

CHAPTER 7 – TRAFFIC CONTROL

TRAFFIC CONTROL

Traffic control is the practice of using devices such as markers, signs and signal devices to inform, guide, and control traffic for users including pedestrians, motor vehicle drivers and bicyclists. These devices are usually placed adjacent to, over, or along highway facilities and in other public areas that require traffic control.

7.1 Temporary Traffic Control Zone Layouts Field Manual

For complete information regarding temporary traffic control, please refer to MnDOT’s Temporary Traffic Control Zone Layouts Field Manual.

7.1.1 FIELD MANUAL CONTACTS

To order Field Manuals, contact the following:

ADDRESS: MNDOT MAP AND MANUAL SALES OFFICE
 Transportation Building – Room 110
 395 John Ireland Blvd.
 St. Paul, MN 55155-1899

TELEPHONE: 651-366-3017

WEBSITE: www.dot.state.mn.us/mapsales

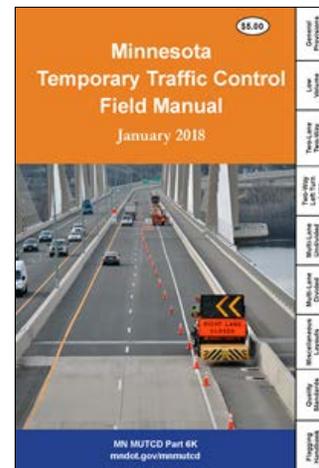


Figure 7-1: Traffic Control Manual

7.1.2 Temporary Signs

Temporary signs may be installed at the work site by the contractor in accordance with the contract documents.

The Temporary Traffic Control Zone Layouts Field Manual provides the standards, guidelines and the legal responsibilities of placing work zone traffic control signs at work sites.

When constructing traffic control signals all correct signs must be in place before the traffic signal is activated. Existing signs and temporary signs that conflict with the new traffic signal must be removed at the time the traffic signal is placed into operation.



Figure 7-2: Temporary Signs

7.1.3 CHECKLIST FOR TEMPORARY TRAFFIC CONTROL ZONE

A checklist for establishing a temporary traffic control zone is presented in Figure 7-3. This checklist is from the Temporary Traffic Control Field Manual.

CHECKLIST FOR ESTABLISHING A TEMPORARY TRAFFIC CONTROL ZONE	
COMPLETED	ITEM
<input type="checkbox"/>	Obtain permit from governing road authority.
<input type="checkbox"/>	Determine the type of roadway
<input type="checkbox"/>	Determine the type of work space
<input type="checkbox"/>	Determine the duration of work.
<input type="checkbox"/>	Select hours of work to avoid peak periods.
<input type="checkbox"/>	Select the appropriate layout(s) using type of roadway, type of work, duration, traffic volume, speed and impact on pedestrian and bicycle travel. (See the appropriate Index Chart at the start of each section)
<input type="checkbox"/>	Determine any modifications to typical layout(s). (See the Enhancement of the TTC Layouts on page 6K-x)
<input type="checkbox"/>	Check decision sight distance.
<input type="checkbox"/>	Advance signing distance.
<input type="checkbox"/>	If possible, maintain access to intersections, parking areas, and driveways (public and private).
<input type="checkbox"/>	Allow for buffer space free of obstructions.
<input type="checkbox"/>	Contact the proper road authority if the work zone interferes with normal signal operation in the area.
<input type="checkbox"/>	Check the condition of devices. (See the Quality Standards on pages 6K-87 thru 6K-104)
<input type="checkbox"/>	Install devices beginning with the first device the driver will see.
<input type="checkbox"/>	Conduct a drive thru to check for problems. (See the Enhancement of the TTC Layouts on page 6K-x)
<input type="checkbox"/>	Document temporary traffic control zone, problems and major modifications to the layouts.
<input type="checkbox"/>	Traffic should be observed to see if the taper is working correctly.
<input type="checkbox"/>	Remove the devices as soon as work is completed, beginning with the last device seen by the motorist.

Figure 7-3: Checklist for Temporary Traffic Control Zone

7.1.3 LANE CONTROL MANUAL

When closing lanes in the Twin Cities Metro Area and District 6 consult the Lane Control Manual (LCM) for the district you are working in. The time of day when lanes can actually be closed will be shown in the manual.

The Metro LCM can be found by following the link below.

<http://www.dot.state.mn.us/metro/trafficeng/laneclosure/index.html>

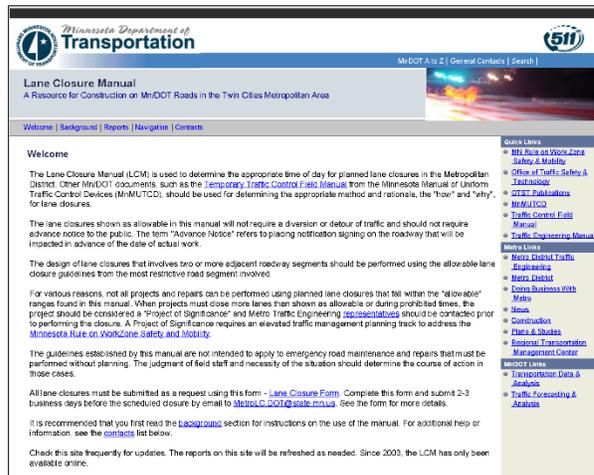


Figure 7-4: Online Metro LCM

The District 6 Allowable Lane Closure Manual Segments can be found by following the link below.

<http://www.dot.state.mn.us/d6/trafficlaneclosuremanual/index.html>

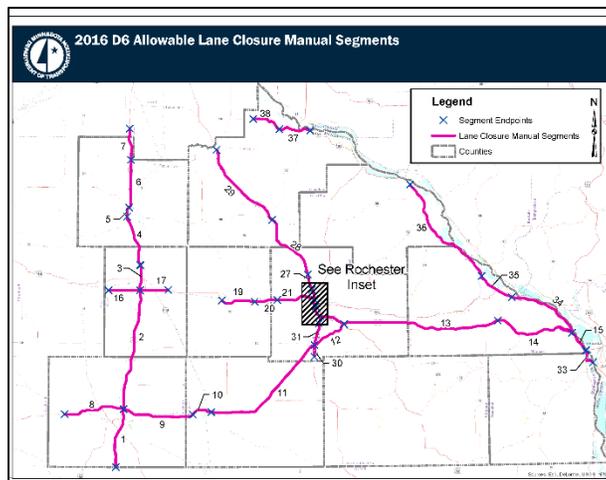


Figure 7-5: Online District 6 ALCMS

7.2 Chapter 7 Resources

- MnDOT also offers Work Zone Safety Training Courses at the following website:
www.dot.state.mn.us/const/wzs/training.html
- MnDOT's Temporary Traffic Control Zone Layouts Field Manual
<http://www.dot.state.mn.us/trafficeng/publ/fieldmanual/>
- Temporary Traffic Control Zone Layouts Field Manual ordering information found at:
www.dot.state.mn.us/mapsales
- Metro Lane Closure Manual
<http://www.dot.state.mn.us/metro/trafficeng/laneclosure/index.html>
- MnDOT also offers Work Zone Safety Training Courses at the following website:
www.dot.state.mn.us/const/wzs/training.html