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An Equal Opportunity Employer
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/drcc/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/

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 St
Washington, DC 20036
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
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# Table of Contents

## Part 1. General

### Chapter 1A. General
- Section 1A.01 Purpose of Traffic Control Devices .......................................................... 1
- Section 1A.02 Principles of Traffic Control Devices .......................................................... 1
- Section 1A.03 Design of Traffic Control Devices ............................................................... 2
- Section 1A.04 Placement and Operation of Traffic Control Devices .................................. 2
- Section 1A.05 Maintenance of Traffic Control Devices ....................................................... 2
- Section 1A.06 Uniformity of Traffic Control Devices ......................................................... 2
- Section 1A.07 Responsibility for Traffic Control Devices ................................................... 3
- Section 1A.08 Authority for Placement of Traffic Control Devices .................................... 3
- Section 1A.09 Engineering Study and Engineering Judgment ............................................. 4
- Section 1A.10 Interpretations, Experimentations, Changes, and Interim Approvals ............... 5
- Section 1A.11 Relation to Other Publications ...................................................................... 8
- Section 1A.12 Color Code .................................................................................................... 11
- Section 1A.13 Definitions of Headings, Words, and Phrases in this Manual ......................... 12
- Section 1A.14 Meanings of Acronyms and Abbreviations in this Manual ......................... 27
- Section 1A.15 Abbreviations Used on Traffic Control Devices .......................................... 28

## Part 2. Signs

### Chapter 2A. General
- Section 2A.01 Function and Purpose of Signs ...................................................................... 33
- Section 2A.02 Definitions .................................................................................................... 33
- Section 2A.03 Standardization of Application ..................................................................... 33
- Section 2A.04 Excessive Use of Signs ................................................................................. 34
- Section 2A.05 Classification of Signs .................................................................................. 34
- Section 2A.06 Design of Signs ........................................................................................... 34
- Section 2A.07 Retroreflectivity and Illumination ............................................................... 35
- Section 2A.08 Maintaining Minimum Retroreflectivity ..................................................... 37
- Section 2A.09 Shapes ......................................................................................................... 39
- Section 2A.10 Sign Colors .................................................................................................. 39
- Section 2A.11 Dimensions .................................................................................................. 39
- Section 2A.12 Symbols ....................................................................................................... 42
- Section 2A.13 Word Messages ............................................................................................. 42
- Section 2A.14 Sign Borders ................................................................................................ 43
- Section 2A.15 Enhanced Conspicuity for Standard Signs .................................................. 44
- Section 2A.16 Standardization of Location ......................................................................... 44
- Section 2A.17 Overhead Sign Installations ......................................................................... 49
- Section 2A.18 Mounting Height ......................................................................................... 50
- Section 2A.19 Lateral Offset ............................................................................................... 51
- Section 2A.20 Orientation ................................................................................................... 52
- Section 2A.21 Posts and Mountings ................................................................................... 52
- Section 2A.22 Maintenance ................................................................................................. 52
- Section 2A.23 Median Opening Treatments for Divided Highways with Wide Medians .......... 52
Chapter 2B. Regulatory Signs, Barricade, and Gates

Section 2B.01 Application of Regulatory Signs ................................................................. 53
Section 2B.02 Design of Regulatory Signs ........................................................................... 53
Section 2B.03 Size of Regulatory Signs ................................................................................ 53
Section 2B.04 Right-of-Way at Intersections ....................................................................... 61
Section 2B.05 STOP Sign (R1-1) and ALL WAY Plaque (R1-3P) ........................................... 63
Section 2B.06 STOP Sign Applications .................................................................................. 63
Section 2B.07 Multi-Way Stop Applications ......................................................................... 64
Section 2B.08 YIELD Sign (R1-2) ....................................................................................... 64
Section 2B.09 YIELD Sign Applications .............................................................................. 65
Section 2B.10 STOP Sign or YIELD Sign Placement ............................................................ 65
Section 2B.11 Yield Here To Pedestrians Signs (R1-5 Series) ................................................. 66
Section 2B.12 In-Street and Overhead Pedestrian Crossing Signs (R1-6, R1-9) ..................... 67
Section 2B.13 Speed Limit Signs (R2-1, R2-H2b) ................................................................. 68
Section 2B.14 Truck Speed Limit Plaque and Signs (R2-2P, R2-H2a) ................................... 71
Section 2B.15 Night Speed Limit Plaque (R2-3P) ................................................................ 71
Section 2B.16 Minimum Speed Limit Plaque (R2-4P) .......................................................... 71
Section 2B.17 Higher Fines Signs and Plaque (R2-6P, R2-10, R2-11) ............................... 71
Section 2B.18 Movement Prohibition Signs (R3-1 through R3-4, R3-18, R3-27) ................. 73
Section 2B.19 Intersection Lane Control Signs (R3-5 through R3-8) ................................... 74
Section 2B.20 Mandatory Movement Lane Control Signs (R3-5, R3-5a, R3-7, R3-20) ......... 75
Section 2B.21 Optional Movement Lane Control Sign (R3-6) ............................................. 76
Section 2B.22 Advance Intersection Lane Control Signs (R3-8 Series) .............................. 77
Section 2B.23 RIGHT (LEFT) LANE MUST EXIT Sign (R3-33) ........................................... 77
Section 2B.24 Two-Way Left Turn Only Signs (R3-9a, R3-9b) ............................................ 77
Section 2B.25 BEGIN and END Plaques (R3-9cP, R3-9dP) ............................................... 78
Section 2B.26 Reversible Lane Control Signs (R3-9e through R3-9i) ................................. 78
Section 2B.27 Jughandle Signs (R3-23, R3-24, R3-25, and R3-26 Series) ......................... 81
Section 2B.28 DO NOT PASS Sign (R4-1) ........................................................................... 85
Section 2B.29 PASS WITH CARE Sign (R4-2) ................................................................... 85
Section 2B.30 SLOWER TRAFFIC KEEP RIGHT Sign (R4-3) ............................................... 85
Section 2B.31 TRUCKS USE RIGHT LANE Sign (R4-5) .................................................... 86
Section 2B.32 Keep Right and Keep Left Signs (R4-H3a, R4-7, R4-8) ................................. 87
Section 2B.33 STAY IN LANE Sign (R4-9) .......................................................................... 87
Section 2B.34 RUNAWAY VEHICLES ONLY Sign (R4-10) ................................................. 88
Section 2B.35 Slow Vehicle Turn-Out Signs (R4-12, R4-13, R4-14) ................................. 88
Section 2B.36 DO NOT DRIVE ON SHOULDER Sign (R4-17) and DO NOT PASS ON SHOULDER Sign (R4-18) .................................................. 88
Section 2B.37 DO NOT ENTER Sign (R5-1) ........................................................................ 88
Section 2B.38 WRONG WAY Sign (R5-1a) .......................................................................... 89
Section 2B.39 Selective Exclusion Signs ............................................................................. 90
Section 2B.40 ONE WAY Signs (R6-1, R6-2) ..................................................................... 91
Section 2B.41 Wrong-Way Traffic Control at Interchange Ramps ....................................... 93
Section 2B.42 Divided Highway Crossing Signs (R6-3, R6-3a) ........................................... 96
Section 2B.43 Roundabout Directional Arrow Signs (R6-4, R6-4a, R6-4b) ......................... 98
Section 2B.44 Roundabout Circulation Plaque (R6-5P) ...................................................... 102
Section 2B.45 Examples of Roundabout Signing .................................................................. 102
Section 2B.46 Parking, Standing, and Stopping Signs (R7 and R8 Series) ............................ 102
Section 2B.47 Design of Parking, Standing, and Stopping Signs ....................................... 104
Section 2B.48 Placement of Parking, Stopping, and Standing Signs .................................... 106
Section 2B.49 Emergency Restriction Signs (R8-4, R8-7, R8-8) ....................................... 107
Section 2B.50 WALK ON LEFT FACING TRAFFIC and No Hitchhiking Signs (R9-1, R9-4, R9-4a) .......................................................... 107

Table of Contents

January 13, 2012

2012 Edition
## Chapter 2C. **Warning Signs and Object Markers**

| Section 2C.01 | Function of Warning Signs ............................................................... | 119 |
| Section 2C.02 | Application of Warning Signs .............................................................. | 119 |
| Section 2C.03 | Design of Warning Signs ........................................................................... | 119 |
| Section 2C.04 | Size of Warning Signs ................................................................................ | 125 |
| Section 2C.05 | Placement of Warning Signs ....................................................................... | 125 |
| Section 2C.06 | Horizontal Alignment Warning Signs .......................................................... | 126 |
| Section 2C.07 | Horizontal Alignment Signs (W1-1 through W1-5, W1-11, W1-15) ............... | 127 |
| Section 2C.08 | Advisory Speed Plaque (W13-1P) ............................................................... | 128 |
| Section 2C.09 | Chevron Alignment Sign (W1-8) ............................................................... | 130 |
| Section 2C.10 | Combination Horizontal Alignment/Advisory Speed Signs (W1-1a, W1-2a) .... | 131 |
| Section 2C.11 | Combination Horizontal Alignment/Intersection Signs (W1-10 Series) ......... | 131 |
| Section 2C.12 | One-Direction Large Arrow Sign (W1-6) ..................................................... | 131 |
| Section 2C.13 | Truck Rollover Warning Sign (W1-13) ....................................................... | 132 |
| Section 2C.14 | Advisory Exit and Ramp Speed Signs (W13-2, W13-3) ................................ | 132 |
| Section 2C.15 | Combination Horizontal Alignment/Advisory Exit and Ramp Speed Signs (W13-6, W13-7) | 133 |
| Section 2C.16 | Hill Signs (W7-1, W7-1a) .......................................................................... | 133 |
| Section 2C.17 | Truck Escape Ramp Signs (W7-4 Series) .................................................... | 135 |
| Section 2C.18 | HILL BLOCKS VIEW Sign (W7-6) ................................................................. | 135 |
| Section 2C.19 | ROAD NARROWS Sign (W5-1) ...................................................................... | 136 |
| Section 2C.20 | NARROW BRIDGE Sign (W5-2) ................................................................. | 137 |
| Section 2C.21 | ONE LANE BRIDGE Sign (W5-3) ................................................................. | 137 |
| Section 2C.22 | Divided Highway Sign (W6-1) ................................................................. | 137 |
| Section 2C.23 | Divided Highway Ends Sign (W6-2) ......................................................... | 137 |
| Section 2C.24 | Freeway or Expressway Ends Signs (W19 Series) ....................................... | 137 |
| Section 2C.25 | Double Arrow Sign (W12-1) ................................................................. | 138 |
| Section 2C.26 | DEAD END/NO OUTLET Signs (W14-1, W14-1a, W14-2, W14-2a) ............... | 138 |
| Section 2C.27 | Low Clearance Signs (W12-2, W12-2a) ..................................................... | 138 |
| Section 2C.28 | BUMP and DIP Signs (W8-1, W8-2) .......................................................... | 140 |
| Section 2C.29 | SPEED HUMP Sign (W17-1) ....................................................................... | 140 |
| Section 2C.30 | PAVEMENT ENDS Sign (W8-3) .................................................................... | 140 |
Section 2C.31 Shoulder Signs (W8-4, W8-9, W8-17, W8-23, W8-25) .................................................. 140
Section 2C.32 Surface Condition Signs (W8-5, W8-7, W8-8, W8-11, W8-13, W8-14) ................................. 141
Section 2C.33 Warning Signs and Plaques for Motorcyclists (W8-15, W8-15P, W8-16) ............................ 141
Section 2C.34 NO CENTER LINE and NO EDGE LINE Signs (W8-12, W8-H12a) .................................... 142
Section 2C.35 Weather Condition Signs (W8-18, W8-19, W8-21, W8-22) ............................................. 142
Section 2C.36 Advance Traffic Control Signs (W3-1, W3-2, W3-3, W3-4) ............................................. 142
Section 2C.37 Advance Ramp Control Signal Signs (W3-7, W3-8) ......................................................... 143
Section 2C.38 Reduced Speed Limit Ahead Signs (W3-5, W3-5a) .......................................................... 143
Section 2C.39 DRAW BRIDGE Sign (W3-6) ......................................................................................... 144
Section 2C.40 Merge Signs (W4-1, W4-5) ............................................................................................... 144
Section 2C.41 Added Lane Signs (W4-3, W4-6) ....................................................................................... 145
Section 2C.42 Lane Ends Signs (W4-2, W9-1, W9-2) ............................................................................. 145
Section 2C.43 RIGHT (LEFT) LANE EXIT ONLY AHEAD Sign (W9-7) ..................................................... 146
Section 2C.44 Two-Way Traffic Sign (W6-3) ........................................................................................... 146
Section 2C.45 NO PASSING ZONE Sign (W14-3) ..................................................................................... 146
Section 2C.46 Intersection Warning Signs (W2-1 through W2-8) ............................................................. 146
Section 2C.47 Two-Direction Large Arrow Sign (W1-7) ........................................................................... 147
Section 2C.48 Traffic Signal Signs (W25-1, W25-2) ................................................................................ 148
Section 2C.50 Non-Vehicular Warning Signs (W11-2, W11-3, W11-4, W11-6, W11-7, W11-9, and W11-16 through W11-22) ........................................................................................................ 149
Section 2C.51 Playground Sign (W15-1) .................................................................................................. 151
Section 2C.52 NEW TRAFFIC PATTERN AHEAD Sign (W23-2) ............................................................... 151
Section 2C.53 Use of Supplemental Warning Plaques ............................................................................. 151
Section 2C.54 Design of Supplemental Warning Plaques ....................................................................... 151
Section 2C.55 Distance Plaques (W16-2 Series, W16-3 Series, W16-4P, W7-3aP) ..................................... 151
Section 2C.56 Supplemental Arrow Plaques (W16-5P, W16-6P) .............................................................. 151
Section 2C.57 Hill-Related Plaques (W7-2 Series, W7-3 Series) ............................................................... 152
Section 2C.58 Advance Street Name Plaques (W16-8P, W16-8aP) ........................................................... 152
Section 2C.59 CROSS TRAFFIC DOES NOT STOP Plaque (W4-4P) .................................................... 153
Section 2C.60 SHARE THE ROAD Plaque (W16-1P) .............................................................................. 153
Section 2C.61 PHOTO ENFORCED Plaque (W16-10P) ............................................................................ 153
Section 2C.62 NEW Plaque (W16-15P) .................................................................................................... 153
Section 2C.63 Object Marker Design and Placement Height ................................................................. 154
Section 2C.64 Object Markers for Obstructions Within the Roadway .................................................... 155
Section 2C.65 Object Markers for Obstructions Adjacent to the Roadway ............................................. 155
Section 2C.66 Object Markers for Ends of Roadways .............................................................................. 156

Chapter 2D. Guide Signs—Conventional Roads

Section 2D.01 Scope of Conventional Road Guide Sign Standards ............................................................ 157
Section 2D.02 Application ......................................................................................................................... 157
Section 2D.03 Color, Retroreflection, and Illumination ......................................................................... 157
Section 2D.04 Size of Signs ..................................................................................................................... 157
Section 2D.05 Lettering Style .................................................................................................................. 158
Section 2D.06 Size of Lettering ............................................................................................................... 159
Section 2D.07 Amount of Legend ........................................................................................................... 160
Section 2D.08 Arrows ............................................................................................................................... 161
Section 2D.09 Numbered Highway Systems .......................................................................................... 163
Section 2D.10 Route Signs and Auxiliary Signs .................................................................................... 163
Section 2D.11 Design of Route Signs .................................................................................................... 164
Section 2D.12 Design of Route Sign Auxiliaries .................................................................................... 165
Section 2D.13 Junction Auxiliary Sign (M2-1) ....................................................................................... 166
### Chapter 2E. Guide Signs—Freeways and Expressways

#### Section 2E.01 Scope of Freeway and Expressway Guide Sign Standards

#### Section 2E.02 Freeway and Expressway Signing Principles

#### Section 2E.03 Guide Sign Classification

#### Section 2E.04 General

#### Section 2E.05 Color of Guide Signs

#### Section 2E.06 Retroreflection or Illumination

#### Section 2E.07 Characteristics of Urban Signing

#### Section 2E.08 Characteristics of Rural Signing
Section 2E.03 Signing of Named Highways ................................................................. 209  
Section 2E.10 Amount of Legend on Guide Signs ...................................................... 209  
Section 2E.11 Number of Signs at an Overhead Installation and Sign Spreading .......... 210  
Section 2E.12 Pull-Through Signs ............................................................................. 211  
Section 2E.13 Designation of Destinations .................................................................. 211  
Section 2E.14 Size and Style of Letters and Signs ...................................................... 211  
Section 2E.15 Interline and Edge Spacing .................................................................. 212  
Section 2E.16 Sign Borders ...................................................................................... 212  
Section 2E.17 Abbreviations .................................................................................... 214  
Section 2E.18 Symbols .............................................................................................. 215  
Section 2E.19 Arrows for Interchange Guide Signs ...................................................... 215  
Section 2E.20 Signing for Option Lanes at Splits and Multi-Lane Exits ....................... 217  
Section 2E.21 Design of Overhead Arrow-per-Lane Guide Signs for Option Lanes ...... 217  
Section 2E.22 Design of Freeway and Expressway Diagrammatic Guide Signs for Option Lanes ................................................................. 223  
Section 2E.23 Signing for Intermediate and Minor Interchange Multi-Lane Exits with an Option Lane .. 227  
Section 2E.24 Signing for Interchange Lane Drops ..................................................... 230  
Section 2E.25 Overhead Sign Installations .................................................................. 234  
Section 2E.26 Lateral Offset ..................................................................................... 234  
Section 2E.27 Route Signs and Trailblazer Assemblies .............................................. 235  
Section 2E.28 Eisenhower Interstate System Signs (M1-10) ........................................ 236  
Section 2E.29 Signs for Intersections at Grade .......................................................... 236  
Section 2E.29.1 Expressway Street Name Sign (D3-H3 or D3-H3a) ............................ 237  
Section 2E.29.2 Expressway At-Grade Intersection Advance Street Name Sign (D3-H4) .. 237  
Section 2E.30 Interchange Guide Signs ..................................................................... 237  
Section 2E.31 Interchange Exit Numbering (E1-H5P) .................................................. 237  
Section 2E.32 Interchange Classification .................................................................... 242  
Section 2E.33 Advance Guide Signs ......................................................................... 242  
Section 2E.34 Next Exit Plaques (E2-H1P, E2-H1aP) ................................................... 244  
Section 2E.35 Other Supplemental Guide Signs ....................................................... 244  
Section 2E.36 Exit Direction Signs .......................................................................... 246  
Section 2E.37 Exit Gore Signs (E5-H1 Series) ............................................................ 248  
Section 2E.38 Post-Interchange Signs ...................................................................... 249  
Section 2E.39 Post-Interchange Distance Signs (E7-H1) .......................................... 249  
Section 2E.40 Interchange Sequence Signs (E7-H2) .................................................. 250  
Section 2E.41 Community Interchanges Identification Signs (E7-H3) ......................... 252  
Section 2E.42 NEXT XX EXITS Sign (E7-H4) .......................................................... 252  
Section 2E.43 Signing by Type of Interchange ............................................................ 252  
Section 2E.44 Freeway-to-Freeway Interchange .......................................................... 253  
Section 2E.45 Cloverleaf Interchange ........................................................................ 253  
Section 2E.46 Cloverleaf Interchange with Collector-Distributor Roadways ................ 259  
Section 2E.47 Partial Cloverleaf Interchange .............................................................. 259  
Section 2E.48 Diamond Interchange ........................................................................ 259  
Section 2E.49 Diamond Interchange in Urban Area .................................................... 261  
Section 2E.50 Closely-Spaced Interchanges ............................................................... 261  
Section 2E.51 Minor Interchange .............................................................................. 262  
Section 2E.52 Signing on Conventional Road Approaches and Connecting Roadways ................................................................. 263  
Section 2E.53 Wrong-Way Traffic Control at Interchange Ramps ............................ 264  
Section 2E.54 Weigh Station Signing (D8-H2) ............................................................ 264  

Chapter 2F. Toll Road Signs

Section 2F.01 Scope .................................................................................................. 265  
Section 2F.02 Sizes of Toll Road Signs ..................................................................... 265  
Section 2F.03 Use of Purple Backgrounds and Underlay Panels with Electronic Toll Collection
Section 2F.04  Size of ETC Pictographs ................................................................. 265
Section 2F.05  Regulatory Signs for Toll Plazas .................................................. 266
Section 2F.06  Pay Toll Advance Warning Sign (W9-6) ......................................... 269
Section 2F.07  Pay Toll Advance Warning Plaque (W9-6P) .................................... 269
Section 2F.08  Stop Ahead Pay Toll Warning Sign (W9-6a) ..................................... 270
Section 2F.09  Stop Ahead Pay Toll Warning Plaque (W9-6aP) ............................... 271
Section 2F.10  LAST EXIT BEFORE TOLL Warning Plaque (W16-16P) ..................... 271
Section 2F.11  TOLL Auxiliary Sign (M4-15) ......................................................... 272
Section 2F.12  Electronic Toll Collection (ETC) Account-Only Auxiliary Signs (M4-16 and M4-20) ................................................................. 272
Section 2F.13  Toll Facility and Toll Plaza Guide Signs – General ............................ 272
Section 2F.14  Advance Signs for Conventional Toll Plazas .................................... 277
Section 2F.15  Advance Signs for Toll Plazas on Diverging Alignments from Open-Road ETC Account-Only Lanes ...................................................... 278
Section 2F.16  Toll Plaza Canopy Signs .................................................................. 279
Section 2F.17  Guide Signs for Entrances to ETC Account-Only Facilities ................. 279
Section 2F.18  ETC Program Information Signs ..................................................... 282

Chapter 2G.  Preferential and Manage Lane Signs

Section 2G.01  Scope ............................................................................................. 283
Section 2G.02  Sizes of Preferential and Managed Lane Signs .............................. 283
Section 2G.03  Regulatory Signs for Preferential Lanes – General ......................... 283
Section 2G.04  Preferential Lane Vehicle Occupancy Definition Regulatory Signs (R3-10 Series and R3-13 Series) ................................................................. 289
Section 2G.05  Preferential Lane Periods of Operation Regulatory Signs (R3-11 Series and R3-14 Series) ................................................................. 290
Section 2G.06  Preferential Lane Advance Regulatory Signs (R3-12, R3-12e, R3-12f, R3-15, R3-15a, R3-15d) ................................................................. 294
Section 2G.07  Preferential Lane Ends Regulatory Signs (R3-12a, R3-12b, R3-12c, R3-12d, R3-12g, R3-12h, R3-15b, R3-15c, R3-15e) ...................................................... 295
Section 2G.08  Warning Signs on Median Barriers for Preferential Lanes ................ 296
Section 2G.09  High-Occupancy Vehicle (HOV) Plaque (W16-11P) ......................... 296
Section 2G.10  Preferential Lane Guide Signs – General ......................................... 296
Section 2G.11  Guide Signs for Initial Entry Points to Preferential Lanes ................... 300
Section 2G.12  Guide Signs for Intermediate Entry Points to Preferential Lanes ........ 302
Section 2G.13  Guide Signs for Egress from Preferential Lanes to General-Purpose Lanes ................................................................. 302
Section 2G.14  Guide Signs for Direct Entrances to Preferential Lanes from Another Highway ................................................................. 305
Section 2G.15  Guide Signs for Direct Exits from Preferential Lanes to Another Highway ................................................................. 305
Section 2G.16  Signs for Priced Managed Lanes – General ..................................... 308
Section 2G.17  Regulatory Signs for Priced Managed Lanes ...................................... 311
Section 2G.18  Guide Signs for Priced Managed Lanes .......................................... 314

Chapter 2H.  General Information Signs

Section 2H.01  Sizes of General Information Signs .................................................. 325
Section 2H.02  General Information Signs (I Series) ............................................... 325
Section 2H.03  Traffic Signal Speed Sign (I1-1) ....................................................... 328
Section 2H.04  Miscellaneous Information Signs .................................................... 328
Section 2H.05  Reference Location Signs (D10-1 through D10-3) and Intermediate Reference Location Signs (D10-1a through D10-3a) ................................................................. 329
Section 2H.06  Enhanced Reference Location Signs (D10-4, D10-5, D10-H5a) .................. 330
Section 2H.07  Auto Tour Route Signs .................................................................... 331
Section 2H.08  Acknowledgment Signs .................................................................... 332

Chapter 2I.  General Service Signs

January 13, 2012  Table of Contents
Section 2L.01 Sizes of General Service Signs ................................................................. 335
Section 2L.02 General Service Signs for Conventional Roads .................................... 338
Section 2L.03 General Service Signs for Freeways and Expressways .......................... 339
Section 2L.04 Interstate Oasis Signing ........................................................................ 342
Section 2L.05 Rest Area and Other Roadside Area Signs ............................................ 342
Section 2L.06 Brake Check Area Signs (D5-13, D5-14) .............................................. 343
Section 2L.07 Chain-Up Area Signs (D5-15, D5-16) .................................................... 344
Section 2L.08 Tourist Information and Welcome Center Signs .................................... 344
Section 2L.09 Radio Information Signing .................................................................... 345
Section 2L.10 TRAVEL INFO CALL 511 Signs (D12-5, D12-5a) ............................... 347
Section 2L.11 Carpool and Ridesharing Signing .......................................................... 347

Chapter 2J. Specific Service Signs
Section 2J.01 State Policy ............................................................................................... 349
Section 2J.02 Application .............................................................................................. 349
Section 2J.03 Logos and Logo Sign Panels ................................................................. 352
Section 2J.04 Number and Size of Signs and Logo Sign Panels ................................. 353
Section 2J.05 Size of Lettering ...................................................................................... 354
Section 2J.06 Signs at Interchanges ............................................................................. 354
Section 2J.07 Single-Exit Interchanges ....................................................................... 354
Section 2J.08 Double-Exit Interchanges ..................................................................... 355
Section 2J.09 Specific Service Trailblazer Signs ......................................................... 355
Section 2J.10 Signs at Intersections ............................................................................. 356

Chapter 2K. Tourist-Oriented Directional Signs
Section 2K.01 State Policy ............................................................................................. 357
Section 2K.02 Application ............................................................................................ 357
Section 2K.03 Style and Size of Lettering .................................................................... 358
Section 2K.04 Arrangement and Size of Signs ............................................................. 358
Section 2K.05 Advance Signs ...................................................................................... 361
Section 2K.06 Sign Locations ....................................................................................... 361

Chapter 2L. Changeable Message Signs
Section 2L.01 Description of Changeable Message Signs .......................................... 363
Section 2L.02 Applications of Changeable Message Signs ........................................ 363
Section 2L.03 Legibility and Visibility of Changeable Message Signs .......................... 364
Section 2L.04 Design Characteristics of Changeable Message Signs .......................... 364
Section 2L.05 Message Length and Units of Information ............................................ 366
Section 2L.06 Installation of Permanent Changeable Message Signs .......................... 367

Chapter 2M. Recreational and Cultural Interest Area Signs
Section 2M.01 Scope ...................................................................................................... 369
Section 2M.02 Application of Recreational and Cultural Interest Area Signs ............... 369
Section 2M.03 Regulatory and Warning Signs ............................................................ 369
Section 2M.04 General Design Requirements for Recreational and Cultural Interest Area Symbol Signs .......................... 369
Section 2M.05 Symbol Sign Sizes ................................................................................. 371
Section 2M.06 Use of Educational Plaques ................................................................. 371
Section 2M.07 Use of Prohibitive Circle and Diagonal Slash for Non-Road Applications ........................................................................................................ 371
Section 2M.08 Placement of Recreational and Cultural Interest Area Symbol Signs .... 371
Section 2M.09 Destination Guide Signs ....................................................................... 374
Section 2M.10 Memorial or Dedication Signing ............................................................ 380

Chapter 2N. Emergency Management Signing
Section 2N.01 Emergency Management ...................................................................... 383
PART 3. MARKINGS

Chapter 3A. General
Section 3A.01 Functions and Limitations ............................................................. 389
Section 3A.02 Standardization of Application ...................................................... 389
Section 3A.03 Maintaining Minimum Pavement Marking Retroreflectivity .............. 389
Section 3A.04 Materials ......................................................................................... 389
Section 3A.05 Colors ............................................................................................. 390
Section 3A.06 Functions, Widths, and Patterns of Longitudinal Pavement Markings ................................. 390

Chapter 3B. Pavement and Curb Markings
Section 3B.01 Yellow Center Line Pavement Markings and Warrants .................. 393
Section 3B.02 No-Passing Zone Pavement Markings and Warrants .................... 396
Section 3B.03 Other Yellow Longitudinal Pavement Markings ......................... 399
Section 3B.04 White Lane Line Pavement Markings and Warrants .................... 399
Section 3B.05 Other White Longitudinal Pavement Markings ......................... 415
Section 3B.06 Edge Line Pavement Markings ..................................................... 416
Section 3B.07 Warrants for Use of Edge Lines .................................................. 416
Section 3B.08 Extensions Through Intersections or Interchanges ...................... 417
Section 3B.09 Lane-Reduction Transition Markings ........................................... 417
Section 3B.10 Approach Markings for Obstructions ............................................ 421
Section 3B.11 Raised Pavement Markers – General .......................................... 424
Section 3B.12 Raised Pavement Markers as Vehicle Positioning Guides with Other Longitudinal Markings ................................................................................................................. 425
Section 3B.13 Raised Pavement Markers Supplementing Other Markings .......... 425
Section 3B.14 Raised Pavement Markers Substituting for Pavement Markings .... 426
Section 3B.15 Transverse Markings ...................................................................... 427
Section 3B.16 Stop and Yield Lines ...................................................................... 427
Section 3B.17 Do Not Block Intersection Markings ............................................. 429
Section 3B.18 Crosswalk Markings ..................................................................... 430
Section 3B.19 Parking Space Markings ............................................................... 432
Section 3B.20 Pavement Word, Symbol, and Arrow Markings ......................... 432
Section 3B.21 Speed Measurement Markings ...................................................... 440
Section 3B.22 Speed Reduction Markings .......................................................... 440
Section 3B.23 Curb Markings .............................................................................. 441
Section 3B.24 Chevron and Diagonal Crosshatch Markings ............................... 442
Section 3B.25 Speed Hump Markings ................................................................. 443
Section 3B.26 Advance Speed Hump Markings .................................................. 444

Chapter 3C. Roundabout Markings
Section 3C.01 General ......................................................................................... 447
Section 3C.02 White Lane Line Pavement Markings for Roundabouts ................ 461
Section 3C.03 Edge Line Pavement Markings for Roundabout Circulatory Roadways ................................................................. 461
Section 3C.04 Yield Lines for Roundabouts ........................................................ 461
Section 3C.05 Crosswalk Markings at Roundabouts ........................................... 461
# Table of Contents

## PART 4. HIGHWAY TRAFFIC SIGNALS

### Chapter 3D. **Markings for Preferential Lanes**
- Section 3D.01 Preferential Lane Word and Symbol Markings ........................................ 463
- Section 3D.02 Preferential Lane Longitudinal Markings for Motor Vehicles .................. 464

### Chapter 3E **Markings for Toll Plazas**
- Section 3E.01 Markings for Toll Plazas ........................................................................ 473

### Chapter 3F. **Delineators**
- Section 3F.01 Delineators .......................................................................................... 475
- Section 3F.02 Delineator Design .............................................................................. 475
- Section 3F.03 Delineator Application ..................................................................... 475
- Section 3F.04 Delineator Placement and Spacing .................................................. 477

### Chapter 3G. **Colored Pavements**
- Section 3G.01 General .............................................................................................. 479

### Chapter 3H. **Channelizing Devices Used for Emphasis of Pavement Marking Patterns**
- Section 3H.01 Channelizing Devices ....................................................................... 481

### Chapter 3I. **Islands**
- Section 3I.01 General ............................................................................................... 483
- Section 3I.02 Approach-End Treatment .................................................................... 483
- Section 3I.03 Island Marking Application ................................................................. 483
- Section 3I.04 Island Marking Colors ...................................................................... 483
- Section 3I.05 Island Delineation ............................................................................ 484
- Section 3I.06 Pedestrian Islands and Medians ....................................................... 484

### Chapter 3J **Rumble Strip Markings**
- Section 3J.01 Longitudinal Rumble Strip Markings .................................................. 485
- Section 3J.02 Transverse Rumble Strip Markings .................................................... 485

### PART 4. HIGHWAY TRAFFIC SIGNALS

### Chapter 4A. **General**
- Section 4A.01 Types ............................................................................................... 487
- Section 4A.02 Definitions Relating to Highway Traffic Signals ............................... 487

### Chapter 4B. **Traffic Control Signals—General**
- Section 4B.01 General ............................................................................................ 489
- Section 4B.02 Basis of Installation or Removal of Traffic Control Signals ................. 489
- Section 4B.03 Advantages and Disadvantages of Traffic Control Signals .......... 489
- Section 4B.04 Alternatives to Traffic Control Signals ........................................... 490
- Section 4B.05 Adequate Roadway Capacity ............................................................. 491
- Section 4B.06 Traffic Signals on State Highway Extensions in Villages ..................... 491

### Chapter 4C. **Traffic Control Signal Needs Studies**
- Section 4C.01 Studies and Factors for Justifying Traffic Control Signals ................. 493
- Section 4C.02 Warrant 1, Eight-Hour Vehicular Volume ........................................ 495
- Section 4C.03 Warrant 2, Four-Hour Vehicular Volume ........................................... 496
- Section 4C.04 Warrant 3, Peak Hour ...................................................................... 499
- Section 4C.05 Warrant 4, Pedestrian Volume .......................................................... 499
- Section 4C.06 Warrant 5, School Crossing ............................................................... 500
Chapter 4D. Traffic Control Signal Features

Section 4D.01 General ........................................... 509
Section 4D.02 Responsibility for Operation and Maintenance ........................................... 510
Section 4D.03 Provisions for Pedestrians ........................................... 510
Section 4D.04 Meaning of Vehicular Signal Indications ........................................... 511
Section 4D.05 Application of Steady Signal Indications ........................................... 513
Section 4D.06 Signal Indications – Design, Illumination, Color, and Shape ........................................... 517
Section 4D.07 Size of Vehicular Signal Indications ........................................... 517
Section 4D.08 Positions of Signal Indications Within a Signal Face – General ........................................... 518
Section 4D.09 Positions of Signal Indications Within a Vertical Signal Face ........................................... 519
Section 4D.10 Positions of Signal Indications Within a Horizontal Signal Face ........................................... 520
Section 4D.11 Number of Signal Faces on an Approach ........................................... 521
Section 4D.12 Visibility, Aiming, and Shielding of Signal Faces ........................................... 523
Section 4D.13 Lateral Positioning of Signal Faces ........................................... 525
Section 4D.14 Longitudinal Positioning of Signal Faces ........................................... 526
Section 4D.15 Mounting Height of Signal Faces ........................................... 527
Section 4D.16 Lateral Offset (Clearance) of Signal Faces ........................................... 528
Section 4D.17 Signal Indications for Left-Turn Movements – General ........................................... 528
Section 4D.18 Signal Indications for Permissive Only Mode Left-Turn Movements ........................................... 530
Section 4D.19 Signal Indications for Protected Only Mode Left-Turn Movements ........................................... 531
Section 4D.20 Signal Indications for Protected/Permissive Mode Left-Turn Movements ........................................... 532
Section 4D.21 Signal Indications for Right-Turn Movements – General ........................................... 536
Section 4D.22 Signal Indications for Permissive Only Mode Right-Turn Movements ........................................... 537
Section 4D.23 Signal Indications for Protected Only Mode Right-Turn Movements ........................................... 540
Section 4D.24 Signal Indications for Protected/Permissive Mode Right-Turn Movements ........................................... 542
Section 4D.25 Signal Indications for Approaches With Shared Left-Turn/Right-Turn Lanes and No Through Movement ........................................... 544
Section 4D.26 Yellow Change and Red Clearance Intervals ........................................... 549
Section 4D.27 Preemption and Priority Control of Traffic Control Signals ........................................... 550
Section 4D.28 Flashing Operation of Traffic Control Signals – General ........................................... 552
Section 4D.29 Flashing Operation – Transition Into Flashing Mode ........................................... 552
Section 4D.30 Flashing Operation – Signal Indications During Flashing Mode ........................................... 552
Section 4D.31 Flashing Operation – Transition Out of Flashing Mode ........................................... 553
Section 4D.32 Temporary and Portable Traffic Control Signals ........................................... 554
Section 4D.33 Lateral Offset of Signal Supports and Cabinets ........................................... 554
Section 4D.34 Use of Signs at Signalized Locations ........................................... 555
Section 4D.35 Use of Pavement Markings at Signalized Locations ........................................... 555

Chapter 4E. Pedestrian Control Features

Section 4E.01 Pedestrian Signal Heads ........................................... 557
Section 4E.02 Meaning of Pedestrian Signal Head Indications ........................................... 557
Section 4E.03 Application of Pedestrian Signal Heads ........................................... 557
Section 4E.04 Size, Design, and Illumination of Pedestrian Signal Head Indications ........................................... 558
Section 4E.05 Location and Height of Pedestrian Signal Heads ........................................... 559
Section 4E.06 Pedestrian Intervals and Signal Phases ........................................... 559
Section 4E.07 Countdown Pedestrian Signals ........................................... 562
Section 4E.08 Pedestrian Detectors ........................................... 563
Section 4E.09 Accessible Pedestrian Signals and Detectors – General ........................................... 567
Chapter 4F. Pedestrian Hybrid Beacons
Section 4F.01 Application of Pedestrian Hybrid Beacons .................................................. 573
Section 4F.02 Design of Pedestrian Hybrid Beacons ......................................................... 573
Section 4F.03 Operation of Pedestrian Hybrid Beacons ...................................................... 576

Chapter 4G. Traffic Control Signals and Hybrid Beacons for Emergency Vehicle Access
Section 4G.01 Application of Emergency-Vehicle Traffic Control Signals and Hybrid Beacons ........ 577
Section 4G.02 Design of Emergency-Vehicle Traffic Control Signals .................................. 577
Section 4G.03 Operation of Emergency-Vehicle Traffic Control Signals ................................. 578
Section 4G.04 Emergency-Vehicle Hybrid Beacons ............................................................. 578

Chapter 4H. Traffic Control Signals for One-Lane, Two-Way Facilities
Section 4H.01 Application of Traffic Control Signals for One-Lane, Two-Way Facilities .............. 581
Section 4H.02 Design of Traffic Control Signals for One-Lane, Two-Way Facilities .................... 581
Section 4H.03 Operation of Traffic Control Signals for One-Lane, Two-Way Facilities ................ 581

Chapter 4I. Traffic Control Signals for Freeway Entrance Ramps
Section 4I.01 Application of Freeway Entrance Ramp Control Signals .................................. 583
Section 4I.02 Design of Freeway Entrance Ramp Control Signals ........................................ 583
Section 4I.03 Operation of Freeway Entrance Ramp Control Signals ..................................... 584

Chapter 4J. Traffic Control for Movable Bridges
Section 4J.01 Application of Traffic Control for Movable Bridges ......................................... 585
Section 4J.02 Design and Location of Movable Bridge Signals and Gates ................................. 585
Section 4J.03 Operation of Movable Bridge Signals and Gates .............................................. 587

Chapter 4K. Highway Traffic Signals at Toll Plazas
Section 4K.01 Traffic Signals at Toll Plazas ........................................................................... 589
Section 4K.02 Lane-Use Control Signals at or Near Toll Plazas ............................................... 589
Section 4K.03 Warning Beacons at Toll Plazas ....................................................................... 589

Chapter 4L. Flashing Beacons
Section 4L.01 General Design and Operation of Flashing Beacons .......................................... 591
Section 4L.02 Intersection Control Beacon ............................................................................. 591
Section 4L.03 Warning Beacon ................................................................................................ 592
Section 4L.04 Speed Limit Sign Beacon ................................................................................... 592
Section 4L.05 Stop Beacon ....................................................................................................... 593

Chapter 4M. Lane-Use Control Signals
Section 4M.01 Application of Lane-Use Control Signals ......................................................... 595
Section 4M.02 Meaning of Lane-Use Control Signal Indications ............................................. 595
Section 4M.03 Design of Lane-Use Control Signals ................................................................. 596
Section 4M.04 Operation of Lane-Use Control Signals ............................................................. 597

Chapter 4N. In-Roadway Lights
Section 4N.01 Application of In-Roadway Lights .................................................................... 599
Section 4N.02 In-Roadway Warning Lights at Crosswalks ....................................................... 599

PART 5. TRAFFIC CONTROL DEVICES FOR LOW-VOLUME ROADS
Chapter 5A. General
Chapter 5B. Regulatory Signs
Section 5B.01 Introduction .......................................................... 605
Section 5B.02 STOP and YIELD Signs (R1-1, R1-2) ....................... 605
Section 5B.03 Speed Limit Signs (R2 Series) ............................... 605
Section 5B.04 Traffic Movement and Prohibition Signs (R3, R4, R5, R6, R9, R10, R11, R12, R13, and R14 Series) ......................... 605
Section 5B.05 Parking Signs (R8 Series) ...................................... 650
Section 5B.06 Other Regulatory Signs ......................................... 606

Chapter 5C. Warning Signs
Section 5C.01 Introduction ......................................................... 607
Section 5C.02 Horizontal Alignment Signs (W1-1 through W1-8) .......... 607
Section 5C.03 Intersection Warning Signs (W2-1 through W2-6) ........... 608
Section 5C.04 Stop Ahead and Yield Ahead Signs (W3-1, W3-2) ............ 608
Section 5C.05 NARROW BRIDGE Sign (W5-2) ............................... 608
Section 5C.06 ONE LANE BRIDGE Sign (W5-3) ............................ 608
Section 5C.07 Hill Sign (W7-1) .................................................... 608
Section 5C.08 PAVEMENT ENDS Sign (W8-3) ............................... 608
Section 5C.09 Vehicular Traffic Warning and Non-Vehicular Warning Signs (W11 Series and W8-6) ........................................ 608
Section 5C.10 Advisory Speed Plaque (W13-1P) .............................. 610
Section 5C.11 DEAD END or NO OUTLET Signs (W14-1, W14-1a, W14-2, W14-2a) .................................................. 610
Section 5C.12 NO TRAFFIC SIGNS Sign (W18-1) .......................... 610
Section 5C.13 Other Warning Signs .......................................... 610
Section 5C.14 Object Markers and Barricades ............................... 610

Chapter 5D. Guide Signs
Section 5D.01 Introduction ......................................................... 613

Chapter 5E. Markings
Section 5E.01 Introduction ......................................................... 615
Section 5E.02 Center Line Markings ........................................... 615
Section 5E.03 Edge Line Markings ............................................. 615
Section 5E.04 Delineators ....................................................... 615
Section 5E.05 Other Markings .................................................. 615

Chapter 5F. Traffic Control for Highway-Rail Grade Crossings
Section 5F.01 Introduction ......................................................... 617
Section 5F.02 Grade Crossing (Crossbuck) Sign and Number of Tracks Plaque (R15-1, R15-2P) ........................................ 617
Section 5F.03 Grade Crossing Advance Warning Signs (W10 Series) .......... 617
Section 5F.04 STOP and YIELD Signs (R1-1, R1-2) .......................... 617
Section 5F.05 Pavement Markings ............................................. 618
Section 5F.06 Other Traffic Control Devices .................................. 618

Chapter 5G. Temporary Traffic Control Zones
Section 5G.01 Introduction ......................................................... 619
Section 5G.02 Applications ..................................................... 619
Section 5G.03 Channelization Devices ........................................ 620
Section 5G.04 Markings ........................................................... 620
Section 5G.05 Other Traffic Control Devices ................................. 620
Chapter 5H.  Traffic Control for School Areas
Section 5H.01  Introduction ........................................................................................................ 621

PART 6.  TEMPORARY TRAFFIC CONTROL

Chapter 6A.  General
Section 6A.01  General ................................................................................................................ 623

Chapter 6B.  Fundamental Principles
Section 6B.01  Fundamental Principles of Temporary Traffic Control ........................................ 625

Chapter 6C.  Temporary Traffic Control Elements
Section 6C.01  Temporary Traffic Control Plans ........................................................................ 629
Section 6C.02  Temporary Traffic Control Zones .................................................................... 630
Section 6C.03  Components of Temporary Traffic Control Zones ........................................ 630
Section 6C.04  Advance Warning Area .................................................................................. 630
Section 6C.05  Transition Area ............................................................................................... 632
Section 6C.06  Activity Area ..................................................................................................... 633
Section 6C.07  Termination Area ............................................................................................. 635
Section 6C.08  Tapers .................................................................................................................. 635
Section 6C.09  Detours and Diversions .................................................................................... 636
Section 6C.10  One-Lane, Two-Way Traffic Control ............................................................... 637
Section 6C.11  Flagger Method of One-Lane, Two-Way Traffic Control ................................ 637
Section 6C.12  Flag Transfer Method of One-Lane, Two-Way Traffic Control ...................... 637
Section 6C.13  Pilot Car Method of One-Lane, Two-Way Traffic Control ............................... 639
Section 6C.14  Temporary Traffic Control Signal Method of One-Lane, Two-Way Traffic Control .......................... 639
Section 6C.15  Stop or Yield Control Method of One-Lane, Two-Way Traffic Control .......... 639

Chapter 6D.  Pedestrian and Worker Safety
Section 6D.01  Pedestrian Considerations .............................................................................. 641
Section 6D.02  Accessibility Considerations ............................................................................ 643
Section 6D.03  Worker Safety Considerations .......................................................................... 644

Chapter 6E.  Flagger Control
Section 6E.01  Qualifications for Flaggers .............................................................................. 647
Section 6E.02  High-Visibility Safety Apparel ......................................................................... 647
Section 6E.03  Hand-Signaling Devices .................................................................................. 647
Section 6E.04  Automated Flagger Assistance Devices ........................................................... 649
Section 6E.05  STOP/SLOW Automated Flagger Assistance Devices .................................... 650
Section 6E.06  Red/Yellow Lens Automated Flagger Assistance Devices ............................... 653
Section 6E.07  Flagger Procedures ......................................................................................... 654
Section 6E.08  Flagger Stations ............................................................................................... 655

Chapter 6F.  Temporary Traffic Control Zone Devices
Section 6F.01  Types of Devices .............................................................................................. 659
Section 6F.02  General Characteristics of Signs ..................................................................... 659
Section 6F.03  Sign Placement ................................................................................................. 660
Section 6F.04  Sign Maintenance ............................................................................................. 668
Section 6F.05  Regulatory Sign Authority .............................................................................. 668
Section 6F.06  Regulatory Sign Design ................................................................................... 668
Section 6F.07  Regulatory Sign Applications ......................................................................... 668
Section 6F.08  ROAD (STREET) CLOSED Sign (R11-2) ......................................................... 668
Section 6F.09  Local Traffic Only Signs (R11-3a, R11-3b, R11-4, R11-H8) ........................... 670
Section 6F.10  Weight Limit Signs (R12-1, R12-2, R12-H5) .................................................... 671
<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6F.11</td>
<td>STAY IN LANE Sign (R4-9)</td>
</tr>
<tr>
<td>6F.12</td>
<td>Work Zone and Higher Fines Signs and Plaques</td>
</tr>
<tr>
<td>6F.13</td>
<td>PEDESTRIAN CROSSWALK Sign (R9-8)</td>
</tr>
<tr>
<td>6F.14</td>
<td>SIDEWALK CLOSED Signs (R9-9, R9-10, R9-11, R9-11a)</td>
</tr>
<tr>
<td>6F.15</td>
<td>Special Regulatory Signs</td>
</tr>
<tr>
<td>6F.16</td>
<td>Warning Sign Function, Design, and Application</td>
</tr>
<tr>
<td>6F.17</td>
<td>Position of Advance Warning Signs</td>
</tr>
<tr>
<td>6F.18</td>
<td>ROAD (STREET) WORK Sign (W20-1)</td>
</tr>
<tr>
<td>6F.19</td>
<td>DETOUR Sign (W20-2)</td>
</tr>
<tr>
<td>6F.20</td>
<td>ROAD (STREET) CLOSED Sign (W20-3)</td>
</tr>
<tr>
<td>6F.21</td>
<td>ONE LANE ROAD Sign (W20-4)</td>
</tr>
<tr>
<td>6F.22</td>
<td>Lane(s) Closed Signs (W20-5, W20-5a)</td>
</tr>
<tr>
<td>6F.23</td>
<td>CENTER LANE CLOSED AHEAD Sign (W9-3)</td>
</tr>
<tr>
<td>6F.24</td>
<td>Lane Ends Sign (W4-2)</td>
</tr>
<tr>
<td>6F.25</td>
<td>ON RAMP Plaque (W13-4P)</td>
</tr>
<tr>
<td>6F.26</td>
<td>RAMP NARROWS Sign (W5-4)</td>
</tr>
<tr>
<td>6F.27</td>
<td>SLOW TRAFFIC AHEAD Sign (W23-1)</td>
</tr>
<tr>
<td>6F.28</td>
<td>EXIT OPEN and EXIT CLOSED (AHEAD) Signs (E5-2, E5-2a, E5-H2b, E5-H2c)</td>
</tr>
<tr>
<td>6F.29</td>
<td>EXIT ONLY Sign (E5-3)</td>
</tr>
<tr>
<td>6F.30</td>
<td>NEW TRAFFIC PATTERN AHEAD Sign (W23-2)</td>
</tr>
<tr>
<td>6F.31</td>
<td>Flagger Signs (W20-7, W20-7a)</td>
</tr>
<tr>
<td>6F.32</td>
<td>Two-Way Traffic Sign (W6-3)</td>
</tr>
<tr>
<td>6F.33</td>
<td>Workers Signs (W21-1, W21-1a)</td>
</tr>
<tr>
<td>6F.34</td>
<td>FRESH OIL (TAR) Sign (W21-2)</td>
</tr>
<tr>
<td>6F.35</td>
<td>ROAD MACHINERY AHEAD Sign (W21-3)</td>
</tr>
<tr>
<td>6F.36</td>
<td>Motorized Traffic Signs (W8-6, W11-10)</td>
</tr>
<tr>
<td>6F.37</td>
<td>Shoulder Work Signs (W21-5, W21-5a, W21-5b)</td>
</tr>
<tr>
<td>6F.38</td>
<td>SURVEY CREW Sign (W21-6)</td>
</tr>
<tr>
<td>6F.39</td>
<td>UTILITY WORK Sign (W21-7)</td>
</tr>
<tr>
<td>6F.40</td>
<td>Signs for Blasting Areas</td>
</tr>
<tr>
<td>6F.41</td>
<td>BLASTING ZONE AHEAD Sign (W22-1)</td>
</tr>
<tr>
<td>6F.42</td>
<td>TURN OFF 2-WAY RADIO AND CELL PHONE Sign (W22-2)</td>
</tr>
<tr>
<td>6F.43</td>
<td>END BLASTING ZONE Sign (W22-3)</td>
</tr>
<tr>
<td>6F.44</td>
<td>Shoulder Signs and Plaque (W8-4, W8-9, W8-17, W8-17P)</td>
</tr>
<tr>
<td>6F.45</td>
<td>UNEVEN LANES Sign (W8-11)</td>
</tr>
<tr>
<td>6F.46</td>
<td>STEEL PLATE AHEAD Sign (W8-24)</td>
</tr>
<tr>
<td>6F.47</td>
<td>NO CENTER LINE and NO EDGE LINE Signs (W8-12,W8-H12a)</td>
</tr>
<tr>
<td>6F.48</td>
<td>Reverse Curve Signs (W1-4 Series)</td>
</tr>
<tr>
<td>6F.49</td>
<td>Double Reverse Curve Signs (W24-1 Series)</td>
</tr>
<tr>
<td>6F.50</td>
<td>Other Warning Signs</td>
</tr>
<tr>
<td>6F.50.1</td>
<td>Construction Arrow Sign (W1-H16)</td>
</tr>
<tr>
<td>6F.51</td>
<td>Special Warning Signs</td>
</tr>
<tr>
<td>6F.52</td>
<td>Advisory Speed Plaque (W13-1P)</td>
</tr>
<tr>
<td>6F.53</td>
<td>Supplementary Distance Plaque (W7-3aP)</td>
</tr>
<tr>
<td>6F.54</td>
<td>Motorcycle Plaque (W8-15P)</td>
</tr>
<tr>
<td>6F.55</td>
<td>Guide Signs</td>
</tr>
<tr>
<td>6F.56</td>
<td>ROAD WORK NEXT XX MILES Sign (G20-1)</td>
</tr>
<tr>
<td>6F.57</td>
<td>END ROAD WORK Sign (G20-2)</td>
</tr>
<tr>
<td>6F.58</td>
<td>PILOT CAR FOLLOW ME Sign (G20-4)</td>
</tr>
<tr>
<td>6F.59</td>
<td>Detour Signs (M4-8, M4-8a, M4-8b, M4-9, M4-9a, M4-9b, M4-9c, M4-10)</td>
</tr>
<tr>
<td>6F.60</td>
<td>Portable Changeable Message Signs</td>
</tr>
<tr>
<td>6F.61</td>
<td>Arrow Boards</td>
</tr>
<tr>
<td>6F.62</td>
<td>High-Level Warning Devices (Flag Trees)</td>
</tr>
</tbody>
</table>
Section 6F.63 Channelizing Devices .................................................. 690
Section 6F.64 Cones ................................................................. 693
Section 6F.65 Tubular Markers .................................................. 694
Section 6F.66 Vertical Panels .................................................. 694
Section 6F.67 Drums ................................................................. 695
Section 6F.68 Type 1, 2, or 3 Barricades ..................................... 695
Section 6F.69 Direction Indicator Barricades .................................. 696
Section 6F.70 Temporary Traffic Barriers as Channelizing Devices .... 697
Section 6F.71 Longitudinal Channelizing Devices ....................... 697
Section 6F.72 Temporary Lane Separators .................................. 698
Section 6F.73 Other Channelizing Devices .................................. 698
Section 6F.74 Detectable Edging for Pedestrians ......................... 698
Section 6F.75 Temporary Raised Islands ..................................... 699
Section 6F.76 Opposing Traffic Lane Divider and Sign (W6-4) ....... 700
Section 6F.77 Pavement Markings ............................................. 700
Section 6F.78 Temporary Markings ............................................. 700
Section 6F.79 Temporary Raised Pavement Markers ..................... 701
Section 6F.80 Delineators .......................................................... 702
Section 6F.81 Lighting Devices .................................................. 702
Section 6F.82 Floodlights ......................................................... 702
Section 6F.83 Warning Lights .................................................... 703
Section 6F.84 Temporary Traffic Control Signals ......................... 704
Section 6F.85 Temporary Traffic Barriers .................................... 705
Section 6F.86 Crash Cushions .................................................... 706
Section 6F.87 Rumble Strips ..................................................... 707
Section 6F.88 Screens ............................................................... 708

Chapter 6G. Type of Temporary Traffic Control Zone Activities

Section 6G.01 Typical Applications ............................................ 709
Section 6G.02 Work Duration .................................................... 709
Section 6G.03 Location of Work ............................................... 711
Section 6G.04 Modifications To Fulfill Special Needs .................... 711
Section 6G.05 Work Affecting Pedestrian and Bicycle Facilities .... 712
Section 6G.06 Work Outside of the Shoulder ............................... 713
Section 6G.07 Work on the Shoulder with No Encroachment ........ 713
Section 6G.08 Work on the Shoulder with Minor Encroachment .... 714
Section 6G.09 Work Within the Median ..................................... 714
Section 6G.10 Work Within the Traveled Way of a Two-Lane Highway ... 714
Section 6G.11 Work Within the Traveled Way of an Urban Street ...... 715
Section 6G.12 Work Within the Traveled Way of Multi-Lane, Non-Access Controlled Highways ...... 716
Section 6G.13 Work Within the Traveled Way at an Intersection .... 717
Section 6G.14 Work Within the Traveled Way of a Freeway or Expressway .... 718
Section 6G.15 Two-Lane, Two-Way Traffic on One Roadway of a Normally Divided Highway ........ 719
Section 6G.16 Crossovers .......................................................... 719
Section 6G.17 Interchanges ........................................................ 719
Section 6G.18 Work in the Vicinity of a Grade Crossing ................. 720
Section 6G.19 Temporary Traffic Control During Nighttime Hours ...... 720

Chapter 6H. Typical Applications

Section 6H.01 Typical Applications ............................................ 723

Chapter 6I Control of Traffic Through Traffic Incident Management Areas

Section 6I.01 General ............................................................... 821
Section 6I.02 Major Traffic Incidents ........................................ 822
PART 7. TRAFFIC CONTROLS FOR SCHOOL AREAS

Chapter 7A. General
Section 7A.01 Need for Standards .................................................. 825
Section 7A.02 School Routes and Established School Crossings ................. 825
Section 7A.03 School Crossing Control Criteria .................................. 826
Section 7A.04 Scope ..................................................................... 826

Chapter 7B. Signs
Section 7B.01 Size of School Signs .................................................. 828
Section 7B.02 Illumination and Reflectorization .................................. 828
Section 7B.03 Position of Signs ....................................................... 828
Section 7B.04 Height of Signs ........................................................ 828
Section 7B.05 Installation of Signs .................................................... 828
Section 7B.06 Lettering ................................................................. 828
Section 7B.07 Sign Color for School Warning Signs .............................. 828
Section 7B.08 School Sign (S1-1) and Plaques .................................. 831
Section 7B.09 School Zone Ahead Assembly (S1-1, S4-3P, W16-2P, W16-2aP, W16-5P, W16-6P, W16-9P) .................................................. 831
Section 7B.10 School Speed Limit Assembly (S4-1P, S4-3P, S4-H8P, S4-6P), School Speed Limit Sign (S5-1), and END SCHOOL SPEED LIMIT Sign (S5-3) .................................................. 831
Section 7B.11 Higher Fines Zone Signs (R2-10, R2-11) and Plaques ........ 833
Section 7B.12 School Crossing Ahead Assembly ................................ 833
Section 7B.13 School Crossing Assembly ......................................... 833
Section 7B.14 School Bus Stop Ahead Sign (S3-1) ................................ 834
Section 7B.15 SCHOOL BUS TURN AHEAD Sign (S3-2) ...................... 834
Section 7B.16 School Speed Limit Ahead Sign (S4-5, S4-5a) ................. 834
Section 7B.17 Parking and Stopping Signs (R7 and R8 Series) .................. 835
Section 7B.18 STOP FOR SCHOOL BUS LOADING OR UNLOADING Sign (R16-H3) .................................................. 835

Chapter 7C. Markings
Section 7C.01 Functions and Limitations .......................................... 841
Section 7C.02 Crosswalk Markings .................................................. 841
Section 7C.03 Pavement Word, Symbol, and Arrow Markings ............... 841

Chapter 7D. Crossing Supervision
Section 7D.01 Types of Crossing Supervision .................................... 843
Section 7D.02 Adult Crossing Guards .............................................. 843
Section 7D.03 Qualifications of Adult Crossing Guards ......................... 843
Section 7D.04 Uniform of Adult Crossing Guards ............................... 843
Section 7D.05 Operating Procedures for Adult Crossing Guards ............. 843

PART 8. TRAFFIC CONTROLS FOR RAILROAD AND LIGHT RAIL TRANSIT GRADE CROSSINGS

Chapter 8A. General
Section 8A.01 Introduction ............................................................ 845
Section 8A.02 Use of Standard Devices, Systems, and Practices at Highway-Rail Grade Crossings ........................................ 846
Section 8A.03 Use of Standard Devices, Systems, and Practices at Highway-LRT Grade Crossings ........................................ 846
Section 8A.04 Uniform Provisions ................................................. 847
Section 8A.05 Grade Crossing Elimination ........................................ 848
### Chapter 8B. Signs and Markings

#### Section 8B.01 Purpose
- 851

#### Section 8B.02 Sizes of Grade Crossing Signs
- 851

#### Section 8B.03 Grade Crossing (Crossbuck) Sign (R15-1) and Number of Tracks Plaque (R15-2P) at Active and Passive Grade Crossings
- 851

#### Section 8B.04 Crossbuck Assemblies with YIELD or STOP Signs at Passive Grade Crossings
- 855

#### Section 8B.05 Use of STOP (R1-1) or YIELD (R1-2) Signs without Crossbuck Signs at Highway-LRT Grade Crossings
- 859

#### Section 8B.06 Grade Crossing Advance Warning Signs (W10 Series)
- 860

#### Section 8B.07 EXEMPT Grade Crossing Plaques (R15-3P, W10-1aP)
- 861

#### Section 8B.08 Turn Restrictions During Preemption
- 861

#### Section 8B.09 DO NOT STOP ON TRACKS Sign (R8-8)
- 862

#### Section 8B.10 TRACKS OUT OF SERVICE Sign (R8-9)
- 862

#### Section 8B.11 STOP HERE WHEN FLASHING Signs (R8-10, R8-10a)
- 862

#### Section 8B.12 STOP HERE ON RED Signs (R10-6, R10-6a)
- 862

#### Section 8B.13 Light Rail Transit Only Lane Signs (R15-4 Series)
- 863

#### Section 8B.14 Do Not Pass Light Rail Transit Signs (R15-5, R15-5a)
- 863

#### Section 8B.15 No Motor Vehicles On Tracks Signs (R15-6, R15-6a)
- 863

#### Section 8B.16 Divided Highway with Light Rail Transit Crossing Signs (R15-7 Series)
- 864

#### Section 8B.17 LOOK Sign (R15-8)
- 864

#### Section 8B.18 Emergency Notification Sign (I-13)
- 864

#### Section 8B.19 Light Rail Transit Approaching-Activated Blank-Out Warning Sign (W10-7)
- 865

#### Section 8B.20 TRAINS MAY EXCEED 80 MPH Sign (W10-8)
- 865

#### Section 8B.21 NO TRAIN HORN Sign or Plaque (W10-9, W10-9P)
- 865

#### Section 8B.22 NO GATES OR LIGHTS Plaque (W10-13P)
- 865

#### Section 8B.23 Low Ground Clearance Grade Crossing Sign (W10-5)
- 865

#### Section 8B.24 Storage Space Signs (W10-11, W10-11a, W10-11b)
- 866

#### Section 8B.25 Skewed Crossing Sign (W10-12)
- 866

#### Section 8B.26 Light Rail Transit Station Sign (I-12)
- 866

#### Section 8B.27 Pavement Markings
- 866

#### Section 8B.28 Stop and Yield Lines
- 868

#### Section 8B.29 Dynamic Envelope Markings
- 869

### Chapter 8C. Flashing-Light Signals, Gates, and Traffic Control Signals

#### Section 8C.01 Introduction
- 873

#### Section 8C.02 Flashing-Light Signals
- 875

#### Section 8C.03 Flashing-Light Signals at Highway-LRT Grade Crossings
- 876

#### Section 8C.04 Automatic Gates
- 876

#### Section 8C.05 Use of Automatic Gates at LRT Grade Crossings
- 877

#### Section 8C.06 Four-Quadrant Gate Systems
- 877

#### Section 8C.07 Wayside Horn Systems
- 880

#### Section 8C.08 Rail Traffic Detection
- 880

#### Section 8C.09 Traffic Control Signals at or Near Highway-Rail Grade Crossings
- 880

#### Section 8C.10 Traffic Control Signals at or Near Highway-LRT Grade Crossings
- 882

#### Section 8C.11 Use of Traffic Control Signals for Control of LRT Vehicles at Grade Crossings
- 883

#### Section 8C.12 Grade Crossings Within or In Close Proximity to Circular Intersections
- 885

#### Section 8C.13 Pedestrian and Bicycle Signals and Crossings at LRT Grade Crossings
- 885

### Chapter 8D. Pathway Grade Crossings

#### Section 8D.01 Purpose
- 891
# Section 8D.02 Use of Standard Devices, Systems, and Practices

- Page 891

# Section 8D.03 Pathway Grade Crossing Signs and Markings

- Page 891

# Section 8D.04 Stop Lines, Edge Lines, and Detectable Warnings

- Page 891

# Section 8D.05 Passive Devices for Pathway Grade Crossings

- Page 892

# Section 8D.06 Active Traffic Control Systems for Pathway Grade Crossings

- Page 893

## PART 9. TRAFFIC CONTROLS FOR BICYCLE FACILITIES

### Chapter 9A. General

- Section 9A.01 Requirements for Bicyclist Traffic Control Devices
- Page 895
- Section 9A.02 Scope
- Page 895
- Section 9A.03 Definitions Relating to Bicycles
- Page 895
- Section 9A.04 Maintenance
- Page 895
- Section 9A.05 Relation to Other Documents
- Page 895
- Section 9A.06 Placement Authority
- Page 895
- Section 9A.07 Meaning of Standard, Guidance, Option, and Support
- Page 895
- Section 9A.08 Colors
- Page 896

### Chapter 9B. Signs

- Section 9B.01 Application and Placement of Signs
- Page 897
- Section 9B.02 Design of Bicycle Signs
- Page 897
- Section 9B.03 STOP and YIELD Signs (R1-1, R1-2)
- Page 897
- Section 9B.04 Bike Lane Signs and Plaques (R3-17, R3-17aP, R3-17bP)
- Page 898
- Section 9B.05 BEGIN RIGHT TURN LANE YIELD TO BIKES Sign (R4-4)
- Page 902
- Section 9B.06 Bicycles MAY USE FULL LANE Sign (R4-11)
- Page 902
- Section 9B.07 Bicycle WRONG WAY Sign and RIDE WITH TRAFFIC Plaque (R5-1b, R9-3cP)
- Page 902
- Section 9B.08 NO MOTOR VEHICLES Sign (R5-3)
- Page 902
- Section 9B.09 Selective Exclusion Signs
- Page 902
- Section 9B.10 No Parking BIKE LANE Signs (R7-9, R7-9a)
- Page 903
- Section 9B.11 Bicycle Regulatory Signs (R9-5, R9-6, R10-4, R10-24, R10-25, R10-26)
- Page 903
- Section 9B.12 Shared-Use Path Restriction Sign (R9-7)
- Page 903
- Section 9B.13 Bicycle Signal Actuation Sign (R10-22)
- Page 904
- Section 9B.14 Other Regulatory Signs
- Page 904
- Section 9B.15 Turn or Curve Warning Signs (W1 Series)
- Page 904
- Section 9B.16 Intersection Warning Signs (W2 Series)
- Page 904
- Section 9B.17 Bicycle Surface Condition Warning Sign (W8-10)
- Page 904
- Section 9B.18 Bicycle Warning and Combined Bicycle/Pedestrian Signs (W11-1, W11-15)
- Page 904
- Section 9B.19 Other Bicycle Warning Signs
- Page 906
- Section 9B.20 Bicycle Guide Signs (D1-1b, D1-1c, D1-2b, D1-2c, D1-3b, D1-3c, D1-1, D11-1c)
- Page 906
- Section 9B.21 Bicycle Route Signs (M1-8, M1-8a, M1-9)
- Page 907
- Section 9B.22 Bicycle Route Sign Auxiliary Plaques
- Page 910
- Section 9B.23 Bicycle Parking Area Sign (D4-3)
- Page 912
- Section 9B.24 Reference Location Signs (D10-1 through D10-3) and Intermediate Reference Location Signs (D10-1a through D10-3a)
- Page 912
- Section 9B.25 Mode-Specific Guide Signs for Shared-Use Paths (D11-1a, D11-2, D11-3, D11-4)
- Page 913
- Section 9B.26 Object Markers
- Page 913

### Chapter 9C. Markings

- Section 9C.01 Functions of Markings
- Page 915
- Section 9C.02 General Principles
- Page 915
- Section 9C.03 Marking Patterns and Colors on Shared-Use Paths
- Page 915
- Section 9C.04 Markings For Bicycle Lanes
- Page 915
- Section 9C.05 Bicycle Detector Symbol
- Page 919
- Section 9C.06 Pavement Markings for Obstructions
- Page 919
Section 9C.07  Shared Lane Marking

Chapter 9D.  Signals
Section 9D.01  Application
Section 9D.02  Signal Operations for Bicycles

APPENDIX A LEGISLATION RELATED TO THE NATIONAL MUTCD AND METRIC CONVERSIONS
Appendix A1  Congressional Legislation Regarding the National MUTCD
Appendix A2  Metric Conversions

APPENDIX B OHIO REVISED CODE MATERIAL RELATED TO THE OMUTCD
Appendix B1  Cross-Reference Guide to the Ohio Revised Code
Appendix B2  Ohio Revised Code Sections

APPENDIX C SIGNING INDEX
Regulatory Signs
Warning Signs
Guide Signs – Marker Series
Guide Signs – Directional Series
Guide Signs – Freeways, Expressways and Miscellaneous
Guide Signs – Information Series
Recreational and Cultural Interest Series
Emergency Management Series
Object Markers and End-of-Roadway Markers
School Area Signs

APPENDIX D INDEX (Future)

FIGURES

Table of Contents  January 13, 2012
<table>
<thead>
<tr>
<th>Figure</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2B-14</td>
<td>Locations of ONE WAY Signs</td>
<td>93</td>
</tr>
<tr>
<td>2B-15</td>
<td>ONE WAY Signing for Divided Highways with Median Widths of 30 Feet or Wider</td>
<td>94</td>
</tr>
<tr>
<td>2B-16</td>
<td>ONE WAY Signing for Divided Highways with Medians Narrower Than 30 Feet</td>
<td>95</td>
</tr>
<tr>
<td>2B-17</td>
<td>ONE WAY Signing for Divided Highways with Medians Narrower Than 30 Feet and Separated Left-Turn Lanes</td>
<td>96</td>
</tr>
<tr>
<td>2B-18</td>
<td>Example of Application of Regulatory Signing and Pavement Markings at an Exit Ramp Termination to Deter Wrong-Way Entry</td>
<td>97</td>
</tr>
<tr>
<td>2B-19</td>
<td>Example of Application of Regulatory Signing and Pavement Markings at an Entrance Ramp Terminal Where the Design Does Not Clearly Indicate the Direction of Flow</td>
<td>98</td>
</tr>
<tr>
<td>2B-20</td>
<td>Roundabout Signs and Plaques</td>
<td>99</td>
</tr>
<tr>
<td>2B-21</td>
<td>Example of Regulatory and Warning Signs for a Mini-Roundabout</td>
<td>100</td>
</tr>
<tr>
<td>2B-22</td>
<td>Example of Regulatory and Warning Signs for a One-Lane Roundabout</td>
<td>101</td>
</tr>
<tr>
<td>2B-23</td>
<td>Examples of Regulatory and Warning Signs for a Two-Lane Roundabout with Consecutive Double Lefts</td>
<td>102</td>
</tr>
<tr>
<td>2B-24</td>
<td>Parking and Standing Signs and Plaques (R7 Series)</td>
<td>103</td>
</tr>
<tr>
<td>2B-25</td>
<td>Parking and Stopping Signs and Plaques (R8 Series)</td>
<td>104</td>
</tr>
<tr>
<td>2B-26</td>
<td>Pedestrian Signs and Plaques</td>
<td>105</td>
</tr>
<tr>
<td>2B-27</td>
<td>Traffic Signal Signs and Plaques</td>
<td>106</td>
</tr>
<tr>
<td>2B-28</td>
<td>Ramp Metering Signs</td>
<td>107</td>
</tr>
<tr>
<td>2B-29</td>
<td>Road Closed and Weight Limit Signs</td>
<td>108</td>
</tr>
<tr>
<td>2B-30</td>
<td>Truck Signs</td>
<td>109</td>
</tr>
<tr>
<td>2B-31</td>
<td>Headlight Use Signs</td>
<td>110</td>
</tr>
<tr>
<td>2B-32</td>
<td>Other Regulatory Signs</td>
<td>111</td>
</tr>
<tr>
<td>2C-1</td>
<td>Horizontal Alignment Signs and Plaques</td>
<td>112</td>
</tr>
<tr>
<td>2C-2</td>
<td>Example of Warning Signs for a Turn</td>
<td>113</td>
</tr>
<tr>
<td>2C-3</td>
<td>Example of Advisory Speed Signing for an Exit Ramp</td>
<td>114</td>
</tr>
<tr>
<td>2C-4</td>
<td>Vertical Grade Signs and Plaques</td>
<td>115</td>
</tr>
<tr>
<td>2C-5</td>
<td>Miscellaneous Warning Signs</td>
<td>116</td>
</tr>
<tr>
<td>2C-6</td>
<td>Roadway and Weather Condition and Advance Traffic Control Signs and Plaques</td>
<td>117</td>
</tr>
<tr>
<td>2C-7</td>
<td>Reduced Speed Limit Ahead Signs</td>
<td>118</td>
</tr>
<tr>
<td>2C-8</td>
<td>Merging and Passing Signs and Plaques</td>
<td>119</td>
</tr>
<tr>
<td>2C-9</td>
<td>Intersection Warning Signs and Plaques</td>
<td>120</td>
</tr>
<tr>
<td>2C-10</td>
<td>Vehicular Traffic Warning Signs and Plaques</td>
<td>121</td>
</tr>
<tr>
<td>2C-11</td>
<td>Non-Vehicular Warning Signs</td>
<td>122</td>
</tr>
<tr>
<td>2C-12</td>
<td>Supplemental Warning Plaques</td>
<td>123</td>
</tr>
<tr>
<td>2C-13</td>
<td>Object Markers</td>
<td>124</td>
</tr>
<tr>
<td>2D-1</td>
<td>Examples of Color-Coded Destination Guide Signs</td>
<td>125</td>
</tr>
<tr>
<td>2D-2</td>
<td>Arrows for Use on Guide Signs</td>
<td>126</td>
</tr>
<tr>
<td>2D-3</td>
<td>Route Signs</td>
<td>127</td>
</tr>
<tr>
<td>2D-4</td>
<td>Route Sign Auxiliaries</td>
<td>128</td>
</tr>
<tr>
<td>2D-5</td>
<td>Advance Turn and directional Arrow Auxiliary Signs</td>
<td>129</td>
</tr>
<tr>
<td>2D-6</td>
<td>Illustration of Directional Assemblies and Other Route Signs (for One Direction of Travel Only)</td>
<td>130</td>
</tr>
<tr>
<td>2D-7</td>
<td>Destination and Distance Signs</td>
<td>131</td>
</tr>
<tr>
<td>2D-8</td>
<td>Destination Signs for Roundabouts</td>
<td>132</td>
</tr>
<tr>
<td>2D-9</td>
<td>Examples of Guide Signs for Roundabouts</td>
<td>133</td>
</tr>
<tr>
<td>2D-10</td>
<td>Street Name and Parking Signs</td>
<td>134</td>
</tr>
<tr>
<td>2D-11</td>
<td>Example of Interchange Crossroad Signing for a One-Lane Approach</td>
<td>135</td>
</tr>
<tr>
<td>2D-12</td>
<td>Example of Minor Interchange Crossroad Signing</td>
<td>136</td>
</tr>
<tr>
<td>2D-13</td>
<td>Examples of Multi-Lane Crossroad Signing for a Diamond Interchange</td>
<td>137</td>
</tr>
<tr>
<td>2D-14</td>
<td>Examples of Multi-Lane Crossroad Signing for a Partial Cloverleaf Interchange</td>
<td>138</td>
</tr>
<tr>
<td>2D-15</td>
<td>Examples of Multi-Lane Crossroad signing for a Cloverleaf Interchange</td>
<td>139</td>
</tr>
</tbody>
</table>

January 13, 2012

Table of Contents
Figure 2D-16. Example of Crossroad Signing for an Entrance Ramp with a nearby Frontage Road ..... 193
Figure 2D-17. Example of Weigh Station Signing ................................................................. 196
Figure 2D-18. Examples of community Wayfinding Guide Signs ........................................ 197
Figure 2D-19. Example of a Community Wayfinding Guide Sign System Showing Direction from a Freeway Expressway ................................................................. 198
Figure 2D-20. Example of a Color-Coded Community Wayfinding Guide Sign System ........... 199
Figure 2D-21. Crossover, Truck Lane, and slow Vehicle Signs ............................................. 203
Figure 2D-22. Examples of Use of the National Scenic Byways Sign ..................................... 204
Figure 2D-23. Ohio Byway Signs ............................................................................................ 205
Figure 2E-1. Example of Guide Sign Spreading ...................................................................... 210
Figure 2E-2. Pull-Through Signs ............................................................................................. 211
Figure 2E-3. Overhead Arrow-per-Lane Guide Sign for a Multi-Lane Exit with an Option Lane .... 218
Figure 2E-4. Overhead Arrow-per-Lane Guide Signs for a Two-Lane Exit to the Right with an Option Lane ................................................................. 219
Figure 2E-5. Overhead Arrow-per-Lane Guide Signs for a Two-Lane Exit to the Right with an Option Lane (Through Lanes Curve to the Left) .................................................. 220
Figure 2E-6. Overhead Arrow-per-Lane Guide Signs for a Split with an Option Lane .............. 221
Figure 2E-7. Diagrammatic Guide Sign for a Multi-Lane Exit with an Option Lane .................. 223
Figure 2E-8. Diagrammatic Guide Signs for a Two-Lane Exit to the Right with an Optional Lane ................................................................. 224
Figure 2E-9. Diagrammatic Guide Signs for a Two-Lane Exit to the Right with an Optional Lane (Through Lanes Curve to the Left) .................................................. 225
Figure 2E-10. Diagrammatic Guide Signs for a Split with an Option Lane ................................. 226
Figure 2E-11. Example of Signing for a Two-Lane Intermediate or Minor Interchange Exit with an Option Lane and a Dropped Lane ................................................................. 228
Figure 2E-12. Example of Signing for a Two-Lane Intermediate or Minor Interchange Exit with Option and Auxiliary Lanes ................................................................. 229
Figure 2E-13. EXIT ONLY and LEFT Sign Panels ................................................................... 230
Figure 2E-14. Guide Signs for a Split with Dedicated Lanes ..................................................... 231
Figure 2E-15. Guide Signs for a Single-Lane Exit to the Left with a Dropped lane .................. 232
Figure 2E-16. Guide Signs for a Single-Lane Exit to the Right with a Dropped Lane ............... 233
Figure 2E-17. Interstate, Off-Interstate and U.S. Route Signs ................................................. 235
Figure 2E-18. Eisenhower Interstate System Sign .................................................................. 236
Figure 2E-19. Example of Interchange Numbering for Mainline and Circumferential Routes .... 238
Figure 2E-20. Example of Interchange Numbering for Mainline, Loop, and Spur Routes ......... 239
Figure 2E-21. Example of Interchange Numbering for Overlapping Routes ......................... 240
Figure 2E-22. Examples of Interchange Advance Guide Signs, Exit Number Plaques, and LEFT Plaque ...................................................................................................................... 243
Figure 2E-23. Next Exit Plaques .............................................................................................. 244
Figure 2E-24. Supplemental Guide Signs for a Multi-Exit Interchange ..................................... 245
Figure 2E-25. Supplemental Guide sign for a Park-Ride Facility ............................................. 245
Figure 2E-26. Example of Interchange Exit Direction Signs .................................................... 246
Figure 2E-27. Interchange Exit Direction Sign with an Advisory Speed Panel ......................... 248
Figure 2E-28. Exit Gore Signs ................................................................................................ 248
Figure 2E-29. Post-Interchange Distance Sign ....................................................................... 249
Figure 2E-30. Example of Using an Interchange Sequence Sign for Closely-Spaced Interchanges ...................................................................................................................... 251
Figure 2E-31. Interchange Sequence Sign .............................................................................. 252
Figure 2E-32. Community Interchanges Identification Sign .................................................... 252
Figure 2E-33. NEXT EXITS Sign ............................................................................................ 252
Figure 2E-34. Examples of Guide Signs for a Freeway-to-Freeway Interchange ....................... 254
Figure 2E-35. Examples of Guide Signs for Full Cloverleaf Interchange ................................... 256
Figure 2E-36. Examples of Guide Signs for Full Cloverleaf Interchange with Collector-Distributor Roadways ........................................................................................................ 257
Figure 2E-37. Examples of Guide Signs for a Partial Cloverleaf Interchange .............................. 258
Figure 2E-38. Examples of Guide Signs for a Diamond Interchange ........................................ 260
Figure 2E-39. Examples of Guide Signs for a Diamond Interchange in an Urban Area ................. 262
Figure 2E-40. Examples of Guide Signs for a Minor Interchange ........................................... 263
Figure 2F-1. Examples of ETC Account Pictographs and Use of Purple Backgrounds and Underlay Panels ..................................................................................................................... 267
Figure 2F-2. Toll Plaza Regulatory Signs and Plaques ............................................................. 268
Figure 2F-3. Toll Plaza Warning Signs and Plaques ................................................................. 270
Figure 2F-4. ETC Account-Only Auxiliary Signs for Use in Route Sign Assemblies .................. 271
Figure 2F-5. Examples of Guide Signs for Entrances to Toll Highways or Ramps ...................... 274
Figure 2F-6. Examples of Guide Signs for the Entrance to a Toll Highway on which Tolls are Collected Electronically Only ................................................................. 275
Figure 2F-7. Examples of Guide Signs for Alternative Toll and Non-Toll Ramp Connections to a Non-Toll Highway ................................................................. 276
Figure 2F-8. Examples of Conventional Toll Plaza Advance Signs ......................................... 277
Figure 2F-9. Examples of Toll Plaza Canopy Signs ................................................................. 277
Figure 2F-10. Examples of a Mainline Toll Plaza Approach and Canopy Signing ....................... 280
Figure 2F-11. Examples of Guide Signs for a Mainline Toll Plaza on a Diverging Alignment from Open-Road ETC Lanes .................................................................................. 281
Figure 2G-1. Preferential Lane Regulatory Signs and Plaques ............................................... 287
Figure 2G-2. Example of Signing for an Added Continuous-Access Contiguous or Buffer-Separated HOV Lane ................................................................. 292
Figure 2G-3. Example of Signing for a General-Purpose Lane that Becomes a Continuous or Buffer-Separated HOV Lane ................................................................. 293
Figure 2G-4. Examples of Warning Signs and Plaques Applicable Only to Preferential Lanes .... 296
Figure 2G-5. Example of an Overhead Advance Guide Sign for a Preferential Lane Entrance .... 299
Figure 2G-6. Examples of Overhead or Post-Mounted Preferential Lane Entrance Direction Signs .................................................................................................................. 299
Figure 2G-7. Entrance Gore Signs for Barrier-Separated Preferential Lanes ............................ 300
Figure 2G-8. Example of Signing for an Entrance to Access-Restricted HOV Lanes ................. 301
Figure 2G-9. Example of Signing for an Intermediate Entry to a Barrier- or Buffer-Separated HOV Lane ........................................................................................................ 303
Figure 2G-10. Example of Signing for the Intermediate Entry to, Egress from, and End of Access-Restricted HOV Lanes .................................................................................. 304
Figure 2G-11. Examples of Barrier-Mounted Guide Signs for an Intermediate Egress from Preferential Lanes .................................................................................................................. 305
Figure 2G-12. Examples of Signs for an Intermediate Egress from a Barrier- or Buffer-Separated HOV Lane ........................................................................................................ 306
Figure 2G-13. Example of Signing for a Direct Entrance Ramp to an HOV Lane from a Park - Ride Facility and a Local Street .................................................................................. 307
Figure 2G-14. Exit Gore Sign for a Direct Exit from a Preferential Lane .................................... 308
Figure 2G-15. Examples of Guide Signs for Direct HOV Lane Entrance and Exit Ramps ......... 309
Figure 2G-16. Examples of Guide Signs for a Direct Access Ramp between HOV Lanes on Separate Freeways ........................................................................................................ 310
Figure 2G-17. Regulatory Signs for Managed Lanes ................................................................. 312
Figure 2G-18. Examples of Guide Signs for Entrances to Priced Managed Lanes ...................... 313
Figure 2G-19. Example of an Exit Destination Sign for a Managed Lane .................................. 314
Figure 2G-20. Example of a Comparative Travel Time Information Sign for Preferential or Managed Lanes ........................................................................................................ 315
Figure 2G-21. Example of Signing for the Entrance to an Access-Restricted Priced Managed Lane .......................................................................................................................... 316
Figure 2G-22. Example of Signing for the Entrance to an Access-Restricted Priced Managed Lane Where a General-Purpose Lane Becomes the Managed Lane ........................................ 317

January 13, 2012
Table of Contents
### Table of Contents

- **Figure 2G-24.** Example of Signing for the Intermediate Entry to, Egress from, and End of Access-Restricted Priced Managed Lane .......................................................... 318
- **Figure 2G-25.** Example of Guide Signs for an Intermediate Egress from a Barrier- or Buffer-Separated Managed Lane ........................................................................... 319
- **Figure 2G-26.** Examples of Guide Signs for Direct Managed Lane Entrance and Exit Ramps .............................................................................................................. 320
- **Figure 2G-27.** Examples of Guide Signs for a Direct Access Ramp between Managed Lanes on Separate Freeways ........................................................................... 321
- **Figure 2G-28.** Examples of Guide Signs for a Direct Entrance Ramp to a Priced Managed Lane and Trailblazing to a Nearby Entrance to the General-Purpose Lanes 322
- **Figure 2G-29.** Example of Guide Signs for Separate Entrance Ramps to General-Purpose and Priced Managed Lanes from the Same Crossroad .................................................................. 323
- **Figure 2H-1.** General Information and Miscellaneous Information Signs ................................................................................................................................. 324
- **Figure 2H-2.** Reference Location Signs .......................................................................................................................... 325
- **Figure 2H-3.** Intermediate Reference Location Signs ................................................................................................................ 326
- **Figure 2H-4.** Enhanced Reference Location Signs ........................................................................................................ 327
- **Figure 2H-5.** Examples of Acknowledgement Sign Designs .......................................................................................... 328
- **Figure 2I-1.** General Service Signs and Plaques ................................................................................................................ 329
- **Figure 2I-2.** Example of Next Services Plaque ................................................................................................................ 330
- **Figure 2I-3.** Examples of General Service Signs with and without Exit Numbering ................................................................. 331
- **Figure 2I-4.** Examples of Interstate Oasis Signs and Plaques .......................................................................................... 332
- **Figure 2I-5.** Rest Area and Other Roadside Area Signs ........................................................................................................ 333
- **Figure 2I-6.** Brake Check Area and Chain-Up Area Signs ........................................................................................................ 334
- **Figure 2I-7.** Examples of Tourist Information and Welcome Center Signs ................................................................................ 335
- **Figure 2I-8.** Radio, Telephone, and Carpool Information Signs .......................................................................................... 336
- **Figure 2I-9.** Examples of Specific Service Signs ........................................................................................................ 337
- **Figure 2I-10.** Examples of Specific Service Sign Locations .......................................................................................... 338
- **Figure 2I-11.** Examples of Supplemental Messages on Logo Sign Panels ........................................................................ 339
- **Figure 2I-12.** Examples of RV Access Supplemental Messages on Logo Sign Panels ................................................................. 340
- **Figure 2I-13.** Examples of Specific Service Trailblazer Signs .......................................................................................... 341
- **Figure 2K-1.** Examples of Tourist-Oriented Directional Signs .......................................................................................... 342
- **Figure 2K-2.** Examples of Intersection Approach Signs and Advance Signs for Tourist-Oriented Directional Signs ........................................................................ 343
- **Figure 2M-1.** Examples of Use of Arrows, Educational Plaques, and Prohibitive Slashes ................................................................................ 344
- **Figure 2M-2.** Examples of General Directional Guide Signs for Conventional Roads ........................................................................ 345
- **Figure 2M-3.** Arrangement, Height, and Lateral Position of Signs Located Within Recreational and Cultural Interest Areas ...................................................................... 346
- **Figure 2M-4.** Examples of Symbol and Destination Guide Signing Layout ........................................................................ 347
- **Figure 2M-5.** Recreational and Cultural Interest Area Symbol Signs for General Applications .................................................. 348
- **Figure 2M-6.** Recreational and Cultural Interest Area Symbol Signs for Accommodations ......................................................... 349
- **Figure 2M-7.** Recreational and Cultural Interest Area Symbol Signs for Services ........................................................................ 350
- **Figure 2M-8.** Recreational and Cultural Interest Area Symbol Signs for Land Recreation ................................................................. 351
- **Figure 2M-9.** Recreational and Cultural Interest Area Symbol Signs for Water Recreation ................................................................. 352
- **Figure 2M-10.** Recreational and Cultural Interest Area Symbol Signs for Winter Recreation ........................................................................ 353
- **Figure 3B-1.** Examples of Two-Lane, Two-Way Marking Applications ................................................................................ 354
- **Figure 3B-2.** Examples of Four-or-More Lane, Two-Way Marking Applications ........................................................................ 355
- **Figure 3B-3.** Examples of Three-Lane, Two-Way Marking Applications ........................................................................ 356
- **Figure 3B-4.** Method of Locating and Determining the Limits of No-Passing Zones at Curves ........................................................................ 357
- **Figure 3B-5.** Example of Three-Lane, Two-Way Marking for Changing Direction of the Center Lane ................................................................................ 358
- **Figure 3B-6.** Example of Reversible Lane Marking Application .......................................................................................... 359
- **Figure 3B-7.** Example of Two-Way Left-Turn Lane Marking Applications ........................................................................ 360
- **Figure 3B-8.** Examples of Dotted Line and Channelizing Line Applications for Exit Ramp Markings ........................................................................ 361

January 13, 2012
<table>
<thead>
<tr>
<th>Figure</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Figure 3B-9.</td>
<td>Examples of Dotted Line and Channelizing Line Applications for Entrance Ramp Markings ................................................. 405</td>
</tr>
<tr>
<td>Figure 3B-10.</td>
<td>Examples of Applications of Freeway and Expressway Lane Drop Markings ............................................................... 408</td>
</tr>
<tr>
<td>Figure 3B-11.</td>
<td>Examples of Applications of Conventional Road Lane-Drop Markings ................................................................. 413</td>
</tr>
<tr>
<td>Figure 3B-12.</td>
<td>Example of Solid Double White Lines Used to Prohibit Lane Changing ........................................................................ 415</td>
</tr>
<tr>
<td>Figure 3B-13.</td>
<td>Examples of Line Extensions through Intersections .................................................................................................. 418</td>
</tr>
<tr>
<td>Figure 3B-14.</td>
<td>Examples of Applications of Lane-Reduction Transition Markings ................................................................................ 420</td>
</tr>
<tr>
<td>Figure 3B-15.</td>
<td>Examples of Applications of Markings for Obstructions in the Roadway ........................................................................ 422</td>
</tr>
<tr>
<td>Figure 3B-16.</td>
<td>Recommended Yield Line Layouts .................................................................................................................................. 428</td>
</tr>
<tr>
<td>Figure 3B-17.</td>
<td>Examples of Yield Lines at Unsignalized Midblock Crosswalks .................................................................................. 429</td>
</tr>
<tr>
<td>Figure 3B-18.</td>
<td>Do Not Block Intersection Markings .................................................................................................................................. 430</td>
</tr>
<tr>
<td>Figure 3B-19.</td>
<td>Examples of Crosswalk Markings .................................................................................................................................. 420</td>
</tr>
<tr>
<td>Figure 3B-20.</td>
<td>Example of Crosswalk Markings for an Exclusive Pedestrian Phase that Permits Diagonal Crossing ........................................ 432</td>
</tr>
<tr>
<td>Figure 3B-21.</td>
<td>Examples of Parking Space Markings .................................................................................................................................. 433</td>
</tr>
<tr>
<td>Figure 3B-22.</td>
<td>International Symbol of Accessibility Parking Space Marking ........................................................................................ 434</td>
</tr>
<tr>
<td>Figure 3B-23.</td>
<td>Example of Elongated Letters for Word Pavement Markings .......................................................................................... 435</td>
</tr>
<tr>
<td>Figure 3B-24.</td>
<td>Examples of Standard Arrows for Pavement Markings ...................................................................................................... 436</td>
</tr>
<tr>
<td>Figure 3B-25.</td>
<td>Examples of Elongated Route Shields for Pavement Markings ...................................................................................... 437</td>
</tr>
<tr>
<td>Figure 3B-26.</td>
<td>Yield Ahead Triangle Symbols .............................................................................................................................................. 438</td>
</tr>
<tr>
<td>Figure 3B-27.</td>
<td>Examples of Lane-Use Control Word and Symbol Markings .......................................................................................... 439</td>
</tr>
<tr>
<td>Figure 3B-28.</td>
<td>Example of the Application of Speed Reduction Markings ............................................................................................... 441</td>
</tr>
<tr>
<td>Figure 3B-29.</td>
<td>Pavement Markings for Speed Humps without Crosswalks ............................................................................................... 443</td>
</tr>
<tr>
<td>Figure 3B-30.</td>
<td>Pavement Markings for Speed Tables or Speed Humps with Crosswalks ............................................................................ 444</td>
</tr>
<tr>
<td>Figure 3B-31.</td>
<td>Advance Warning Markings for Speed Humps ....................................................................................................................... 445</td>
</tr>
<tr>
<td>Figure 3C-1.</td>
<td>Example of Markings for Approach and Circulatory Roadways at a Roundabout ............................................................... 447</td>
</tr>
<tr>
<td>Figure 3C-2.</td>
<td>Lane-Use Arrow Pavement Marking Options for Roundabout Approaches ........................................................................ 448</td>
</tr>
<tr>
<td>Figure 3C-3.</td>
<td>Example of Markings for a One-Lane Roundabout .............................................................................................................. 448</td>
</tr>
<tr>
<td>Figure 3C-4.</td>
<td>Example of Markings for a Two-Lane Roundabout with One- and Two-Lane Approaches .................................................... 449</td>
</tr>
<tr>
<td>Figure 3C-5.</td>
<td>Example of Markings for a Two-Lane Roundabout with One-Lane Exits ........................................................................ 451</td>
</tr>
<tr>
<td>Figure 3C-6.</td>
<td>Example of Markings for a Two-Lane Roundabout with Two-Lane Exits ........................................................................ 452</td>
</tr>
<tr>
<td>Figure 3C-7.</td>
<td>Example of Markings for a Two-Lane Roundabout with a Double Left Turn ...................................................................... 453</td>
</tr>
<tr>
<td>Figure 3C-8.</td>
<td>Example of Markings for a Two-Lane Roundabout with a Double Right Turn ..................................................................... 454</td>
</tr>
<tr>
<td>Figure 3C-9.</td>
<td>Example of Markings for a Two-Lane Roundabout with Consecutive Double Left Turns ........................................................ 455</td>
</tr>
<tr>
<td>Figure 3C-10.</td>
<td>Example of Markings for a Three-Lane Roundabout with Two- and Three-Lane Approaches ............................................................................ 456</td>
</tr>
<tr>
<td>Figure 3C-11.</td>
<td>Example of Markings for a Three-Lane Roundabout with Three-Lane Approaches ........................................................... 457</td>
</tr>
<tr>
<td>Figure 3C-12.</td>
<td>Example of Markings for a Three-Lane Roundabout with Two-Lane Exits ........................................................................ 458</td>
</tr>
<tr>
<td>Figure 3C-13.</td>
<td>Example of Markings for Two Linked Roundabouts ........................................................................................................... 459</td>
</tr>
<tr>
<td>Figure 3C-14.</td>
<td>Example of Markings for a Diamond Interchange with Two Circular-Shaped Roundabout Ramp Terminals ................................................................. 460</td>
</tr>
<tr>
<td>Figure 3D-1.</td>
<td>Markings for Barrier-Separated Preferential Lanes ................................................................................................................ 467</td>
</tr>
<tr>
<td>Figure 3D-2.</td>
<td>Markings for Buffer-Separated Preferential Lanes .................................................................................................................. 467</td>
</tr>
<tr>
<td>Figure 3D-3.</td>
<td>Markings for Contiguous Preferential Lanes .......................................................................................................................... 469</td>
</tr>
<tr>
<td>Figure 3D-4.</td>
<td>Markings for Counter-Flow Preferential Lanes on Divided Highways ................................................................................ 471</td>
</tr>
<tr>
<td>Figure 3F-1.</td>
<td>Examples of Delineator Placement ........................................................................................................................................ 476</td>
</tr>
<tr>
<td>Figure 3J-1.</td>
<td>Examples of Longitudinal Rumble Strip Markings ................................................................................................................ 485</td>
</tr>
<tr>
<td>Figure 4C-1.</td>
<td>Warrant 2, Four-Hour Vehicular Volume ................................................................................................................................. 497</td>
</tr>
<tr>
<td>Figure 4C-2.</td>
<td>Warrant 2, Four-Hour Vehicular Volume (70% Factor) ....................................................................................................... 497</td>
</tr>
<tr>
<td>Figure 4C-3.</td>
<td>Warrant 3, Peak Hour .............................................................................................................................................................. 498</td>
</tr>
<tr>
<td>Figure 4G-1.</td>
<td>Sequence for an Emergency-Vehicle Hybrid Beacon</td>
</tr>
<tr>
<td>Figure 4M-1.</td>
<td>Left-Turn Lane-Use Control Signals</td>
</tr>
<tr>
<td>Figure 5B-1.</td>
<td>Regulatory Signs on Low-volume Roads</td>
</tr>
<tr>
<td>Figure 5B-2.</td>
<td>Parking Signs and Plaques on Low-Volume Roads</td>
</tr>
<tr>
<td>Figure 5C-1.</td>
<td>Horizontal Alignment and Intersection Warning Signs and Plaques and Object Markers on Low-Volume Roads</td>
</tr>
<tr>
<td>Figure 5C-2.</td>
<td>Other Warning Signs and Plaques on Low-Volume Roads</td>
</tr>
<tr>
<td>Figure 5F-1.</td>
<td>Highway-Rail Grade Crossing Signs and Plaques for Low-Volume Roads</td>
</tr>
<tr>
<td>Figure 5G-1.</td>
<td>Temporary Traffic Control Signs and Plaques on Low-Volume Roads</td>
</tr>
<tr>
<td>Figure 6C-1.</td>
<td>Component Parts of a Temporary Traffic Control Zone</td>
</tr>
<tr>
<td>Figure 6C-2.</td>
<td>Types of Tapers and Buffer Spaces</td>
</tr>
<tr>
<td>Figure 6C-3.</td>
<td>Example of a One-Lane, Two-Way Traffic Taper</td>
</tr>
<tr>
<td>Figure 6E-1.</td>
<td>Example of the Use of a STOP/SLOW Automated Flagger Assistance Device (AFAD)</td>
</tr>
<tr>
<td>Figure 6E-2.</td>
<td>Example of the Use of a Red/Yellow Lens Automated Flagger Assistance Device (AFAD)</td>
</tr>
<tr>
<td>Figure 6F-1.</td>
<td>Height and Lateral Location of Signs - Typical Installations</td>
</tr>
<tr>
<td>Figure 6F-2.</td>
<td>Methods of Mounting Signs Other Than on Posts</td>
</tr>
<tr>
<td>Figure 6F-3.</td>
<td>Regulatory Signs in Temporary Traffic Control Zones</td>
</tr>
<tr>
<td>Figure 6F-4.</td>
<td>Warning Signs and Plaques in Temporary Traffic Control Zones</td>
</tr>
<tr>
<td>Figure 6F-5.</td>
<td>Exit Open and Closed and Detour Signs</td>
</tr>
<tr>
<td>Figure 6F-6.</td>
<td>Advance Warning Arrow Board Display Specifications</td>
</tr>
<tr>
<td>Figure 6F-7.</td>
<td>Channelizing Devices</td>
</tr>
<tr>
<td>Figure 6H-1.</td>
<td>Work Beyond the Shoulder (TA-1)</td>
</tr>
<tr>
<td>Figure 6H-2.</td>
<td>Blasting Zone (TA-2)</td>
</tr>
<tr>
<td>Figure 6H-3.</td>
<td>Work on the Shoulders (TA-3)</td>
</tr>
<tr>
<td>Figure 6H-4.</td>
<td>Short Duration or Mobile Operation on a Shoulder (TA-4)</td>
</tr>
<tr>
<td>Figure 6H-5.</td>
<td>Shoulder Closure on a Freeway (TA-5)</td>
</tr>
<tr>
<td>Figure 6H-6.</td>
<td>Shoulder Work with Minor Encroachment (TA-6)</td>
</tr>
<tr>
<td>Figure 6H-7.</td>
<td>Road Closure with a Diversion (TA-7)</td>
</tr>
<tr>
<td>Figure 6H-8.</td>
<td>Road Closure with an Off-Site Detour (TA-8)</td>
</tr>
<tr>
<td>Figure 6H-9.</td>
<td>Overlapping Routes with a Detour (TA-9)</td>
</tr>
<tr>
<td>Figure 6H-10.</td>
<td>Lane Closure on a Two-Lane Road Using Flaggers (TA-10)</td>
</tr>
<tr>
<td>Figure 6H-11.</td>
<td>Lane Closure on a Two-Lane Road with Low Traffic Volumes (TA-11)</td>
</tr>
<tr>
<td>Figure 6H-12.</td>
<td>Lane Closure on a Two-Lane Road Using Traffic Control Signals (TA-12)</td>
</tr>
<tr>
<td>Figure 6H-13.</td>
<td>Temporary Road Closure (TA-13)</td>
</tr>
<tr>
<td>Figure 6H-14.</td>
<td>Haul Road Crossing (TA-14)</td>
</tr>
<tr>
<td>Figure 6H-15.</td>
<td>Work in the Center of a Road with Low Traffic Volumes (TA-15)</td>
</tr>
<tr>
<td>Figure 6H-16.</td>
<td>Surveying Along the Center Line of a Road with Low Traffic Volumes (TA-16)</td>
</tr>
<tr>
<td>Figure 6H-17.</td>
<td>Mobile Operations on a Two-Lane Road (TA-17)</td>
</tr>
<tr>
<td>Figure 6H-18.</td>
<td>Lane Closure on a Minor Street (TA-18)</td>
</tr>
<tr>
<td>Figure 6H-19.</td>
<td>Detour for One Travel Direction (TA-19)</td>
</tr>
<tr>
<td>Figure 6H-20.</td>
<td>Detour for a Closed Street (TA-20)</td>
</tr>
<tr>
<td>Figure 6H-21.</td>
<td>Lane Closure on the Near Side of an Intersection (TA-21)</td>
</tr>
<tr>
<td>Figure 6H-22.</td>
<td>Right-Hand Lane Closure on the Far Side of an Intersection (TA-22)</td>
</tr>
<tr>
<td>Figure 6H-23.</td>
<td>Left Lane Closure on the Far Side of an Intersection (TA-23)</td>
</tr>
<tr>
<td>Figure 6H-24.</td>
<td>Half Road Closure on the Far Side of an Intersection (TA-24)</td>
</tr>
<tr>
<td>Figure 6H-25.</td>
<td>Multiple Lane Closures at an Intersection (TA-25)</td>
</tr>
<tr>
<td>Figure 6H-26.</td>
<td>Closure in the Center of an Intersection (TA-26)</td>
</tr>
<tr>
<td>Figure 6H-27.</td>
<td>Closure at the Side of an Intersection (TA-27)</td>
</tr>
<tr>
<td>Figure 6H-28.</td>
<td>Sidewalk Detour or Diversion (TA-28)</td>
</tr>
<tr>
<td>Figure 6H-29.</td>
<td>Crosswalk Closures and Pedestrian Detours (TA-29)</td>
</tr>
<tr>
<td>Figure</td>
<td>Title</td>
</tr>
<tr>
<td>--------</td>
<td>-----------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>6H-30</td>
<td>Interior Lane Closure on a Multi-lane Street (TA-30)</td>
</tr>
<tr>
<td>6H-31</td>
<td>Lane Closures on a Street with Uneven Directional Volumes (TA-31)</td>
</tr>
<tr>
<td>6H-32</td>
<td>Half Road Closure on a Multi-lane, High-Speed Highway (TA-32)</td>
</tr>
<tr>
<td>6H-33</td>
<td>Stationary Lane Closure on a Divided Highway (TA-33)</td>
</tr>
<tr>
<td>6H-34</td>
<td>Lane Closure with a Temporary Traffic Barrier (TA-34)</td>
</tr>
<tr>
<td>6H-35</td>
<td>Mobile Operation on a Multi-lane Road (TA-35)</td>
</tr>
<tr>
<td>6H-36</td>
<td>Lane Shift on a Freeway (TA-36)</td>
</tr>
<tr>
<td>6H-37</td>
<td>Double Lane Closure on a Freeway (TA-37)</td>
</tr>
<tr>
<td>6H-38</td>
<td>Interior Lane Closure on a Freeway (TA-38)</td>
</tr>
<tr>
<td>6H-39</td>
<td>Median Crossover on a Freeway (TA-39)</td>
</tr>
<tr>
<td>6H-40</td>
<td>Median Crossover for an Entrance Ramp (TA-40)</td>
</tr>
<tr>
<td>6H-41</td>
<td>Median Crossover for an Exit Ramp (TA-41)</td>
</tr>
<tr>
<td>6H-42</td>
<td>Work in Vicinity of Exit Ramp (TA-42)</td>
</tr>
<tr>
<td>6H-43</td>
<td>Partial Exit Ramp Closure (TA-43)</td>
</tr>
<tr>
<td>6H-44</td>
<td>Work in Vicinity of Entrance Ramp (TA-44)</td>
</tr>
<tr>
<td>6H-45</td>
<td>Temporary Reversible Lane Using Movable Barriers (TA-45)</td>
</tr>
<tr>
<td>6H-46</td>
<td>Work in Vicinity of Highway-Rail Grade-Crossing (TA-46)</td>
</tr>
<tr>
<td>6l-1</td>
<td>Examples of Traffic Incident Management Area Signs</td>
</tr>
<tr>
<td>7A-1</td>
<td>Example of School Route Plan Map</td>
</tr>
<tr>
<td>7B-1</td>
<td>School Area Signs</td>
</tr>
<tr>
<td>7B-2</td>
<td>Example of Signing for a Higher Fines School Zone</td>
</tr>
<tr>
<td>7B-3</td>
<td>Examples of Signing for a School Crossing Outside of a School Zone</td>
</tr>
<tr>
<td>7B-4</td>
<td>Example of Signing for a School Zone with a School Crossing</td>
</tr>
<tr>
<td>7B-5</td>
<td>In-Street Signs in School Areas</td>
</tr>
<tr>
<td>7C-1</td>
<td>Two-Lane Pavement Marking of “SCHOOL”</td>
</tr>
<tr>
<td>8B-1</td>
<td>Regulatory Signs and Plaques for Grade Crossings</td>
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<tr>
<td>8B-2</td>
<td>Crossbuck Assembly with a YIELD or STOP Sign on the Crossbuck Sign Support</td>
</tr>
<tr>
<td>8B-3</td>
<td>Crossbuck Assembly with a YIELD or STOP Sign on a Separate Sign Support</td>
</tr>
<tr>
<td>8B-4</td>
<td>Warning Signs and Plaques for Grade Crossings</td>
</tr>
<tr>
<td>8B-5</td>
<td>Example of an Emergency Notification Sign</td>
</tr>
<tr>
<td>8B-6</td>
<td>Example of Placement of Warning Signs and Pavement Markings at Highway-Rail Grade Crossings</td>
</tr>
<tr>
<td>8B-7</td>
<td>Grade Crossing Pavement Markings</td>
</tr>
<tr>
<td>8B-8</td>
<td>Example of Dynamic Envelope Pavement Markings at Grade Crossings</td>
</tr>
<tr>
<td>8B-9</td>
<td>Examples of Light Rail Transit Vehicle Dynamic Envelope Markings for Mixed-Use Alignments</td>
</tr>
<tr>
<td>8C-1</td>
<td>Composite Drawing of Active Traffic Control Devices for Grade Crossings Showing Clearances</td>
</tr>
<tr>
<td>8C-2</td>
<td>Example of Location Plan for Flashing-Light Signals and Four-Quadrant Gates</td>
</tr>
<tr>
<td>8C-3</td>
<td>Light Rail Transit Signals</td>
</tr>
<tr>
<td>8C-4</td>
<td>Example of Flashing-Light Signal Assembly for Pedestrian Crossings</td>
</tr>
<tr>
<td>8C-5</td>
<td>Example of a Shared Pedestrian/Roadway Gate</td>
</tr>
<tr>
<td>8C-6</td>
<td>Example of a Separate Pedestrian Gate</td>
</tr>
<tr>
<td>8C-7</td>
<td>Example of Placement of Pedestrian Gates</td>
</tr>
<tr>
<td>8C-8</td>
<td>Example of Swing Gates</td>
</tr>
<tr>
<td>8C-9</td>
<td>Example of Pedestrian Barriers at an Offset Grade Crossing</td>
</tr>
<tr>
<td>8C-10</td>
<td>Example of Pedestrian Barrier Installation at an Offset Non-Intersection</td>
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<tr>
<td>8D-1</td>
<td>Example of Signing and Markings for a Pathway Grade Crossing</td>
</tr>
<tr>
<td>9B-1</td>
<td>Sign Placement on Shared-Use Paths</td>
</tr>
<tr>
<td>9B-2</td>
<td>Regulatory Signs and Plaques for Bicycle Facilities</td>
</tr>
<tr>
<td>9B-3</td>
<td>Warning Signs and Plaques for Bicycle Facilities</td>
</tr>
<tr>
<td>9B-4</td>
<td>Guide Signs and Plaques for Bicycle Facilities</td>
</tr>
</tbody>
</table>
Figure 9B-5. Example of Signing for the Beginning and End of a Designated Bicycle Route on a Shared-Use Path
Figure 9B-6. Example of Bicycle Guide Signing
Figure 9B-7. Examples of Signing and Markings for a Shared-Use Path Crossing
Figure 9B-8. Example of Mode-Specific Guide Signing on a Shared-Use Path
Figure 9C-1. Example of Intersection Pavement Markings - Designated Bicycle Lane with Left-Turn Area, Heavy Turn Volumes, Parking, One-Way Traffic, or Divided Highway
Figure 9C-2. Examples of Center Line Markings for Shared-Use Paths
Figure 9C-3. Word, Symbol, and Arrow Pavement Markings for Bicycle Lanes
Figure 9C-4. Example of Bicycle Lane Treatment at a Right Turn Only Lane
Figure 9C-5. Example of Bicycle Lane Treatment at Parking Lane into a Right Turn
Figure 9C-6. Example of Pavement Markings for Bicycle Lanes on a Two-Way Street
Figure 9C-7. Bicycle Detector Pavement Marking
Figure 9C-8. Examples of Obstruction Pavement Markings
Figure 9C-9. Shared Lane Marking

TABLES
Table 1A-1. Acceptable Abbreviations
Table 1A-2. Abbreviations That Shall be Used Only on Portable Changeable Message Signs
Table 1A-3. Unacceptable Abbreviations
Table 2A-1. Illumination of Sign Elements
Table 2A-2. Retroreflection of Sign Elements
Table 2A-3. Minimum Maintained Retroreflectivity Levels
Table 2A-4. Use of Sign Shapes
Table 2A-5. Common Uses of Sign Colors
Table 2B-1. Regulatory Sign and Plaque Sizes
Table 2C-1. Categories of Warning Signs and Plaques
Table 2C-2. Warning Sign and Plaque Sizes
Table 2C-3. Minimum Size of Supplemental Warning Plaques
Table 2C-4. Guidelines for Advance Placement of Warning Signs
Table 2C-5. Horizontal Alignment Sign Selection
Table 2C-6. Typical Spacing of Chevron Alignment Signs on Horizontal Curves
Table 2D-1. Conventional Road Guide Sign Sizes
Table 2D-2. Recommended Minimum Letter Heights on Street Name Signs
Table 2E-1. Freeway or Expressway Guide Sign and Plaque Sizes
Table 2E-2. Signing Levels for Freeway and Expressway Guide Signs According to Interchange Classification
Table 2E-3. Minimum Element Sizes for Freeway and Expressway Guide Signs According to Signing Levels
Table 2F-1. Toll Road Sign and Plaque Minimum Sizes
Table 2G-1. Managed and Preferential Lanes Sign and Plaque Minimum Sizes
Table 2H-1. General Information Sign Sizes
Table 2I-1. General Service Sign and Plaque Sizes
Table 2J-1. Minimum Letter and Numerical Sizes for Specific Service Signs According to Sign Type
Table 2L-1. Example of Units of Information
Table 2M-1. Category Chart for Recreational and Cultural Interest Area Symbols
Table 3B-1. Minimum Passing Sight Distances for No-Passing Zone Markings
Table 3D-1. Standard Edge Line and Lane Line Markings for Preferential Lanes
Table 3F-1. Approximate Spacing for Delineators on Horizontal Curves
Table 4C-1. Warrant 1, Eight-Hour Vehicular Volume
Table 4C-2.  Warrant 9 Adjustment Factor for Daily Frequency of Rail Traffic .......................... 506
Table 4C-3.  Warrant 9, Adjustment Factor for Daily Frequency of Rail Traffic .......................... 507
Table 4C-4.  Warrant 9, Adjustment Factor for Percentage of Tractor-Trailer Trucks ..................... 507
Table 4D-1.  Recommended Minimum Number of Primary Signal Faces for Through Traffic
on Approaches with Posted, Statutory, or 85th-percentile Speed of 45 mph or
Higher .............................................................................................................. 522
Table 4D-2.  Minimum Sight Distance for Signal Visibility .......................................................... 523
Table 5A-1.  Sign and Plaque Sizes on Low-Volume Roads.......................................................... 603
Table 6C-1.  Recommended Advance Warning Sign Minimum Spacing ...................................... 632
Table 6C-2.  Stopping Sight Distance as a Function of Speed ...................................................... 633
Table 6C-3.  Taper Length Criteria for Temporary Traffic Control Zones ...................................... 635
Table 6C-4.  Formulas for Determining Taper Length ................................................................. 635
Table 6E-1.  Stopping Sight Distance as a Function of Speed ...................................................... 657
Table 6F-1.  Sizes of Temporary Traffic Control Signs ................................................................. 662
Table 6H-1.  Index to Typical Applications ................................................................................... 725
Table 6H-2.  Meaning of Symbols on Typical Application Diagrams .......................................... 726
Table 6H-3.  Meaning of Letter Codes on Typical Application Diagrams ....................................... 726
Table 6H-4.  Formulas for Determining Taper Lengths ............................................................... 727
Table 7B-1.  School Area Sign and Plaque Sizes ......................................................................... 829
Table 8B-1.  Sign Sizes for Grade Crossing Signs ......................................................................... 852
Table 9B-1.  Bicycle Facility Sign and Plaque Minimum Sizes ..................................................... 899
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.

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).

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.

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.

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.

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).

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, highways, bikeways and private roads open to public travel (see definition in Section 1A.13).
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 thereo, 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)].”

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

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:

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.
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<th>Edition</th>
<th>Name</th>
<th>Approval/Adopted</th>
<th>Effective Date</th>
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<tr>
<td>1924</td>
<td>Manual of Standard Signs and Marker</td>
<td></td>
<td>5/24</td>
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<td>1934</td>
<td>Manual of Standard Signs, Markers, and Pavement Marking</td>
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<td>7/34</td>
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<td>1943</td>
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<td>1943</td>
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<td>Vol. 53: pg 108; dated 2/5/68</td>
<td>3/29/68</td>
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<td>Vol. 57: pg 379; dated 4/13/72</td>
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<td>Vol. 58: pg 179; dated 3/5/73</td>
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<td>Vol. 59: pg 1078; dated 11/1/74</td>
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<td>Vol. 60: pg 311; dated 3/31/75</td>
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<td>The 1975 revisions were distributed together on 7/1/1975.</td>
<td>Vol. 60: pg 263; dated 3/13/75</td>
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<td>1972</td>
<td>Ohio Manual of Uniform Traffic Control Devices, Supplement (Part 7 reprint) (Using Journal Entry system to record Director’s “approval.”)</td>
<td>Vol. 61: pg 817; dated 8/11/76</td>
<td>9/1/76</td>
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<td>Vol. 62: pg 739; dated 6/27/77</td>
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<td>Vol. 62: pg 1081; dated 9/19/77</td>
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<td>Vol. 64: pg 642; dated 6/27/79</td>
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<td>Vol. 71: pg 1085; dated 11/14/86</td>
<td>2/1/87</td>
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<td>Vol. 75: pg 7; dated 5/22/90</td>
<td>7/9/90</td>
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<td>Vol. 76: pg 3; dated 10/1/91</td>
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<td>Vol. 77: pg 1; dated 7/7/92</td>
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<td>Vol. 80: pg 14; dated 6/22/95</td>
<td>8/14/95</td>
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<td>Vol. 81: pg 1; dated 9/10/96</td>
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<td>(Journal Entries no longer used. Transmittal letter constitutes the Director’s “approval.”)</td>
<td>Vol. 81: pg 1; dated 9/16/96</td>
<td>1/1/97</td>
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<td>Adopted by Director 4/5/99</td>
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<td>6/1/99</td>
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<td>Revision 2</td>
<td>December 23, 2009</td>
<td>1/15/10</td>
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<td>March 18, 2011</td>
<td>4/15/11</td>
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Table I-1. Evolution of the OMUTCD
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<th>Title</th>
<th>Date</th>
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<td>2012 Edition</td>
<td>January 13, 2012</td>
<td>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.</td>
<td>April 12, 2012</td>
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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/)

<table>
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<th>2009 MUTCD Section Number(s)</th>
<th>2009 MUTCD Section Title</th>
<th>Specific Provision</th>
<th>Compliance Date</th>
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<tr>
<td>2A.08</td>
<td>Minimum Retroreflectivity Levels</td>
<td>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.</td>
<td>January 22, 2012 (c)</td>
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<tr>
<td>2A.08</td>
<td>Minimum Retroreflectivity Levels</td>
<td>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.</td>
<td>January 22, 2015 (c)</td>
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<tr>
<td>2A.08</td>
<td>Minimum Retroreflectivity Levels</td>
<td>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.</td>
<td>January 22, 2018 (c)</td>
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<tr>
<td>2A.19</td>
<td>Lateral Offset</td>
<td>Crashworthiness of sign supports on roads with posted speed limit of 50 mph or higher</td>
<td>January 17, 2013 (a)</td>
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<td>2B.03</td>
<td>Size of Regulatory Signs</td>
<td>Increased sign sizes and other 2003 MUTCD revisions to Table 2B-1 (*)</td>
<td>December 22, 2013 (b)</td>
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<td>2B.09</td>
<td>YIELD Sign Applications</td>
<td>Changes in YIELD sign application criteria from the 1988 MUTCD to the 2003 MUTCD (*)</td>
<td>January 17, 2011 (a)</td>
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<td>2B.10</td>
<td>STOP Sign or YIELD Sign Placement</td>
<td>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) (*)</td>
<td>December 22, 2013 (b)</td>
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<td>2B.11</td>
<td>Yield Here To Pedestrians Signs and Stop Here For Pedestrians Signs (R1-5)</td>
<td>New Section 2B.11 in the 2003 MUTCD (*)</td>
<td>December 22, 2013 (b)</td>
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<td>Speed Limit Sign (R2-1)</td>
<td>Color of changeable message legend of YOUR SPEED legend</td>
<td>December 22, 2013 (b)</td>
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<td>2B.26</td>
<td>Reversible Lane Control Signs (R3-9c through R3-9i)</td>
<td>Removal of the R3-9c and R3-9e signs that had been included in the 2000 MUTCD (2003 MUTCD Section 2B.25)</td>
<td>December 22, 2013 (b)</td>
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<td>2B.40</td>
<td>ONE WAY Signs (R6-1, R6-2)</td>
<td>New requirement in the 2009 MUTCD for the number and locations of ONE WAY signs</td>
<td>December 31, 2019</td>
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<td>2C.04</td>
<td>Size of Warning Signs</td>
<td>New sizes in the 2003 MUTCD for the W1 Series arrow signs, the W12-2a low clearance signs, the W7 Series runway truck signs, and the W10-1 advance grade crossing sign (*)</td>
<td>December 22, 2013 (b)</td>
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<td>2C.06 thru 2C.14</td>
<td>Horizontal Alignment Warning Signs</td>
<td>Revised requirements in the 2009 MUTCD regarding the use of various horizontal alignment signs</td>
<td>December 31, 2019</td>
</tr>
<tr>
<td>2C.20</td>
<td>NARROW BRIDGE Sign (W5-2)</td>
<td>Elimination of symbol sign (2003 MUTCD Section 2C.16)</td>
<td>December 22, 2013 (b)</td>
</tr>
<tr>
<td>2C.38</td>
<td>Reduced Speed Limit Ahead Signs (W3-5, W3-5a, W3-5b)</td>
<td>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)</td>
<td>December 22, 2018 (b)</td>
</tr>
<tr>
<td>2C.41</td>
<td>Added Lane Signs (W4-3, W4-6)</td>
<td>New Entering Roadway Added Lane sign (W4-6) (2003 MUTCD Section 2C.32)</td>
<td>December 22, 2013 (b)</td>
</tr>
<tr>
<td>2C.42</td>
<td>Lane Ends Signs (W4-2, W9-1, W9-2)</td>
<td>New design of W4-2 sign (2003 MUTCD Section 2C.33)</td>
<td>December 22, 2013 (b)</td>
</tr>
<tr>
<td>2C.46</td>
<td>Intersection Warning Signs (W2-1 through W2-9)</td>
<td>New design of Circular Intersection (W2-6) sign (2003 MUTCD Section 2C.37)</td>
<td>December 22, 2013 (b)</td>
</tr>
</tbody>
</table>
### Table I-3. FHWA’s Target Compliance Dates for MUTCD Items

(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/.)

<table>
<thead>
<tr>
<th>2009 MUTCD Section Number(s)</th>
<th>2009 MUTCD Section Title</th>
<th>Specific Provision</th>
<th>Compliance Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>2C.50</td>
<td>Non-Vehicular Warning Signs</td>
<td>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 2G.41)</td>
<td>January 17, 2011 (a/b)</td>
</tr>
<tr>
<td>2C.61</td>
<td>PHOTO ENFORCED Plaque (W16-10P)</td>
<td>New plaque (2003 MUTCD Section 2C.53) (*)</td>
<td>December 22, 2013 (b)</td>
</tr>
<tr>
<td>2C.63</td>
<td>Object Marker Design and Placement Height</td>
<td>Width of stripes on Type 3 striped marker (2003 MUTCD Section 3C.01)</td>
<td>December 22, 2013 (b)</td>
</tr>
<tr>
<td>2D.43</td>
<td>Street Name Signs (D3-1 or D3-1a)</td>
<td>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)</td>
<td>January 9, 2012 (a)</td>
</tr>
<tr>
<td>2D.43</td>
<td>Street Name Signs (D3-1 or D3-1a)</td>
<td>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)</td>
<td>December 22, 2018 (b)</td>
</tr>
<tr>
<td>2D.44</td>
<td>Advance Street Name Signs (D3-2)</td>
<td>Requirements of new Section 2D.39 in the 2003 MUTCD</td>
<td>December 22, 2018 (b)</td>
</tr>
<tr>
<td>2D.45</td>
<td>Signing on Conventional Roads on Approaches to Interchanges</td>
<td>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</td>
<td>31-Dec-19</td>
</tr>
<tr>
<td>2E.31, 2E.33, and 2E.36</td>
<td>Plaques for Left-Hand Exits</td>
<td>New requirement in the 2009 MUTCD to use E1-5aP and E1-5bP plaques for left-hand exits</td>
<td>31-Dec-14</td>
</tr>
<tr>
<td>2G.11 through 2G.15</td>
<td>Regulatory Signs for Preferential Lanes</td>
<td>Requirements for regulatory signs for preferential lanes (2003 MUTCD Sections 2B.26 through 2B.28) (*)</td>
<td>December 22, 2013 (b)</td>
</tr>
<tr>
<td>2G.11 through 2G.15</td>
<td>Preferential Lane Guide Signs</td>
<td>New Section 2E.59 in the 2003 MUTCD (*)</td>
<td>December 22, 2013 (b)</td>
</tr>
<tr>
<td>2H.02, 2H.03</td>
<td>Reference Location Signs, Intermediate Reference Location Signs, and Enhanced Reference Location Signs</td>
<td>Location and spacing of Reference Location signs and design of Intermediate Reference Location signs (2003 MUTCD Sections 2D.46 and 2E.54)</td>
<td>December 22, 2013 (b)</td>
</tr>
<tr>
<td>2I.05</td>
<td>Size of Lettering Signs</td>
<td>Minimum height of letters and numerals on specific service signs (2000 MUTCD Section 2F.05)</td>
<td>January 17, 2011 (a)</td>
</tr>
<tr>
<td>2N.03</td>
<td>Evacuation Route Signs (EM-1 and EM-1a)</td>
<td>New design and size of EM-1 sign (2003 MUTCD Section 2L.03)</td>
<td>December 22, 2018 (b)</td>
</tr>
<tr>
<td>3B.04, 3B.05</td>
<td>White Longitudinal Pavement Markings</td>
<td>New requirement in the 2009 MUTCD for dotted lane lines for dropped lanes and for acceleration, deceleration, and auxiliary lanes</td>
<td>December 31, 2016 or resurfacing, whichever occurs first</td>
</tr>
<tr>
<td>3B.18</td>
<td>Crosswalk Markings</td>
<td>Gap between transverse lines of a crosswalk (2003 MUTCD Section 3B.17)</td>
<td>December 22, 2013 (b)</td>
</tr>
<tr>
<td>4D.01</td>
<td>General</td>
<td>Location of signalized midblock crosswalks</td>
<td>December 22, 2013 (b)</td>
</tr>
<tr>
<td>4D.26</td>
<td>Yellow Change and Red Clearance Intervals</td>
<td>New requirement in the 2009 MUTCD that durations of yellow change and red clearance intervals shall be determined using engineering practices</td>
<td>December 31, 2014, or when timing adjustments are made to the individual intersection and/or corridor, whichever occurs first</td>
</tr>
<tr>
<td>4D.31</td>
<td>Flashing Operation—Transition Out of Flashing Mode</td>
<td>Duration of steady red clearance interval in change from red-red flashing mode to steady (stop-and-go) mode (2003 MUTCD Section 4D.12)</td>
<td>December 22, 2013 (b)</td>
</tr>
<tr>
<td>4E.06</td>
<td>Pedestrian Intervals and Signal Phases</td>
<td>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</td>
<td>December 31, 2014, or when timing adjustments are made to the individual intersection and/or corridor, whichever occurs first</td>
</tr>
<tr>
<td>4E.07</td>
<td>Countdown Pedestrian Signals</td>
<td>Pedestrian countdown hardware requirements</td>
<td>December 22, 2013 (b)</td>
</tr>
</tbody>
</table>
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.)

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>5C.05</td>
<td>NARROW BRIDGE Sign (W5-2)</td>
<td>Elimination of symbol sign</td>
<td>December 22, 2013 (b)</td>
</tr>
<tr>
<td>6D.03</td>
<td>Worker Safety Considerations</td>
<td>New requirement in the 2009 MUTCD that all workers within the right-of-way shall wear high-visibility apparel</td>
<td>December 31, 2011</td>
</tr>
<tr>
<td>6E.02</td>
<td>High-Visibility Safety Apparel</td>
<td>New requirement in the 2009 MUTCD that all flaggers within the right-of-way shall wear high-visibility apparel</td>
<td>December 31, 2011</td>
</tr>
<tr>
<td>7B.11</td>
<td>School Advance Crossing Assembly</td>
<td>Use of AHEAD (W16-9P) plaque or distance plaque (W16-2P or W16-2aP) (2000 MUTCD Section 7B.08)</td>
<td>January 17, 2011 (a)</td>
</tr>
<tr>
<td>7B.12</td>
<td>School Crossing Assembly</td>
<td>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)</td>
<td>January 17, 2011 (a)</td>
</tr>
<tr>
<td>7B.16</td>
<td>Reduced School Speed Limit Ahead Sign (S4-5, S4-5a)</td>
<td>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)</td>
<td>December 22, 2018 (b)</td>
</tr>
<tr>
<td>7D.04</td>
<td>Uniform of Adult Crossing Guards</td>
<td>New requirement in the 2009 MUTCD for high-visibility apparel for adult crossing guards</td>
<td>December 31, 2011</td>
</tr>
<tr>
<td>8B.03</td>
<td>Grade Crossing (Crossbuck) Sign (R15-1) and Number of Tracks Plaque (R15-2P) at Active and Passive Grade Crossings</td>
<td>Retroreflective strip on crossbuck support (2000 MUTCD Section 8B.02) (*)</td>
<td>January 17, 2011 (a)</td>
</tr>
<tr>
<td>8B.04</td>
<td>Crossbuck Assemblies with YIELD or STOP Signs at Passive Grade Crossings</td>
<td>New requirement in the 2009 MUTCD for the use of STOP or YIELD signs with Crossbuck signs at passive grade crossings</td>
<td>December 31, 2019</td>
</tr>
<tr>
<td>8B.19 and 8C.02 through 8C.05</td>
<td>LRT Approaching-Activated Blank-Out Warning Sign, Flashing Light Signals, and Automatic Gates</td>
<td>Automatic gates, flashing-light signals, and blank-out signs at highway-LRT crossings per Part 10 of the 2000 MUTCD (*)</td>
<td>January 17, 2011 (a)</td>
</tr>
<tr>
<td>8C.09</td>
<td>Traffic Control Signals at or Near Highway-Rail Grade Crossings</td>
<td>Pre-signals (2003 MUTCD Section 8D.07)</td>
<td>December 22, 2013 (b)</td>
</tr>
<tr>
<td>8C.12</td>
<td>Grade Crossings Within or In Close Proximity to Circular Intersections</td>
<td>New requirement in the 2009 MUTCD for study of grade crossings near roundabouts</td>
<td>December 31, 2014</td>
</tr>
<tr>
<td>9B.18</td>
<td>Bicycle Warning and Combined Bicycle / Pedestrian Signs (W11-1 and W11-15)</td>
<td>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)</td>
<td>January 17, 2011 (a)</td>
</tr>
</tbody>
</table>

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.