

TRAFFIC SIGNAL COMMITTEE

Meeting Minutes

DATE 12-03-03

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

ATTENDEES

Wayne Sandberg	Washington Co.
Bryant Ficek	Bonestroo
Marc Culver	City of Maple Grove
Ray Starr	MN/DOT - OTSO
Jerry Koztenmacher	MN/DOT - OTSO
Steve Manhart	Howard R. Green
Roger Plum	S.E.H.
Kristi Sebastian	Dakota Co.
George Stumpfig	SRF
Heather Klunitz	SEH
Linda Taylor	MN/DOT – Metro District
Paul Zager	Parsons
Steve Misgen -	MN/DOT – Metro District

LOCATION

MN/DOT – Waters Edge Building
Roseville

MEETING MINUTE CORRECTIONS

None

HANDOUTS

MN/DOTs Corridor Simulation Presentation

WEB LINKS

<http://www.dot.state.mn.us/trafficeng/>
<http://www.itsa.org/itsnews.nsf/key/AF66?OpenDocument>
<http://www.dot.state.mn.us/trafficeng/modeling/index.html>

ROUND ROBIN

Paul Z – is working on Light Rail projects. A blank out sign used on the project is fiber optic. Needed to get a variance for colors that did not comply with current ASHTO sign colors. Light Rail has its own power backup system.

Steve Manhart. – Congratulated new NCITE board members...Mark Culver, Treasure;..... Kristi Sabation, Director;..... Wayne Sandberg, Director.

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Jerry K. - MN/DOT's Office of Traffic, Security and Operations (OTSO) has upcoming Traffic Signal training opportunities scheduled for 2004.

Go to the OTSO home page: <http://www.dot.state.mn.us/trafficeng/>

From the OTSO home page, click on "Traffic Courses". Here you can view "2004 Course Dates" which gives an outline of all MN/DOT traffic signal, signing and lighting related class offerings for 2004.

Also in the "Traffic Courses" location, we have "Traffic Signal Courses". Here you can view the **Traffic Signals 101** and **Traffic Signal Timing & Coordination** course descriptions and registration process. You can also download the course flyer.

Roadway Lighting Design will be offered in 2004. Course description, registration process and course flyer can also be found at the "Traffic Courses" location under "Lighting Design Courses".

Professional Development Hours (PDHs) will be offered for Traffic Signals 101, Traffic Signal Timing & Coordination and Roadway Lighting Design.

In addition to the above classes, MN/DOT's Office of Construction offers the **Traffic Signal & Lighting Certification/Re-certification** course. Course description and registration process can be found at the "Traffic Courses" location under "Technical Certification/Recertification Programs".

Fell free to contact Jerry for more information on any of the MN/DOT traffic signal and lighting related course offerings. 651-284-3438

Kristi S. – MN/DOT design details and pole notes for Frey mount is on the MN/DOT web site.

Pete Sorenson, Dakota County Traffic Engineer, will retire December 5th. His position will remain vacant for four months. Kristi is acting Dakota County Traffic Engineer.

Ray S. – New federal MUTCD is out. Has countdown pedestrian indications outlined. New MN/DOT MMUTCD should be out in a year. There has been demand for countdown peds and should be in the new MMUCTD.

MN/DOT's new spec book is planned for 2005. Any comments on spec book should be addressed at this time.

Test site at St.Paul Park will test how different indications and mounting brackets will look and hold up.

Talked about TRB Study that interviewed 2000 people on their understanding of left turn traffic signal displays.

Go to: <http://www.dot.state.mn.us/trafficeng/standards/signalnews.html>

The study "Drivers Understanding of Protected/Permissive Left Turn Signal Displays" will be posted at this MNDOT OTSO web location.

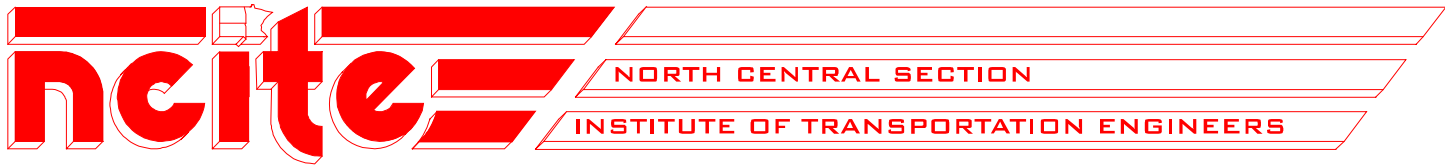
Wayne S. – Bills introduced (Federal) for MERT EVP emitter. See web link:

<http://www.itsa.org/itsnews.nsf/key/AF66?OpenDocument>

Gopher One – Went to Gopher One board meeting to express concerns that agency's have with their new billing policy. Gopher One did not respond well to the concerns and said they were not presented soon enough. The new policy will take January 1st, 2004.

E-mail address for Office of Pipeline Safety for comments on proposed rulemaking.

Dps.mnops.rulecomments@state.mn.us or call Michael McGrath at 651-296-5103



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Linda T. – Gave presentation on the Modeling Web site, <http://www.dot.state.mn.us/trafficeng/modeling/index.html> and workstation located at Waters Edge, Second Floor. See attachment. No cost Modeling workshop set for January 22 – 23 at MN/DOTs Arden Hills Training Center. Contact Linda for more information. 651-634-2126

TEO UPDATE

No meeting since November meeting.

ADVANCED SYNCHRO TRAINING UPDATE

The NCITE SYNCHRO subcommittee will present and recommend the following proposal to the NCITE board.

An advanced SYNCHRO class given by consultants Albeck/Gerkin is set for April 27 and 28, 2004. These two, one-day classes can accommodate up to 48 participants, 24 for each class. Total cost of the class will be \$7425 for a room with computers and lunch. If all 48 slots filled, total cost will be \$155 per participant. It was determined by the Signal Committee that \$155 should be the amount charged for each participant. If the 48 slots are not filled, NCITE will cover the addition unfilled slots.

In a previously held meeting with Albeck/Gerkin, they expressed they could customize the advance course to our specific needs. It is yet to be determined if the committee would like to customize. Managing the slots will be up to the Committee. Committee should be prepared for invoices and tax ID numbers.

OTHER ISSUES

Wayne Sandberg has completed his duties as 2003 Chairman. THANKS WAYNE!

Co-chair Jerry Kotzenmacher (MN/DOT) will now chair the 2004 committee with Bryant Ficek (Bonestroo) filling in as Co-chair.

See our web site for 2004 meeting schedule. This site may not be updated until January 1st, 2004.

<http://www.nc-ite.org/trafficsignal.htm>

NEXT MEETING

DATE

January 7th, 2004
8:00 – 10:00 am

LOCATION

MN/DOT - Golden Valley Office
Conference Room # 3

ATTACHMENTS

Mn/DOT's Modeling Website

Office of Traffic, Security and Operations

TRAFFIC ENGINEERING

CORRIDOR SIMULATION



Linda Taylor
October 2003

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

12/2/03

Introduction

Why was the modeling website created?

- To educate traffic professionals
- To clarify modeling requirement
- To provide resource materials
- To establish a system modeling process
- To provide real-world example
- To facilitate data extraction process

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

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Modeling Website

What Available?

- Federal & Mn/DOT Modeling Requirements
- Advanced CORSIM Manual
- Sample Modeling Project
- Data Extraction Cookbook
- Modeling Resource Materials
- Hotlinks to other Modeling Websites

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

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Glossary of Terms

- IJR – Interstate Justification Request
- IAR – Interstate Access Request
- TSIS – Traffic Software Integrated System
- CORSIM – CORridor SIMulation
- IRIS – Intelligent Roadway Information System
- MIST – Metro Incident Selection Tool
- MOE – Measures of Effectiveness

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

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Federal & State Modeling Requirements

- Federal IAR Requirements
 - HPDP handbook 8 requirements
- FHWA/MN Division IJR Guide
- Mn/DOT's Modeling Guidelines
- CORSIM Calibration Parameters

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

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Advanced CORSIM Manual



- Manual was jointly funded by FHWA, Mn/DOT & Hennepin County
- Developed by SEH
- Operational analysis requiring Mn/DOT & Federal approval
- Lays out the modeling development process

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

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Advanced CORSIM Manual

CORSIM Manual V.11 (Complete 4 MB pdf)	pdf
Other	pdf
Table of Contents Page	pdf
Chapter 1 - Modeling Process	pdf
Chapter 2 - Project Setup	pdf
Chapter 3 - Data Collection	pdf
Chapter 4 - Base Model Process	pdf
Chapter 5 - Organization & Review	pdf
Chapter 6 - Calibration	pdf
Chapter 7 - MOE's & Reports	pdf
Chapter 8 - Alternatives	pdf
Appendix	pdf

- View manual on-line by entire document or chapter
- Ability to download the entire manual

<http://www.dot.state.tx.us/trafficng/modelling/index.html>

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Sample Modeling Project



- Physical Input
- Traffic Demand Data
- Synchro & TSIS Files
- MOE Results

<http://www.dot.state.tx.us/trafficng/modelling/index.html>

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Data Extraction Cookbook



- Developed for external customers
- Facilitate the extraction of system data & information
- Access to in-house programs & database
- View on-line or download document

<http://www.dot.state.tx.us/trafficng/modelling/index.html>

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Modeling Resource Materials



- FHWA Materials
 - Traffic Analysis Tools Primer
 - Decision Support Methodology for Selecting Traffic Analysis Tools
 - Guidelines for Applying Micro-simulation Modeling Software
- Research Papers

<http://www.dot.state.tx.us/trafficng/modelling/index.html>

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Modeling Website Hotlinks



- FHWA Traffic Analysis Tools
- TSIS User Support Website
- Purchasing Information McTrans Center PC TRANS

<http://www.dot.state.tx.us/trafficng/modelling/index.html>

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Modeling Website Summary

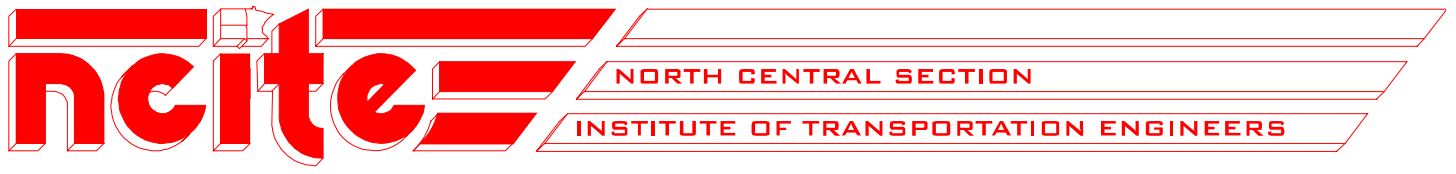
- Modeling Requirements
- Advanced CORSIM Manual
- Sample Modeling Project
- Data Extraction Cookbook
- Resource Materials
- Hotlinks to other Website

Questions???



<http://www.dot.state.tx.us/trafficng/modelling/index.html>

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