



**AGENDA**  
**Clear Roads Fall Meeting**  
**September 21-23, 2021**  
**Sheraton Madison Hotel; State Street Room**  
**706 John Nolan Drive, Madison, WI 53713**

**Monday, September 20, 2021**

Dinner on your own.

**Tuesday, September 21, 2021 – 8:00 a.m. to 4:45 p.m.**

Breakfast provided in the State Street Room beginning at 7:00 am.

**GoToMeeting Credentials...**

Link to:

<https://global.gotomeeting.com/join/687050165>

Using your phone:

United States: +1 (872) 240-3212

Access Code: 687-050-165

Time	Facilitator	Topic
8:00 to 8:30	Patti Caswell	<b>Introductions and Meeting Objectives</b> <ul style="list-style-type: none"> <li>• Welcome and opening remarks</li> <li>• Introductions</li> <li>• Brief overview of Clear Roads goals and activities</li> <li>• Agenda review</li> </ul>
8:30 to 10:00	Various	<b>Proposal Discussions</b> Review and evaluate proposals for the following projects: <ul style="list-style-type: none"> <li>• <b>21-01:</b> Grip Sensor Technology and Salt Application (Kevin D)</li> <li>• <b>21-02:</b> Update to CR 13-04 Best Practices for Protecting DOT Equipment from the Corrosive Effect of Chemical Deicers (Todd L)</li> <li>• <b>21-03:</b> The Efficacy and Environmental Impact of Non-Chloride Deicers (Doug M)</li> <li>• <b>21-04:</b> Training Module Development for CR 18-03 Evaluation of SSI/WSI Variables (James M)</li> <li>• <b>21-05:</b> Synthesis: Evaluation of Electric Vehicle Technologies for Winter Operations (Justin D)</li> <li>• <b>21-06:</b> Calculated Plow Cycle Times from AVL Data (Jamie Y)</li> <li>• <b>21-07:</b> Determining the Migration of Chloride-based Deicers through Different Soil Types Adjacent to Chloride-treated Roadways (Aidan N)</li> </ul>
10:00 to 10:15		<b>Break</b>
10:15 to 12:00	Various	<b>Proposal Discussions (cont'd)</b>
12:00 to 1:00		<b>Lunch</b>
1:00 to 2:00	Various	<b>Proposal Discussions (cont'd)</b>

2:00 to 2:45	Todd Miller	<b>Missouri State Report</b> (Including CR project-based implementation activities/efforts)
2:45 to 3:00	Greg Waidley	<b>Clear Roads Budget</b> Overview of the Clear Roads budget TPF-5(353).
3:00 to 3:15		<b>Break</b>
3:15 to 4:00	Jamie Yount	<b>Colorado State Report</b> (Including CR project-based implementation activities/efforts)
4:00 to 4:45	TBD	<b>Business Roundtable</b>
4:45	Patti Caswell	<b>Wrap-Up</b>
		<b>Dinner (on your own)</b>

**Wednesday, September 22, 2021 – 8:00 a.m. to 4:30 p.m.**

Breakfast provided in the State Street Room beginning at 7:00 am.

**GoToMeeting Credentials...**

Link to:

<https://global.gotomeeting.com/join/987305749>

Using your phone:

United States: +1 (571) 317-3122

Access Code: 987-305-749

Time	Facilitator	Topic
8:00 to 8:15	Patti Caswell	<b>Meeting Objectives</b> Review objectives for Day 2.
8:15 to 10:00	Various	<b>Update on Projects in Progress</b> (included in these updates: problem/need, goals/objectives, expected results, current status of project, and implementation opportunities) <ul style="list-style-type: none"> <li>• <b>18-02:</b> High Performance Blade Evaluation (Craig B)</li> <li>• <b>18-06:</b> Std Test Procedure for Ice Melting Capacity of Deicers (Jasmine D)</li> <li>• <b>19-01:</b> Expanding Application Rate Guidance for Salt Brine Blends for Direct Liquid Application and Anti-icing (Emil J)</li> <li>• <b>19-03:</b> Measuring the Efficiencies of Tow Plows and Wing Plows (Doug M)</li> <li>• <b>19-04:</b> Synthesis of Technical Requirements and Considerations for an Automated Snowplow Route Optimization RFP Template (Scott L)</li> <li>• <b>20-01:</b> Entry-Level Driver Training (CDL) for Maintenance Equipment Operators (Scott L)</li> <li>• <b>20-02:</b> Understanding the NaCl Phase Diagram (Brian B)</li> <li>• <b>20-03:</b> Evaluation of Indoor Automated Stockpile Measurement Systems (James M)</li> <li>• <b>20-04:</b> Expanded Use of AVL/GPS Technology (David G)</li> <li>• <b>20-05:</b> Using GIS to Highlight Highway Segments Sensitive to Deicing Materials (Joe T or Tina C)</li> <li>• <b>20-06:</b> Salt Shed Design Template (James M)</li> </ul>
10:00 to 10:15		<b>Break</b>
10:15 to 11:00	Rick Nelson	<b>SICOP Report</b>
11:00 to 11:15	Greg Waidley	<b>Call for 2022 Research</b>
11:15 to 12:00	Tony Coventry	<b>FHWA Report</b>

Time	Facilitator	Topic
12:00 to 1:00		Lunch
1:00 to 1:45	Aidan Neely	Connecticut State Report (Including CR project-based implementation activities/efforts)
1:45 to 2:15	Kevin Hensley	APWA Report
2:15 to 3:00	Nathan Morian	Nevada State Report (Including CR project-based implementation activities/efforts)
3:00 to 3:15		Break
3:15 to 4:30	CR TAC	Business Roundtable
4:30	Patti Caswell	Wrap Up
		Dinner (on your own)

**Thursday, September 23, 2021 – 8:00 a.m. to 6:00 p.m.**

Breakfast provided in the State Street Room beginning at 7:00 am.

**GoToMeeting Credentials...**

Link to:

<https://global.gotomeeting.com/join/599089533>

Using your phone:

United States: +1 (872) 240-3212

Access Code: 599-089-533

Time	Facilitator	Topic
8:00 to 8:15	Patti Caswell	Meeting Objectives Review objectives for Day 3.
8:15 to 9:30	Greg Waidley	Future Meetings (Including options for conducting future meetings)
8:45 to 9:30	Nonstad Bård	Norway Report
9:30 to 10:00	Patti Caswell	QPL Update
10:00 to 10:15		Break
10:15 to 12:00	CR TAC	Business Roundtable
12:00 to 1:00		Lunch
1:00 to 6:00	WisDOT	Tour
		Dinner (on your own)