INTERSECTION TRAFFIC CONTROL
COMMITTEE
Meeting Minutes
February 5th, 2014

Attendees

<table>
<thead>
<tr>
<th>Name</th>
<th>Agency</th>
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<tbody>
<tr>
<td>Morgan Abbott</td>
<td>TKDA</td>
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<tr>
<td>Melissa Barnes</td>
<td>MnDOT</td>
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<tr>
<td>Dean Chamberlain</td>
<td>WSB</td>
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<td>Nik Costello</td>
<td>Washington Co</td>
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<td>John Fahrendorf</td>
<td>WSB</td>
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<td>Nicole Flint</td>
<td>MnDOT</td>
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<td>Suzanne Hanrahan</td>
<td>Dakota Co</td>
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<td>Paul Jung</td>
<td>MnDOT</td>
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<td>Jerry Kotzenmacher</td>
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<td>Mike Martinez</td>
<td>HDR</td>
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<td>Sonja Piper</td>
<td>City of Saint Paul</td>
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<td>Roger Plum</td>
<td>SEH</td>
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<td>Scott Poska</td>
<td>SRF</td>
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<td>Jan Rybar</td>
<td>Dakota Co</td>
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<td>Kevin Schwartz</td>
<td>MnDOT</td>
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<td>Molly Stewart</td>
<td>Bolton and Menk</td>
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Meeting Location: MnDOT Water’s Edge, Room 176
Meeting Topic: Accessible Design
Meeting Presenter: Todd Grugel, MnDOT

I. Miscellaneous topics

- Rapid Rectangular Flashing Beacon (RRFB)
  - APS warning message
  - Button cannot vibrate because vibration indicates “walk” signal
  - Polera – specific button for RRFB use
  - Carmana – audible message for crossing
  - Pedestrian button on separate pedestal from flasher/warning sign
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- Audible countdown timers
  - Blind community is in favor of audible countdown timers
  - Countdown should not be beacon – volume reduction
  - NCITE subcommittee working on this issue
  - Technology gaps exist – needs improvement
  - Easier to install according to MUTCD for legal issues
- Locals meeting requirements?
  - St. Paul – meeting best possible according to conditions
  - Utility conflicts can cause need for deviations from standards
  - Buttons hit by plows or vehicles somewhat frequently
  - More curb or right of way may be needed to accommodate ADA than is currently acquired with our projects

II. Accessible Design (Todd Grugel - MnDOT)

- Change in base types
  - Base bolted to concrete (epoxy – 4 bolts drilled into sidewalk)
  - Shaft - 8” diameter
  - Designed so that if hit the part that snaps off is the base
  - Thickened concrete around pedestal
  - Price comparable but slightly higher than current design
  - Conduit being installed in right spot is key
  - New base design in MnDOT standard details
  - Generally 4’ ramps make everything work best
- 3-4-9 design on dead end sidewalks only – otherwise directionality doesn’t work well
- X-Y coordinates now in plans for push buttons at signals
  - Errors were being made in plans due to imprecision
  - Field review needed to make sure data works
  - Check for maintenance needs
  - Station & offset instead?
- Can’t just wing ADA/APS in field – needs coordination with all parties involved
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- It takes iterations to get APS done correctly
- New attachment to signal pole to help push button mounting onto poles
  - On all installations or just in case things don’t quite work in the field
- Wedge extension for retrofits on pedestal poles
- Bases need to be flush with concrete walk to meet crash standards
- Compliance checks to be completed for new installations
- Put signal pole in position to use for one push button
- Consistency is huge for blind people
- MUTCD changes for push button sign
  - Sign is 3” taller
  - Past problems with sign sheeting fading
- R9-3a (No Pedestrian Crossing) sign
  - Thinking through risks and safety impacts of sign installation
  - Warrants for APS buttons?
  - Where are crossings? How do we deal with remaining quadrants?

III. Round Robin

- Scott P. – Abigail T. of U of M ITSO looking for presenters for Friday meetings (see attached)
- Kevin S. - U-turn signal indications out there? (One next to Kimley Horn in St. Paul; WisDOT has at least one). MnDOT is proposing a Flashing Yellow Arrow U-turn signal and new regulatory sign
- Mike M. – Lighting design course offered this year
- Jan R. – RRFB guidelines for installation? (Interim approval from FHWA; City of Boulder, CO has guidelines for RRFB and HAWK signals)
- Jerry K.
  - MnDOT has new handhole design which has been significantly reviewed
  - APS pedestrian stations now grounded

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- Foundation extension cap and splices now available for signals that need to be raised due to overlays
- Signal design class – June 3-5

- Roger P. – Consultant (not SEH) proposing switching from using Synchro/SimTraffic to Traffix. Any problems with that? (None noted from those in room)
- Melissa B. – Currently writing Bikeway Design Manual and incorporating bike lane closures
- Sonja P. – App available for Braille translation
All,

Martin Brosnan, the ITSO NCITE representative, recently reached out to the Student Activities/Career Guidance committee with a need for TransTalks presenters for the spring semester. If you are unfamiliar with TransTalks it is a seminar held by ITSO usually occurring on Friday afternoons on the U of M campus.

If you or any members of your respective technical committee are interested in presenting at a TransTalks event please contact either myself or Kevin Peterson, and we will pass your information along to ITSO.

Thanks,
Abby

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