

Co-sponsored by:



U.S. Department
of Transportation
**Federal Highway
Administration**



AASHTO Technology
Implementation Group



Local Technical
Assistance Program



Maintenance Decision Support Systems



Free One-day Event!
Wednesday, August 27, 2008
Valley Forge Conference Center / Radisson
King of Prussia, PA
[Valley Forge Convention Center](#)

Winter road maintenance is a complex and challenging endeavor for any highway maintenance agency. It involves bringing skilled maintenance employees and their equipment together in a battle against Mother Nature. Split-second decisions have to be made as to when to offer traffic warnings, what deicing materials to apply, and how plowing is to be routed. These decisions determine the safety and mobility of the driving public.

Since 1999, the Federal Highway Administration's (FHWA) Road Weather Management Program and State transportation departments have invested in the development of Maintenance Decision Support Systems (MDSS). Through partnerships with national laboratories and a stakeholder community of public, private sector, and academic participants, the MDSS has evolved from a concept to a functioning application.

What is an MDSS?

An MDSS is a computer-based, customizable tool that provides winter maintenance personnel with route-specific weather forecast information and treatment recommendations.

Benefits of an MDSS include:

- Route-specific weather and road condition forecasts
- Optimized treatment recommendations for treatment type, application rate, and timing
- More efficient use of salt and other deicing materials
- Reduced environmental impact from deicing chemicals
- Better use of manpower and equipment
- Near real-time road condition reporting
- Training for new and seasoned maintenance personnel using historical playback

These all translate into a safer, more efficient transportation system.

Radisson – Franklin and Adams Rooms

Wednesday, August 27, 2008

MDSS SHOWCASE AGENDA

| Time | Session | Topic | Speakers |
|-------------|------------------------|--|---|
| 7:30 | Registration | | |
| 8:00 | Opening Session | Welcome | Jason Norville, <i>PennDOT</i> |
| | | Challenging Remarks | Scott Young, <i>PennDOT</i> |
| | | Opening Remarks | Renee Sigel, <i>FHWA</i> |
| | | MDSS Vision | Ray Murphy, <i>FHWA</i> |
| 8:40 | Introduction to MDSS | AASHTO TIG Video | Dave Huft, <i>SDDOT</i> |
| | | Federal Prototype | Kevin Petty, <i>NCAR</i> |
| | | Pooled Fund States | Ben Hershey, <i>Meridian Inc.</i> |
| 9:20 | MDSS Demonstration 1 | Illinois DOT | P. Dean Kernan, <i>IDOT</i> and Jim Block, <i>DTN/Meteorlogix</i> |
| 10:00 | Break | | |
| 10:15 | MDSS Demonstration 2 | Colorado DOT | Philip Anderle, <i>CDOT</i> & Steve Gaddy, <i>Meridian Inc.</i> |
| 11:30 | Mobile Data Collection | MDC Requirements | Steve Gaddy, <i>Meridian Inc.</i> |
| | | Mobile Data Collection | Michael Howarth, <i>Intelligent Devices Inc.</i> |
| | | Mobile Data Collection | Kevin Groeneweg, <i>IWAPI, Inc.</i> |
| 12:15 | Lunch | | |
| 1:00 | MDSS Demonstration 3 | City of Denver | Kevin Petty, <i>NCAR</i> |
| 2:15 | Break | | |
| 2:30 | MDSS Deployment Issues | Panel Discussion Potential Topics: | Dave Huft, <i>Facilitator</i> |
| | | <ul style="list-style-type: none"> o <i>Training</i> o <i>Communications</i> o <i>Management Support</i> o <i>Employee Acceptance</i> o <i>Expectations</i> | Panelists: <ul style="list-style-type: none"> o Ron Hall, <i>KDOT</i> o Phillip Anderle, <i>CODOT</i> o Jason Norville, <i>PennDOT</i> o Curt Pape, <i>MnDOT</i> o P. Dean Kernan, <i>IDOT</i> |
| 3:45 | Wrap-Up | Closing Remarks | Jason Norville, <i>PennDOT</i> |
| | | Evaluation Forms | All |
| 4:00 | Adjourn | | |
| 5:00 – 7:00 | Mixer | Eastern Snow Expo | Exhibit Hall – Sponsored by AASHTO |

[MDSS SHOWCASE PREREGISTRATION FORM](#)

**** ATTENDANCE IS FREE ****

Please Fax form to: (435) 797-1582 or register online at: www.utahltap.org

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|-------------------|--|---|--|
| Name: | | | Accommodations are available at: Sheraton Park Ridge Hotel 480 North Gulph Road King of Prussia, PA 19406 Phone: 610-337-1800 www.Sheraton.com/ParkRidge |
| Agency: | | | |
| Address: | | | |
| City/State/Zip: | | | |
| Phone/Fax: | | | |
| Email: | | | |
| Check which apply | AGENCY ROLE <input type="checkbox"/> Equipment Operator <input type="checkbox"/> Field Supervisor/Foreman <input type="checkbox"/> Engineer/Management | KNOWLEDGE OF MDSS <input type="checkbox"/> None <input type="checkbox"/> Moderate <input type="checkbox"/> Expert | Simply ask for the "MDSS Rate" |

Thursday, August 28, 2008

ADDED BONUS: FREE AASHTO Eastern Snow Expo

Please Pre-register at www.transportation.org/meetings/178.aspx

