



**AGENDA**  
**Clear Roads Fall Meeting**  
**September 20-22, 2022**  
**Indiana Government Conference Center**  
**302 W Washington Street, Indianapolis, IN 46204**

**Monday, September 19, 2022**

Dinner on your own.

**Tuesday, September 20, 2022; Ballroom A (Breakout Space: Room 3) – 9:00 a.m. to 5:00 p.m.**

Breakfast provided in Ballroom A beginning at 8:00 am.

**GoToMeeting Credentials...**

Link to:

<https://meet.goto.com/899982557>

**You can also dial in using your phone.**

United States: [+1 \(872\) 240-3412](tel:+18722403412)

**Access Code:** 899-982-557

Time	Facilitator	Topic
9:00 to 9:30	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>
9:30 to 11:00	Various	<b>Proposal Discussions</b> Review and evaluate proposals for the following projects: <ul style="list-style-type: none"> <li>• <b>22-01:</b> Comprehensive Guide to Pre-Wetting Application Rates and Methods (Patti C)</li> <li>• <b>22-02:</b> Best Management Practices for Liquid Chloride Storage and Pumping Systems (Brian B or Chris L)</li> <li>• <b>22-03:</b> Effects of Additives in Lowering the Freezing Point of Deicing Salts (project still in RFP development stage)</li> <li>• <b>22-04:</b> Evaluation of Direct Liquid Application of Salt Brine Versus Granular Salt as Measured Through Various Performance and Safety Metrics (Emil J)</li> <li>• <b>22-05:</b> Use of Dashboards for Winter Operations (Kevin D)</li> </ul>
11:00 to 11:15		<b>Break</b>
11:15 to 12:00	Emil Juni	<b>Recently Completed Project Report</b> 19-01 Expanding Application Rate Guidance for Salt Brine Blends for Direct Liquid Application and Anti-icing
12:00 to 12:30	Tony Coventry	<b>FHWA Report</b>
12:30 to 1:00	Kevin Hensley	<b>APWA Report</b>

1:00 to 2:00		<b>Lunch</b>
2:00 to 2:45	<b>Doug McBroom</b>	<b>Recently Completed Project Report</b> 19-03 Measuring the Efficiencies of Tow Plows and Wing Plows
2:45 to 3:15	<b>Greg Waidley</b>	<b>Implementation Webinars</b>
3:15 to 3:30	<b>Greg Waidley</b>	<b>Clear Roads Budget</b> Overview of the Clear Roads budget TPF-5(479).
3:30 to 3:45		<b>Break</b>
3:45 to 5:00	<b>CR TAC</b>	<b>Business Roundtable</b>
5:00	<b>Patti Caswell</b>	<b>Wrap-Up</b>
		<b>Dinner (on your own)</b>

**Wednesday, September 21, 2022; Ballroom C (Breakout Space: Room 3) – 9:00 a.m. to 5:00 p.m.**  
Breakfast provided in Ballroom C beginning at 8:00 am.

**GoToMeeting Credentials...**

Link to:

<https://meet.goto.com/435026341>

**You can also dial in using your phone.**

United States: [+1 \(312\) 757-3121](tel:+13127573121)

**Access Code:** 435-026-341

Time	Facilitator	Topic
9:00 to 9:05	<b>Patti Caswell</b>	<b>Meeting Objectives</b> Review objectives for Day 2.
9:05 to 11:00	<b>Various</b>	<b>Update on Projects in Progress</b> (included in these updates: problem/need, goals/objectives, expected results, 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>20-03:</b> Evaluation of Indoor Automated Stockpile Measurement Systems (Brian H)</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 (Mark G)</li> <li>• <b>20-06:</b> Salt Shed Design Template (Cliff S)</li> <li>• <b>21-01:</b> Grip Sensor Technology and Salt Applications (Kevin D)</li> <li>• <b>21-02:</b> Update to CR 13-04: Best Practices for Protecting DOT Equip. from the Corrosion Effect of Chemical Deicers (Todd L)</li> <li>• <b>21-03:</b> Efficacy, Cost, and Impacts of Non-Chloride Deicers (Doug M)</li> <li>• <b>21-04:</b> Training Module Development for Evaluation of Storm Severity Index and Winter Severity Index Variables (Greg W)</li> <li>• <b>21-05:</b> Evaluation of Electric Vehicle Technologies and Alternative Fuels for Winter Operations (Justin D)</li> <li>• <b>21-06:</b> Calculating 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 (Aidan N)</li> <li>• <b>22-S1</b> Corrosion and Connectors Don't Mix (Cliff S)</li> </ul>
11:00 to 11:15		<b>Break</b>

Time	Facilitator	Topic
11:15 to 11:45	Mark Goldstein	Massachusetts Projects Report
11:45 to 12:30	Scott Lucas	Recently Completed Project Report 19-04 Synthesis of Technical Requirements and Considerations for Automated Snowplow Route Optimization
12:30 to 1:00	Patti Caswell	QPL Update
1:00 to 2:00		Lunch
2:00 to 2:45	Greg Waidley	Future Meetings
2:45 to 3:30	Brian Burne	Recently Completed Project Report 20-02 Understanding the NaCl Phase Diagram
3:30 to 4:00	Larry Gangl	North Dakota State Report
4:00 to 4:15		Break
4:15 to 5:00	CR TAC	Business Roundtable
5:00	Patti Caswell	Wrap Up
		Dinner (on your own)

Thursday, September 22, 2022; Room 22 (Breakout Space: Room 25) – 9:00 a.m. to 5:00 p.m.  
Breakfast provided in Room 22 beginning at 8:00 am.

**GoToMeeting Credentials...**

Link to:

<https://meet.goto.com/143146965>

**You can also dial in using your phone.**

United States: [+1 \(872\) 240-3212](tel:+18722403212)

Access Code: 143-146-965

Time	Facilitator	Topic
9:00	Patti Caswell	Meeting Objectives Review objectives for Day 3.
9:00 to 9:30	AJ Younes	Virginia State Report
9:30 to 10:00	Rick Nelson	SICOP Report
10:00 to 10:30	Rhett Arnell	Utah State Report
10:30 to 11:00	David Gray	New Hampshire State Report
11:00 to 11:15		Break
11:15 to 11:45	Dan Varilek	South Dakota State Report
11:45 to 12:15	Scott Lucas	Ohio State Report
12:15 to 1:15		Lunch
1:45 to 5:00	Indiana DOT	Tour
		Dinner (on your own)