

**2016 Executive Committee**

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**ITS Technical Committee**  
**Meeting Minutes**  
**Tuesday, May 3<sup>rd</sup>, 2016**

| Name               | Agency              |
|--------------------|---------------------|
| Nick VanGunst      | Alliant Engineering |
| Travis Houle       | Metro Transit       |
| Ginny Crowson      | Athey Creek         |
| Jason Podany       | Metro Transit       |
| Steve McHenry      | SRF                 |
| Todd Foster        | Ver-Mac             |
| Steve Rippey       | Metro Transit       |
| Jerry Kotzenmacher | MnDOT               |
| Paul Jung          | MnDOT               |
| Rashmi Brewer      | MnDOT               |
| Mike Kronzer       | MnDOT               |
| Ray Star           | MnDOT               |
| Durga Panda        | Retired             |
| Phong Vu           | Dakota County       |

**Meeting Location:** MnDOT Waters Edge, Conference Room 323  
**Meeting Topic:** Technology in State Patrol Squad Car  
**Meeting Presenter:** Col. Matt Langer, Chief, Minnesota State Patrol

1. Introductions / Sign-up sheet
2. Approve Minutes of Tuesday, April 5<sup>th</sup>, 2016
3. Review Agenda of Tuesday, May 3<sup>rd</sup>, 2016
4. Discussion Topic – Technology in State Patrol Squad Car. Presented by Col. Matt Langer, Chief, Minnesota State Patrol
  - 609 Sworn State Patrol Officers
  - Approximately 800 vehicles in service
  - Officers are equipped with:
    - Tasers: 590 issued across the state. Approximate cost of \$1,700 per unit. The life cycle is 5 years. Video capability comes with the Taser device. The video is stored with Amazon.
    - Portable 800MHZ Motorola Radios: Approximate cost of \$4,000 per unit. The radios have a long life cycle.

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- Squad Cars are equipped with:
  - LIDAR: 381 units are deployed across the state. The accuracy is +/- 1 mph. The units can detect vehicles moving within a range of 10-200 mph. The cost per unit ranges from \$1,700 to \$2,000, depending on the model.
  - RADAR: 597 units are deployed across the state. The unit has the ability to monitor up to four vehicles at one time. There are antennas mounted in the front and rear of the vehicle. The cost per unit is \$2,800. Cable barriers in medians has limit RADAR enforcement.
  - Video: There are approximately 650 cameras deployed throughout the fleet. The cost per camera is \$5,000 (not including the install cost). Video records on a DVD for now. Cameras record the front and rear of the vehicle and includes an interior and body mic. State Patrol does not plan on having body cameras.
  - Printers: Printers are in every vehicle. The cost per unit is approximately \$588.
  - Computer: They use the Panasonic CF-30 and CF-31 tough book. The cost per unit is \$4,000.
    - MNCrash Software: This software is used to report crashes. Crashes are reported for any property damage that exceeds \$1,000 in cost. This software is mandatory for all law enforcement in the state. The software is web based.
    - E-Citation Software: This software is used to write citations electronically. Citation can also be written by hand.
  - In-squad Radio: 800 MHZ radio. The cost is \$4,000 per unit.
  - License Plate Reader: 12 units are deployed. Will be purchasing 8 more in the near future. The cost is \$1,500 per unit. The reader scans license plates as the trooper drives. The trooper is notified of any alerts that are associated with a license plate.
  - Integrated Biometric ID System (IBIS): There are 50 units deployed across the state. Each unit costs approximately \$1,600.
  - Automated External Defibrillator: There is one defibrillator in each car. The cost per unit is \$1,350.
  - Preliminary Breath Test (PBT): Every sworn officer has a unit. Each unit costs \$575.
  - Window tint meters: 650 units deployed with a cost of \$65 per unit.

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- MnPass Readers: This equipment is supplied by MnDOT, so there is no cost to State Patrol. State Patrol is currently working with MnDOT on enforcement with the new MnPass technology.
- Cameras: 680 units are deployed with a cost of \$450 per unit.
- Tactical Response Unit includes:
  - K-9 Unit
  - Fiber Optic Scopes
  - Unknown substance detection kits
  - Helicopter with FLIR
    - GPS/IPAD Mini in helicopters and planes
  - Night vision helmets for pilots
  - TDFM 9000 radios
  - Weigh in motion
  - Thermal pole system on the SWAT vehicle
- Crash Reconstruction
  - Total Stations: 16 units deployed across the state. Each unit costs \$25,000. The new total stations reduces the need from two people to one to survey the accident scene.
  - There are 35 reconstruction specialists.
  - Crash data retrieval: 2 kits are available. Each kit costs \$17,000.
- State Patrol operates out of two communication centers (Rochester and Roseville-RTMC).

5. Round Robin:

- Jason Podany noted that Metro Transit is looking into asset management requirements. Metro Transit maybe reaching out to MnDOT and others for input and guidance.
- Todd Foster recently attended the ITS Heartland conference. This conference typically puts on one of the best ITS shows.
- Steve Rippey provided updates from Metro Transit:
  - Metropolitan Council has an RFP out for On-Board Real-Time Transit Information Display Systems.
  - Metro Transit's "A" Line Bus Rapid Transit (BRT) is expected to be operational starting on June 11, 2016.
  - Metro Transit is working on plans for the MOA Transit Center Reconstruction. The goal is to be completed by the Superbowl in 2018.

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- Ginny Crowson noted that the Northwest Passage is looking into what other states are doing in regards to ITS asset management.
- Steve McHenry noted that SRF is working on an ITS project with the State of Nebraska and is also assisting MnDOT with the RICWS deployment.
- Jerry Kotzenmacher mentioned that MnDOT is deploying their first bike detector at Hwy 3 and Hwy 19 in Northfield. They are using radar from MS Sedco. The radar is only being used to detect bikes. A report should be available late summer.
- Mike Kronzer provided an update on RICWS. The last of the RICWS is being constructed. Mike also noted that MnDOT is doing site surveys for remote ITS monitoring. An RFP will be coming out soon.
- Ray Starr noted that MnDOT is working on a new asset management system for signing, signals, ITS, drainage, etc. MnDOT formed an asset management office. MnDOT also completed a plan for asset management required by the feds.
- Ray Starr noted that MnDOT is looking into who is currently using IRIS and will try to get updated source codes from each user so that there is ultimately only one version of IRIS being used.
- Ray Starr provided an update on solicitations that MnDOT is pursuing:
  - ATCMTD
  - Mileage base user fee grant

## 6. Other:

- Next meeting will be held on Tuesday, August 2<sup>nd</sup>, 2016, 1:00pm-to-3:00pm at Waters Edge Conference Room A.
  - Meeting Topic: ITS equipment maintenance by TAPCO