

CHANGE LIST FOR:

MDOT Traffic and Safety, Work Zones, Maintaining Traffic Typicals

Located at <http://mdotwas1.mdot.state.mi.us/public/tands/plans.cfm>

June 30, 2021: Typical 103-GEN-SIGN has been updated with new signs, W20-15c and W20-15d, emergency pull off signs.

June 25, 2021: Maintenance Typicals 4111A-M-TR-NFW-2L-RUM and 4111B-M-TR-NFW-2L-RUM have been added. These are two-lane, two-way traffic regulator typicals with rumble strips.

June 4, 2021: An old to new typical list has been uploaded. Typicals with shifts have been updated so that the dimensions are clear and in alignment. Maintaining traffic typicals, 127-NFW-SHIFT-0LC, 131-CLT-1(L)LC-SHIFT, 132-CLT-1(R)LC-SHIFT, 133-CLT-1LC-(L), 136-CLT-SHIFT-(R+L), 138-CLT-SHIFT-2(R), 140-CLT-PARK-LANE, 150-CLT(7)-2(R+L)LC-2(R)SHIFT, 152-CLT(7)-3(1R+2L)LC-2(L)SHIFT, 153-CLT(7)-3(2R+1L)LC-1(L)SHIFT, 342-SP-ZIP-1LC-(L)-SHIFT, 345-SP-ZIP-1LC-SHIFT-PCMS, 350-SP-GORE-1LC-(L), 351-SP-GORE-2LC-(L), and 352-SP-GORE(4)-2LC-(L) have been updated.

May 24, 2021: The Zipper Merge typicals with shifts, 342-SP-ZIP-1LC-(L)-SHIFT and 345-SP-ZIP-1LC-SHIFT-PCMS have been updated so that the shifting distance is clearly depicted.

May 19, 2021: Typical 103-GEN-SIGN has been updated with a new sign, R5-18h, "DO NOT FOLLOW TRUCKS INTO WORK ZONE"

May 13, 2021: All typicals have been renamed to "Maintaining Traffic Typicals." The complete set of typicals have been updated. Typicals 311, and 312 (crossover closure typicals), have been added.

May 5, 2021: Individual Typicals, have been updated to include the addition of note S11 for W1-6 placement on shifts and note S12 for speed limit placement. Typical 103-SIGN has been updated with additional sign sizes. The compiled typicals pages will be updated soon with additional crossover closure typicals.

April 2, 2021: Typical Sign Calculation sheet was updated with additional pages for the Maintenance and Survey Typicals.

February 8, 2021: Typical 207-FW-2LC-(R) was corrected to show W4-2R signs instead of the incorrect W4-2L signs.

February 8, 2021: Older files located near the top of the page were renamed so that they appear along side the older traffic control typicals. These include the old cross reference files, zip folders of traffic control typicals, the combined dgn file, index, and border sheet.

January 12, 2021: The following updates were made to the website:

Typicals 100-GEN-KEY and 107-GEN-SPEED have been updated. 100-GEN-KEY now details the meanings of the numbers for the typicals. 107-GEN-SPEED's 75 to 45 MPH now use the whitepaper guidance for setting speed limits directly from 75 MPH to 60 MPH and 75 MPH to 45 MPH where workers present.

November 24, 2020: The following updates were made to the website:

New typicals have been added, replacing the M-Series typicals. Maintenance and survey typicals have are now located here. A sign calculation excel sheet has been added.

M0090a-M1910a, M2500a, M2510a, M2800a-M2804a: *Dated: 10/12*

These typicals have been revised in order to update note #5 and note #7 if applicable. Note #5 now states that lighted type III barricades shall be used for overnight closures. Note #7 now references the current edition of the Michigan Manual on Uniform Traffic Control Devices.

November 18, 2008: The following updates were made to the website:

M0300a, M0310a, M0320a, M0400a, M0410a, M0420a, M0430a, M0440a, M0450, M0460A, M0470a, M0480a, M0490a, M0500a, M0a510, M0640a, M0650a, M0660a, M0670a, M0680a, M0690a, M0700a, M0710a, M0720a Dated 10/01/2008

"These typicals have been revised to increase a "D" distance to a "2D" distance between the last sign in advance of the taper and the taper. This increase is necessary to provide contractors adequate room to perform traffic shifts during stage changes."

September 22, 2008: The following updates were made to the website:

Added five new non-fwy maintaining traffic typicals: M2800a, M2801a, M2802a, M2803a and M2804a. They are to be used at intersections for traffic signal work.

August 18, 2008: The following updates were made to the website:

Added three new non-fwy maintaining traffic typicals (M0231a, M0232a and M0233a). They have been developed for three-lane roadways where one lane is required to be closed.

July 22, 2008: The following updates were made to the website:

Added new FWY Maintaining Traffic Typical M2500a and M2510a (developed 03/07/2008). They are to be used for a traffic stoppage on a divided highway or freeway. The new typicals were needed to assist with the installation of overhead signs over highways. These two typicals are two situations most called for in construction.

Updated FWY Maintaining Traffic cover sheet (full set) to reflect new typicals M2500a and M2510a.

October 4, 2007: Maintaining Traffic Typicals NON-FWY (M0040a thru M0900a) and FWY (M0910a thru M1910a). The following update was made to the web site:

The existing full-sets have been replaced by the updated full-sets previously labeled 12-07. All individual pdf and dgn files have been updated also.

- All the current files are effective for the December 2007 Letting and later.

September 24, 2007: Maintaining Traffic Typicals NON-FWY (M0040a thru M0900a) and FWY (M0910a thru M1910a) affected by the following changes were updated:

- These changes (in full sets only, labeled 12-07) are effective for December 2007 Letting and later.

- Use existing Maintaining Traffic Typicals for lettings before December.

- Individual files, and full sets, will be updated to the December 2007 letting after 10-3-07.

Remove "flasher symbols" from diamond warning signs.

Remove "Type A Warning Flasher (Required) note" from key.

Change "Note 6" to: "WHEN CALLED FOR IN THE FHWA ACCEPTANCE LETTER FOR THE SIGN SYSTEM SELECTED, THE TYPE A WARNING FLASHER, SHOWN ON THE WARNING SIGNS, SHALL BE POSITIONED ON THE SIDE OF THE SIGN NEAREST THE ROADWAY."

May 21, 2007: **Temporary Traffic Control for Construction Areas English Typicals Index** (mdot_mt_index)

Under **Miscellaneous**, Ground Driven Sign Supports for Temporary Signs, the typical name was corrected to WZD100-A.

May 10, 2007: The following update was made to the web site:

0-MT-INDEX:

Updated Maintaining Traffic Typical index.

April 19, 2007: The following update was made to the web site:

M0310a:

on sheet 2 of 3, W4-2L was changed to W4-2R

October 24, 2006: The Freeway Maintaining Traffic Typicals (M0910-M1910) were loaded to the Traffic and Safety web site.

These revised typicals have been renumbered using the new four digit numbering system. A cross reference between the old typical numbers and the new typical numbers is included in the full set of typicals. The cross reference is also posted individually.

"WHERE WORKERS PRESENT" speed limit requirements were added to the signing sequences.

Sign nomenclature was revised to agree with Part VI of the MMUTCD and department traffic sign standards.

September 8, 2006: The Non-Freeway Maintaining Traffic Typicals (M0010-M0900) were loaded to the Traffic and Safety web site.

Please note that all these updated Typicals have been renamed using the new 4 digit numbering system. Several OLD-Freeway typicals will be interspersed with the NEW-Non-Freeway typicals until the Freeway files are loaded to the Web. A cross reference between the old typical numbers and the new typical numbers is included in the full set of typicals. The cross reference is also posted individually.

"WHERE WORKERS PRESENT" speed limit requirements were added to the signing sequences.

Sign nomenclature was revised to agree with Part VI of the MMUTCD and department traffic sign standards.

August 31, 2006: The following update was made to the web site.

M000ae: Revised and renamed to WZD-100-A and relocated to the WORK ZONE DEVICES subcategory.

February 23, 2006: The entire existing set of Maintaining Traffic Typicals, along with numerous new drawings depicting various choices in speed limit step downs, have been updated and put on the Traffic and Safety web site. The main issues that prompted these revisions/additions to the Typicals are as follows:

- . Signing changes required in the new Part 6 which took effect October 1, 2005.

- . Quantity changes required as a result of those signing changes.

- . New drawings for all freeway versions reflecting double and triple step down in speed limits.

- . New drawings for Temporary Signal sequence, Yield to Oncoming Traffic sequence and some ramp sequences reflecting advisory speed reductions.

- . Note changes necessitated by NCHRP 350 requirements.

- . Note changes necessitated by the new "Where Workers Present" speed limit signing policy in order to maintain a consistent approach throughout all the drawings.

- . General housekeeping

April 26, 2005: The following revision was made to the web site.

M899e: Revised the Speed Limit to 70 MPH on the signs as you leave the work zone. (REV. date of 04/26/05). This revised typical was attached to this listserv and is effective immediately.

April 25, 2005: The following documents were added to the web site: Procedure for revision/implementation on Work Zone Speed Limits for 2005, Sample Temporary Traffic Control Order, M898e, M899e, M900e, and M901e.

Effective May 4, 2005, MDOT is required to be in substantial compliance with the above mentioned procedure for Revision/Implementation on Work Zone Speed Limits for 2005. Existing projects currently in place are required to be revised to meet the new speed limit requirements, meeting sign spacing requirements as shown in the sample traffic control typicals. This will require resetting most advance work zone signing. Any project not yet let, needs to also meet these requirements.

Questions can be directed to following individuals based on where the subject project is located.

University, Bay and Metro Regions: Bruce Munroe - (517) 335-2856
Superior, North, Grand and Southwest Regions: Brian Zimmerman –
(517) 242-7366

March 16, 2005: The following update was made to the web site.
M000ae: Added label "SIGN PANEL" to page 8.

February 22, 2005: The following update was made to the web site.
M000ae: Revised to include Spacer Detail.

June 10, 2004: Inconsistencies in the Maintaining Traffic Typical postings have been found and corrected. Please note that the following English Maintaining Traffic Typical have been updated in the English full-set so that they match the individual copies of the typical.

M001ae, M001be-M001fe, M003e, M004e, M018e, M020e, M022e

The dates of the individual typicals, listed above, have also been updated. However the dates on the drawings are from January, February, and March of 2004.

May 28, 2004: All remaining Maintaining Traffic Typicals have been updated to include the new work zone begins signing. The English full set - M000e-M115e is now on the Traffic and Safety website. These typicals are also now available individually in the new version at the same location. THE PREVIOUS VERSION of these typicals that DID NOT include the new "WORK ZONE BEGINS" signing have been removed from the website in both the full set and individually and will NO LONGER BE AVAILABLE.

April 26, 2004: The following Maintaining Traffic Typicals have been updated with the new "WORK ZONE BEGINS" signing along with quantity changes, updates to the notes and other miscellaneous changes.

M050e-M054e, M056e-M065e, M067e-M071e, and M078e-M085e

March 2, 2004: Maintaining Traffic Typicals M002e-M008e, M017e- M022e, and M024-M025 have been revised by adding an additional note, # 3a, on the note sheet for each of these typicals.

February 27, 2004: Maintaining Traffic Typicals M000e - M025e have been updated with "WORK ZONE BEGINS" signing.

The 1st 25 typicals (M000e - M025e) have been updated to reflect the legislative changes that are going into effect April 8, 2004. The changes on these typicals include, but are not limited to: the addition of "WORK ZONE BEGINS" signs, "END ROAD WORK" signs, and additional "SPEED LIMIT" signs required in ALL work zones, changes in square footage, notes added to reflect NCHRP 350 requirements and required use of one of the lead in sequences M001ae - M001fe, redimensioning, etc.

These typicals are in their own file. We will continue to add typicals to this file as we complete them. When we have completed all 115 typicals with these new requirements we will replace the existing ones. The Regions and designers should begin using the new typicals immediately as they become available.

January, 29, 2004: The following Maintaining Traffic Typicals (English Version) have been updated on the web:

M084e through M115e

Revisions include, but are not limited, to the following:

- Several additional Traffic Movement arrows were added
- R5-18 signs were removed

Please note that the new border reference file (maintbrbr.tsx) is now used on all English Maintaining Traffic Typicals. The Metric versions continue to use the old reference file (available to download as maintbrbr.tsx.old, remove ".old" to use).

This completes the extensive revisions to the English Maintaining Traffic Typicals at this time. These Typicals may be updated again in the upcoming months to be in compliance with new laws recently passed by the Michigan Legislature.

December 18, 2003: The following listserv message was sent concerning the Maintaining Traffic Typicals.

If you use the "dgn" files for the Maintaining Traffic Typicals, please note the following:

All "English" Maintaining Traffic "dgn" files use a border reference file called maintbrbr.tsx, this file has been updated and is to be used ONLY on the newly updated Typicals. The old border reference file is still available on the web, and is included in the mtdgne.zip file of all the dgn files. This old border file is named maintbrbr.tsx.old; the ".old" must be removed from the filename and be made accessible only to the Maintaining Traffic dgn files that have NOT been updated.

If you have further questions on the use of the border reference files, please contact Dave Korman at 517-335-5993.

Mid December 2003: The following Maintaining Traffic Typical (English Version) have been updated on the web:

M051 through M054, M056 through M065, M067 through M071, and M078 through M083

- Several additional Traffic Movement arrows were added
- Several W1-4 & W1-4a signs were added
- R5-18 signs were removed

Please note that M055, M066, and, M072 through M077 are reserved for future use and only the 2nd sheet was added.

Early December 2003: The following Traffic and Safety Maintaining Traffic Typical (English Version) have recently been updated.

M017 through M022 and M024 through M031
Traffic Movement Arrows Were Added.

M032 through M036, M038 through M039, and M043 through M050
R5-18 signs were removed. Several W1-4 and W1-4a signs were added.
Additional Traffic Movement Arrows Were Added.

End of November 2003: The English versions of the following Maintaining Traffic Typical have recently been updated. Changes have been made to include the words "NOT TO SCALE"

M000, M001a, M001b, M001c, M001d, M001e, M001f, M002, M003, M004, M005, M006, M007, and M008.

Late November 2003: The English versions of the following Maintaining Traffic Typical have recently been updated. Changes have been made to the approach signing and R5-18 signs have been removed on all these documents.

M017, M018, M019, M020, M021, M022, M024, M025, M026, M027, M028, M029, M030, and M031

Mid November 2003: The English versions of the following Maintaining Traffic Typicals have recently been updated. Changes have been made to the approach signing and R5-18 signs have been removed on all these documents.

M000, M001a, M001b, M001c, M001d, M001e, M001f, M002, M003, M004, M005, M006, M007, and M008.