

# **National Road Research Alliance Geotechnical Team August Meeting**

**Terry Beaudry  
Reclamation/Grading Engineer**

# Agenda

1. Welcome and Introductions
2. General NRRRA Update
3. Update Ongoing Research Projects
4. Upcoming Relevant Geotech Events
5. Questions/Requests

# General NRRA Update

- Next RPO:
  - Tuesday August 18 (10:00-11:00 AM)- *“Use of Road Doctor for Evaluation of Pavements Affected by Severe Crack-heaving (tenting)”* by Eyoab Zegeye Teshale, Ph.D., P.E, MnDOT.
- Upcoming Pavement Workshop Activities:

**"Best Practices of AMG Milling and Paving from Design to Construction" (ICT Team Session 3)**

**Wednesday, August 12 | 10:00 - 11:30 a.m.**

[Register for this webinar](#)

**Speakers:** Kyle Klasen (WSB and Associates), Thomas Abell (Ziegler | CAT), Dan Schellhammer (Midstate Reclamation & Trucking, Inc.)

**Moderator:** Curt Turgeon (MnDOT)

## SEPTEMBER

**[ICT Team Meeting - Extended Project Updates](#)**

**Thursday, September 3 | 10:30 - 11:30 a.m.**

*Use the Skype link on the team page to connect*

**Speaker:** Choon Park, Ph.D. (Park Seismic) – [Seismic Approach to Quality Management of Asphalt Pavements](#)

# Update Research Projects

Project	Team	Task 1	Task 2	Task 3	Task 4	Task 5	Task 6	Task 7	Task 8	Task 9 & 10
Determining Pavement Design Criteria for Recycled Aggregate Base and Large Stone Subbase <b>[90%]</b>	MSU/ISU /UWM							In progress	In progress	
Mechanistic Load Restriction Decision Platform for Pavement Systems Prone to Moisture Variations <b>[60%]</b>	UNH				In progress	In progress				
Environmental Impacts on the Performance of Pavement Foundation Layers <b>[40%]</b>	MSU		In progress	In progress						
Permeability of Base Aggregate and Sand <b>[40%]</b>	UWM		In progress	In progress						
Improve material inputs into mechanistic design properties for reclaimed HMA Roadways <b>[35%]</b>	MSU/ISU		In progress	In progress						

# Upcoming Relevant Geotech Events

- *Webinar: Pavement Instrumentation and Monitoring*

Thursday, August 13, 2020 from 1:00 to  
2:00 PM CT

Technology and applications related to instrumentation and monitoring of Pavements. Technology will include sensor types, installation concerns, and data collection hardware. Applications will apply to accelerated pavement test facilities and test pavements for highways, airports, and haul roads.

Presenter: Tom L. Weinmann (BDI)

Host: Shane D. Boone

<https://attendee.gotowebinar.com/register/2174235174536824588?source=Pavement+Instrumentation+and+Monitoring-Email>

# Upcoming Relevant Geotech Events

- TRB Webinar: *Enhancing Pavement Foundation Resilience through Moisture Measurement*

Thursday, September 17, 2020 from 2:00  
to 3:30 PM Eastern

TRB Standing Committee on Mechanics and Drainage of Saturated and Unsaturated Geomaterials.

## **Agenda/Presenters**

1. Cost saving opportunities from more effective moisture measurement: John Siekmeier, *Minnesota Department of Transportation*
2. Spatial and seasonal moisture variation: Soheil Nazarian, *University of Texas at El Paso*
3. Field testing equipment currently available: Timo Saarenketo, *Roadscanners*
4. Question and answer session: Moderated by John Siekmeier, *Minnesota Department of Transportation*

The first 60 minutes of the webinar will be for presentations and the final 30 minutes will be reserved for audience questions.

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5. Do other states allow overlaps of geotextiles in lieu of sewing or gluing?
- 6. Questions/Requests**