

TRAFFIC SIGNAL COMMITTEE
Meeting Minutes
January 5, 2005

This document is available online at <http://www.nc-ite.org/trafficsignal.htm>

ATTENDEES

Jerry Kotzenmacher	MnDOT	Roger Plum	S.E.H
Bryant Ficek	Bonestroo	Wayne Sandberg	Washington County
Pete Sorenson	Bolten & Menk	Ray Starr	Mn/DOT
Ben Osemenam	MnDOT	Suzanne Danen	Dakota Co.
Joe Gustafson	Scott Co.	Brandon Bourdan	Kimley - Horn
George Stuempfig	SRF	Nick Erpelding	RLK – Kuusisto
Kristi Sebastian	Dakota Co.		

LOCATION

Dakota County Western Service Center – Apple Valley

HANDOUTS

Chapter 4N Traffic Control Signals for Divided highways
 Protected/Permissive Left Turn Signal placement Diagrams for High Speed

Main Topic – Developing topic list and priorities for 2005 meetings

Topic Ideas were developed by the group. Then priorities were assigned (high, medium or low) based on overall interest in the topic by those in attendance. The list and priorities are:

Topic	Priority
Consideration of Bicycles in Signal Design and Operation	Low
Battery Back-up (Mn/DOT is developing Specifications and planning test locations)	High
National Signal Report Card and Joint Media Release	High
EVP Misuse	High
New Technologies (Including signal indications for ADA)	Low
Bus Priority	Medium
Mn/DOT participation agreements for cabinets (with technology advances)	Medium
Signal Head Placement (esp. for left turns and possibility of modifying phasing)	Medium
Interconnect (material innovations)	High
TS1 Vs. TS 2 Controller Types and Cost of Assembled Cabinets	High
Assessing Use of Temporary Signals (at existing signalized location)	High
Types of Detection (Video and temp. installation)	High

NCITE Signal Committee Meeting Minutes

February 5, 2003

Page 2 of 3

Other Topic Ideas they may be discussed through year but are not main topics include:

Update on left turn signals (4-section head with yellow flash) – Mn/DOT trial

Updates to the Signal Design Manual

Report from the NCITE Technical Meeting in March

Legislative Update on EVP issue

The Signal Committee Chair will develop a topic agenda based on the priorities and when information may be best to discuss based on availability of information. The topic schedule for each month will be placed on the wet site; topics may be revised during the year if subjects take more than one meeting or speakers are available at different times.

MN MUTCD Revisions to Section 4n (Traffic Control Signals For Divided Highways)

Ben Osemenam and Ray Starr provided a handout on the current and proposed revisions to this chapter to bring the chapter into conformity with the structure of the other sections of the manual and clarify some areas. Any questions or revision suggestions to this chapter can be given to Ben O. or Wayne Sandberg who is also a representative on this committee. Copy of the chapter is part of the attached TEO meeting minutes.

TEO UPDATE

Ray Starr read excerpts from the TEO meeting minutes that are of interests to the signal committee. Click here for a copy of the TEO meeting minutes <http://www.dot.state.mn.us/trafficeng/standards/signalnews.html>

ROUND ROBIN

Wayne S. – The ASC 8000 Controllers have a battery for the internal clock, replacement is difficult and requires resoldering. Washington County needs to replace several batteries and inquired with the group if anyone is having similar experiences and if any agency has a maintenance schedule to deal with this issue.

Several Mn/DOT signal classes, including the Signal Design Class offered this February has filled quickly. Discussion revolved around NCITE offering this training so additional people could take it. Jerry noted that the course is typically offered every other year but, Mn/DOT could look at this plan in light of the interest. Anyone that tried to enroll in a signal class recently but, did not get in and is also not on the waiting list should contact Jerry so he can get an estimate of the interest.

Jerry K. – Mn/DOT has developed a detail for head placement for protected/permissive left turns on high-speed roadways. Jerry asked for comments on the detail, which will be inserted in the update of the signal design manual. The revised manual will be completed for the signal design course offered by Mn/DOT in February.

If you have any comments on the proposed detail, please e-mail or call Jerry at (651) 284-3438.

NCITE Signal Committee Meeting Minutes

February 5, 2003

Page 3 of 3

George S. -- Discussed a recent project he was working on for a city that involves a signal revision at an existing Mn/DOT intersection. Discussion revolved around the need for a new cabinet when plans are being developed to utilize the existing with minimal disruption. The question posed was if the existing cabinet could remain to save costs for the agency doing the project with no Mn/Dot cost share. Mn/DOT representative noted they would check into this practice and respond.

Mn/DOT policy for cabinet replacement with projects and minor maintenance practices were discussed.

Joe G. – Discussed situation when Scott County prepared extensive traffic control to switch out an LED at a signal that turned out to be a wiring issue so Mn/DOT needed to be called in.

NEXT MEETING

The next meeting will be:

February 2, 2004

8:00 – 10:00 am

Mn/DOT Waters Edge in Roseville

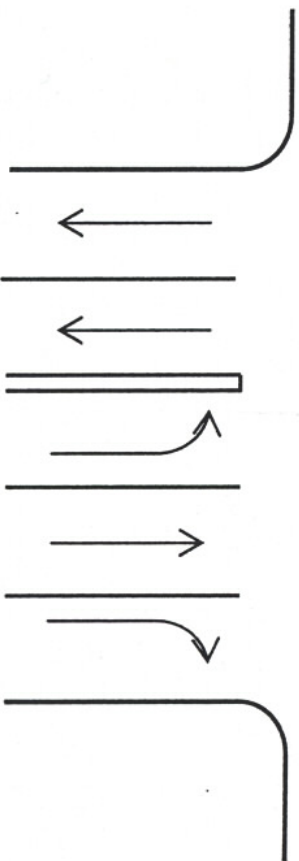
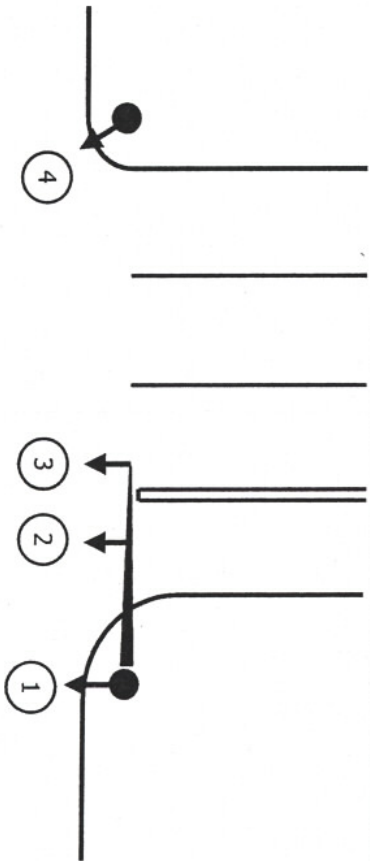
ATTACHMENTS

TEO Committee Minutes

Handouts

PROTECTED/PERMISSIVE LEFT TURN
THREE LANES OF APPROACH (EXCLUSIVE RIGHT)
HIGH SPEED

Fig



NOTE:
OVERHEAD SIGNAL FACE NO. 2 SHOULD BE LOCATED
OVER THE CENTER OF THE THROUGH LANE.

OVERHEAD SIGNAL FACE NO. 3 SHOULD BE LOCATED
8' FROM SIGNAL FACE 2.

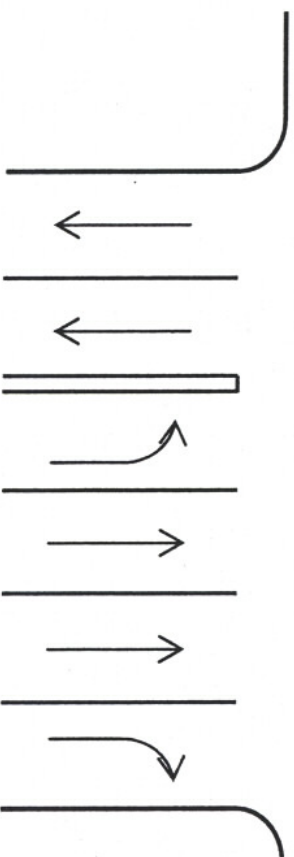
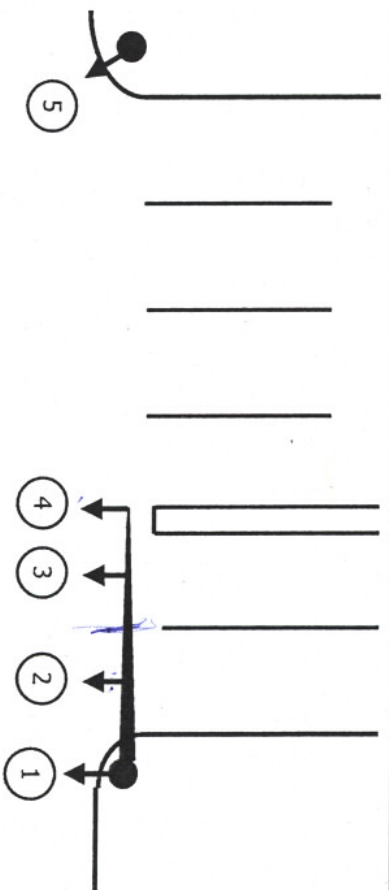
PROTECTED/PERMISSIVE LEFT TURN AT HIGH SPEED
SHOULD MEET GUIDELINES.

SIGNAL FACE
INDICATIONS

- ① R-Y-G
- ② R-Y-G
- ③ R-Y-G-YLTA-GLTA
- ④ R-Y-G-YLTA-GLTA

PROTECTED/PERMISSIVE LEFT TURN
FOUR LANES OF APPROACH
HIGH SPEED

Fig



NOTE:
OVERHEAD SIGNAL FACES 2 & 3 SHALL BE LOCATED
OVER THE CENTERS OF THE THRU APPROACH
LANES.

OVERHEAD SIGNAL FACE NO. 4 SHOULD BE LOCATED
8' FROM SIGNAL FACE 3.

PROTECTED/PERMISSIVE LEFT TURN AT HIGH
SPEEDSHOULD MEET GUIDELINES.

SIGNAL FACE
INDICATIONS

- ① R-Y-G
- ② R-Y-G
- ③ R-Y-G
- ④ R-Y-G-YLTA-GLTA
- ⑤ R-Y-G-YLTA-GLTA