

INTERSECTION TRAFFIC CONTROL COMMITTEE Meeting Minutes January 8th, 2014

ATTENDEES

Scott Poska**	SRF	Dean Chamberlain*	WSB
Morgan Abbott	TKDA	John Fahrendorf	WSB
Joe Gustafson	Washington County	Jerry Kotzenmacher	MnDOT
Nick Ollrich	SRF	Molly Stewart	Bolton & Menk
George Stuempfig	SRF		

** Chair

* Co-Chair

MEETING LOCATION: SRF Consulting Group, Plymouth Office

I. Meeting times/locations for 2014

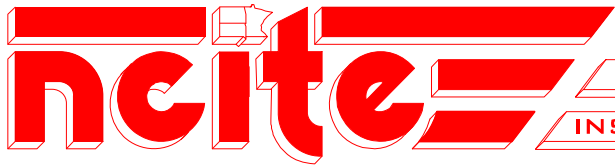
- January 8, 2014 (1:30-3:30pm): SRF
- February 5, 2014 (8:00-10:00am): MnDOT Water's Edge, Room 176
- March 5, 2014 (10:00am-noon): SEH – Vadnais Heights
- April 2, 2014 (8:00-10:00am): MnDOT Water's Edge, Room 176
- May 7, 2014 (8:00-10:00am): WSB – Golden Valley
- June-August: No Meetings
- September 3, 2014 (8:00-10:00am): MnDOT Water's Edge, Room 176
- October 1, 2014 (8:00-10:00am): TKDA
- November 5, 2014 (8:00-10:00am): MnDOT Water's Edge, Room 176
- December 3, 2014 (8:00-10:00am): Bolton & Menk – Burnsville

II. Brainstorming topics for 2014

The following topics and potential presenters were suggested in the brainstorming session.

Carry-over topics from 2013:

- a. Snelling Avenue BRT – Katie Roth (Metro Transit), Scott Poska (SRF), Nick Erpelding (SRF)
 - i. Suggested joint meeting with new Simulation Committee
- b. ADA/APS Design Update – Todd Grugel (MnDOT)
 - i. Scheduled topic for February 5th, 2014 meeting
- c. MnDOT Traffic Engineering Manual update – Jerry Kotzenmacher (MnDOT)
 - i. Jerry K. suggested not to schedule this as a topic until the manual has a firm publishing date
- d. MnDOT/WisDOT Joint Roundabout Truck Study – Paul Stine (MnDOT), Jim Rosenow (MnDOT)
 - i. Oversize/overweight trucks
 - ii. Signals vs. roundabouts for truck corridors



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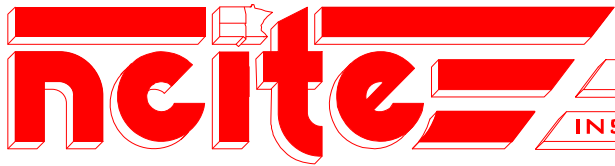
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- e. MnDOT ITS Design Guide update – John Albeck, Jon Jackels
 - i. ITS Design Managers class coming soon
 - ii. Joint meeting with ITS committee?
- f. Flashing Yellow Arrow (FYA) Topics – Prof. Davis (U of M), Matt Allwood (TCC), John Krieg (Hennepin County)
 - i. Time of Day guidelines
 - ii. Detection/controller settings
 - iii. Offset median FYA installations – signing in medians
 - iv. Multi-modal heads being installed
 - v. Signal Design Manual
- g. Tour of Minneapolis Traffic Management Center – Nick VanGunst (City of Minneapolis)
- h. Cost of new signals in the current market and for current designs
 - i. Costs of new technologies
 - ii. Lifecycle costs
 - iii. Suggested to be a sub-topic for meeting, not primary topic

New topics:

- a. Diverging Diamond Interchanges & lessons learned – Tom Dumont (MnDOT District 3), Joe Weaver, Bryant Ficek (TKDA)
 - i. Examples in Minnesota: Elk Run (in Pine Island), St. Cloud, I-494/34th Street in Bloomington
- b. Central Corridor LRT – Dan Soler (Metro Transit), Sonja Piper (City of St. Paul), Pete Gallagher (City of St. Paul)
 - i. Lessons learned
 - ii. Suggested for end of year
- c. Southwest Corridor LRT
 - i. Design currently underway
- d. Joint meeting with new Simulation and Capacity Committee – Mike Spack (Spack Consulting), Bryant Ficek (TKDA)
 - i. Suggested topic: new book on doing traffic studies by Mike Spack
- e. TCC/Brown Traffic Seminar
 - i. Latest products
- f. Adaptive/traffic responsive signal control – Joanna Bush (WisDOT Southeast Region)
 - i. Rhythm Engineering
 - ii. Econolite controller
- g. Multilane roundabout applications – Andrew Plowman (WSB), Joe Gustafson (Washington County)
 - i. Study of safety on multilane roundabouts in Richfield
 - ii. Washington County’s “roundabout diets”
 - iii. Roundabout striping details – field guide and experience
 - iv. Curb designs for truck aprons
- h. Bottineau LRT – TH 55 (Thomas Ave to Van White Blvd) – Dean Chamberlain (WSB)



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- i. Traffic counting/surveillance – Mike Spack
- j. Adaptive/traffic responsive signal control – Joanna Bush (WisDOT Southeast Region)
 - i. Rhythm Engineering?
 - ii. Econolite controller
- k. Legal issues caused by limiting pedestrian crossings at signals – Nandana Perera (nandana.perera@state.mn.us)
 - i. Personal/professional liability
 - ii. Signal and signing designs to minimize legal issues
- l. All pedestrian phase/”barnyard dance” at signals
 - i. Applications
 - ii. Reasons for application
- m. Pedestrian buffer timing – Nick Erpelding (SRF)
- n. Types of signal detection – Nick Erpelding (SRF)
 - i. Strategies for controller settings
- o. Pedestrian area snow removal – Tricia Nelson
 - i. How do other places handle snow removal?
- p. Pedestrian & Bicycle Committee proposed joint meeting
 - i. In conjunction with some of the proposed topics?
- q. Intersection-related parts of mega projects in the Twin Cities
 - i. Vikings stadium?
 - ii. I-694/US 10 in Arden Hills?
 - iii. St. Croix Bridge?
 - iv. I-35E MnPass Lanes?
 - v. Managed lanes in the Twin Cities – are they working?
- r. Michigan lefts/RCUT intersections
 - i. Signing/stripping details
 - ii. Lessons learned?
 - iii. Suggested to schedule for 2015 instead

Top topics to move forward:

- a. Snelling Avenue BRT
- b. Flashing Yellow Arrow Topics
- c. Diverging Diamond Interchanges in Minnesota
- d. Roundabout Topics
- e. LRT Topics
- f. Adaptive control/new signal technologies
- g. Legal issues of pedestrian crossings
- h. Pedestrian signal phasing/detection/controller topics

III. Scheduling topics and locations for 2014 (NOTE: Locations and Topics subject to change!)

- a. February 5th @ MnDOT Waters Edge – Room 176

- i. ADA/APS Design Update with Todd Grugel
- b. Other meeting topics not yet decided

IV. Round Robin

- a. Joe G. – Truck blew through red arrow at FYA installation at I-94 and Manning Avenue. Even through the truck should be ticketed for running a red light, it is preferred that a truck run a red light with no traffic impacts than a person obeying a green arrow signal without looking at what oncoming traffic is doing (which is what happened at a fatal crash at TH 36 at Manning Avenue).

NEXT MEETING:

- Date: Wednesday, February 5th (8:00-10:00am)
- Location: MnDOT Water's Edge - Room 176
1300 County Road B2 West
Roseville, MN 55113
- Topics: i. ADA/APS Design Update

Minutes Submitted By: Dean Chamberlain