



2014 Executive Committee

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ITS Technical COMMITTEE Meeting Minutes April 1, 2014

Table with 2 columns: Name, Agency. Rows include Tina Roelofs (Athey Creek), Matthew Mayer (Kimley-Horn), Steve Ripey (Metro Transit), Steve Misgen (MnDOT), Ken Hansen (MnDOT), Ray Starr (MnDOT), Cory Johnson (MnDOT), Steve McHenry (SRF), Todd Foster (Ver-Mac), Matt Gjersvik (WSB).

Meeting Location: MnDOT Arden Hills Training Center
Meeting Topic: ITS Design Standards
Meeting Presenter: Steve McHenry, SRF; Matthew Mayer, Kimley-Horn

- 1. Introductions
2. Approval of February 4th Minutes
3. Presentation - ITS Design Standards
a. Arizona DOT
- FMS Design Guidelines
- FMS Communications Master Plan
- DMS Master Plan
- ITS Standard Drawings
- Ramp Meter Design Guidelines
b. Michigan DOT
- Basis of Design Document
- Regional ITS Architecture and Deployment Plan
- ITS Specifications
c. Kansas DOT
- ITS Standard Drawings
- ITS Equipment Specifications
4. Round Robin
a. Tina Roelofs
- Enterprise to partner with AASHTO
- Discussion to change from the term "warrants" and replace it with "planning guidance"
- Under final review and set to present in June

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- Enterprise is currently conducting an evaluation of Video Analytics
  1. Incident and wrong way detection
  2. Findings will be presented at World Congress and ITS Canada
- b. Matthew Mayer
  - On-going ITS marketing efforts
  - Metro traffic/design work
- c. Steve Ripey
  - Continued build out of Dynamic Message Signs
    1. 16 locations in total
    2. Focused on high volume stops
  - 2015 will start the 2<sup>nd</sup> BRT on A Line (Snelling Ave)
- d. Steve Misgen
  - Deployment of ATMS
    1. 40+ CCTV Cameras
    2. 80 signals with smart signal technology
- e. Ken Hansen
  - Working through TIGER funds
  - Rural Intersection Conflict Warning Sign construction to restart with the spring thaw
  - 49 locations set to be constructed by the end of 2014
    1. Contingent on funding
- f. Ray Starr
  - Connected Vehicles Committee with NHTSA
    1. Regulation making on new cars
    2. Required on Model Year 2020 and beyond
  - Federal RFI to procure test sites for connected vehicles
    1. MnDOT to evaluate responding
  - Working toward securing portable trailer to integrate with IRIS on traffic management, travel times and incident management
- g. Cory Johnson
  - Innovative Ideas Program RFP has been released
    1. Due April 22<sup>nd</sup>
    2. Stage I proposals
  - Ongoing efforts with Enterprise
    1. Intelligent work zones
  - Advertising RFP
    1. District 4
    2. DMS, Cameras and Snow Gates
    3. Flashing beacons for closures currently
    4. Update to interstate closure gates
  - Work Zone ITS Ramp Up
    1. Rashmi Brewer leading
      - a. Identify Needs
      - b. Define Possible Solutions

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## 2. Texas Transportation Institute

## a. Pilot Car signing

## h. Steve McHenry

- Completed RFP to Iowa for state-wide work zone projects
- Completing Nebraska low-band radio system
- Involved with Wisconsin train detection/warning system

## i. Todd Foster

- ATSSA ITS Council is developing work zone specification on a national level in collaboration between vendor/DOT/consultants
- Sees a shift in the market going to more CCTV cameras on changeable message signs, especially in work zones.
- Fixed lens cameras will take less energy, in addition to not streaming video but on-demand ability to observe during incidents
- Alternate routing and queue warning are becoming the focus on travel notice

## j. Matt Gjersvik

- RICWS adding 10 additional sites
- Design verification on 35E
  1. 5 MOT plans
  2. Working to identify location for fiber runs

## 5. OTHER

## a. Next meeting will be held at Waters Edge

## b. Steve Misgen to coordinate/reserve a meeting space

c. Topic will be [2014 FHWA Work Zone ITS Implementation Guide](#), led by Todd Foster and Tina Roelofs.