-use arrows in two-way left-turn lanes shown in Figure 3B-7—December 22, 2008.
- Section 3C.01 Object Marker Design and Placement Height—width of stripes on Type 3 striped marker—December 22, 2013.
- Section 4D.01 General—location of signalized midblock crosswalks—December 22, 2013.
- Section 4D.05 Application of Steady Signal Indications—Item B.4 in STANDARD—December 22, 2008.
- Section 4D.12 Flashing Operation of Traffic Control Signals—duration of steady red clearance interval in change from red-red flashing mode to steady (stop-and-go) mode—December 22, 2013.
- Section 4E.06 Accessible Pedestrian Signals—new section in Millennium Edition—January 17, 2005.
- Section 4E.07 Countdown Pedestrian Signals—new section—December 22, 2013 for countdown pedestrian signal hardware; December 22, 2006 for operational requirements of countdown pedestrian signals.
- Section 4E.09 Accessible Pedestrian Signal Detectors—new section in Millennium Edition—January 17, 2005.
- Section 4E.10 Pedestrian Intervals and Signal Phases—pedestrian clearance time sufficient to travel to far side of the traveled way—December 22, 2008.
- Section 5C.05 NARROW BRIDGE Sign (W5-2)—elimination of symbol sign—December 22, 2013.
- Section 6D.01 Pedestrian Considerations—all new provisions for pedestrian accessibility—December 22, 2008.
- Section 6D.02 Accessibility Considerations—December 22, 2008.
- Section 6D.03 Worker Safety Considerations—high-visibility apparel requirements—December 22, 2006.
- Section 6E.02 High-Visibility Safety Apparel—high-visibility apparel requirements for flaggers—December 22, 2006.
- Section 6F.03 Sign Placement—crashworthiness of sign supports—January 17, 2005.
- Section 6F.58 Channelizing Devices—crashworthiness—January 17, 2005.
- Section 6F.59 Cones—width of retroreflective stripes—December 22, 2008.
- Section 6F.63 Type I, II, or III Barricades—crashworthiness—January 17, 2005.
- Section 6F.66 Longitudinal Channelizing Barricades—crashworthiness—January 17, 2005.
- Section 6F.82 Crash Cushions—crashworthiness—January 17, 2005.
- Section 7B.08 School Advance Warning Assembly (S1-1 with Supplemental Plaque)—use of AHEAD plaque (W16-9p) or distance plaque (W16-2 or W16-2a)—January 17, 2011.
- Section 7B.09 School Crosswalk Warning Assembly (S1-1 with Diagonal Arrow)—elimination of crosswalk lines from crossing signs and use of diagonal downward pointing arrow supplemental plaque (W16-7)—January 17, 2011.
- Section 7B.12 Reduced Speed School Zone Ahead Sign (S4-5, S4-5a)—December 22, 2018.
- Section 7E.04 Uniform of Adult Crossing Guards and Student Patrols—requirement for high-visibility apparel for adult crossing guards—December 22, 2008.
- Section 8B.03 Highway-Rail Grade Crossing (Crossbuck) Sign (R15-1) and Number of Tracks Sign (R15-2)—retroreflective strip on crossbuck support—January 17, 2011.

Section 8B.04 Highway-Rail Grade Crossing Advance Warning Signs (W10 Series)—removal of existing W10-6 series signs—January 17, 2006.

Section 8D.07 Traffic Control Signals at or Near Highway-Rail Grade Crossings—pre-signals—December 22, 2013.

Section 9B.04 Bicycle Lane Signs (R3-17, R3-17a, R3-17b)—deletion of preferential lane symbol (diamond) for bicycle lane signs—January 17, 2006.

Section 9B.17 Bicycle Warning Sign (W11-1)—elimination of crosswalk lines from crossing signs and use of diagonal downward pointing arrow supplemental plaque (W16-7) if at the crossing—January 17, 2011.

Chapter 9C Markings—deletion of preferential lane symbol (diamond) for bicycle pavement markings—January 17, 2007.

Part 10 Traffic Controls for Highway-Light Rail Transit Grade Crossings—automatic gates, flashing-light signals, and blank-out signs—January 17, 2011.

Section 10C.15 Highway-Rail Grade Crossing Advance Warning Signs (W10 Series)—removal of existing W10-6 series signs—January 17, 2006.

**Option:**

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

**Support:**

Often it is desirable to upgrade to a compliant device at the time of this maintenance of a damaged device. However, it might be appropriate to replace the damaged non-compliant device 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 could potentially be confusing to road users; and/or
- B. The anticipated schedule for replacement of the whole series of non-compliant devices will result in achieving timely compliance with the MUTCD.

**Table I-1. Evolution of the OMUTCD**

<b>Edition</b>	<b>Name</b>	<b>Approval</b>	<b>Effective Date</b>
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

**Table I-2. Revision Record for the 2005 Edition of the OMUTCD**

<b>Title</b>	<b>Date</b>	<b>Description</b>	<b>Effective Date</b>
2005 Edition	December 1, 2005	New edition, updating each Part of the Manual to incorporate changes published by FHWA in the MUTCD 2003, and to incorporate additional Ohio revisions. Appendix A1, Appendix B1, and Appendix B2 have been updated. A sign index has been added in Appendix C.	December 22, 2005
2005 Edition Revision 1	December 23, 2009	Revision to incorporate changes published by FHWA in the MUTCD 2003 to address retro-reflectivity guidelines for highway signs. The Revision also included a few editorial corrections. Changes were made in the Preface, Introduction, Parts 1, 2 and 6, and Appendix C.	January 15, 2010
2005 Edition Revision 2	March 18, 2011	Incorporated some changes published by FHWA in the MUTCD 2009. These revisions include: updated addresses for publications referenced in the Manual; updated Tables I-1 and I-2 in the Introduction; updated FHWA contact information in Section 1A.10; new definitions in Section 1A.13 for “Downstream,” “Hybrid Beacon,” “Pedestrian Hybrid Beacon,” and “Upstream”; added the CROSSWALK STOP ON RED sign in Section 2B.45 and Figure 2B-19; an update of Chapter 4C, Signal Warrants; a new Chapter 4M on Pedestrian Hybrid Beacons; and new Section 9C.07, Shared Lane Markings and new Figure 9C-9, Shared Lane Markings.	April 15, 2011

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