

# ITS Technical Committee – NCITE/ITS Minnesota

February 4, 2014

1:00 p.m. – 3:00 p.m.

MnDOT Arden Hills Training Center

## MINUTES

1. Introductions
  - Attending: Matt Mayer (Kimley-Horn), Gary Nyberg (Metro Transit), Steve Rippey (Metro Transit), Steve McHenry (SRF), Ginny Crowson (Athey Creek), Ray Starr (MnDOT), Dan Rowe (MnDOT)
2. December 3 meeting minutes approved
3. February 4 agenda approved
4. Old business
  - ITS Design Manual Update and Course Feedback
    - Steve Rippey and two other Metro Transit staff attended both days of the recent training
    - There were approximately 40 attendees with representation from agency and consulting staff at the training
    - Training attendees noted a desire for an ongoing venue for real-time discussions about manual topics
    - Proposed using this committee as a venue for ongoing dialog about manual content, lessons learned, etc.
    - Adding a section on transit in the manual or providing links to existing yet separate materials would be useful
    - Original purpose of the manual was to drive consistency in the more broadly deployed ITS (e.g. DMS, cameras, detection) by providing in-depth design guidance, specifications and other information, but it's not yet reached this depth of detail
    - It was asked if there are other states with model design manuals that could be used to further develop the depth of Minnesota's manual
    - **ACTION:** Forming what the committee could/would do needs to be discussed by both MnDOT (what they'd like) and the group (what we're able/willing to offer)
  - Systems Engineering Training Course
    - Course is scheduled for February 18; 18 people are registered as of this meeting
    - ITS Architecture update will also be completed in 2014 and ties well into systems engineering
    - There was general discussion about when and to what degree to use systems engineering on projects, tailoring model documents to specific projects, applying systems engineering for quality management, etc.
    - Mileage based user fee project recently completed by MnDOT was noted as an example of systems engineering being successfully used

## 5. New Topics

- Brainstorming: Topics and Meeting Format
  - There was additional discussion about limitations with **ITS procurements** –there are separate rules for construction, procuring equipment and professional/technical services
  - **Project debriefing** to hear about their contractors, agency and other partners' experiences (e.g. RICWS)
  - How does ITS fit within the context of lower cost, higher return on investment strategies noted in the recent **Minnesota GO series of transportation plans** (e.g. 50-year vision, 20-year state transportation plan, state highway investment plan)?
  - It was noted that **MAP-21** allows ITS to be eligible for all categories of funding
  - It was also noted that **Met Council also publishes a regional plan** that is fiscally constrained and highlights managed lanes (ITS related) as a key strategy for their future
  - **Alternative power sources** for remote or rural ITS deployments; an example from Rochester was noted as a potential case study for future discussion
  - **Educating agency IT and communications staff** about ITS impacts and opportunities (e.g. network security, capacity)
  - **Examples of design manuals** used from or developed for other states
  - Future, potential impacts of **Connected Vehicle** and NHTSA's February 3 V2V announcement or prospective V2I aspects of further Connected Vehicle
  - Changing **meeting format to encourage city/county participation** – potentially quarterly frequency, outstate venues and remote participation options
  - How can we **make NCITE/ITSMN members more aware** of committee meetings and get their input on how the committee should continue
  - Suggestion to **switch meeting time** to over lunch (e.g. 11:00-1:00) and venue (e.g. Waters Edge, Metro Transit Control Center)
  - **Maintaining round robin** was also suggested as a valuable way to learn more about what others are doing
  - **ACTION:** Committee should prioritize brainstormed topics and select a specific topic for the April 1 meeting
- Committee Co-Chair
  - Matthew Mayer volunteered to co-chair with Steve for 2014

## 6. Round Robin

- Discussed the next meeting topic – focus on design manuals from other states (e.g. KS, MI)  
**ACTION:** Committee members should bring examples of other design manuals to next meeting
- Ray: NHTSA announced V2V decision on February 3; Connected Vehicle pooled fund is doing a project to explore V2I options with signals
- Dan: Working on I-694/I-94 loop on east side of town to reconstruct; project in Cokato along TH12 to install roadway sensors on icy conditions; Safe Intersections project (precursor to RICWS) and CICAS project are both winding down; developing scope of work for winter snow gate signage

- Gary: Vehicle area network is a key project for Metro Transit to improve vehicle communication within garages (across buses, transit police units, train cars); first arterial BRT design is in progress for Snelling Avenue from Rosedale to MOA – plan to implement one each year for the next 12 years hereafter; working on various priority signal projects and a bus enunciator project to announce upcoming stops (plan to have enunciators on all bus routes within a year)
- Steve: Nebraska has a low-band state radio system and a trunked 800 MHz system they're studying for coordination options
- Matthew: Working on large signal design project on CSAH 144 and TH101; still finishing up some Arizona DOT projects (recently transferred to Minnesota Kimley-Horn offices)