



# IMO 2.0 Project Update

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# IMO 2.0 tasks

1. Project management
2. Data acquisition strategy
3. Vehicle deployment
4. Measure and monitor data acquisition
5. Implement and operate road weather apps
6. Support benefits analysis
7. Conduct and evaluate project over specific time period





# *Project Management*

Develop and implement project management structure which fosters grassroots support by effectively marketing and supporting this technology throughout the organization



# Create Data Acquisition Strategy

- Results – successful
- Challenges – CAN bus info varied by vehicle type, model year and manufacturer. Little or no cooperation from manufacturers made seemingly simple tasks drag on and on





# Vehicle Deployment

- IMO proposal set AVL goal at 225 snowplows
  - MNDOT now has AVL in 482 snowplows
- Expand use of AVL in Light Duty trucks
  - 20 AT-500's installed now, 12 with ODB2





# Measure and Monitor Data Acquisition

- Develop connection manager which would facilitate handoffs between cell towers and minimize disconnection events
- Establish data storage facility
- Challenges – much time and effort was required to develop robust connection manager to reduce data loss





# *Implement and Operate Road Weather Applications*

- Collection of camera imagery
- Enhanced MDSS
- Information for maintenance or fleet management systems
- Records automation
- Mower application
- Motorist advisory and warning





# Support Benefits Analysis

Supply FHWA , NCAR and MnDOT with data to quantify benefits to users and public





# Period of Performance and Schedule

Plan, deploy, and complete project within specified time frame

Result - successful





*Thank you*

*Your Destination...Our Priority*

