# Draft Meeting Notes

# NRRA Intelligent Construction Technologies (ICT) Team

Date: June 6, 2020

Prepared by: John Siekmeier

Location: Skype

## Attendance

### Agency Members

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Other Attendees: Brett Williams,

Action items:

Ben will sent results of NRRA Call for Innovation.

Lauren will send invitations to ICT webinars and team meeting presentation reminders.

**Next Meeting**

Date: July 9, 2020

Time: 10:30-11:30AM Central Time

Location: Skype

Agenda items: TBD

## Meeting Notes

## Welcome

### NRRA Pooled Fund Update (Ben Worel)

### NRRA Call for Innovation

### The NRRA Call for Innovation received more than 20 proposals. Ratings have been completed. Ben will send results from June 12 Executive Committee meeting. Three to four projects are expected to be funded plus additional depending on available funding.

### Call for MnROAD Construction

### There are test sections available at MnROAD that are available for new experiments. Partnerships are welcome and encouraged. Please submit ideas to Ben and Rebecca.

### Current Project Status

### Please see NRRA ICT team webpage:

### <http://www.dot.state.mn.us/mnroad/nrra/structure-teams/intelligent-construction/index.html>

### Support Importing, Viewing, and Analysis of Dielectric Constant Data in Veta

### This project requires GPR dielectric data files in the AASHTO intelligent construction data standard format. No standardized format has been received from the vendor in spite of multiple requests. It is likely that the funding for this task will need to be repurposed if these required data files are not received very soon.

### Evaluation of Levels 3-4 Intelligent Compaction Measurement Values (ICMV) for Soils Subgrade and Aggregate Subbase Compaction

### Continuing to make progress. Due to CV19, field work on pilot projects delayed until 2021.

### Seismic Approach to Quality Management of HMA

### Continuing to make progress. First technical panel meeting was January 23, 2020. 1st Quarter Report submitted and approved April 22, 2020.

### E-ticketing

### Continuing to make progress on pilot projects during 2020. Synthesis report submitted and approved December 2019.

### NRRA Pooled Fund Phase 2

### Solicitation has been posted as “National Road Research Alliance - NRRA (Phase-II) <https://www.pooledfund.org/Details/Solicitation/1531>

### DOT contributions per previous, but with Veta development participation option added for $25k.

### NRRA Workshop Modified to Multiple Webinars

### <https://content.govdelivery.com/accounts/MNDOT/bulletins/28d7350>

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### NRRA Webinars

### Webinar #1: Thursday, June 18, 2020, 10:00-11:30 am central

### “Paver Technology to Solve Segregation and Smoothness Issues”

### Speakers: Narsingh Laikram (Wirtgen Group), Henry Polk (Bomag), Todd Mansell (CAT)

### Webinar #2: Wednesday, July 8, time TBD

### “Intelligent Construction Technologies (ICT) and What We Learned”

### Moderator: George Chang, The Transtec Group

### “State Update: Continuous Asphalt Compaction Assessment using Dielectric Profile Method” Speaker: Craig Landefeld, Ohio DOT

### “Improving Workmanship using the Paver Mounted Thermal Profile Method”

### Speaker: Ed Morison, Shelly and Sands

### “Florida DOT’s Experience with e-Ticketing” Speaker: Richard Hewitt, Florida DOT

### Webinar #3: Wednesday, August 12, 2020, 10:00-11:30 am central

### "Best Practices of AMG Milling and Paving from Design to Construction"

### Speakers: Kyle Klasen (WSB and Associates), Thomas Abell (Ziegler | CAT),

### Dan Schellhammer (Midstate Reclamation & Trucking, Inc.)

### Moderator: Curt Turgeon (MnDOT)

**Project Updates during Monthly ICT Meetings**

* August 6 “Evaluation of Levels 3-4 Intelligent Compaction Measurement Values (ICMV) for Soils Subgrade and Aggregate Subbase Compaction”

Soheil Nazarian, Ph.D. (UTEP) and George Chang, Ph.D. (The Transtec Group)

* September 3 “Seismic Approach to Quality Management of Asphalt Pavements”

Choon Park, Ph.D. (Park Seismic)

**Research Pays Off (na)**

### TPF-5 (334) Veta Enhancements Pooled Fund (Rebecca Embacher)

Veta 6 with new enhancements is available. Please see this link <https://www.intelligentconstruction.com/veta/>

Please note that website address changed from “intelligent compaction” to “intelligent construction.” Reminder that you may have web pages that need to updated to include this new address.

MnDOT Veta 6 training class is online at <http://www.dot.state.mn.us/materials/amt/vetaclass/>

Please note that the current focus has been to create videos and workflows, which are intended to provide a learning process useful to individuals with various learning styles. Several mention great job getting all the Veta training online.

The pooled fund expires December 31, 2020, and therefore we need to start processing the paperwork for the second phase.

### Round Robin

Updates from team members.

* Ben requests project updates from NRRA sponsored projects for website update.
* George will promote webinar through International Society for Intelligent Construction (ISIC) and share new Veta release. <https://www.intelligentconstruction.com/veta/>
* Veta 6 training class is online at <http://www.dot.state.mn.us/materials/amt/vetaclass/>