## National Road Research Alliance Geotechnical Team August Meeting

Terry Beaudry
Reclamation/Grading Engineer

## **Agenda**

- 1. Welcome and Introductions
  - New Members/New Attendees Introduction
- 2. General NRRA Update
  - RFPs Update
  - Looking for TAP Members for New Projects
  - Review Action Items for Geo Team -2022 MnROAD Construction
  - Timeline
- 3. State/Agency Member Topic for Discussion
- 4. Update Ongoing Research Projects
- 5. Final Presentation- Drainability of Base Aggregate and Sand
- 6. Questions/Requests

## **General NRRA Update**

RFPs Update

## **Looking for TAP Members**

- Performance Evaluation of Wicking Geotextiles for Improving Drainage and Stiffness of Road Foundation
  - Emil Bautista, MnDOT
  - Terry Beaudry, MnDOT
  - Deepak Maskey, Caltrans
  - Eric Olson, TenCate Geosynthetics
  - Raul Velasquez, MnDOT (TL)
  - Supraja Reddy, Illinois Tollway
- Flooded Pavements Assessment App Phase II (UNH)
  - Tim Andersen, MnDOT
  - Terry Beaudry, MnDOT
  - Deepak Maskey, Caltrans
  - Heather Shoup, Illinois DOT
  - Raul Velasquez, MnDOT
  - Ben Worel, MnDOT

## **General NRRA Update**

- Review Action Items for Geo Team -2022
   MnROAD Construction
  - PCC sections: vibration monitoring in foundation
  - Any technologies that can be used/tested?

## **General NRRA Update**

• Timeline

## NRRA Annual Meeting/Workshop

### September 13-15, 2021

Earle Brown Heritage Center, 6155 Earle Brown Dr, Brooklyn Center, MN 55430

https://www.dot.state.mn.us/mnroad/nrra/pavement-workshop/index.html

#### Monday, September 13, 1 p.m. - 5 p.m. NRRA Day

NRRA Executive Meeting NRRA discussion around implementation

#### Tuesday, September 14, 8 a.m. - 5 p.m. | NRRA Day

Welcome & NRRA Update | Glenn Engstrom, NRRA executive director State Implementation Results | State members Poster session for all projects 2022 MnROAD Construction | MnROAD Staff Invited Speaker Teams Project Updates Choose the projects you want to hear from.

#### Wednesday, September 15, 9 a.m. - 4 p.m., MnROAD | Open House Day

Tours & Demos Equipment Display PG Tour (TH-169, CSAH-8)

# State/Agency Member Topic for Discussion?

- A different State/Agency every month
- 5-10 min
- Sharing with NRRA Geotech Team:
  - Lessons learned
  - New technology
  - Challenging project
  - etc

## **Update Research Projects**

Project	Team	Task 1	Task 2	Task 3	Task 4	Task 5	Task 6	Task 7	Task 8	Task 9 & 10
Mechanistic Load Restriction Decision Platform for Pavement Systems Prone to Moisture Variations [98%]	UNH									Addres. TAP feedback
Environmental Impacts on the Performance of Pavement Foundation Layers [98%]	MSU				CTS review					
Permeability of Base Aggregate and Sand [98%]	UWM				CTS review					
Improve material inputs into mechanistic design properties for reclaimed HMA Roadways [100%]	MSU/ISU									
Continuous Moisture Measurement during Pavement Foundation Construction [30%]	UTEP			In progress	In progress					
Performance Evaluation of Wicking Geotextiles for Improving Drainage and Stiffness of Road Foundation [0%]	RFP									
Flooded Pavements Assessment App—Phase 2 [0%]	Direct Select (UNH)									

## Final Presentation-Drainability of Base Aggregate and Sand

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