INTERSECTION TRAFFIC CONTROL COMMITTEE
Meeting Minutes
January 8th, 2014

ATTENDEES

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<tr>
<th>Name</th>
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<tr>
<td>Scott Poska**</td>
<td>SRF</td>
<td>Dean Chamberlain*</td>
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<td>Morgan Abbott</td>
<td>TKDA</td>
<td>John Fahrendorf</td>
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<td>Joe Gustafson</td>
<td>Washington County</td>
<td>Jerry Kotzenmacher</td>
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<td>Nick Ollrich</td>
<td>SRF</td>
<td>Molly Stewart</td>
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<td>George Stuempfig</td>
<td>SRF</td>
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** Chair * Co-Chair

MEETING LOCATION: SRF Consulting Group, Plymouth Office

I. Meeting times/locations for 2014

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
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<tbody>
<tr>
<td>January 8, 2014</td>
<td>SRF Consulting Group</td>
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<tr>
<td>February 5, 2014</td>
<td>MnDOT Water’s Edge</td>
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<tr>
<td>March 5, 2014</td>
<td>SEH – Vadnais Heights</td>
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<td>April 2, 2014</td>
<td>MnDOT Water’s Edge</td>
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<td>May 7, 2014</td>
<td>WSB – Golden Valley</td>
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<td>June-August: No Meetings</td>
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<td>September 3, 2014</td>
<td>MnDOT Water’s Edge</td>
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<td>October 1, 2014</td>
<td>TKDA</td>
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<td>November 5, 2014</td>
<td>MnDOT Water’s Edge</td>
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<tr>
<td>December 3, 2014</td>
<td>Bolton &amp; Menk – Burnsville</td>
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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
   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
   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)
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.perara@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/striping 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