



# Meeting Minutes: NRRRA Intelligent Construction Technologies (ICT) Team (Meeting No. 6)

(Agency & Associate Member Meeting)

Date: January 3, 2019  
 Minutes prepared by: Rebecca Embacher  
 Location: Skype

## Attendance

### Agency Members

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

### Associate Members

Participated	Affiliation	Contact	e-mail
<input checked="" type="checkbox"/>	American Engineering and Testing, Inc.	Derek Tompkins	<a href="mailto:dtompkins@amengtest.com">dtompkins@amengtest.com</a>
<input checked="" type="checkbox"/>	Braun Intertec	Heidi Olson	<a href="mailto:holson@braunintertec.com">holson@braunintertec.com</a>
<input type="checkbox"/>	Caterpillar Global Paving	Bryan Downing	<a href="mailto:Downing_Bryan_J@cat.com">Downing_Bryan_J@cat.com</a>
<input type="checkbox"/>	Caterpillar Global Paving	Todd Mansell	<a href="mailto:mansell_todd_w@cat.com">mansell_todd_w@cat.com</a>
<input type="checkbox"/>	Concrete Paving Association	Matt Zeller	<a href="mailto:mjzeller@cpamn.com">mjzeller@cpamn.com</a>
<input type="checkbox"/>	The University of Texas at El Paso	Nazarian Soheil	<a href="mailto:nazarian@utep.edu">nazarian@utep.edu</a>
<input type="checkbox"/>	GSSI	Roger Roberts	<a href="mailto:roger@geophysical.com">roger@geophysical.com</a>
<input checked="" type="checkbox"/>	GSSI	Roger Sommerfeldt	<a href="mailto:sommerfeldtr@geophysical.com">sommerfeldtr@geophysical.com</a>
<input checked="" type="checkbox"/>	Infrasense	Ken Maser	<a href="mailto:kmaser@infrasense.com">kmaser@infrasense.com</a>
<input checked="" type="checkbox"/>	Leica Geosystems	Brad Adams	<a href="mailto:brad.adams@leicaus.com">brad.adams@leicaus.com</a>
<input checked="" type="checkbox"/>	Mathy Construction	Erv Dukatz	<a href="mailto:ervin.dukatz@mathy.com">ervin.dukatz@mathy.com</a>



<input type="checkbox"/>	Midstate Reclamation & Trucking, Inc.	Dan Schellhammer	<a href="mailto:dans@midstatecompanies.com">dans@midstatecompanies.com</a>
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<input checked="" type="checkbox"/>	Moba	Paul Angerhofer	<a href="mailto:pangerhofer@moba.de">pangerhofer@moba.de</a>
<input type="checkbox"/>	The Transtec Group, Inc.	George Change	<a href="mailto:GKChang@TheTranstecGroup.com">GKChang@TheTranstecGroup.com</a>
<input type="checkbox"/>	Topcon Positioning Systems, Inc.	Evan Monroe	<a href="mailto:emonroe@topcon.com">emonroe@topcon.com</a>
<input type="checkbox"/>	Topcon Positioning Systems, Inc.	Jim Preston	<a href="mailto:jpreston@topcon.com">jpreston@topcon.com</a>
<input checked="" type="checkbox"/>	Trimble	Kevin Garcia	<a href="mailto:kevin_garcia@trimble.com">kevin_garcia@trimble.com</a>
<input type="checkbox"/>	Trimble	Devin Laubhan	<a href="mailto:devin_laubhan@trimble.com">devin_laubhan@trimble.com</a>
<input type="checkbox"/>	WSB & Associates, Inc.	Mike Rief	<a href="mailto:mrief@wsbeng.com">mrief@wsbeng.com</a>

## Friends

Participated	Affiliation	State Contact	e-mail
<input checked="" type="checkbox"/>	FHWA – MN	Kevin Kliethermes	<a href="mailto:Kevin.Kliethermes@dot.gov">Kevin.Kliethermes@dot.gov</a>
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<input checked="" type="checkbox"/>	Minnesota	Ben Worel	<a href="mailto:ben.worel@state.mn.us">ben.worel@state.mn.us</a>
<input checked="" type="checkbox"/>	Minnesota	Bob Filipczak	<a href="mailto:robert.filipczak@state.mn.us">robert.filipczak@state.mn.us</a>
<input type="checkbox"/>	Minnesota	Dave Van Deusen	<a href="mailto:dave.vandeusen@state.mn.us">dave.vandeusen@state.mn.us</a>
<input checked="" type="checkbox"/>	Minnesota	Shongtao Dai	<a href="mailto:shongtao.dai@state.mn.us">shongtao.dai@state.mn.us</a>

Other Attendees:

## Decisions Made

- The NRRRA ICT Team has proposed to move the following three (3) projects forward to the Executive Committee for funding:
  - Idealscale No. 236: Evaluation of Levels 3-4 Intelligent Compaction Measurement Values (ICMV) for Soils Subgrade and Aggregate Subbase Compaction
  - Idealscale No. 235: Supporting Importing, Viewing and Analysis of Dielectric Constant Data in Veta.
  - Idealscale No. 268: HD and VHD Seismic Approaches for Roadway Evaluation.
- Agreed to move forward with holding a BIM for Pavements Workshop 1-day prior to the NRRRA Pavement Workshop.



## Action items

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- NRRRA-ICT Team | Let Embacher know if interested in participating as a TAP member on any of the projects moving forward.
- BIM for Pavements Workshop | Put together a planning committee and start planning the event as soon as possible.

## Agenda

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- Final Selection of Projects for Funding
- Survey Monkey Results for BIM for Pavements Workshop

## Next Meeting

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Date: February 7, 2018

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: NRRRA General Update, NRRRA Workshop, Short- and Long-term research

## Meeting Notes

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### NRRRA – ICT Proposed Topics for Funding

(Embacher) Compiled the rankings supplied by team members. The team reviewed the results and decided to move the top three (3) items forward for consideration for funding by the Executive Committee:

- Idealscale No. 236: Evaluation of Levels 3-4 Intelligent Compaction Measurement Values (ICMV) for Soils Subgrade and Aggregate Subbase Compaction
- Idealscale No. 235: Supporting Importing, Viewing and Analysis of Dielectric Constant Data in Veta.
- Idealscale No. 268: HD and VHD Seismic Approaches for Roadway Evaluation.

A technical advisory panel (TAP) is needed to help guide the work. Please let Embacher know you if you are interested in participating on one or more of the projects.



## **BIM for Pavements – 1 Day Workshop**

(Embacher) A survey monkey was sent out to the NRRRA – ICT team for input regarding the BIM workshop. The following summarizes the results:

1. Yes, there is interest in holding a 1-day workshop on BIM for pavements prior to the NRRRA Pavement Workshop.
2. Approved that Non-NRRRA members can present at the workshop.
3. Preferred date of the workshop was May 21, 2019.
4. No comments were provided.

It was agreed upon that we would move forward with this workshop and that a planning committee should be established. Please let Embacher know you if you are interested in participating on the planning committee.

## **General Updates**

(Worel) Updates on the next steps for moving forward the above proposed projects were discussed. Projects need final review and approval by executive team before moving forward.