



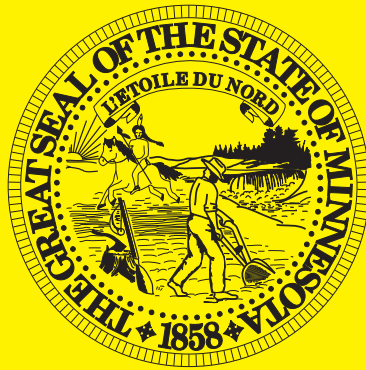
**Minnesota Manual
on
Uniform Traffic
Control Devices**

MN

MUTCD

January 2018

**MINNESOTA
MANUAL
ON
UNIFORM
TRAFFIC
CONTROL
DEVICES**



**MN
MUTCD**

January 2018



Office of Traffic, Safety, and Technology
1500 West County Road B2 – MS 725
Roseville, MN 55113

January 31, 2018

To: Holders of the 2011 Minnesota Manual of Uniform Traffic Control Devices

Transmitted herewith is Revision Number 5 (dated January 30, 2018) to the "2011 Minnesota Manual on Uniform Traffic Control Devices" (2011 MN MUTCD) as adopted by the Commissioner of the Minnesota Department of Transportation (MnDOT). The attached pages to the 2011 MN MUTCD incorporate changes or corrections brought about by changes in the FHWA MUTCD and Minnesota practices or procedures.

All revised pages are attached herewith and shall replace corresponding pages in this manual. The attached Commissioner's Order No. 97233 amends Commissioner's Orders 94040, 93799, 93167 and 92452. It is important to retain all Orders because they amend but do not replace previous Orders.

The 2011 MN MUTCD including Revision Numbers 1, 2, 3, 4, and 5 is available on the MnDOT website at <http://www.dot.state.mn.us/trafficeng/publ/mutcd/index.html>. This manual will be updated annually, typically near the beginning of each calendar year. The latest version will be available on the website after it has been adopted by the Commissioner of Transportation.

MnDOT no longer maintains a mailing list for printed updates to this manual. Users of the manual must fill out the "Updates Notification Form" found on the website above under "Quick Links." When an update/revision is made to the manual, an email will be sent out advising users to visit the website. The user must then download and print the revised pages and insert them into the printed version of their 2011 MN MUTCD.

To purchase additional copies of this manual or other State of Minnesota manuals call the MnDOT Map & Manual Sales Unit at 651-366-3017 for current costs and ordering information. They are located at the following address:

MnDOT Map & Manual Sales Unit
395 John Ireland Blvd. - MS 260
St. Paul, Minnesota 55155-1899

Comments regarding the content of the 2011 MN MUTCD should be referred to Janelle Anderson, MnDOT, Office of Traffic, Safety and Technology, phone (651) 234-7388, email address: janelle.anderson@state.mn.us.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Jay Hieptas', written over a light blue horizontal line.

Jay Hieptas, PE
State Traffic Engineer

Equal Opportunity Employer

**REVISIONS TO THE
2011 MINNESOTA UNIFORM TRAFFIC CONTROL DEVICES MANUAL
ORDER NO. 97233**

This is the fifth order revising the 2011 Minnesota Manual on Uniform Traffic Control Devices (2011 MN MUTCD).

By Order number 92452 dated December 15, 2011 and published in the State Register of December 26, 2011, the Commissioner of Transportation (Commissioner) has adopted the 2011 MN MUTCD establishing a uniform system of traffic control devices for streets and highways of the State of Minnesota as required by Minnesota Statutes, Section 169.06, Subdivision 1 (2011). The 2011 MN MUTCD correlates with and so far as possible conforms to the current system as approved by the American Association of State Highway Officials and the national Manual on Uniform Traffic Control Devices (Federal MUTCD). (Minn. Stat. § 169.06, subd. 1 (2011); Federal Highway Administration, 23 C.F.R. § 655.603 (2011).)

The Commissioner adopted revisions and changes to the 2011 MN MUTCD by Order numbers:

- 1) 93167 dated July 12, 2012 published in the State Register of July 23, 2012;
- 2) 93799 dated July 8, 2013 published in the State Register of August 5, 2013;
- 3) 94040 dated December 11, 2013 published in the State Register of December 16, 2013;
- 4) 94687 dated February 10, 2015 published in the State Register of February 17, 2015, 94687 revised April 1, 2015 published in the State Register of April 13, 2015.

A multi-agency committee has reviewed the changes in the 2009 Federal MUTCD and recommended further revisions and additions.

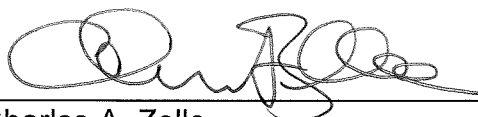
Pursuant to Minnesota Statutes, Section 169.06, subd. 1 (2011), and 169.215, subd. 2 (2011), the Commissioner hereby adopts the revisions listed below:

Record of Revisions or Additions to the MN MUTCD

<u>Revision Number</u>	<u>Date Issued</u>	<u>Pages Revised or Added</u>
5	<u>1-30-18</u>	Chapter 6K (the Field Manual) in its entirety.

This Order revises Commissioner's Order number 92452, dated December 15, 2011 as revised by Commissioner's Orders numbers 93167 dated July 12, 2012, 93799 dated July 8, 2013, 94040 dated December 11, 2013, 94687 dated February 10, 2015, and 94687 revised dated April 1, 2015.

Signed this 30 day of January 2018.



Charles A. Zelle
Commissioner of Transportation

**REVISIONS TO THE
2011 MINNESOTA UNIFORM TRAFFIC CONTROL DEVICES MANUAL
ORDER NO. 94687**

**(This is a republication of the Commissioner's Order dated February 10, 2015
revising the record of revisions and additions)**

This is the fourth order revising the 2011 Minnesota Manual on Uniform Traffic Control Devices (2011 MN MUTCD).

By Order number 92452 dated December 15, 2011 and published in the State Register of December 26, 2011, the Commissioner of Transportation (Commissioner) has adopted the 2011 MN MUTCD establishing a uniform system of traffic control devices for streets and highways of the State of Minnesota as required by Minnesota Statutes, Section 169.06, Subdivision 1 (2011). The 2011 MN MUTCD correlates with and so far as possible conforms to the current system as approved by the American Association of State Highway Officials and the national Manual on Uniform Traffic Control Devices (Federal MUTCD). (Minn. Stat. § 169.06, subd. 1 (2011); Federal Highway Administration, 23 C.F.R. § 655.603 (2011).)

The Commissioner adopted revisions and changes to the 2011 MN MUTCD by Order numbers:

93167 dated July 12, 2012 published in the State Register of July 23, 2012,
93799 dated July 8, 2013 published in the State Register of August 5, 2013, and
94040 dated December 11, 2013 published in the State Register December 16, 2013.

A multi-agency committee has reviewed the changes in the 2009 Federal MUTCD and recommended further revisions and additions.

Pursuant to Minnesota Statutes, Section 169.06, subd. 1 (2011), and 169.215, subd. 2 (2011), the Commissioner hereby adopts the revisions listed below:

Record of Revisions or Additions to the MN MUTCD

<u>Revision Number</u>	<u>Date Issued</u>	<u>Pages Revised or Added</u>
4	4/1/2015	v, ix, 2C-i, 2C-iii, 2C-5, 2C-23, 3A-i, 3A-iii, 3B-8, 3B-10, 3B-11, 3B-14, 3B-36, 6A-iii, 6A-v, 6A-vi, 6C-6, 6F-20, Chapter 6H (Speed Limits in Temporary Traffic Control Zones) in its entirety.

This Order revises Commissioner's Order number 92452, dated December 15, 2011 as revised by Commissioner's Orders numbers 93167 dated July 12, 2012, 93799 dated July 8, 2013, and 94040 dated December 11, 2013.

Signed this 1st day of April, 2015.

A handwritten signature in black ink, appearing to read "Charles A. Zelle". The signature is fluid and cursive, with the first name "Charles" being more prominent than the last name "Zelle".

Charles A. Zelle
Commissioner of Transportation

**REVISIONS TO THE
2011 MINNESOTA UNIFORM TRAFFIC CONTROL DEVICES MANUAL**

ORDER NO. 94687

This is the fourth order revising the 2011 Minnesota Manual on Uniform Traffic Control Devices (2011 MN MUTCD).

By Order number 92452 dated December 15, 2011 and published in the State Register of December 26, 2011, the Commissioner of Transportation (Commissioner) adopted the 2011 MN MUTCD establishing a uniform system of traffic control devices for streets and highways of the State of Minnesota as required by Minnesota Statutes, Section 169.06, Subdivision 1 (2011). The 2011 MN MUTCD correlates with and so far as possible conforms to the current system as approved by the American Association of State Highway Officials and the national Manual on Uniform Traffic Control Devices (Federal MUTCD). (Minn. Stat. § 169.06, subd. 1 (2014); Federal Highway Administration, 23 C.F.R. § 655.603 (2014).)

The Commissioner adopted revisions and changes to the 2011 MN MUTCD by Order numbers:

93167 dated July 12, 2012 published in the State Register of July 23, 2012,
93799 dated July 8, 2013 published in the State Register of August 5, 2013, and
94040 dated December 11, 2013 published in the State Register of December 16, 2013.

A multi-agency committee has reviewed the changes in the 2009 Federal MUTCD and recommended further revisions and additions.

Pursuant to Minnesota Statutes, Section 169.06, subd. 1 (2014), and 169.215, subd. 2 (2014), the Commissioner hereby adopts the revisions listed below:

Record of Revisions or Additions to the MN MUTCD

<u>Revision Number</u>	<u>Date Issued</u>	<u>Pages Revised or Added</u>
4	02/10/15	2C-5, 2C-23, 3B-8, 3-10, 3B-11, 3B-14, 3-36, 6C-6, 6F-20, Chapter 6H (Speed Limits in Temporary Traffic Control Zones) in its entirety.

This Order revises Commissioner's Order number 92452, dated December 15, 2011 as revised by Commissioner's Orders numbers 93167 dated July 12, 2012, 93799 dated July 8, 2013, and 94040 dated December 11, 2013.

Signed this 10th day of February 2015.



Charles A. Zelle
Commissioner of Transportation

REVISIONS TO THE 2011 MINNESOTA UNIFORM TRAFFIC CONTROL DEVICES MANUAL ORDER NO. 94040

This is the third order revising the 2011 Minnesota Uniform Traffic Control Devices Manual (2011 MN MUTCD).

By Order number 92452 dated December 15, 2011 and published in the State Register of December 26, 2011, the Commissioner of Transportation (Commissioner) has adopted the 2011 MN MUTCD establishing a uniform system of traffic control devices for streets and highways of the State of Minnesota as required by Minnesota Statutes, Section 169.06, Subdivision 1 (2011). The 2011 MN MUTCD correlates with and so far as possible conforms to the current system as approved by the American Association of State Highway Officials and the national Manual on Uniform Traffic Control Devices (Federal MUTCD). (Minn. Stat. § 169.06, subd. 1 (2011); Federal Highway Administration, 23 C.F.R. § 655.603 (2011).)

The Commissioner adopted revisions and changes to the 2011 MN MUTCD by Order numbers:

93167 dated July 12, 2012 published in the State Register of July 23, 2012, and
93799 dated July 18, 2013 published in the State Register of August 5, 2013.

A multi-agency committee has reviewed the changes in the 2009 Federal MUTCD and recommended further revisions and additions.

Pursuant to Minnesota Statutes, Section 169.06, subd. 1 (2011), the Commissioner hereby adopts the recommended revisions and additions listed below:

Record of Revisions or Additions to the MN MUTCD

Revision Number	Date Issued	Pages Revised or Added
3	12/11/13	v, ix, 2B-i, 2B-17, 2B-55, 2C-ii, 2C-23, 2C-26 thru 2C-36, 2D-28, 2E-11, 3B-14, 3C-1, 4G-3, 4L-1, 6A-iii thru 6A-vi, 6F-3 thru 6F-5, 6F-14, 6F-17, 6F-19, 6F-20, 6F-40 thru 6F-53, 6G-7, 6J-iii, 6J-2, 6J-4, 6J-5, 6J-7, 6J-8, 6J-10, 6J-11, 6J-14 thru 6J-21, 6J-24a thru 6J-25b, Chapter 6K (<i>the Field Manual</i>) in its entirety, 7B-2, 8B-2, 9B-6, C-3, C-19, C-38, C-39, C-46, C-56 thru C-58, remove Appendix B in its entirety.

This Order revises Commissioner's Order number 92452, dated December 19, 2011 as revised by Commissioner's Order number 93167 dated July 12, 2012 and 93799 dated July 8, 2013.

Signed this 11th day of December 2013.

A handwritten signature in blue ink, appearing to read "Charles A. Zelle". The signature is fluid and cursive, with the first name "Charles" being the most prominent.

Charles A. Zelle
Commissioner of Transportation

**REVISIONS TO THE
2011 MINNESOTA UNIFORM TRAFFIC CONTROL DEVICES MANUAL
ORDER NO. 93799**

The Commissioner of Transportation (Commissioner) has adopted the Minnesota Manual on Uniform Traffic Control Devices (MN MUTCD), dated December 15, 2011 establishing a uniform system of traffic control devices for streets and highways of the State of Minnesota as required by Minnesota Statutes, Section 169.06, Subdivision 1 (2011). Such uniform system shall correlate with and so far as possible conform to the current system as approved by the American Association of State Highway Officials and the national Manual on Uniform Traffic Control Devices (Federal MUTCD). (Minn. Stat. § 169.06, subd. 1 (2011); Federal Highway Administration, 23 C.F.R. § 655.603 (2011).)

A multi-agency committee has recommended the revisions and additions after reviewing changes in the 2009 Federal MUTCD.

Pursuant to Minnesota Statutes, Section 169.06, subd. 1 (2011), the Commissioner hereby adopts the revisions listed below as Record of Revisions or Additions to the MN MUTCD.

This Order revises Commissioner's Order 92452, dated December 15, 2011 as revised by Commissioner's Order 93167 dated July 12, 2012.

Record of Revisions or Additions to the MN MUTCD

Revision Number	Date Issued	Pages Revised or Added
2	6/28/13	ii, v, vii, 2A-4, 2A-18, 2A-19, 2B-2 thru 2B-6, 2B-11, 2B-12, 2B-18, 2B-21, 2B-22, 2B-37, 2B-40, 2B-47, 2B-48, 2B-51, 2B-56, 2B-59, 2C-4, 2C-5, 2C-7, 2C-10, 2C-26, 2C-32, 2D-1, 2D-9, 2D-27, 2D-39, 2E-18, 2E-47, 2E-48, 2E-51, 2G-3, 2G-4, 2H-i, 2H-2, 2H-7 thru 2H-9, 2I-2 thru 2I-4, 2I-7, 2I-10, 2J-1, 2J-4, 2J-6, 2K-1, 2K-5, 2M-i, 2M-1, 2M-2, 2M-9, 2M-12 thru 2M-14, 3B-9, 4D-2, 4D-31, 4D-33, 6F-5, 6J-4, 6J-17, 7A-i, 7B-2, 7B-10, 9B-9, 9B-16, 9B-18, C-1, C-2, C-5, C-13, C-14, C-16 thru C-21, C-24, C-26 thru C-39, C-41 thru C-57, C-59 thru C-61, C-63 thru C-66, C-82 thru C-95, INDEX-9 thru INDEX-16.

This Order revises Commissioner's Order number 92452, dated December 19, 2011 as revised by Commissioner's Order number 93167 dated July 12, 2012.

Signed this 8th day of July 2013.

A handwritten signature in blue ink, appearing to read "Charlie Zelle". The signature is stylized and cursive.

Charlie Zelle
Commissioner of Transportation

**REVISIONS TO THE
2011 MINNESOTA UNIFORM TRAFFIC CONTROL DEVICES MANUAL
ORDER NO. 93167**

The Commissioner of Transportation (Commissioner) has adopted the Minnesota Manual on Uniform Traffic Control Devices (MN MUTCD), dated December 15, 2011 establishing a uniform system of traffic control devices for streets and highways of the State of Minnesota as required by Minnesota Statutes, Section 169.06, Subdivision 1 (2011). Such uniform system shall correlate with and so far as possible conform to the current system as approved by the American Association of State Highway Officials and the national Manual on Uniform Traffic Control Devices (Federal MUTCD). (Minn. Stat. § 169.06, subd. 1 (2011); Federal Highway Administration, 23 C.F.R. § 655.603 (2011).)

A multi-agency committee has recommended the revisions and additions after reviewing changes in the 2009 Federal MUTCD.

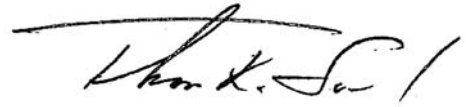
Pursuant to Minnesota Statutes, Section 169.06, subd. 1 (2011), the Commissioner hereby adopts the revisions listed below as Record of Revisions or Additions to the MN MUTCD.

This Order revises Commissioner's Order 92452, dated December 15, 2011.

Record of Revisions or Additions to the MN MUTCD

Revision Number	Date Issued	Pages Revised or Added
1	7/15/12	v, viii, ix, 1A-4, 1A-28, 1A-29, 2A-i, 2A-5, 2A-18, 2B-1 thru 2B-6, 2B-8, 2B-11, 2B-15, 2B-34, 2B-35, 2B-38, 2B-41, 2B-45, 2B-46, 2B-51, 2B-53, 2B-56, 2B-57, 2C-3 thru 2C-5, 2C-11, 2C-13, 2C-17, 2C-18, 2C-20, 2C-21, 2C-24 thru 2C-28, 2C-30, 2C-34, 2D-23, 2D-27 thru 2D-29, 2E-6, 2E-33, 2E-37, 2E-41, 2E-51, 2F-6, 2G-2, 2G-11, 2G-16, 2I-2, 2I-5, 2I-9 thru 2I-11, 2I-13, 2J-5, 2M-1, 2M-2, 2M-9, 2M-15, 2N-2, 3B-27, 3B-35, 4D-1, 4D-39, 4D-46, 4E-3, 4E-5, 4E-6, 4F-3, 5B-2, 5C-2, 5C-3, 6D-1, 6D-2, 6D-4, 6E-1, 6F-3 thru 6F-5, 6F-7, 6F-16, 6F-18, 6F-20, 6F-21, 6F-29, 6F-37, 6F-41, 6F-52, 6G-1, 7A-i, 7B-1, 7B-5, 7B-6, 7B-9, 7B-11, 7C-1, 7D-1, 7E-a thru 7E-21, 8B-1 thru 8B-4, 8B-7 thru 8B-10, 8B-14, 8B-18, 8C-4, 8C-8, 8C-9, 9A-i, 9A-ii, 9B-2 thru 9B4, 9B-6, 9B-9, 9B-18, 9C-1, A2-1, C-1 thru C-10, C-13 thru C-70, C-73 thru C-86.

Dated at St. Paul, Minnesota, this 12th day of June, 2012.

A handwritten signature in black ink, appearing to read "Thomas K. Sorel". The signature is written in a cursive style with a prominent horizontal stroke at the beginning.

Thomas K. Sorel
Commissioner of Transportation

2011 MINNESOTA UNIFORM TRAFFIC CONTROL DEVICES MANUAL ORDER NO. 92452

The Commissioner of Transportation (Commissioner) shall adopt a manual and specifications establishing a uniform system of traffic control devices for streets and highways of the State of Minnesota. Such uniform system shall correlate with and so far as possible conform to the current system as approved by the American Association of State Highway Officials and the national Manual on Uniform Traffic Control Devices (Federal MUTCD). (Minn. Stat. § 169.06, subd. 1 (2008); Federal Highway Administration, 23 C.F.R. § 655.603 (2008).)

A multi-agency committee has reviewed the 2009 Federal MUTCD, FHWA Guidelines on Retroreflective Sheeting Identification, and the 2005 Minnesota Manual on Uniform Traffic Control Devices as revised by Commissioner's Order No. 89453, dated January 2, 2007, 90038 dated February 15, 2008 and 90627 dated March 27, 2009 and recommended adding Appendices and revising or adding text and figures to make provisions for Minnesota Statutes and departmental procedures.

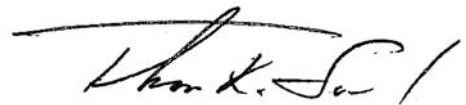
Pursuant to Minnesota Statutes, Section 169.06, subd. 1 (2008), the Commissioner hereby adopts the following as the 2011 Minnesota Manual on Uniform Traffic Control Devices.

- I. Federal MUTCD, 2009 edition (dated January 15, 2010), and List of Known Errors (dated August 17, 2011).
- II. Minnesota Department of Transportation Appendices:
 - A. APPENDIX A1 - Congressional Legislation
 - B. APPENDIX A2 - Metric Conversions
 - C. APPENDIX A3 - Retroreflective Sheeting Identification Guidelines
 - C. APPENDIX B - Warrants, Standards, and Guidelines for Traffic Control Devices used at Senior Citizen and Handicapped Pedestrian Crossings
 - D. APPENDIX C - Sign Listings & Recommended Sizes
- III. State of Minnesota, Department of Transportation, additional sections, revisions, and corrections to the 2009 Federal MUTCD.

It is further ordered that the provisions of the 2011 MN MUTCD shall be implemented and applied to all traffic control devices installed on or after January 1, 2012 upon highways within the State except for those traffic control devices which conform to the 2005 edition of the MN MUTCD with its 3 revisions and are on order or under contract prior to January 1, 2012. All existing traffic control devices or installations not in conformance with standards in the 2011 MN MUTCD shall be changed to conform to the new standards herein when replacement occurs.

This Order supersedes Commissioner's Order No. 88522, dated May 5, 2005 which adopted and prescribed the 2005 Minnesota Manual on Uniform Traffic Control Devices along with Commissioner's Order 89453 dated January 2, 2007, Commissioner's Order 90038 dated February 15, 2008, and as further revised by Commissioner's Order 90627 dated March 26, 2009.

Dated at St. Paul, Minnesota, this 15th day of December, 2011.

A handwritten signature in black ink, appearing to read "Thomas K. Sorel", with a long horizontal stroke above the name.

Thomas K. Sorel
Commissioner of Transportation

Minnesota Manual on Uniform Traffic Control Devices

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