ITS Technical COMMITTEE
Meeting Minutes
April 1, 2014

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<thead>
<tr>
<th>Name</th>
<th>Agency</th>
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<tr>
<td>Tina Roelofs</td>
<td>Athey Creek</td>
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<td>Matthew Mayer</td>
<td>Kimley-Horn</td>
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<td>Steve Ripey</td>
<td>Metro Transit</td>
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<td>Steve Misgen</td>
<td>MnDOT</td>
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<td>Ken Hansen</td>
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<td>Ray Starr</td>
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<td>Cory Johnson</td>
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<td>Steve McHenry</td>
<td>SRF</td>
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<td>Todd Foster</td>
<td>Ver-Mac</td>
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<td>Matt Gjersvik</td>
<td>WSB</td>
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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
Enterpise 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 2nd 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 22nd
     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

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.