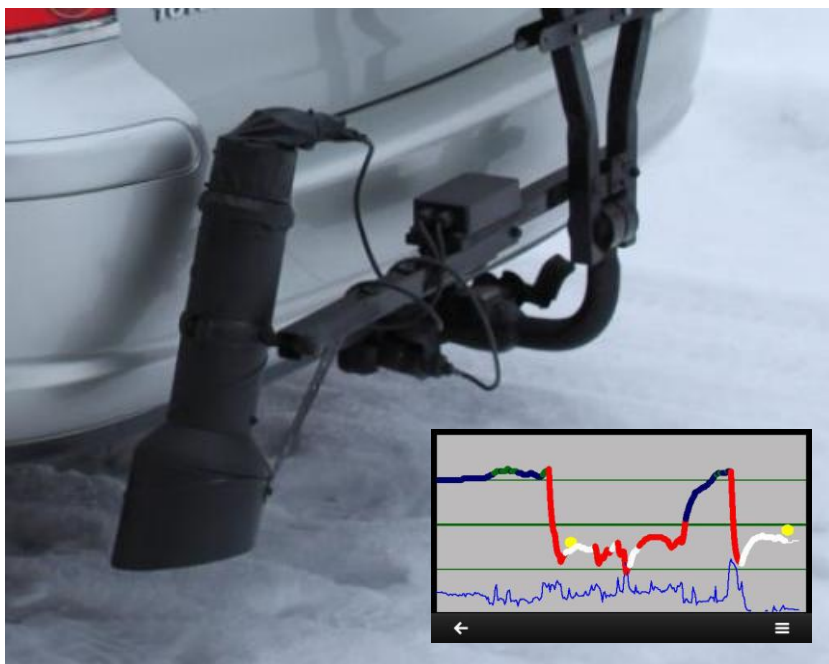




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NTREC New Technology Research Equipment Committee
MOR Maintenance Operations Research



RCM 411

The Road Condition Monitor (RCM) 411 is a road friction measuring device used during snow and ice events to help operators determine the slipperiness of the road surface. It uses an infrared light transmitter and a receiver to determine this. The infrared light is sent at selected wavelengths and the backscattered light is detected. This information is then sent to a cell phone mounted on the vehicles dash and gives continuous information to the operator on real time road conditions (smaller picture above). Green = dry, Dark Blue = moist, Blue = wet, Magenta = slush (water and ice), Red = ice, White = snow. District 3 will evaluate this system for its accuracy and effectiveness on determining slippery conditions. They will also determine if this system will automatically input data into MDSS eliminating manual road condition entries.

For more information contact:
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Maintenance Research Project Manager

Upcoming Events

Salt Solutions/MDSS Winter
Kickoff
District 3A, Baxter
September 25, 2012
Contact Joe Huneke @
651/366-3586 with any
questions

Fall Maintenance Expo
St. Cloud Public Works
October 3-4, 2012

Toward Zero Deaths
Conference
Bloomington, MN
October 22-23, 2012



Research Website:
<http://www.dot.state.mn.us/maintenance/research/research.html>

Comments? Questions?
*Maintenance Research Project
Manager*
651/366-3585

Your Destination...Our Priority

