

2011 MMUTCD Changes to 2009 Federal MUTCD			
12/1/2011			
	Page	Paragraph	
Part	Number	Number	Change
Cover	N/A	N/A	Revised to include MDOT, MSP and FHWA logo. Below title add "2011 Michigan MUTCD 2009 Federal Edition".

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	Page	Page	Paragraph	
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	i	i		At the end of the first paragraph add "The Federal MUTCD can be downloaded at http://mutcd.fhwa.dot.gov/ ."

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	Page	Page	Paragraph	
Part	Number	Number	Number	Change
All	N/A	N/A	N/A	Place Michigan symbol in margins next to all revisions, deletions, and additions
All	N/A	N/A	N/A	The designation "(MI)" after page numbers identifies pages with changes applicable to Michigan and pages with altered page numbering
All	N/A	N/A	N/A	Use another color to identify text changed for the Michigan MUTCD
All	N/A	N/A	N/A	Use another color for section titles in the Table of Contents and the main text to identify new sections added to the MMUTCD
All	N/A	N/A	N/A	Use lettering (a, b, c...) following pages numbers for new and relocated pages in the MMUTCD
All	N/A	N/A	N/A	"Traffic Regulator" replaces "Flagger"
All	N/A	N/A	N/A	"Traffic Regulating" replaces "Flagging"
All	N/A	N/A	N/A	The graphic of the Michigan Traffic Regulator Sign (W20-7a) replaces the Federal Flagging Sign (W20-7)

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Part	Number	Number	Number	Change
I	N/A	N/A	N/A	Insert certification letter
I	N/A	N/A	N/A	Insert Introduction to Michigan Edition
I	I-1	I-1	1	Delete paragraph 01 and insert "Traffic control devices shall be defined as all signs, signals, markings, and devices placed or erected by authority of a public body or official having jurisdiction, for the purpose of regulating, warning or guiding traffic as per Section 257.70 of the Michigan Vehicle Code".
I	I-1	I-1	1A	After paragraph 01 insert: "A peace officer may enter upon a private road that is open to the general public to enforce provisions of this act if signs meeting the requirements of the manual are posted on the private road per Section 257.601a(2) of the "Michigan Vehicle Code".
I	I-1	I-1	1B	After paragraph 01B insert: "A sign or other traffic control device required in a parking area shall conform to the requirements of the manual per Michigan State Statue 257.942b".
I	I-1	I-1	3	Insert "and Michigan State Statue" after "23 CFR 655.603(a)".
I	I-1	I-1	3	Delete C of paragraph 03 and insert ""Per Michigan State Statue 257.941, parking area means an area used by the public as a means of access to and egress from, and for the free parking of motor vehicles by patrons of a shopping center, business, factory, hospital, institution, or similar building or location. Shopping center means a minimum area of 3 acres of land on which there is located 1 or more stores or business establishments, and where there is provided a parking area."
I	I-1	I-1	6	Insert at the end of paragraph 06 "Table I-1a shows the history of the Michigan Manual"
I	I-1	I-1	8	Insert as part of paragraph 08: "In Michigan, the "Michigan Vehicle Code" (MVC) contains motor vehicle codes and traffic laws for use in Michigan. The MVC takes precedent over the UVC. Where appropriate, sections from Michigan State Statue including the MVC have been added to this manual. All references from the MVC may not be current; therefore, current Michigan Statue takes precedence."
I	I-1	I-2	9	Insert as a Standard 257.942b. Delete existing paragraph 09.
I	N/A	I-3		Insert Table I-1a History of MMUTCD.
I	I-3	I-4	22	Insert in last sentence "and the state of Michigan" after "FHWA".
I	N/A	I-2	9A	Insert as a Standard 257.601a(2).
I	I-4, 5, 6	I-5 to I-10	all	Replace Table I-2 with Michigan Compliance Dates

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1A.01	1	1	3A	Add to Standard "The "Michigan Vehicle Code" has the following provision in Section 257.615 (a) regarding commercial advertising:" Insert MCL 257.615(a).
1A.07	2	2	4	Delete paragraph 04. Insert "Traffic control devices placed and maintained by the State, County, City or other local officials are required by Michigan Law to conform to this Manual. Also, this Manual is required by Michigan Law to be in substantial conformance to the National Manual. 23 CFR 655.603 also states that traffic control devices on all streets and highways open to public travel in each State shall be in substantial conformance with standards issued or endorsed by the Federal Highway Administrator.
1A.07	N/A	2a, 2b	4A	Support: Michigan State Statue including the "Michigan Vehicle Code" (see Section 1A.11) has the following provisions for the adoption of a uniform Manual:" Insert MCL 257.608, 257.609, 257.610, 257.601a(2), 257.942, 257.942b and 390.891. (to be supplied
1A.07	3	3	8	Delete paragraph 08.
1A.08	N/A	4	9	Add after paragraph 08 "Support: The "Michigan Vehicle Code" (see Section 1A.11) has the following provisions in Section 257.615 (c) and (d) for unauthorized placement of traffic control devices or other sign or message placed on the highway right-of-way and in Section 257.616 for interference of a traffic control device;" Insert MCL 257.615 (c) and (d), and 257.616.
1A.09	N/A	4	3	Insert as new paragraph 03 "The decision to use a particular device at a particular location should be made on the basis of either an engineering study or the application of engineering judgment. Thus, while this Manual provides Standards, Guidance, and Options for design and application of traffic control devices, this Manual should not be considered a substitute for engineering judgment."
1A.09	N/A	4	4	Insert as new paragraph 04 "Engineering judgment should be exercised in the selection and application of traffic control devices, as well as in the location and design of the roads and streets that the devices complement."
1A.09	4	4	3 & 4	Renumber the existing paragraphs 03 and 04 to 05 and 06.
1A.10	7	6	23	Replace "this" with "the Federal"
1A.11	7	7	1	Replace ""Standard Highway Signs and Markings" book (FHWA)" with ""Michigan Standard Highway Signs" book (MDOT)"
1A.11	7	7	2	Replace "The "Standard Highway Signs and Markings" book includes standard alphabets and symbols and arrows for signs and pavement markings" with "For information about the "Michigan Standard Highway Signs" book visit the MDOT website at http://www.michigan.gov/MDOT . All references in the manual to the Standard Highway Signs and Markings book will pertain to the Michigan version."
1A.11	10	9		Insert at end : "43. Michigan Vehicle Code (MVC) (SOS) and Uniform Traffic Codes for Cities, Townships, and Villages (MSP)"

1A.13	10	10	1	Delete last sentence for Standard "Standard statements shall not be modified or compromised based on engineering judgment or engineering study."
1A.13	11	11	2	Delete "Uniform" and insert "Michigan".
1A.13	14	14	72	Delete meaning. Insert "The phase Traffic Regulator is used in Michigan in lieu of flagger."
1A.13	14	14	80	Insert after definition "Public Grade crossing means the point at which any railroad intersects with any public street or highway, or a nonmotorized trail as per 462.105 of Michigan State Statute. Private crossing means any at-grade intersection of a railroad with any traveled way not under the jurisdiction of a road authority as per 462.107 of Michigan State Statute."
1A.13	19	19	184	Delete definition for school and insert "School - an educational institution operated by a local school district or by a private, denominational, or parochial organization. School does not include an educational institution that the department of education determines has its entire student population in residence at the institution as per Section 257.627a(1)(b) of the "Michigan Vehicle Code"."
1A.13	19	19	184a	Insert "School Crossing – a crosswalk designated by the Michigan Department of Transportation, county road commission or a local authority as a place to be used by school children for crossing a street or highway as per Section 257.57a of the "Michigan Vehicle Code"."
1A.13	19	19	184b	Insert "School Crossing Guard -- a person 17 years of age or older authorized to supervise children using a school crossing as per Section 257.57b of the "Michigan Vehicle Code"."
1A.13	19	19	184c	Insert "School Session, Regularly Scheduled - that part of a day of student instruction that is followed by a break for lunch or by a final dismissal of the student body for that day as per Section 257.627a(1) of the "Michigan Vehicle Code"."
1A.13	19	20	185	Delete definition for school zone and insert "School Zone – school property on which a school building is located and the area adjacent to the school property that is designated by the signs per Section 7B.09. Except for a crossing on a state or county roadway with a posted speed limit of 35 mph or greater for a school in the area as described in Section 7B.12, the school zone extends not more than 1,000 feet from the property line of the school in each direction as per Section 257.627a(1)(c) of the "Michigan Vehicle Code"."
1A.14	N/A	24	1	Insert at end: "45. MVC-Michigan Vehicle Code".
N/A	N/A	26		Add New "Section 1A.MI16 (Michigan) Signs or Lights Resembling Traffic Control Devices or Emergency Vehicle Lights Standard: No device shall be placed along a street or highway which resembles a traffic control device or lights authorized by law for emergency vehicles. Support: The "Michigan Vehicle Code" (see Section 1A.11) has the following provision in Section 257.615 (a) for signs or lights resembling traffic control devices or emergency vehicle lights:" Insert MCL 257.615 (a) and (b).

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2A.13	36	36	15-17	<p>After paragraph 15 insert "Standard: In the interest of statewide uniformity, all sign messages used in Michigan shall be in English units. This includes, but is not limited to, speed limits, distances, and width, height and load limit restrictions.</p> <p>Option: Metric units may be used to supplement the English units for educational purposes only. Guidance: When used, they should be on separate plates and not a part of standard sign panels."</p>
2A.19	38	38		Figure 2A-2 For A, B, D and E replace "12" with "6" and "6" with "2"
2A.19	39	39		Figure 2A-3 For A, B, C, E and F replace "12" with "6" and "6" with "2". Replace "12" with "6" and "6" with "2" in Note
2A.19	43	43	3	In Paragraph 3 replace "12" with "6" and "6" with "2". Insert "if one exists" at end of Guidance statement.
2A.22	44	44	1	Delete "Section 2A.09" and insert "Section 2A.08".
2B.03	47	47		Table 2B-1 The size of the Van Accessible (R7-8P) plaque should be "12 x 6" instead of "18 x 9" in both of the Conventional Road columns.
2B.03	48	48		Table 2B-1 Delete reference to R10-18 and R10-19 signs. Add STOP HERE ON FLASHING RED (R10-14b) sign. The size of the R10-14b sign should be "24 x 36" in the Single Lane and Multi-Lane Conventional Road columns and should be "36 x 48" in the Oversized column.
2B.04	49	49	1	Delete "State or local laws written in accordance with the "Uniform Vehicle Code"" and Insert "Section 257.649 of the "Michigan Vehicle Code"". Delete "or pedestrian".
2B.04	50	50	5	Revise "Guidance: YIELD or STOP signs should not be used for speed control." to "Standard: YIELD or STOP signs shall not be used for speed control."
2B.11	54	54	1	In paragraph 01, second sentence Delete "Stop Here for" and insert "Yield Here To (Stop Here For)". In second sentence insert "(local regulation or ordinance)" after "law". In second sentence delete "must stop for a pedestrian in a crosswalk" and insert "to yield or stop".
2B.11	54	54	1	Delete "STATE" and insert "LOCAL".
2B.12	55	55	1	Delete "STATE" and insert "LOCAL".
2B.11-12	55	55		Figure 2B-2 Delete "STATE" and insert "LOCAL" on signs and note.
2B.12	55	55	1	In paragraph 01, first sentence insert "(local regulation or ordinance)" after "laws".
2B.12	56	56	9	In paragraph 09 delete "in States where the State law" and insert "where the law (local regulation or ordinance" after "used".

2B.12	56	56	14	Delete "seasonably" and insert "seasonally".
2B.55	57	57		Figure 2B-3 Delete reference to R10-18,R10-19P and R10-19aP signs. Revise R2-4a - delete "50" and insert "70", delete "MINIMUM" and insert "TRUCKS", delete "30" and insert "60".
2B.16	59	59	2	Delete last sentence in paragraph 02.
2B.26	67	67	6,7,8	Delete "R3-9d" and insert "R3-9e".
2B.28	72	72	1	Insert "a work zone or" after "intervals within"
2B.39	76	76, 76a	1	Insert at end of paragraph 01 "Per sections 257.644 and 257.726 of the "Michigan Vehicle Code"" Insert MCL 257.644 (1) (starting with Crossovers) and 257.726 (2)
2B.39	N/A	76a	3	Insert "L. AUTHORIZED VEHICLES ONLY (R5-15), and M. NO MOTORCYCLES UNDER 125cc, FARM TRACTORS, SELF-PROPELLED FARM IMPLEMENTS (R5-12); NO PEDESTRIANS, BICYCLES, MOTORCYCLES UNDER 125cc (R5-12a). Delete "and" in line J and replace "." in K with ","
2B.41	81	81	7	Delete "Section 2B.41" and insert "Section 2B.42".
2B.46	88	88		Figure 2B-24 Revise R7-8 sign. Replace double arrow with ONLY
2B.47	90	90	3	Delete "R7-201aP" and insert "R7-201P".
2B.47	91	91	15	The two references to the "R7-201P" word message plaque should be changed to "R7-201aP," and the two references to the "R7-201aP" symbol plaque should be changed to "R7-201P."
2B.48	N/A	92	1	Insert "Standard: A RESERVED PARKING for person with disabilities (R7-8) sign shall be used for each parking space reserved for use by disabled persons per Section 257.624(5) of the "Michigan Vehicle Code."" Renumber paragraph 01 to 01A.
2B.54	N/A	95	1A	After paragraph 01 insert "When used the NO TURN ON RED sign shall be located above or adjacent to the traffic signal or as close as possible, to the point where the turn is made, or at both locations, so that 1 or more of the signs are visible to a driver intending to turn, at the point where the turn is made, as per Section 257.612 (5) of the "Michigan Vehicle Code.""
2B.54	95	95	2	Delete paragraph 02 and insert "Option: An additional NO TURN ON RED sign may be used at the far side of the intersection in the direct vision of the turning driver."
2B.55	97	97		Delete Section 2B.55
2B.59	99	99	6	Delete paragraph 06 and insert "If used, the Weight Limit signs (see Figure 2B-29) shall be located not more than 15 m (50 ft) in advance of the applicable section of highway or structure and a suitable distance from each end to enable prohibited vehicles to take a different route per Section 257.631(5) of the "Michigan Vehicle Code.""
2B.59	99	99	7A	After paragraph 07 insert "Option: If used, the vertical dimension of the Weight Limit sign may be increased to accommodate an advisory distance ahead legend or ON BRIDGE AHEAD message."

2B.59	N/A	99	7B	After paragraph 07A insert The SEASONAL LOAD AND SPEED RESTRICTIONS IN EFFECT sign (R12-8) is intended for temporary use where the roadway authority has determined that light truck loadings and speed reductions are necessary during the Spring.	"Support:
2B.59	N/A	99	7C	After paragraph 07B insert "Guidance: The SEASONAL LOAD AND SPEED RESTRICTIONS IN EFFECT sign (R12-8) should be installed at intersections or other locations deemed appropriate."	
2B.61	N/A	99	3	After paragraph 02 insert Per Section 257.726 of the "Michigan Vehicle Code", local authorities and county road commissions with respect to highways under their jurisdictions, except state trunkline highways, by ordinance or resolution may provide that only certain highways or streets may be used by trucks or other commercial vehicles."	"Support:
2C.02	103	103	6	Delete "Parts 5 through 10" and replace with "Parts 5 through 9".	
2C.02	104	104		Table 2C-1 Revise Truck Crossing sign code from W8-6 to W11-10a, and Low Clearance sign code from W12-2a to W12-3.	
2C.04	106	106		Table 2C-2 Revise Truck Crossing sign code from W8-6 to W11-10a, and Low Clearance sign code from W12-2a to W12-3. Size of W13-2, 3 signs should be "48x60" in the Freeway column.	
2C.05	108	108		Table 2C-4. In footnotes 2 and 3 delete "2005 AASHTO" and insert "2004 AASHTO".	
2C.07	110	110		Table 2C-5. Delete "(W10-1)" and replace with "(W1-10 series)".	
2C.19	117	117	3	Delete "Sections 2B.63 through 2B.65" and insert "Sections 2C.63 through 2C.65."	
2C.27	118	118		Figure 2C-5 Revise Low Clearance sign code from W12-2a to W12-3.	
2C.20	N/A	118		Before paragraph 01 insert A NARROW BRIDGE (W5-2) sign (see Figure 2C-5) shall be used in advance of any bridge or culvert having a two-way roadway clearance width less than 19 feet but more than 17 feet as per Michigan State Statute 254.20." Renumber paragraph 01 to 01A.	"Standard:
2C.20	118	118	1	Delete "a two-way roadway clearance width of 16 to 18 feet, or any bridge or culvert having"	
2C.21	N/A	118		Before paragraph 01 insert A ONE LANE BRIDGE (W5-3) sign (see Figure 2C-5) shall be used in advance of any bridge or culvert having a two-way roadway clearance width of 17 feet or less as per Michigan State Statute 254.20." Renumber paragraph 01 to 01A.	"Standard:

				Delete original paragraph 01 and insert A ONE LANE BRIDGE sign should be used on two-way roadways in advance of any bridge or culvert: A. Having a clear roadway width of less than 19 feet when commercial vehicles constitute a high proportion of the traffic; or B. Having a clear roadway width of 19 feet or less where the sight distance is limited on the approach to the structure."	"Guidance:
2C.21	118	118, 119	1		
2C.27	120	120	1	Delete "12 inches above the statutory maximum vehicle height" and insert "13 ft, 6 in".	
2C.27	120	120	2	Delete "1" and insert "2".	
2C.27	N/A	120	2	At end of paragraph 02 insert "For purposes of this sign, clearance measurements should be taken at a point 2 feet off the edge of the traveled way, to allow for vehicle overhang, as well in the travel lanes."	
2C.27	120	120	3	Delete paragraph 03 and insert Where the clearance is less than 13 ft, 6 in, the W12-2 sign shall be placed in advance of the structure and at the nearest intersecting road or wide point in the road at which a vehicle can detour or turn around. Where such a detour or turn around can be made a supplemental distance plaque shall be used with the W12-2 sign.	"Standard:
2C.27	120	120	6	Delete paragraph 06 and insert rectangular shape Low Clearance sign (W12-3) may be installed on any over passing structure."	"The
2C.27	N/A	120	7	Insert after paragraph 06 "Guidance: The rectangular shape Low Clearance sign should be used where the clearance of a structure over the roadway is 14 ft, 6 in or less."	
2C.48	128	128	1	Delete "W8-6" and replace with "W11-10a"	
2C.48	129	129		Figure 2C-10 - Delete "W8-6" and replace with "W11-10a"	
2C.61	134	134	1	Delete paragraph 01 and insert : is being enforced by photographic equipment a Photo Enforced (W16-10P) plaque or a PHOTO ENFORCED (W16-10aP) word message plaque (see Figure 2C-12) shall be mounted below the Highway-Rail Grade Crossing Advance Warning (W10-1) sign at highway-rail grade crossings with flashing signals and gates, per Section 257.667a of the "Michigan Vehicle Code," to advise road users that the regulations associated with the crossing are being enforced by photographic equipment."	"When a crossing
2C.61	134	134	2	Delete "below a warning sign"	
2C.65	136	136	3	Delete "appurtances" and insert "appurtenances."	
N/A	N/A	136		Add new section as follows: (Michigan) ROAD ENDS Sign (W14-2b) Option: If desired, a ROAD ENDS (W14-2b) sign may be erected to supplement the End of Roadway Marker (OM4-1 OM4-2, or OM4-3)."	"Section 2C.MI67

2D.04	139	139		Table 2D-1 Replace "M1-5" with "M1-6" and "M1-6" with "M1-5". Delete "2a" in Sign Designation column for Directional Arrow sign.
2D.04	139	139		Table 2D-1 In the third column, the Section numbers in the last 34 rows – beginning with the Advance Turn Arrow (M5-1,2,3) sign – of the table should be changed to the following: 2D.26, 2D.27, 2D.28, 2D.37, 2D.37, 2D.38, 2D.38, 2D.37, 2D.37, 2D.38, 2D.37, 2D.37, 2D.38, 2D.41, 2D.41, 2D.41, 2D.43, 2D.44, 2D.44, 2D.44, 2D.47, 2D.48, 2D.55, 2D.55, 2D.49, 2D.49, 2D.49, 2D.54, 2D.46, 2D.46, 2D.33, 2D.51, 2D.51, 2D.52
2D.04	139	139		Table 2D-1 In the Conventional Road column, the asterisks should be deleted from the sizes for the 2-line and 3-line D3-2 signs, and the size of the 4-line D3-2 sign should be "Varies x 54" instead of "Varies x 60*."
2D.08	141	141	12	Delete "Paragraph 15" and insert "Paragraph 16"
2D.11	143	143	10	Delete paragraph 10 and insert: "The Michigan State Route signs shall be the M1-6 (see Figure 2D-3)."
2D.11	143	143	12	Replace "M1-5" with "M1-6".
2D.11	143	143		Figure 2D-3 Replace "M1-5" with "M1-6" and "M1-6" with "M1-5".
2D.11	144	144	13	Replace "M1-6" with "M1-5".
2D.28	147	147		Figure 2D-5 Delete M6-2a.
2D.28	148	148	3	Delete "(M6-2a)".
2D.28	148	148	4	Delete "M6-2a" and Insert "downward pointing diagonal arrow auxiliary".
N/A	N/A	180		Add new section as follows: "Section 2D.MI53 (Michigan) Snowmobile Route Sign (D11-2) Standard: The Snowmobile Route (D11-5) sign shall be used to indicate officially designated snowmobile routes. Option: Where required a supplemental panel may be placed below the Snowmobile Route sign to post supplementary guide information such as ROUTE BEGINS (Panel 2), NEXT 5 MILES, or similar legends, The supplemental panel may post certain restrictions such as PROHIBITED (Panel 3), NO PARKING (Panel 4), SINGLE FILE ONLY (Panel 5), BACK OF SHOULDER ONLY (Panel 6), or similar legends. The Advance Turn (M5-1, M5-2) or Directional (M 6 series) Arrow Auxiliary Signs (white on green) may be used with the Snowmobile Route sign. Guidance: The width of the supplemental panel should not exceed 24 inches."

N/A	N/A	180	<p>Add after above: "Standard: Guide supplemental panels shall have a white message and border on a green background. Regulatory supplemental panels shall have a white background and red message and border for prohibiting or black message and borders for operational requirements. The PERMITTED ON RIGHT-OF-WAY OR SHOULDER OF ALL COUNTY ROADS (Panel 7) shall be placed below the Snowmobile Route sign at the county line on all state and county roadways when all county roadways outside the corporate limits of a city or village are for snowmobile use."</p>
N/A	N/A	180	<p>Add after above: "Support: The requirements for snowmobile route signing per Michigan State Statute 324.82119(e). Snowmobiles may be operated on a highway in a county road system that is not normally snowplowed for vehicular traffic and on the plowed right-of-way or shoulder when no right-of-way exists on a snowplowed highway in the county road system, outside the corporate limits of a city or village, that is designated and marked for snowmobile use by the county road commission having jurisdiction. Upon the request of a county road commission that has designated all county roads outside the corporate limits of a city or village for snowmobile use, the state transportation department shall erect at county road commission expense and shall maintain, in accordance with the Michigan manual of uniform traffic control devices standards, the basic snowmobile sign unit together with a supplemental panel stating "permitted on right-of-way or shoulder of all (county name) roads — MCL 324.82119" at the county line on all state trunk line highways and county roads.</p>
N/A	N/A	180	<p>Add after above paragraph: "erected before the effective date of the 2005 amendatory act that amended this section may cite 1968 PA 74 instead of citing this section." "A sign</p>
2E.14	187	187	<p>Table 2E-1 In the Minimum Size column, the size of the D1-1 sign should be "Varies x 24" instead of "Varies x 30," the size of the D1-1a sign should be "Varies x 24" instead of "Varies x 30," the size of the D1-2 sign should be "Varies x 42" instead of "Varies x 54," the size of the D1-2a sign should be "Varies x 42" instead of "Varies x 54," the size of the D1-3 sign should be "Varies x 60" instead of "Varies x 72," the size of the D1-3a sign should be "Varies x 60" instead of "Varies x 72," the size of the D2-1 sign should be "Varies x 24" instead of "Varies x 30," the size of the D2-2 sign should be "Varies x 36" instead of "Varies x 54," the size of the D2-3 sign should be "Varies x 48" instead of "Varies x 72," the size of the 2-line D3-2 sign should be "Varies x 36" instead of "Varies x 42*," the size of the 3-line D3-2 sign should be "Varies x 48" instead of "Varies x 66*," and the size of the 4-line D3-2 sign should be "Varies x 66" instead of "Varies x 84*."</p>
2E.14	191	191	<p>Table 2E-5, In Item L, Overhead Arrow-Per-Lane Signs, in the 12th row beneath the heading, delete the word "plaques" and insert "Panels."</p>

				Table 2E-5, in Item L, Overhead Arrow-Per-Lane Signs, make the following changes to the values in the Minimum Size column: the Arrowhead (Type D Directional Arrow) delete "21.625" and insert "21"; the Arrow Shaft Width delete "8" and insert "7.75"; the Arrow Height for the Through Arrow delete "72" and insert "66"; the Arrow Heights for the Left Only and Right Only Arrows delete "48" and insert "45"; the Arrow Height for the Optional-Diverge (Through with Left or Right) Arrow delete "72" and insert "66"; the Arrow Height for the Optional-Split (Left and Right) Arrow delete "66" and insert "55"; the Horizontal Space between Arrow Shaft and EXIT and ONLY Panels delete "10" and insert "12"; and EXIT and ONLY Panels delete "60 x 18" and insert "54 x 18".
2E.14	191	191		
2E.24	206	206	11	Delete "section 2C.42" and insert "Section 2C.43".
2G.14	273	273	2	Delete "Figure 2G-14" and insert "Figure 2G-13"
2G.14	288	288		In fifth line of note 4 delete "tot he" and insert "to the".
2I.05	307	307	6	Delete "D5-1b" and insert D5-1a".
2I.05	307	307	8	Delete "D5-2" and insert D5-2a".
2I.05	308	308	9	Delete "D5-1b" and insert D5-1a" in two places.
2J.11	N/A	319	2	After paragraph 01 insert "Standard: Specific Service Signs on the state highway system shall be in accordance to Michigan State Statute 252.52 and 257.676a."
2K.07	N/A	324	3	After paragraph 02 insert "Standard: Tourist Oriented Directional signs on the state highway system shall be in accordance to Michigan State Statute 247.401, 247.402, 247.403, 247.404 and 247.405."

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3A.06	348	348	4	Delete "10" and "30" and insert "12.5" and "37.5"
3A.06	348	348	6	Delete "2- to 6" and insert "4". Delete "3" and insert "5". Delete "9" and insert "20" After paragraph 06 insert "A dotted line for tapered exits may consist of 5-foot line segments and 20-foot gaps."
3B.01	349	349	8	Delete "Section 11-301c and 11-311c of the "Uniform Vehicle Code (UVC)"" and insert "Section 257.642 of the "Michigan Vehicle Code"". Delete second sentence.
3B.01	351	351		Figure 3B-2 Insert "Mandatory movement arrow symbols shall be supplemented by the ONLY word marking." as a Note. Insert ONLY symbol markings on drawing.
3B.02	354	354	10	Delete "Section 11-307 of the "Uniform Vehicle Code (UVC)"" and insert "Section 257.640 of the "Michigan Vehicle Code"". Delete second sentence.
3B.03	354	354	3	Insert in paragraph 03 "and shall not be used for passing and overtaking or travel by a driver except to make an immediate left turn" at the end of the first sentence.
3B.04	359	359		Figure 3B-8 - The label for the "Theoretical gore" and the leader line and arrowhead pointing at the location where the solid lane line begins to curve should be deleted, and a short dimension line should be placed at the top of the "Varies" dimension.
3B.04	362	362	17	Deleted "3" and insert "5". Delete "9" and insert "12".
3B.04	364	364		Figure 3B-10 - The label for the "Theoretical gore" and the leader line and arrowhead pointing at the location where the solid lane line begins to curve should be deleted, and a dimension line should be placed at the top of the "Varies" and the "1/2 mile MIN." dimensions.
3B.04	368	368		Figure 3B-11 (sheet 1 of 2) Delete bottom right turn arrow.
3B.04	369	369		Figure 3B-11 (sheet 2 of 2) Delete bottom right turn arrow.
3B.07	371	371	2	For item B delete "At" and insert "On".
3B.08	372	372		Figure 3B-13 Insert "Mandatory movement arrow symbols shall be supplemented by the ONLY word marking." as a Note for B. Insert ONLY symbol markings on drawing.

3B.08	373	373		Figure 3B-13 Insert "Mandatory movement arrow symbols shall be supplemented by the ONLY word marking." as a Note for C and D. Insert ONLY symbol markings on drawing.
3B.16	N/A	381	13A	Insert after paragraph 13: "Placement of Yield Here To (Stop Here For) Pedestrians (R1-5 series) signs (see Figure 3B-16) shall be per Section 2B.11."
3B.19	386	386		Figure 3B-21 - Revise values per Michigan Vehicle Code Section 257.674. Delete all "UVC" and insert appropriate MCL cites. Left top - insert heading "No Intersection Traffic Control", delete stop bar and delete "per UVC" and insert "per MCL 257.674(1)(f)". Left bottom - insert footer "No Intersection Traffic Control" and delete "per UVC". Middle top - insert heading "Traffic Signal, Stop Sign, or Flashing Beacon", delete "to signal per UVC" and insert "per MCL 257.674(1)(g)". Middle bottom - insert footer "No Intersection Traffic Control" and delete "per UVC". Right top - Delete "sidewalk" and drawing of sidewalk, draw a dimension line at point of bottom of deleted sidewalk, delete "20" and insert "15", delete "unmarked crosswalk (see UVC Sections 1-118 and 11-1003" and insert "intersection of property lines at the intersection of highways per MCL 257.624(1)(f)".
3B.20	389	389	2	Insert "Mandatory movement arrow symbols shall be supplemented by the ONLY word marking except in roundabout." after A5.
3B.20	391	391	26	Change first sentence in paragraph 26 from Guidance to Standard. Move to paragraph 25.
3B.20	392	392		Figure 3B-27 Delete "**** Recommended where through lane becomes mandatory turn lane" and insert "Mandatory movement arrow symbols shall be supplemented by the ONLY word marking." as a Note. Insert ONLY symbol markings on drawing. Delete "*" above ONLY on northbound approach.
3B.20	392	392	32	Change paragraph 32 from Option to Standard. Insert "except in roundabouts" at end of paragraph.
3B.23	395	395	12	Delete "curbed as of" and insert "curbed noses of".
3C.01	399	399		Figure 3C-1 The "Optional" label on the left-hand side of the figure should point only to the yellow edge line next to the central island and should not point to the white edge line around the outside of the circulatory roadway. The "Optional" label and leader lines near the bottom of the figure that point to the edge lines along the approach roadway should be deleted.
3D.02	417	417	3	Sub-item 3 in Item E - delete "solid" and insert "broken".
3I.03	430	430	2	Delete "Guidance:" and Insert "Option:". Change paragraph 02 to normal font.

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4D.04	450	450	1	Delete "Uniform" and insert "Michigan".
4D.04	450-452	450, 451	3	Insert "Standard: The following meanings shall be given to highway traffic signal indications for vehicles and pedestrians as per Sections 257.612, 257.613 and 257.614 of the "Michigan Vehicle Code": Insert MCL 257.612, 257.613, and 257.614.
4D.05	453	453	3	B4c Delete and "(c) A yellow trap situation is present. The yellow trap situation occurs in cases where a permissive left-turn movement is permitted on an approach and a CIRCULAR GREEN interval for that left-turning movement is terminated while opposing through-traffic continues to be shown a CIRCULAR GREEN and a left-turn GREEN ARROW."
4D.05	N/A	455	7	Insert at end of paragraph 07 "In order to prevent the occurrence of a yellow trap the following traffic signal timings are to be avoided: A. Lead-lag left-turn phasing using protected/permissive mode. B. Lagging protected/permissive mode left-turn phasing on an approach in which the opposing approach has no protected/permissive left-turn phasing. C. Not simultaneously beginning lagging protected/permissive left-turn movements of opposing approaches."
4D.09	458	458	3	Delete "and/or flashing" in first line under CIRCULAR RED.
4D.09	458	458	5	Delete "(see Figures 4D-2, 4D-9, 4D-11, 4D-16, and 4D-18)." and insert "(see Figures 4D-2, 4D-8, 4D-9, 4D-11, 4D-15, 4D-16, 4D-18 and 4D-20).
4D.10	459	459	3	Delete "and/or flashing" in first line under CIRCULAR RED.
4D.11	459	459	1	Insert "A minimum of one signal face shall be located over the travel portion of the roadway (MVC 257.612)" at the end of A.
4D.12	462	462	5	Delete paragraph 05.
4D.12	462	462	6	Delete paragraph 06.
4D.17	466	466	2	A - Delete ", or a flashing left-turn RED ARROW signal indication". Insert "or" after "CIRCULAR GREEN signal indication".
4D.17	466	466	10	B - Delete "or a flashing left-turn RED ARROW signal indication".
4D.18	468	468	4	Delete paragraph 04.
4D.18	468	468	5	Delete paragraph 05.
4D.18	469	469	5	Delete paragraph 05.
4D.18	469	469	6	Delete paragraph 06.
4D.18	469	469		Delete Figure 4D-8.

4D.19	470	470	3	D - Delete "or flashing left-turn RED ARROW".	
4D.19	470	470	3	Insert at end of A "except as provided in paragraph 4."	
4D.19	N/A	471		Insert new paragraph 04 A LEFT sign may be mounted above the signal."	"Option:
4D.20	471	471	1	Insert at end of F "except as provided in paragraph 4."	
4D.20	473	473	4	Delete paragraph 04 and insert: A LEFT sign may be mounted above the signal."	"Option:
4D.20	473, 474	473	5, 6	Insert as new paragraphs 05 and 06. On approaches with multiple left-turn lanes and opposing traffic, Protected Only Mode left-turn phasing shall be used. Guidance: In traffic on a two-way street at an intersection with an one-way street is facing a signal with left-turn phasing operating in Protected Only Mode, special consideration should be given to determine whether to post NO TURN ON RED (R10-11a or R10-11) signs as per Section 4D.34."	"Standard:
4D.23	480	480		Figure 4D-17 In the ninth line of the asterisk note, insert "sometimes displayed when the signal faces for the adjacent through lane(s) are not displaying a red indication and the red indication in the right-turn signal face is" after the word "is."	
4D.24	482	482		Figure 4D-19 In the ninth line of the double asterisk note, insert "sometimes displayed when the signal faces for the adjacent through lane(s) are not displaying a red indication and the red indication in the right-turn signal face is" after the word "is."	
4D.27	490	490	17	Insert "white" between "distinctive" and "indication".	
4D.27	490	490	17	Delete "(see Section 11-106 of the "Uniform Vehicle Code)".	
4D.34	493	493	3	Delete paragraph 03 and insert: "Standard: used, the NO TURN ON RED sign shall be located above or adjacent to the traffic signal or as close as possible, to the point where the turn is made, or at both locations, so that 1 or more of the signs are visible to a driver intending to turn, at the point where the turn is made, as per Section 257.612(5) of the "Michigan Vehicle Code."	When
4D.34	N/A	494	3A	After paragraph 03 insert: "Option: An additional NO TURN ON RED sign may be used at the far side of the intersection in the direct vision of the turning driver."	

4D.34	N/A	494	3B	After paragraph 03A insert: "Guidance: Traffic signal signs should be located adjacent to the signal face to which they apply except NO TURN ON RED signs as noted in the above Standard ."	"
4E.02	495	495	1	A - Delete A and insert "A steady WALKING PERSON (symbolizing WALK) signal indication means that a pedestrian facing the signal indication may proceed across the roadway in the direction of the signal indication and shall be given the right-of-way by all vehicles."	
4E.08	501	501		Figure 4E-3 A 4-foot by 4-foot gray square representing a level landing area should be shown next to each ramp and the landing area should not be shown as a recommended area for pushbutton locations.	
4E.08	503	503		Figure 4E-4 Note 2 Delete "Tese" and insert "These".	
4E.11	506	506	15	Delete "Section 4D.13" and insert "Section 4E.13."	
4F.03	511	511		Figure 4F-3 Insert "Note: An optional steady red clearance interval may be used after Interval 3 and before Interval 4."	
4G.04	515	515	18	Delete "Section 2B.53" and insert "Figure 2B-27".	

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Part	Number	Number	Number	Change
5A.03	532	532		Table 5A-1 Fourth row, first column delete "(English)". Last row, fourth column delete "36 x 9" and insert "36 x 8".
5A.03	533	533		Table 5A-1 Delete "Flagger" and "W20-7" and Insert "Traffic Regulator" and "W20-7a".
5C.05	537	537	1	Delete paragraph 01 and insert: "Standard: The criteria listed in Section 2C.20 shall be followed for a NARROW BRIDGE sign."
5C.06	537	537	1	Delete paragraph 01 and insert: "Standard: The criteria listed in Section 2C.21 shall be followed for a ONE LANE BRIDGE sign."
5G.02	544	544	6	Delete "flagger" and insert "traffic regulator". Delete "flaggers" and insert "traffic regulators".
5G.05	545	545		Figure 5G-1. Delete W20-7 sign. Insert W20-7a sign.

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6C.01	552	552	15A	After paragraph 15 insert: "Standard: The setting of speed limits within work zones shall be in accordance to Section 257.627(9) of the "Michigan Vehicle Code" A person operating a vehicle on a highway, when entering and passing through a work zone described in section 79d(a) where a normal lane or part of the lane of traffic has been closed due to highway construction, maintenance, or surveying activities, shall not exceed a speed of 45 miles per hour unless a different speed limit is determined for that work zone by the state transportation department, a county road commission, or a local authority, based on accepted engineering practice. The state transportation department, a county road commission, or a local authority shall post speed limit signs in each work zone described in section 79d(a) that indicate the speed limit in that work zone and shall identify that work zone with any other traffic control devices necessary to conform to the Michigan manual of uniform traffic control devices. A person shall not exceed a speed limit established under this section or a speed limit established under section 628 or 629".
6C.02	552	552	2	Delete "It extends from the first warning sign or high-intensity rotating, flashing, oscillating, or strobe lights on a vehicle to the END ROAD WORK sign or the last TTC device."
6C.02	552	552	2	Insert: "A work zone is defined per Section 257.79d of the "Michigan Vehicle Code"." Insert MCL 257.79d.
6C.03	553	553		Figure 6C-1 Delete "protection" and insert "space". Insert "(optional)" for downstream taper, buffer spaces (lateral and longitudinal).
6C.05	N/A	554	3A	After paragraph 03 insert: "Guidance: Neither work activity nor storage of equipment, vehicles, or material should occur within a transition area."
6C.08	557	557	5	Insert "work zone" before "speed limit".
6C.09	558	558	1	Insert at the end of paragraph 01: "Michigan State Statue has the following provisions in Sections 247.291 and 247.292 regarding closing highways or bridges for construction or repair." Insert MCL 247.291 and 247.292.

6C.09	558	558	2	Delete Guidance and paragraph 02. Insert "Standard: Detours for the closing of highways or bridges for construction or repair shall be clearly signed over their entire length so that road users can easily use existing highways to return to the original highway."
6C.09	558	558	2A	After paragraph 02 insert: "Guidance: Detour route signing should resemble permanent route signing as shown in Figures 6H-8 and 6H-9."
6D.03	N/A	565	9A	After paragraph 09 insert: "Standard: Where nighttime work is performed the work location shall be lighted per MIOSHA General Rule R408.40133."
6E.03	N/A	566	1B	After paragraph 01 insert: "Support: Additional information and a detailed outline of the traffic regulator procedures and conduct is contained in the Michigan Department of Transportation "Traffic Regulators Instruction Manual."
6E.03	566	566	1	Before paragraph 01 insert: "Standard: The STOP/SLOW paddle shall be the primary and preferred hand-signaling device because the STOP/SLOW paddle gives road users more positive guidance than red flags." Renummer paragraph 01 to 01A.
6E.03	566	566	1	Delete: "The STOP/SLOW paddle should be the primary and preferred hand-signaling device because the STOP/SLOW paddle gives road users more positive guidance than red flags."
6E.03	566	566	2	Insert "(R1-1a)" after "STOP/SLOW".
6E.03	566	566	4	Delete paragraph 04.
6E.03	566	566	2	Insert at end of paragraph 02 "The STOP/SLOW paddle shall be placed on a rigid staff that is tall enough that when the end of the staff is resting on the ground, the message is high enough to be seen by approaching or stopped traffic."
6E.07	573	573	6	Insert "of a multi-lane closure" after "closed lane" in the first sentence.
6E.08	575	575	4	Insert "per MIOSHA General Rule R408.40133" at the end of the 2nd sentence.
6F.03	577	577	4, 5, 6	Insert "For post mounted signs" at the beginning of the 1st sentence in paragraphs 04, 05, and 06.
6F.03	577	577	8	Delete "Neither portable nor permanent". Insert "not" after "should".
6F.02	578	578		Table 6F-1 Delete "R1-1" and insert "R1-1a" for the sign designation of Stop (on Stop/Slow Paddle)
6F.03	581	581		Figure 6F-1 Insert "on Posts" after "Signs".
6F.03	582	582		Figure 6F-2 Replace traffic flagger sign with traffic regulator sign.

6F.12	N/A	586	6	<p>Insert following paragraph 05</p> <p>"Standard: Signs used for fines in work zones shall reflect the language of Section 257.601b of the "Michigan Vehicle Code"." Insert MCL 257.601b.</p>
6F.12	N/A	586	7	<p>Insert after paragraph 06</p> <p>Section 6C.02 contains information regarding workzone definitions per Section 257.79d of the "Michigan Vehicle Code."</p> <p>"Support:</p>
6F.15	587	586b	2A	<p>After paragraph 02 insert:</p> <p>"Standard: The WORK ZONE BEGINS (R5-18c) sign defines the beginning of a work zone. The BEGIN WORK CONVOY (R5-18d) and END WORK CONVOY (R5-19e) signs define a work zone for construction, maintenance, or utility work activities conducted by a work crew and more than one moving vehicle.</p> <p>Support: Section 6C.02 contains information regarding work zone definitions per Section 257.79d of the "Michigan Vehicle Code.""</p>
6F.16	590	590		Figure 6F-4 Replace traffic flagger sign with traffic regulator sign.
6F.57	N/A	598	2A	<p>After paragraph 02 insert:</p> <p>"Standard: The END ROAD WORK (G20-2) sign defines the end of a work zone per Section 257.79d(a) of the "Michigan Vehicle Code."</p>
6F.57	N/A	598	2B	<p>After paragraph 02A insert:</p> <p>Support: Section 6C.02 contains information regarding work zone definitions."</p>
6F.61	602	602		Figure 6F-6 - Delete four corner flashing caution option
6F.63	604	604	8	Insert "work zone" before "speed limit".

				Figure 6F-7 Insert diagram which shows appropriate position of stripes on Type 3 Barricades for different scenarios from bottom of page 1 of WZD-125. Insert "Where left turns are provided and/or vehicles are to pass to the left of the barricade, the barricade stripes should slope downward in the left direction from the center of the barricade or barricades. Where right turns are provided and/or vehicles are to pass to the right of the barricade, the barricade stripes should slope downward in the right direction from the center of the barricade or barricades. Where both right and left turns are provided at the point of the closure and/or vehicles may pass to the right or to the left of the barricade, the barricade stripes should slope downward in both directions from the center of the barricade or barricades. Where no turns are intended, at the point of closure and vehicles shall not pass beyond the barricade, the stripes should be positioned to slope downward toward the center of the barricade or barricades." below the appropriate scenarios.
6F.68	N/A	605a		
6F.68	608	608	8	Insert ",at the point of closure," after "Where no turns are intended,".
6F.74	611	611	2	Delete "2.5 inches" and insert "2 inches".
6F.81	N/A	614	4A	Insert before paragraph 05: "Per Section 257.698 of the "Michigan Vehicle Code" the color of high-intensity rotating, flashing, oscillating, or strobe lights shall be amber."
6F.82	N/A	614	1A	Insert before paragraph 02: "Standard: When nighttime work is being performed, lighting shall be provide to illuminate the work area per MIOSHA General Rule R408.40133."
6F.82	614	614	2	Delete "work area, equipment crossings," and insert "equipment crossings "
6F.82	614	614	6	Insert "An average horizontal luminance of 10 foot candles can be adequate for activities around equipment." between the second and third sentences.
6F.82	614	614		Replace "floodlight" and all forms of the word with "illumination".
6G.04	622	622	3	Replace "Floodlights" with "Illumination"
6H.01	639	639		Figure 6H-3 Replace ROAD WORK NEXT XX MILES sign with ROAD WORK AHEAD sign (W20-1).
6H.01	641	641		Figure 6H-4 Revise arrow board from four corner operation to bar mode
6H.01	643	643		Figure 6H-5 Insert "or appropriate end treatment" after "Crash cushion"
6H.01	647	647		Figure 6H-7 Replace bottom ROAD WORK XX FT sign with ROAD WORK AHEAD sign (W20-1). Replace second ROAD WORK XX FT sign with TRAFFIC SHIFT AHEAD sign.
6H.01	648	648		Insert "Guidance:" after note 4. In note 5 replace "may" with "should".
6H.01	649	649		Figure 6H-8 Add WEST plaque between the DETOUR plaque and Route 4 Marker for the two northbound installations. Replace DETOUR 1500 FT sign with DETOUR AHEAD sign.
6H.01	650	650		Insert "Guidance:" after note 5. In note 6 replace "may" with "should".

6H.01	653	653	Figure 6H-10 Replace design of flagger sign with Michigan's design of traffic regulator sign. Replace ROAD WORK XX FT sign with ROAD WORK AHEAD sign. Replace ONE LANE ROAD XX FT sign with ONE LANE ROAD AHEAD sign.
6H.01	656	656	For note 3 insert "due to emergency conditions" between "flashing mode" and ",",.
6H.01	657	657	Figure 6H-12 For both north and south bound directions move the far left traffic signal to the lane facing traffic.
6H.01	659	659	Figure 6H-13 Replace design of flagger sign with Michigan's design of traffic regulator sign.
6H.01	660	660	For note 1 replace "Floodlights" with "Lighting"
6H.01	661	661	Figure 6H-14 A. Change leader line for Temporary marking from centerline markings to the stop bar and delete "(optional)". Add note "Existing no-passing lines" with leader line to the centerline markings.
6H.01	661	661	Figure 6-14 B. Replace design of flagger sign with Michigan's design of traffic regulator sign. Delete "(optional)" for Temporary marking.
6H.01	662	662	Insert new note 7 under Option "Additional advance warning may be appropriate such as a ROAD NARROWS sign." Renumber existing note 7 to 8.
6H.01	665	665	Figure 6H-16 Replace design of flagger sign with Michigan's design of traffic regulator sign.
6H.01	667	667	Figure 6H-17 Revise arrow board from four corner operation to bar mode
6H.01	670	670	Insert new note 8 under Option "If the road is opened for some distance beyond the intersection and/or there are significant origin/destination points beyond the intersection, the ROAD CLOSED and DETOUR signs on Type 3 Barricades may be located at the edge of the traveled way." Renumber existing note 8 to 9.
6H.01	672	672	Insert new note 7 under Option "If the road is opened for some distance beyond the intersection and/or there are significant origin/destination points beyond the intersection, the ROAD CLOSED and DETOUR signs on Type 3 Barricades may be located at the edge of the traveled way." Renumber existing note 7 to 8 and 8 to 9.
6H.01	675	675	Figure 6H-21 Replace double arrow sign with arrow board showing flashing double arrow.
6H.01	677	677	Figure 6H-22 Replace LANE ENDS MERGE LEFT sign with THRU TRAFFIC MERGE LEFT sign.
6H.01	679	679	Figure 6H-23 Insert an arrow board with merge right arrow in the taper.
6H.01	680	680	Insert as a new note 3 under Guidance: "A buffer space should be used between opposing directions of vehicular traffic as shown in this application.". Renumber the remaining notes.
6H.01	681	681	Figure 6H-24 Delete optional temporary markings in the center of the intersection. Delete "(optional)" for arrow board. Add channelization as shown in 2005 MMUTCD TA-24 with L dimension. . Replace LANE ENDS MERGE LEFT sign with THRU TRAFFIC MERGE LEFT sign.
6H.01	683	683	Figure 6H-25 Replace LANE ENDS MERGE RIGHT sign with THRU TRAFFIC MERGE RIGHT sign.
6H.01	685	685	Figure 6H-26 Insert ROAD NARROWS sign on all approaches after the ROAD WORK AHEAD sign with B spacing as shown in 2005 MMUTCD TA-26
6H.01	687	687	Figure 6H-27 Replace design of flagger sign with Michigan's design of traffic regulator sign.
6H.01	689	689	Figure 6H-28 Delete "(optional)" in left figure.
6H.01	692	692	For note 1 replace "XX FT" with "AHEAD".
6H.01	693	693	Figure 6H-30 Delete "(optional)" for arrow boards.
6H.01	694	694	For note 3 replace "XX FT" with "AHEAD".

6H.01	695	695		Figure 6H-31 Delete "(optional)" for arrow board.
6H.01	697	697		Figure 6H-32 Delete first RIGHT LANE CLOSED XX FT sign on each approach. Replace the second RIGHT LANE CLOSED XX FT sign with RIGHT LANE CLOSED AHEAD sign.
6H.01	699	699		Figure 6H-33 A Rename as "LONG-TERM". Replace the RIGHT LANE CLOSED XX MILE sign with RIGHT LANE CLOSED AHEAD sign. Replace the ROAD WORK XX MILE sign with ROAD WORK AHEAD sign.
6H.01	699	699		Figure 6H-33 B Rename as "SHORT-TERM AND INTERMEDIATE". Replace the RIGHT LANE CLOSED XX MILE sign with RIGHT LANE CLOSED AHEAD sign. Replace the ROAD WORK XX MILE sign with ROAD WORK AHEAD sign.
6H.01	700	700		Insert as a new note 4 under Guidance: "When paved shoulders having a width of 8 feet or more are closed, channelizing devices should be used to close the shoulder in advance of the merging taper to direct vehicular traffic to remain within the traveled way." Renumber the remaining notes.
6H.01	701	701		Figure 6H-34 Insert "or appropriate end treatment" after "Crash cushion" Insert "(see note 4)" after "Shoulder taper".
6H.01	712	712		Insert as a new note 4 under Guidance: When the crossover follows a curved alignment, the design criteria contained in the AASHTO "Policy on the Geometric Design of Highways and Streets" (see Section 1A.11) should be used. Renumber the remaining notes.
6H.01	717	717		Figure 6H-42 Replace ROAD WORK XX MILE sign with ROAD WORK AHEAD sign. Replace RIGHT LANE CLOSED XX MILE sign with RIGHT LANE CLOSED AHEAD sign.
6H.01	719	719		Figure 6H-43 Replace ROAD WORK XX FT sign with ROAD WORK AHEAD sign.
6H.01	721	721		Figure 6H-44 Replace ROAD WORK XX MILE sign with ROAD WORK AHEAD sign. Replace RIGHT LANE CLOSED XX MILE sign with RIGHT LANE CLOSED AHEAD sign.
6H.01	725	725		Figure 6H-46 Replace design of flagger sign with Michigan's design of traffic regulator sign. Replace ROAD WORK XX FT sign with ROAD WORK AHEAD sign. Replace ONE LANE ROAD XX FT sign with ONE LANE ROAD AHEAD sign.
6I.01	726	726	7	Add, "shall" before "wear" in that sentence.

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7A.02	N/A	731	03A	After paragraph 03 insert "Standard: A roadway authority shall establish school crossings considered necessary for the safety of school children on streets and highways under their jurisdiction. The establishment of a school crossing shall be based upon a traffic and engineering study conducted by the authority having jurisdiction, in consultation with the superintendent of the school district. Having established a school crossing, the roadway authority shall erect school crossing signs, in conformance with the Manual on streets or highways under its jurisdiction, in consultation with the superintendent of the school district per Section 257.613(a) of the "Michigan Vehicle Code."
7A.02	N/A	731	03B	Support: The "Michigan Vehicle Code" has the following provisions in Section 613a regarding school crossings." Insert MCL 257.613a.
7B.01	733	733		Table 7B-1 delete S4-2P, Change all "20" on signs to "25". Insert END DOUBLE FINES ZONE sign R2-11a.
7B.03	734	734	3	Delete "7B.08" and insert "7B.11".
7B.01	735	735		Figure 7B-1 delete S4-2P. Insert R2-11a.
7B.09	736	736	1	Delete "State or local statue" and insert "Section 257.627a(1)(c) of the Michigan Vehicle Code"" Insert at end of paragraph "The school zone extends not more than 1,000 feet from the property line of the school in each direction."
7B.10	736	736	1	Delete "traffic" and insert "moving". Insert "per 257.601b of the "Michigan Vehicle Code"" after "designated school zone".
7B.10	736	736	2	Delete B and replace "C" with "B".
7B.10	N/A	736	3	Insert "END DOUBLE FINES ZONE (R2-11a)" after "(see Figure 7B-1)".
7B.10	737	737		Figure 7B-2 Delete both BEGIN HIGHER FINES ZONES signs. Delete FINES HIGHER plaque and insert FINES DOUBLE (R2-6aP) plaque for both approaches and delete "(optional)" for this plaque. Revise legend of END HIGHER FINES ZONE sign to END DOUBLE FINES ZONE. Insert note "At beginning point of school zone if no reduced school speed limit zone is in place." at S1-1 sign location for both approaches.

7B.10	738	738		Figure 7B-3 Change all "20" on signs to "25". Delete both BEGIN HIGHER FINES ZONES signs. Insert FINES DOUBLE (R2-6aP) plaque for both approaches under School Zone sign (S1-1). Delete END HIGHER FINES ZONE and END SCHOOL ZONE signs at top of drawing. Create new sign END DOUBLE FINES ZONE (R2-11a). Next to speed limit sign at top of drawing insert "OR" Speed limit sign R2-1 (optional) with END SCHOOL ZONE sign S5-2 below it "OR" END SCHOOL SPEED LIMIT sign S5-3 with END DOUBLE FINES ZONE sign R2-11a below it. Next to speed limit sign at bottom of drawing insert "OR" Speed limit sign R2-1 (optional) with END SCHOOL SPEED LIMIT sign S5-3 below it. Insert note "In Michigan the reduced school speed limit zone ends at the same point as the double fines zone.". On bottom of drawing revise END HIGHER FINES ZONE sign to END DOUBLE FINES ZONE.
7B.11	739	739		Figure 7B-4 Change title to "Example of Signing for a School Crossing Not Next to a School". Add note "When there is a reduced school speed limit in place per 257.627a(5) place signs per Figure 7B-5."
7B.15	740	740		Figure 7B-5 Change all "20" on signs to "25". Insert FINES DOUBLE (R2-6aP) plaque for both approaches under School Zone sign (S1-1). Create new sign END DOUBLE FINES ZONE (R2-11a). Next to speed limit sign at top of drawing insert "OR" END SCHOOL SPEED LIMIT sign S5-3 with END DOUBLE FINES ZONE sign R2-11a below it. Next to speed limit sign at bottom of drawing insert "OR" END SCHOOL SPEED LIMIT sign S5-3 with END DOUBLE FINES ZONE sign R2-11a below it. Insert note at top and bottom "In Michigan the reduced school speed limit zone ends at the same point as the double fines zone."
7B.12	741	741	1	Delete "If used, the" and insert "The". Delete "the school crossing" and insert "at established marked crosswalk(s)". Insert "as per Section 257.613a of the "Michigan Vehicle Code"," after "possible,".
7B.12	741	741	4	Insert "where a local regulation or ordinance specifically requires that a driver must yield or stop for a pedestrian in a crosswalk." at the end of the first sentence. Delete "STATE" and insert "LOCAL".
7B.12	741	741		Figure 7B-6 Delete "STATE" and insert "LOCAL".
7B.12	742	742	5	Delete "STATE" and insert "LOCAL".
7B.13	N/A	742	01A	After paragraph 01 insert "Support : The "Michigan Vehicle Code" has the following provisions in Section 257.1855 regarding the location of discharging or receiving pupils:" Insert MCL 257.1855 (4) and (5).
7B.15	742/743	742, 742a		Delete "S4-2P" where ever mention in Section 7B.15
7B.15	742	742a	1	Delete "based upon an engineering study or where a reduced school speed limit is specified for such areas by statute." and insert "in accordance with Section 257.627a of the "Michigan Vehicle Code"".
7B.15	742	742	3	Delete "traffic" and insert "moving". Insert "per 257.601b of the "Michigan Vehicle Code"" after "school speed limit zone".
7B.15	N/A	742a	04A	After paragraph 04 insert: "Support: The "Michigan Vehicle Code" has the following provisions in Section 257.627a regarding the setting of school speed limits. 257.627a Prima facie speed limit in school zone." Insert MCL 257.627a(2)-(6).
7D.01	745	745	2	Delete "(see Section 1A.11)" and insert "(available from AAA Michigan)".

7D.01	N/A	745	2	Insert at the end of paragraph 02 "Information for the organization, operation, and administration of an adult crossing guard program is given in the "Michigan Adult School Crossing Guard Manual" (available from AAA Michigan and the Michigan Department of Education."
7D.02	N/A	745	01A	After paragraph 01 insert "Standard: Adult crossing guards are the responsibility of the local law enforcement agency having immediate jurisdiction of the crossing. They shall receive a minimum of four hours of instruction before performing the duties of the adult crossing guard. Two hours of additional instruction shall be given annually to an adult crossing guard before the beginning of each school year. The courses of instruction shall be approved by the Department of Education and the Department of State Police and conducted by the local law enforcement agency having jurisdiction, or its designee."
7D.02	745	745	01B	After paragraph 01A insert "Support: Sections 257.613b, 257.613c, and 257.613d of the "Michigan Vehicle Code" define the responsibility of an adult crossing guard."
7D.05	745	746	1	Insert at the end of paragraph 01 "When all traffic has stopped, the adult crossing guard allows the children to cross."
7D.05	745	746	1	Delete "they shall stand in the roadway to indicate" and insert "their presence in the roadway serves as an easily recognized indication".
7D.05	745	746	2	Insert "When it is necessary to stop traffic" at beginning of first sentence and insert "at an assigned crossing only during assigned duty times" at the end of the first sentence.
7D.05	745	746	3	Delete "(R1-1) and insert "(R1-1b)".
N/A	N/A	746		Insert new Section: "Section 7D.MI06 (Michigan) Student Patrols Guidance: The local school board should authorize student patrols. School authorities should be responsible for organizing, instructing and supervising patrols with assist of local law enforcement. Option: Students patrols may be used to direct and control children at crossings near schools where adequate gaps in traffic occur frequently enough so that gaps do not need to be created. Student patrols may be used to direct and control children at signalized intersections where turning movements are not a problem, and may be used to assist adult crossing guards in the control of children at crossing locations used by large numbers of children . Standard: Per Michigan statute, student patrols shall not be responsible for directing vehicular traffic. They shall not function as uniformed law enforcement officers or adult crossing guards."

N/A	N/A	746	<p>Insert new Section: "Section 7D.MI07 (Michigan) Operating Procedures for Student Patrols Guidance: Student patrols control children, not vehicles. They should stop children back of the curb or edge of the roadway to allow them to cross only when there is an adequate gap in traffic. Standard: Because they are not authorized to direct vehicular traffic, student patrols shall not use a STOP paddle."</p>
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	Page	Page	Paragraph	
Part	Number	Number	Number	Change
8A.01	747	747	5	Delete paragraph 05 and insert roadway authority and the diagnostic study team, jointly determine the need and selection of devices at a highway-rail grade crossing. The diagnostic study team is a group of knowledgeable individuals from the Michigan Department of Transportation, road authorities, railroads, and others who meet and, using crossing safety management principles, evaluate conditions at proposed or existing crossings and assist the department in making determinations concerning safety needs. The duties and responsibilities of the diagnostic team are prescribed per Michigan State Statute 462.301." "The
8A.01	747	747	5	After paragraph 05 insert "462.301 Grade crossings; diagnostic study team review; notice; decision; order; consensus during review not reached." Insert MCL 462.301
8A.01	N/A	747	5	After paragraph 05 insert ""Private crossing" means any at-grade intersection of a railroad with any traveled way not under the jurisdiction of a road authority."
8A.03	748	748	4	Delete "Uniform" and insert "Michigan".
8B.02	752	752		Table 8B-1 Add "Stop On Red Signal R15-5 Section 8B.MI30 24 x 24" Change existing R15-5 to R15-5b
8B.02	753	753		Figure 8B-1 Change existing R15-5 to R15-5b
8B.04	754	754		Figure 8B-2 Delete "See Notes 2, 3 and 4" and insert "See Notes 2 and 3".
8B.04	755	755		Figure 8B-3 Insert "Optional" prior to "2-inch red retroreflective strip on front"
8B.04	755-756	755-756		Figure 8B-3 Remove all sign offset distances from the four drawings.
8B.06	758	758	1	Delete "Highway-Rail" in first line.
8B.07	759	759		Delete "Highway-Rail" in title.
8B.07	759	759	1	Delete "law or regulation" and insert "the Michigan Department of Transportation"
8B.07	759	759	1	Insert "industrial or spur line" before "grade crossing".
8B.07	760	760	3	Delete paragraph 03 and insert "These supplemental signs inform drivers of vehicles transporting 16 or more passengers, vehicles carrying passengers for hire, or vehicles marked or placarded under 49 C.F.R. parts 100 to 180 that a stop is not required at industrial or spur line highway-rail grade crossings, except when a train, locomotive, or other railroad equipment is approaching or occupying the highway-rail grade crossing, or the driver's view is blocked as per Section 257.669 of the "Michigan Vehicle Code." Per Michigan State Statute 257.1857 the driver of a school bus shall stop unless directed by law enforcement or traffic signal, or if the crossing is abandoned."
8B.09	760	760	1 & 2	Show paragraphs 01 & 02 in italics.

8B.22	763	763	1	Delete "sign" in first line.
N/A	N/A	768		<p>Insert</p> <p>"Section 8B.MI30 (Michigan) Stop On Red Signal Sign (R15-5) Standard:</p> <p>The STOP ON RED SIGNAL sign shall be placed on the flashing light signals support as part of the active traffic control system (see Chapter 8D).</p> <p>No border shall be used on the STOP ON RED SIGNAL sign.</p> <p>Support:</p> <p>The placement of the STOP ON RED SIGNAL sign is required per Michigan State Statute 462.315(4)."</p>
8C.01	769	769	4	Delete "'Uniform Vehicle Code" (see Sections 11-701 and 11-703 of the UVC), which is available from the National Committee on Uniform Traffic Laws and Ordinances (see Page i for the address)." and insert "Section 257.667 of the "Michigan Vehicle Code.""
8C.02	770	770		Revise Figure 8C-1 to include Stop On Red Signal (R15-5) sign.
8C.02	771	771	2	Insert "STOP ON RED SIGNAL (R15-5) sign" after "standard Crossbuck (R15-1) sign,".
8C.08	775	775	3	Delete paragraph 03 and insert
8C.08	775	775	4	"Flashing-light signals shall operate not less than 20 seconds or more than 60 seconds before the arrival of any train at the crossing and continue until the train has passed the far side of the roadway per Michigan State Statute 462.315(4). "
8C.09	777	777	15	<p>At end of paragraph 15 insert</p> <p>"Placement of NO TURN ON RED signs shall be per Sections 2B.54 and 4D.34."</p>

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9A.05	789	789	1	Delete ""The Uniform Vehicle Code and Model Traffic Ordinance" published by the National Committee on Uniform Traffic Laws and Ordinances" and insert "Michigan Vehicle Code".
9A.07	789	789	1	Delete "The introduction to this Manual" and insert "Paragraph 1 of Section 1A.13".
9B.02	791	791		Table 9B-1 Delete all reference to R4-11 sign
9B.02	793	793		Figure 9B-2 Delete all reference to R4-11 sign
9B.06	794	794		Delete section. Insert "Bicycles May Use Full Lane Sign (R4-11) not applicable in Michigan per Section 257.660a of the "Michigan Vehicle Code"."
9B.21	800	800		Figure 9B-4 Add note at bottom "See Michigan SHS for specific sign code for appropriate color of M series sign.".
9C.03	806	806	4	Delete "Figure 9C-2" and insert "Figure 9C-8".
9C.04	809-810	809-810	14	Move Paragraph 14 after Paragraph 09 and renumber as 09A. Insert "Guidance:" prior to Paragraph 10.
9C.07	810	810	7	Delete paragraph 07
9C.06	815	815		Figure 9C-8 Delete "Pier, abutment" and insert "Drain".

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App A2	A2-1			Table A2-4 Delete "010" and insert "10". Delete row showing 65 mph to 110 km/h.