1. Welcome and Introductions
2. General NRRA Update
3. Summary Unsaturated Soil Mechanics Webinar
4. Update Ongoing Research Projects
5. System Dynamics (SD) for Pavement Applications (UNH)
6. Questions/Requests
General NRRA Update

2020 Pavement Workshop Updates

Fully finalized for webinars throughout remainder of summer and into fall

June

Wednesday, June 10, 9 a.m. - 12 p.m. | Virtual Workshop: Current Practices for Lightly Surfaced Roads – Minnesota LTAP

This webinar is not hosted by the NRRA, but is about NRRA research. Register with the UMN for the free session.

*Wednesday, June 17, time TBD | Rigid: The Latest in Design Procedures for Rigid Pavements

Speakers: Julie Vandenbossche, Ph.D. (UPitt) and Lev Khazanovich, Ph.D. (UPitt)

- PittRigid (20 min. presentation + 5 minutes for questions)
- BCOA-ME (20 min. presentation + 5 minutes for questions)
- UBOLDesign (20 min. presentation + 5 minutes for questions)

*Thursday, June 18, 10 - 11:30 a.m. | ICT: Paver Technology to Solve Segregation and Smoothness Issues (Session 1)

- Speakers: Narsingh Laikram (Wirtgen Group), Henry Polk (BoMag), Todd Mansell (CAT)

*Wednesday, June 24, 10 - 11 a.m. | Rigid: Innovations in Concrete Pavements

- Speaker: Peter Taylor, Ph.D. (Iowa State)
Summary Unsaturated Soil Mechanics Webinar

- **212 attended** (Agency, Academia, Contractor, Consultant, Tech Manufacturer)
- Engaging QA session at end
- Slides available @ [http://dot.state.mn.us/mnroad/nrra/structure-teams/geotechnical/index.html](http://dot.state.mn.us/mnroad/nrra/structure-teams/geotechnical/index.html)
- Voice recording available for first 40 min
## Update Research Projects

<table>
<thead>
<tr>
<th>Project</th>
<th>Team</th>
<th>Task 1</th>
<th>Task 2</th>
<th>Task 3</th>
<th>Task 4</th>
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<tbody>
<tr>
<td>Determining Pavement Design Criteria for Recycled Aggregate Base and Large Stone Subbase [80%]</td>
<td>MSU/ISU/UWM</td>
<td>In progress</td>
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<td>Mechanistic Load Restriction Decision Platform for Pavement Systems Prone to Moisture Variations [50%]</td>
<td>UNH</td>
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<td>Environmental Impacts on the Performance of Pavement Foundation Layers [25%]</td>
<td>MSU</td>
<td>In progress</td>
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<td>Permeability of Base Aggregate and Sand [30%]</td>
<td>UWM</td>
<td>TAP review</td>
<td>In progress</td>
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<td>Improve material inputs into mechanistic design properties for reclaimed HMA Roadways [25%]</td>
<td>MSU/ISU</td>
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<td>Subgrade Design for New and Reconstructed Roadways [5%]</td>
<td>SRF</td>
<td>In progress</td>
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