

research for winter highway maintenance

## AGENDA Clear Roads 2016 Spring Meeting Tuesday - Thursday, April 12-14, 2016 Radisson Hotel Providence Airport, Warwick, Rhode Island Meeting Room: University Ballroom

Monday, April 11, 2016

Dinner on your own.

## Tuesday, April 12, 2016 - 8:00 am to 5:00 pm

A breakfast buffet will be available in the University Ballroom (our meeting room) starting at 6:30 am.

Time	Facilitator	Торіс
8:00 to 8:15	Justin Droste	Introductions and Meeting Objectives
		<ul> <li>Welcome and opening remarks. (Director, RIDOT)</li> </ul>
		<ul> <li>Introductions and welcome new members. (Justin Droste)</li> </ul>
		Brief overview of Clear Road's goals and activities. (Justin Droste)
		Review the agenda. (Justin Droste)
8:15 to 8:45	Justin Droste	<b>Clear Roads TAC Vice Chair</b> Determine course of action to replace J. Juelfs as CR's Vice Chair.
8:45 to 9:15	Justin Droste or Greg Waidley	<b>Options for Selecting Synthesis Projects</b> Determine how to handle the submission and selection of CTC synthesis projects.
9:15 to 10:00	Justin Droste	<b>Research and Synthesis Proposal Presentations</b> Presentation and discussion of Clear Roads research and synthesis proposals.
10:00 to 10:15		Break
10:15 to 12:00	Justin Droste	Research and Synthesis Proposals (cont'd)
12:00 to 1:00	Lunch	A catered lunch will be provided (University Ballroom).
1:00 to 2:30	Justin Droste	Research and Synthesis Proposals (cont'd) Complete presentation and discussion of research proposals. TAC members will submit scores for each proposal.
2:30 to 3:00	Greg Waidley	Clear Roads Budget and Available Funds
3:00 to 3:15		Break
3:15 to 3:45	John Mehlhaff	South Dakota State Report (Including at least one CR-based implementation activity/effort)
3:45 to 4:45	Justin Droste	<b>Establishing a New Pooled Fund Project Number for Clear Roads</b> MnDOT will be requesting approval from FHWA to establish a new pooled fund project number for Clear Roads beginning in FFY2017. The group will discuss potential changes to the scope of work used to request approval for the current Clear Roads project.
4:45 to 5:00	Justin Droste	Wrap up

Wednesday, April 13, 2016 – 8:00 am to 5:00 pm A breakfast buffet will be available in the University Ballroom (our meeting room) starting at 6:30 am.

Time	Presenter	Topic/ Description
8:00 to 8:15	Justin Droste	Review Day 2 Agenda
8:15 to 9:15	Greg Waidley	Select FY 2016 Projects Review scores/rankings and finalize list of funded projects.
9:15 to 9:30	Justin Droste	Review Role of Project Champion and Subcommittee Members
9:30 to 10:00	Justin Droste/ Greg Waidley	<b>Next Steps and Subcommittee Selection</b> Select project oversight committee members for new projects. Discuss next steps for developing RFPs.
10:00 to 10:15		Break
10:15 to 12:00	Various	<ul> <li>Update on Projects in Progress</li> <li>12-03 Understanding the Chemical and Mechanical Performance of S&amp;I Control Agents on Porous or Permeable Pvmts (Mike Lashmet)</li> <li>12-04 Snowplow Operator and Supervisor Training (Michael Sproul)</li> <li>14-01 Synthesis of GPS/AVL Equipment Used for Winter Maintenance (Patti Caswell)</li> <li>14-02 Quantifying the Impact that New Capital Projects Will Have on Roadway Snow and Ice Control (RSIC) Operations (Wayne Gammell)</li> <li>14-03 Developing a Training Video and Manual for Best Practices and Techniques in Clearing Different Interchange Configurations and Other Geometric Layouts (Justin Droste)</li> <li>14-04 Plug and Play, Phase 2 (Allen Williams)</li> <li>14-05 Snow Removal Performance Metrics – Phase I: Synthesis (Allen Williams)</li> <li>14-07 Snowplow Route Optimization (Clay Adams)</li> <li>15-01 Synthesis of Material Application Methodologies for Winter Operations (Jeff Pifer)</li> <li>15-02 Identification and Recommendations for Correction of Equipment Factors Causing Fatigue in Snowplow Operators (Allen Williams)</li> <li>15-03 North American Study on Contracting Snow and Ice Response (Justin Droste)</li> <li>Pacific Northwest Snowfighters (Ron Wright)</li> <li>Winter Data Statistics (Justin Droste)</li> </ul>
12:00 to 1:00	Lunch	A catered lunch will be provided (University Ballroom).
1:00 to 1:30	Various	Update on Projects in Progress (cont'd)
1:30 to 2:30	Scott Lucas/ Justin Droste	<b>Project Evaluation and Implementation/Technology Transfer</b> Review results of the individual post-project implementation surveys and feedback from completed project closeout forms.
2:30 to 3:00	Rick Nelson	SICOP and PIARC Report
3:00 to 3:15		Break
3:15 to 3:45	James Morin	Washington State Report (Including at least one CR-based implementation activity/effort)
3:45 to 4:15	Greg Waidley	Google Analytics for Clear Roads Website
4:15 to 4:45	Todd Hanley	Alaska State Report (Including at least one CR-based implementation activity/effort)
4:45 to 5:00	Justin Droste	Wrap Up

Thursday, April 14, 2016 – 8:00 am to 3:15 pm A breakfast buffet will be available in the University Ballroom (our meeting room) starting at 6:30 am.

Time	Facilitator	Торіс
8:00 to 8:15	Justin Droste	Review Day 3 Agenda
8:15 to 9:15	Greg Waidley/ Justin Droste	<b>Future Meetings</b> Discuss plans for the Fall 2016 and Spring 2017 meetings.
9:15 to 9:45	Mark DeVries	APWA Report
9:45 to 10:00		Break
10:00 to 12:00	Various	<b>Outcomes of Recently Completed Projects</b> (include a reminder of project need and goals, as well as outcomes and implementation opportunities/successes)
		<ul> <li>13-02 Understanding the Characteristics, Benefits, and Mechanisms of Commonly Used Agricultural and Mineral By-Products in the Deicer Industry (Ron Wright)</li> </ul>
		<ul> <li>14-10 FHWA Salt Management BMP (Mark DeVries)</li> </ul>
12:00 to 1:00	Lunch	A catered lunch will be provided (University Ballroom).
1:00 to 1:30	Phillip Anderle	Indiana State Report (Including at least one CR-based implementation activity/effort)
1:30 to 2:00	Alastair Probert	Delaware State Report (Including at least one CR-based implementation activity/effort)
2:00 to 2:30	Gabe Guevara	FHWA Report
2:30 to 2:45	Justin Droste	Wrap Up