Maintenance & Operations
Decision Support System (MODSS)

Next Steps

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Session 7

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Next Steps: MODSS prototype

- Task NCAR to develop a MODSS prototype based on requirements contained in the ConOps
- Use same cyclical development process that was used for MDSS
- Replace content of winter maintenance module with algorithms for maintenance beyond snow and ice control
Winter Maintenance Decision Support System (MDSS)

Environmental Sensor Stations (ESS)
Vehicle-based Observations (VII)
Supplemental Wx Obs (ASOS, Radar, Satellite)
Numerical Weather Forecast Data

Surface Transportation Weather Management System (Clarus)

Traffic Monitoring Systems Cameras, Loops
Traffic Analysis Tools
Standard Operating Procedures (e.g. Rules of Practice)

Maintenance & Operations Decision Support System (MODSS)

Winter Maintenance Decision Support System (MDSS)
Maintenance Beyond Snow & Ice Control Decision Support System
Traffic Management Decision Support System
Construction Management Decision Support System
Other Surface Transportation Decision Support Systems

Strategies & Guidance to aid Surface Transportation Decision-Makers
Next Steps: Engage Stakeholders

- Create possible task force groups
  - Graphical User Interface configuration
  - Customization Issues
  - Prototype Evaluation
- Explore options for prototype test & evaluation (e.g. Pooled-Fund effort)
Next Steps: Deliverables

• Provide a MODSS Release 1.0 package to the community
• Provide outreach to the community through papers and presentations at symposia
• Provide limited tech transfer support (via NCAR) to assist in implementing the MODSS prototype