

National Road Research Alliance Geotechnical Team December Meeting

**Terry Beaudry
Reclamation/Grading Engineer**

Agenda

1. Welcome and Introductions
2. General NRRRA Update
3. Update Ongoing Research Projects
4. Conclusions and Recommendations for RAB+LSSB Project
5. Questions/Requests

General NRRA Update

- NRRA Executive Committee
 - Meeting this month – Date and Time TBD
 - Discussion of NRRA Phase II Direction and Spending Plan
 - *Any Geotech Team feedback?*
- NRRA Phase-I Projects
 - Review 10 projects that need to be contracted by Feb 2021 and their current status
 - MnDOT staff have been working on TAPs and workplans but need teams help. Contracting can take up to 6 weeks or more
- MnDOT received 2022 Construction funding
 - Teams will be developing the ideas for the interstate mainline starting in 2021
 - LVR will be constructed through the Call for Construction

General NRRA Update

- We are asking for current members to help continue spreading the word about NRRA (Phase 2 – February 2021)
 - Marketing Kit ([Download](#))
- MnDOT Transitions to MS Teams
 - Effective January 2021, meetings in MS Teams
- Next RPO:
 - Tuesday December 15, *“Evaluation of Performance of MnDOT Unbonded Overlay Using Reliability Analysis”* presented by Bernard I. Izevbekhai, P.E., Ph.D., MnDOT
- NRRA Geotech Workshop TRB 2021 (Friday Jan 22, 2021, 2- 5PM ET):
 - *Climatic Impacts on Performance of Road Foundation (AKG30)*
 - B. Worel, H. Ceylan, B. Cetin, M. Ghayoomi, E. Dave, and R. Velasquez

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 [95%]	MSU/ISU /UWM								TAP reviewing	
Mechanistic Load Restriction Decision Platform for Pavement Systems Prone to Moisture Variations [75%]	UNH					TAP reviewing	In progress			
Environmental Impacts on the Performance of Pavement Foundation Layers [65%]	MSU			In progress	In progress	Hatched area				
Permeability of Base Aggregate and Sand [70%]	UWM				In progress					
Improve material inputs into mechanistic design properties for reclaimed HMA Roadways [70%]	MSU/ISU			TAP reviewing	In progress					
Continuous Moisture Measurement during Pavement Foundation Construction	UTEP	Contract TAP Workplan					Hatched area			

Determining Pavement Design Criteria for Recycled Aggregate Base and Large Stone Subbase

Research Team Update – Conclusions and Recommendations

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