



## Agenda

### Clear Roads 2013 Fall Meeting:

Pooled Fund #TPF-5 (218): Test and Evaluation of Materials, Equipment and Methods for Winter Highway Maintenance

### Monday – Thursday September 9-12, 2013

The Red Lion Hotel, Vancouver, WA

Monday and Thursday - East River I

Tuesday and Wednesday – West River I and II; East River I

### Monday, September 9, 2013 – 7:00 AM to 4:30 PM

Time	Presenter	Topic/ Description
7:00 to 8:00		<b>Breakfast</b> Breakfast will be served at West River I
Noon to 1:00		<b>Lunch</b> Lunch will be served at West River I
1:00 to 1:15	David Wieder	<b>Welcome and Meeting Objectives</b> Dave will review the objectives for the day and introduce first-time attendees.
1:15 to 1:45	David Wieder	<b>Sharing Clear Roads Resources</b> Discuss whether and/or how to share project deliverables, expertise and other Clear Roads resources with non-Members.
1:45 to 2:00	David Wieder	<b>Operating Procedures: Vote on Subcommittees</b> In keeping with the new Operating Procedures, the TAC will vote upon the new subcommittees created for the projects selected for funding in 2013.
2:00 to 2:15	Colleen Bos	<b>Budget</b> Overview of the Clear Roads budget, including any changes that have taken place in membership contributions and expenses since May.
2:15 to 2:45	Lynn Bernhard	<b>State Report</b> Lynn Bernhard will provide an update on winter maintenance activities and innovations in Utah.
2:45 to 3:00		<b>Break</b>
3:00 to 4:30	Lee Smithson	<b>Joint Session with Aurora, Clear Roads, and AASHTO WMTSP/SICOP</b> Meet jointly to coordinate details for the Peer Exchange and to consolidate/assign new research needs statements (RNS).
		<b>Dinner</b> On your own

**Tuesday, September 10, 2013 – 7:00 AM to 7:00 PM**

<b>Time</b>	<b>Presenter</b>	<b>Topic/ Description</b>
7:00 to 8:00		<b>Breakfast</b> Breakfast will be served in the Centennial Center
8:00 to 8:30	<b>Washington DOT Consortia Chairs</b>	<b>Welcome</b> Welcoming remarks and Peer Exchange expectations
8:30 to 9:30	<b>Gabriel Guevara, FHWA, Transportation Specialist</b>	<b>Overview of Map-21</b> This opening session will provide an overview of MAP-21 and its impact on winter maintenance. MAP-21 is the first long-term highway authorization enacted by Congress since 2005. It is a performance and outcome-based program designed to improve maintenance of the infrastructure, reduce traffic congestion, improve efficiency of the system and freight movement, and protect the environment. Section 1203 "Performance Management" of MAP-21 relates to maintenance and particularly winter maintenance operations (safety, congestion reduction, system reliability, and environmental sustainability. The session will conclude with a presentation on FHWA's "Sustainable Highway's Self-Evaluation Tool" and the use of OM-9: Snow and Ice Control for assisting State DOTs with minimizing environmental impacts while providing continued or better level of service.
9:30 to 10:00		<b>Break and time with vendors</b>
10:00 to 11:00	<b>Laura Fay Research Scientist Western Transportation Institute</b>	<b>NCHRP Project 25-25(04), Revised Chapter 8 (NCHRP 20-07/Task 318) Winter Maintenance Operations and Salt, Sand, and Chemical Management.</b> NCHRP Project 25-25(04) <i>Environmental Stewardship Practices, Procedures, and Policies for Highway Construction and Maintenance</i> , Revised Chapter 8 (NCHRP 20-07/Task 318) <i>Winter Maintenance Operations and Salt, Sand, and Chemical Management</i> . This work will be completed in spring 2013. This presentation will provide an overview of the Revised Chapter, review some of the best practices and discuss how to keep the Chapter updated. The report identifies knowledge gaps and areas with limited or little research and provides suggested research recommendations.
11:00 to Noon	<b>Gabriel Guevara</b>	<b>FHWA Report on the Road Weather Management Program (RWMP)</b> FHWA reports on the Road Weather Management Program (RWMP) which would include updates on the <i>Clarus</i> Transition Plan, Data Sharing Agreements, Road Weather Messages, Best Practices for Road Weather Management, Performance Measures, Connected Vehicle, Update on RWMP Roadmap/Funding, and Future Directions.
Noon to 1:00		<b>Lunch</b> Lunch will be served in the Centennial Center
1:00 to 2:30	<b>Consortia/ Committee Chairs</b>	<b>Research Consortia: Progress Reports</b> Aurora, Clear Roads/PNS, and AASHTO WMTSP/SICOP (includes TRB chairs who are members of the WMTSP/SICOP) progress reports.
2:30 to 3:00		<b>Break and time with vendors</b>
3:00 to 4:15	<b>Consortia/ Committee Chairs</b>	<b>Research Needs Statements (RNS) Progress Reports</b> Review progress on Research Needs Statements (RNS) from 2007, 2009 and 2011 Peer Exchanges to include identification of practice ready projects and forthcoming work products and implementation strategies. Review new RNSs that have been submitted and identify the research consortium (s) that will champion each project.
4:15 to 5:00	<b>Consortia/ Committee Chairs</b>	<b>Open Discussion</b> Open discussion and review of materials presented on September 10 <sup>th</sup> and expectations for September 11 <sup>th</sup> .
5:00 to 7:00	<b>Lee Smithson</b>	<b>Vendor Reception</b> Introduce the vendors and then there is a reception in the Quay/ Port Room

**Wednesday, September 11, 2013 – 7:00 AM to 5:30 PM**

<b>Time</b>	<b>Presenter</b>	<b>Topic/ Description</b>
7:00 to 8:00		<b>Breakfast</b> Breakfast will be served in the Centennial Center
8:00 to 10:00	<b>Allen Williams, VDOT</b>	<b>Best Practices Presentations</b> Presentation of best method practices and processes currently being used by selected state DOTs. These practices/processes will be selected from those provided by state DOTs in Question #3 of the "Survey Questions, (February 25, 2013), 2013 National Winter Maintenance Peer Exchange"
10:00 to 10:30		<b>Break and time with vendors</b>
10:30 to Noon	<b>Allen Williams</b>	<b>Best Practices Presentations (continued)</b>
Noon to 1:00		<b>Lunch</b> Lunch will be served in the Centennial Center
1:00 to 1:45	<b>Chris Albrecht Colleen Bos</b>	<b>Open Discussion: Techniques for Improving Technology Transfer</b> Present some options that are currently being used for technology transfer (ie, webinars [EPA's Stormwater Pollution Prevention Webinar Series: Road Salt Pollution Prevention Strategies, SHRP2 Webinars: SHRP2 Rollout, FHWA Best Practices Webinars, Road Weather Management, etc], CBTs, SICOP List Serve, newsletters, private sector webinars, snow warriors, corner state shoulder to shoulder demonstrations, snow conferences, etc), obtain input from attendees about the effectiveness of these current practices, and identify other techniques they believe would be effective in getting the word out to the field and putting research results into practice.
1:45 to 2:00	<b>Wilf Nixon, Professor University of Iowa</b>	<b>Instructions: Breakout Sessions</b> Instructions for organizing and conducting "role-based" Breakout Sessions.
2:00 to 2:30		<b>Break and time with vendors</b>
2:30 to 4:30	<b>Wilf Nixon, facilitator</b>  #1. Curt Pape, MN DOT & Jason Norville, PA DOT  #2. Monty Mills, WA DOT & Mike Adams, WI DOT  #3. Tina Greenfield, IA DOT & Jeff Williams, UT DOT	<b>Breakout Sessions</b> Three breakout sessions will be structured to include input from state DOTs as listed in Question #4 of the "Survey Questions, (February 25, 2013), 2013 National Winter Maintenance Peer Exchange". Preliminary breakout sessions topics might include: 1. Management Breakout Session topics such as: Emergency Declarations; Communications (use of social media, damage control, etc.); Sustainable Operations; Staff Training; Best Method Practices; etc. 2. Maintenance Operations Breakout Session: Training; Use of Decision Support Systems; Equipment Needs/Calibration; Anti-icing; Material Storage; Material Selection; etc. 3. Roadway Weather Systems Breakout Session: Sensor accuracy; Integration with MDSS; etc.
4:30 to 5:00	<b>Wilf Nixon</b>	<b>Open Discussion</b> Open discussion and review of materials presented on September 10 <sup>th</sup> and expectations for September 11 <sup>th</sup> .
5:00 to 5:30	<b>Consortia Chairs</b>	<b>Breakout Session Summary Reports</b> Representative from each Breakout Session will summarize the results of their discussions.
	<b>Dinner</b>	<b>On your own</b>

**Thursday, September 12, 2013 – 7:00 AM to 5:00 PM**

<b>Time</b>	<b>Presenter</b>	<b>Topic/ Description</b>
7:00 to 8:00		<b>Breakfast</b> Breakfast will be served in West River I.
8:00 to 8:15	<b>David Wieder</b>	<b>Meeting Objectives</b> Dave will review the objectives for the day.
8:15 to 8:45	<b>David Wieder</b>	<b>Peer Exchange Follow Ups</b> Review the outcomes of the Peer Exchange. Identify action items and assign responsibilities for follow up.
8:45 to 9:15	<b>Scott Lucas</b>	<b>Status of Implementation and Technology Transfer Efforts</b> Review the survey results on the status of implementation efforts for all Clear Roads completed projects and discuss recommendations regarding future technology transfer efforts.
9:15 to 9:45	<b>Caleb Dobbins</b>	<b>State Report</b> Caleb Dobbins will provide an update on winter maintenance activities and innovations in New Hampshire.
9:45 to 10:00		<b>Break</b>
10:00 to 10:30	<b>Tim Chojnacki</b>	<b>State Report</b> Tim Chojnacki will provide an update on winter maintenance activities and innovations in Missouri.
10:30 to 11:00	<b>Colleen Bos, Monty Mills, Ron Wright, Mike Sproul, Mike Mattison</b>	<b>Update on Funded Projects Not Yet Under Contract</b> <ul style="list-style-type: none"> <li>• Best Practices for the Prevention of Corrosion to DOT Equipment: A User's Manual</li> <li>• Snowplow Operator and Supervisor Training</li> <li>• Developing Test Bed Software to Qualify Plug and Play Technology</li> <li>• Cost Benefit Analysis of Various Winter Maintenance Strategies</li> <li>• Understanding the Effectiveness of Non-Chloride Liquid Agricultural By-Products and Solid Complex Chloride</li> </ul>
11:00 to 11:30	<b>David Wieder/ Colleen Bos</b>	<b>Proposal Discussions</b> Review and discuss proposals for: <ul style="list-style-type: none"> <li>• Snow and Ice Control Environmental Best Management Practices Manual</li> </ul>
11:30 to 12:00	<b>David Wieder</b>	<b>State Report</b> David Wieder will provide an update on winter maintenance activities and innovations in Colorado.
12:00 to 1:00		<b>Lunch</b> Lunch will be served in West River I.
1:00 to 2:45	<b>Colleen Bos, Monty Mills, Mike Lashmet, Justin Droste, Allen Williams, David Wieder, Cliff</b>	<b>Update on Projects in Progress</b> <ul style="list-style-type: none"> <li>• Establishing Effective Salt and Anti-icing Application Rates</li> <li>• Understanding the Chemical and Mechanical Performance of Snow and Ice Control Agents on Porous or Permeable Pavements</li> <li>• Comparison of Materials Distribution Systems</li> <li>• Environmental Factors Causing Fatigue in Snowplow Operators</li> <li>• Determining the Toxicity of Deicing Materials</li> </ul>

	<b>Spoonemore</b>	<ul style="list-style-type: none"> <li>• Development of a Totally Automated Spreading System</li> <li>• Understanding the True Costs of Snow and Ice Control Operations</li> <li>• Plug and Play Initiative</li> <li>• Pacific Northwest Snowfighters</li> </ul>
<b>2:45 to 3:00</b>	<b>Colleen Bos</b>	<b>Product Experience Survey Results</b> Share the latest Product Experience Survey results and discuss any changes for the 2012-13 season.
<b>3:00 to 3:15</b>		<b>Break</b>
<b>3:15 to 3:45</b>	<b>Justin Droste</b>	<b>State Report</b> Justin Droste will provide an update on winter maintenance activities and innovations in Michigan.
<b>3:45 to 4:45</b>	<b>Justin Droste</b>	<b>GPS/ AVL</b> Review the survey results and have a roundtable discussion about GPS/AVL technology.
<b>4:45 to 5:00</b>	<b>Colleen Bos/ David Wieder</b>	<b>Future Meetings</b> Review the plans for the Spring 2014 and Fall 2014 meetings.
<b>5:00</b>	<b>David Wieder</b>	<b>Wrap Up</b>

Clear Roads Meeting Location

**Red Lion Hotel Vancouver at the Quay**

100 Columbia Street

Vancouver, WA 98660 (307) 733-5200

<http://www.redlion.com/vancouver>

**Hotel Confirmation Numbers:**

Adams	3 nights (25372686)	Lucas	5 nights (25414514)
Bernhard	5 nights (25414489)	Mattison	4 nights (25390528)
Bos	5 nights (25390519)	Mills	5 nights (25390509)
Bucci	5 nights (25372676)	Peters (Tim)	3 nights (25414515)
Caswell	3 nights (25372688)	Peters (Tom)	4 nights (25390525)
Chojnacki	5 nights (25372677)	Roman	5 nights (25414512)
Dobbins	4 nights (25372684)	Spoonemore	5 nights (25372679)
Droste	5 nights (25372689)	Sproul	4 nights (25372680)
Frame	4 nights (25390526)	Stolings	5 nights (25372424)
Gray	5 nights (25372678)	Wieder	4 nights (25390524)
Juelfs	4 nights (25372685)	Williams	5 nights (25372675)
Kisse	5 nights (25390516)	Wright	4 nights (25372683)
Lashmet	4 nights (25372681)		

**If you are flying:**

Shuttle

The Red Lion provides a shuttle free of charge from the airport. Please call (360) 694-8341 when you land and the Red Lion will send their shuttle over and give you further directions about where to meet them.

If you have any trouble, please call me at (608) 628-3792.

**If you are driving:**

Parking

The Red Lion provides complimentary parking for guests.