



Photos courtesy: Geophysical Survey Systems, Inc.

Preliminary Agenda

SHRP2 Rapid Technologies to Enhance Quality Control on Asphalt Pavements GPR Rolling Density Meter (RDM) Peer Exchange

MnDOT Bridge Office
3485 Hadley Ave N
Oakdale, MN 55128

DAY 1 – October 24, 2017

Time	Topic/Presentation	Speaker
8:30 am – 9:00 am	Welcoming Remarks	MnDOT/AASHTO/FHWA
	<ul style="list-style-type: none"> • Meeting Goals, Agenda Review, Introductions • MnDOT • AASHTO • FHWA 	Jeff Brunner Pam Hutton Steve Cooper Kevin Chesnik
9:00 am – 9:30 am	GSSI – RDM Equipment	
	<ul style="list-style-type: none"> • Background • Limitations • Enhancements, etc. 	Robert Sommerfeld Roger Roberts
9:30 am – 10:15 am	Minnesota DOT – RDM Experience	Kyle Hoegh
	<ul style="list-style-type: none"> • Equipment precision and accuracy testing • Draft AASHTO specification • Field trials (TH14 and TH52) • Comparison with IR and IC 	Shongtao Dai Kyle Hoegh
10:15 am – 12:00 pm	RDM Demonstration	
	<ul style="list-style-type: none"> • Data collection in parking lot with van demonstration 	Kyle Hoegh
12:00 pm – 1:00 pm	Lunch	
1:00 pm – 1:30 pm	Alaska – RDM Experience	
	<ul style="list-style-type: none"> • Field testing • Core collection • Data analysis 	Rich Giessel

1:30 pm – 2:00 pm	TTI – RDM Experience	
	Field trials Development of default calibration curves	Steve Sebesta
2:00 pm – 2:30 pm	Washington State DOT – RDM Experience	
	Field trials	Jim Westin
2:30 pm – 2:45 pm	Break	
2:45 pm – 3:45 pm	Experiences from other States, Consultants, Contractors, etc.	
	Field trials with RDM Nebraska Maine Florida AET Field trials with other GPR systems Ohio Data analysis and applications Contractor experience	Robert Rea Rick Bradbury Bouzid Choubane Eyoab Zegeye Craig Landefeld Ervin Dukatz
3:45 pm – 4:45 pm	Group Discussion	
	Topics to be drawn from the user group list of topics including: How to Move Forward Sensitivity Studies Hardware and Software Improvements	Kevin Chesnik- All Participants
4:45 – 5:00 PM	Summary of the Day/Adjourn	Kevin Chesnik
6:00 PM	Optional Group Dinner Mad Jacks 935 County Road E., Vadnais Heights, MN 55127 (651) 287-3900	



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DAY 2 - October 25, 2017

Time	Topic/Presentation	Speaker
8:30 am – 9:00 am	Review of the Deployment Results <ul style="list-style-type: none"> Showcase the Final Report results from Minnesota DOT, Nebraska DOT and Maine DOT 	Lev Khazanovich
9:00 am – 11:30 am	Group Discussion – Topics of Interest (Continued) <ul style="list-style-type: none"> Topics to be drawn from the user group list of topics Equipment Precision and Accuracy AASHTO Protocols Specification Needs 	Kevin Chesnik
11:30-11:45 am	Action Items and Summary	Kevin Chesnik
11:45 am	Closing Comments – Minnesota DOT, FHWA, and AASHTO	Jeff Brunner Steve Cooper Pam Hutton
12:00 PM	Adjourn	



POTENTIAL TOPICS OF INTEREST

- How to Move Forward?
- Sensitivity Studies - What needs to be evaluated further?
 - How does each component in a mixture affect dielectric constant (ag. type, gradation, binder and content)?
 - Develop a Guideline for Notification of changes in mixture and materials.
- Hardware and Software Improvements
 - Distance from Antenna to Pavement Surface
 - RDM data Directly into VETA
 - GPS Accuracy
- Equipment Precision and Accuracy - Method for Verification
 - Draft AASHTO Specification
 - Method for Check/Verify Precision
 - Calibration Procedures
- AASHTO Protocols
 - Survey Set Up
 - Survey Data Collection
 - Data Processing
 - Data Analysis and Applications
- Local Support for RDM
- How Can it be used for Quality Acceptance?
 - Compaction Uniformity
 - Density - Mainline and Joint
- Specification Needs
- Use of Data in PM System for Evaluating Long-term Performance
- Operator Safety Considerations Around Traffic