



2014 Executive Committee

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INTERSECTION TRAFFIC CONTROL COMMITTEE

Meeting Minutes February 5th, 2014

Attendees

Table with 2 columns: Name, Agency. Lists attendees such as Morgan Abbott (TKDA), Melissa Barnes (MnDOT), Dean Chamberlain (WSB), etc.

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)
o APS warning message
o Button cannot vibrate because vibration indicates "walk" signal
o Polera - specific button for RRFB use
o Carmana - audible message for crossing
o 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



NORTH CENTRAL SECTION

INSTITUTE OF TRANSPORTATION ENGINEERS

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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

## Dean Chamberlain

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**From:** Scott Poska <sposka@srfconsulting.com>  
**Sent:** Friday, February 21, 2014 9:47 AM  
**To:** Dean Chamberlain  
**Subject:** FW: NCITE - ITSO TransTalks Presenters

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**From:** Abigail Tutewohl [<mailto:atutewohl@alliant-inc.com>]  
**Sent:** Thursday, January 30, 2014 4:02 PM  
**To:** Scott Poska; [dchamberlain@wsbeng.com](mailto:dchamberlain@wsbeng.com); [jon.jackels@state.mn.us](mailto:jon.jackels@state.mn.us); Steve McHenry; Steve Wilson; [pete.lemke@co.hennepin.mn.us](mailto:pete.lemke@co.hennepin.mn.us); [rcollins@wsbeng.com](mailto:rcollins@wsbeng.com); [cseaman@stonebrookeengineering.com](mailto:cseaman@stonebrookeengineering.com); [adam.brueening@co.washington.mn.us](mailto:adam.brueening@co.washington.mn.us); [mspark@trafficdatainc.com](mailto:mspark@trafficdatainc.com); [bryanne@bolton-menk.com](mailto:bryanne@bolton-menk.com)  
**Cc:** Kevin Peterson; Mike Anderson  
**Subject:** NCITE - ITSO TransTalks Presenters

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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