



Meeting Minutes: NRRRA Intelligent Construction Technologies (ICT) Team

(Agency & Associate Member Meeting)

Date: November 7, 2019
 Minutes prepared by: Rebecca Embacher and John Siekmeier
 Location: Skype

Attendance

Agency Members

Participated	Affiliation	State Contact	e-mail
<input checked="" type="checkbox"/>	California	Deepak Maskey	deepak.maskey@dot.ca.gov
<input checked="" type="checkbox"/>	California	Ragu Thangavelautham	raguparan.thangavelautham@dot.ca.gov
<input type="checkbox"/>	Illinois	Brian Hill	Brian.Hill@illinois.gov
<input checked="" type="checkbox"/>	Minnesota	Rebecca Embacher	rebecca.embacher@state.mn.us
<input type="checkbox"/>	Minnesota	Kyle Hoegh	kyle.hoegh@state.mn.us
<input type="checkbox"/>	Missouri	Jen Harper	Jennifer.Harper@modot.mo.gov
<input checked="" type="checkbox"/>	Missouri	Dan Oesch	Daniel.Oesch@modot.mo.gov
<input checked="" type="checkbox"/>	North Dakota	Curt Dunn	cdunn@nd.gov
<input type="checkbox"/>	North Dakota	Amy Beise	abeise@nd.gov

Associate Members

Participated	Affiliation	Contact	e-mail
<input type="checkbox"/>	American Engineering and Testing, Inc.	Derek Tompkins	dtompkins@amengtest.com
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<input type="checkbox"/>	The University of Texas at El Paso	Nazarian Soheil	nazarian@utep.edu
<input type="checkbox"/>	GSSI	Roger Roberts	roger@geophysical.com



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<input checked="" type="checkbox"/>	Moba	Paul Angerhofer	pangerhofer@moba.de
<input checked="" type="checkbox"/>	The Transtec Group, Inc.	George Change	GKChang@TheTranstecGroup.com
<input type="checkbox"/>	Topcon Positioning Systems, Inc.	Evan Monroe	emonroe@topcon.com
<input checked="" type="checkbox"/>	Topcon Positioning Systems, Inc.	Jim Preston	jpreston@topcon.com
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Friends

Participated	Affiliation	State Contact	e-mail
<input checked="" type="checkbox"/>	FHWA – MN	Kevin Kliethermes	Kevin.Kliethermes@dot.gov
<input checked="" type="checkbox"/>	Minnesota	Curt Turgeon	curt.turgeon@state.mn.us
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<input type="checkbox"/>	North Dakota	Darin Lindblom	dlindblom@nd.gov
<input type="checkbox"/>	North Dakota	Carey Schreiner	
<input type="checkbox"/>	North Dakota	David Bruins	
<input type="checkbox"/>	North Dakota	Nathan Haaland	

Other Attendees: none

Decisions Made

- None at this time.

Action items

- NRRRA ICT Team | Review proposed session and presentation topics for NRRRA workshop. (See attached draft agenda.)
- NRRRA ICT Team | Send December agenda items to Rebecca Embacher.
- NRRRA ICT Team | Send preference to Rebecca Embacher regarding Veta training during NRRRA workshop. Monday afternoon (5/18/20) or Friday morning (5/22/20)
- Nars Laikram | Coordinate presentation and presenters for “Session 1 – Paver Technology to Solve Segregation and Smoothness Issues”
- Nars Laikram | Contact Ed Morison with Shelly and Sands to see if willing to present on “Improving Workmanship using the Paver Mounted Thermal Profile Method”
- John Siekmeier will check on possibly recording Veta training for future on-demand viewing.
- Ben Worel will follow-up with date/time of NRRRA TRB 2020 meeting.

Agenda

- NRRRA Executive Committee update
- NRRRA 2020 Workshop
- International Society for Intelligent Construction – Northern America Chapter & Intelligent Construction Technologies Expert Task Group
- Project Updates
- Round Robin



Next Meeting

Date: December 9, 2019

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

Location: Skype

(no conference call will be used; skype audio is also available via smart phone application if needed)

Agenda items: TBD

Date: January 9, 2020

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

Location: Skype

(no conference call will be used; skype audio is also available via smart phone application if needed)

Agenda items: TBD

Meeting Notes

NRRRA Executive Committee Update (Worel)

Travel expense reimbursement is available for NRRRA pooled fund state DOT members to participate in the 2020 TRB Annual Meeting. Please contact Ben. An NRRRA meeting is being planned. Others mentioned that many TRB attendees begin leaving on Wednesday. Ben will follow-up with date/time.

NRRRA Call for Innovation projects have been selected. Contracts are being developed.

NRRRA 2020 Workshop planning is underway.

NRRRA Workshop

The majority of the meeting was spent as a working session on discussion and selection of preliminary session and presentation topics for day 1. Please see below.

Still looking for presentation topics for day 3 of the NRRRA workshop. Let Ben Worel and/or Rebecca Embacher if you have any ideas.



2020 NRRRA Pavement Workshop

"Real World Intelligent Construction Technologies Available Today"

Shoreview, MN

Tuesday, May 19, 2020

7:30 AM – 8:00 AM	Registration and Continental Breakfast
8:00 AM – 8:30 AM	Welcome and International Society for Intelligent Construction – Northern America Chapter (ISIC-NA) Tim Kowalski, Wirtgen Group
8:30 AM – 10:00 AM	Session 1 – Paver Technology to Solve Segregation and Smoothness Issues Moderator – NRRRA DOT (TBD)
8:30 AM – 10:00 AM	Joint presentation by vendors <i>(send Presenters to Rebecca by Friday, December 6, prior to our next meeting, December 9. Nars will coordinate)</i>
10:00 AM – 10:30 AM	Break / Vendor Exhibits
10:30 AM – 12:00 AM	Session 2 – Intelligent Construction Technologies (ICT) and What we Learned Moderator – Curt Turgeon ?
10:30 AM – 11:00 AM	e-Ticketing Pilot Projects TBD
11:00 AM – 11:30 AM	Continuous Asphalt Compaction Assessment using Dielectric Profile Method State Update (Maine DOT? Ohio DOT? Alaska DOT?)
11:30 AM – 12:00 PM	Improving Workmanship using the Paver Mounted Thermal Profile Method Ed Morison, Shelly and Sands??
12:00 PM – 1:00 PM	Lunch / Vendor Exhibits



1:00 PM – 3:30 PM

Session 3 – Independent Owner Verification of Contractor Supplied Intelligent Construction Technology (ICT) Data Moderator – Steve Cooper, FHWA

1:00 PM – 1:30 PM

23 Code of Federal Regulations (CFR) Part 637 Overview Dennis Dvorak, FHWA?

1:30 PM – 2:00 PM

Update on Independent Verification Methods for Intelligent Compaction (IC), Paver Mounted Thermal Profiling (PMTP) and e-Ticketing Technologies
Rebecca Embacher, MnDOT

2:00 PM – 2:30 PM

Update on Independent Verification Method for the Dielectric Profile Method
Kyle Hoegh, MnDOT & Richard Giessel, Alaska DOT?

2:30 – 3:00

Break / Vendor Exhibits

3:00 – 4:15

Session 4 – Implementing Building Information Modeling (BIM) during Pavement

Moderator – Greg Hruby

3:00 PM – 3:30 PM

TBD

TBD

3:30 PM – 4:15 PM

TBD

TBD

4:30 PM – 6:00 PM

MnROAD Site Visit (optional)

Veta Hands-On Demonstration

Remote Location or Offsite Computer Lab

Overview of features available within Veta and focus on the use of the AASHTO PP80 & PP81 standardized data lot naming convention in construction and within Veta.

Which option is preferred? Monday Afternoon (5/18/20) or Friday Morning (5/22/20)