



**AGENDA**  
**Clear Roads Fall Meeting**  
**September 10-12, 2018**  
**Sheraton West Des Moines; Dallas Room**  
**1800 50<sup>th</sup> St., West Des Moines, Iowa**

**Sunday, September 9, 2018**

Dinner on your own

**Monday, September 10, 2018 – 8:00 a.m. to 5:00 p.m.**

Breakfast provided in the Waterfall Grille beginning at 6:30 am.

Time	Facilitator	Topic
8:00 to 8:30	Brian Burne	<b>Introductions and Meeting Objectives</b> <ul style="list-style-type: none"> <li>• Welcome and opening remarks (Iowa DOT)</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>18-01: Mechanic/Operator Training for Upkeep of Winter Maintenance Equipment</b> (Larry Gangl-Brad Darr, Jeff Pifer, Alastair Probert, Kyle Lester, Steve Spoor Brad Burge)</li> <li>• <b>18-03: Defensive Driving Training for Snowplow Operators</b> (Doug McBroom, Clay Adams, James Stevenson, Frank Sharpe, Brian Burne, Allen Williams)</li> <li>• <b>18-04: Performance and Cost-Effectiveness of High-Performance Snowplow Blades</b> (Craig Bargfrede, James Morin, Joe Bucci, Scott Lucas, Melissa Longworth, John DeCastro, Tom Renninger, David Gray)</li> <li>• <b>18-05 Evaluation of SSI and WSI and Most Reliable Variables for those Indexes</b> (Allen Williams, Todd Miller, Mark Anderson, Ryan Ferrin, James Stevenson, Todd Law, Frank Sharpe, David Gray, Mark Goldstein, (Russell M.))</li> <li>• <b>18-06 Review and Summary of Pre-wet Methods and Procedures</b> (James Morin, Patti Caswell, Russell Modrell, Todd Law, Alastair Probert, Cliff Spoonemore)</li> <li>• <b>18-07 Specifications for Snowplow Route Optimization</b> (Scott Lucas, Kyle Lester, Melissa Longworth, Clay Adams, Alastair Probert, Craig Bargfrede, Jon Fleming, Al Johnson, Sandi Sauter, Mike Lashmet, Mark Goldstein)</li> <li>• <b>18-08 Alternative Materials and Methods for Snow and Ice Control</b> (Russell Modrell, Joe Bucci, Jon Fleming, Rick Nelson, John DeCastro, Patti Caswell, Jan Niclas, Mike Lashmet)</li> </ul>
10:00 to 10:15		Break
10:15 to 12:00	Various	Proposal Discussions (cont'd)
12:00 to 1:00		Lunch (Park Place in the atrium)
1:00 to 3:00	Various	Proposal Discussions (cont'd)

3:00 to 3:15		<b>Break</b>
3:15 to 3:30	<b>Greg Waidley</b>	<b>Clear Roads Budget</b> Overview of the Clear Roads budget TPF-5(353).
3:30 to 4:15	<b>Torgeir Vaa</b>	<b>Norway Report</b>
4:15 to 5:00	<b>Frank Sharpe</b>	<b>Illinois State Report</b> (Including at least one CR-based implementation activity/effort)
5:00	<b>Brian Burne</b>	<b>Wrap-Up</b>
		<b>Dinner (on your own)</b>

**Tuesday, September 11, 2018 – 8:00 a.m. to 5:00 p.m.**

Breakfast provided in the Waterfall Grille beginning at 6:30 am.

<b>Time</b>	<b>Facilitator</b>	<b>Topic</b>
8:00 to 8:15	<b>Brian Burne</b>	<b>Meeting Objectives</b> Brian will review the objectives for Day 2.
8:15 to 10:00	<b>Various</b>	<p><b>Update on Projects in Progress</b> (included in these updates: problem/need, goals/objectives, expected results, current status of project, and implementation opportunities)</p> <ul style="list-style-type: none"> <li>• <b>13-05 Developing a Test Bed Software to Qualify Plug and Play Technology</b> (Scott Lucas)</li> <li>• <b>14-03: Developing a Training Video and Manual for Best Practices and Techniques in Clearing Different Interchange Configurations and Other Geometric Layouts</b> (Lucas or Pifer)</li> <li>• <b>15-01: Synthesis of Material Application Methodologies for Winter Operations</b> (Jeff Pifer)</li> <li>• <b>16-02: AWSSI Enhancements in Support of Winter Road Maintenance</b> (Brian Burne)</li> <li>• <b>16-03: Identification of Mobile Technologies for the Assessment of Winter Road Conditions</b> (Cliff Spoonemore)</li> <li>• <b>16-05: Weather Event Reconstruction and Analysis Tool</b> (Brian Burne)</li> <li>• <b>17-01: Integrating Advanced Technologies into Winter Operations Decisions</b> (Kyle Lester)</li> <li>• <b>17-02: Standard Specifications for Carbide Insert Blades</b> (Cliff Spoonemore)</li> <li>• <b>17-03: Aftermarket Cameras in Winter Maintenance Vehicles</b> (Todd Miller)</li> <li>• <b>Clear Roads-Pacific Northwest Snowfighters QPL</b> (Patti Caswell)</li> </ul>
10:00 to 10:15		<b>Break</b>
10:15 to 10:45	<b>Kevin Hensley</b>	<b>APWA Report</b>
10:45 to 11:15	<b>Gabe Guevara</b>	<b>FHWA Report</b>
11:15 to 12:00	<b>Mark Goldstein</b>	<b>Massachusetts Salt Reduction Program</b>
12:00 to 1:00		<b>Lunch (Park Place in the atrium)</b>
1:00 to 2:30	<b>Patti Caswell/ Mike Lashmet</b>	<p><b>Recently Completed Projects</b></p> <ul style="list-style-type: none"> <li>• 16-01: GPS/AVL Case Studies (Patti Caswell)</li> <li>• 16-04: Emergency Ops Methodology for Extreme Winter Storm Events (Mike Lashmet)</li> </ul>

Time	Facilitator	Topic
2:30 to 3:00	Rick Nelson	SICOP Report
3:00 to 3:15		Break
3:15 to 3:45	Brian Burne/ Clay Adams	Alternative Methods to Scoring Research Idea Proposals
3:45 to 4:15	Jon Fleming	Pennsylvania Study on Deicers
4:15 to 4:45	Greg Waidley/ Brian Burne	Review of the Draft Winter Preparedness Microsite
4:45	Brian Burne	Wrap Up
		Dinner at the Machine Shed.

**Wednesday, September 12, 2018 – 8:00 a.m. to 5:00 p.m.**

Breakfast provided in the Waterfall Grille beginning at 6:30 am.

Time	Facilitator	Topic
8:00 to 8:15	Brian Burne	<b>Meeting Objectives</b> Brian will review the objectives for Day 3.
8:15 to 8:45	Greg Waidley	<b>Future Meetings</b> Discuss 2019 spring meeting in Reno, NV, 2019 fall meeting in Burlington, VT, and 2019 TRB Annual Meeting (poster session).
8:45 to 10:00	CRs TAC	<b>AquaSalina/Business Roundtable</b>
10:00 to 10:15		Break
10:15 to 12:00	CRs TAC	<b>Norway Presentation(s)/Business Roundtable</b>
12:00 to 1:00		Lunch (Park Place in the atrium)
1:00 to 4:30	Craig Bargfrede	Tour
		Dinner (on your own)