



6th National Winter Maintenance Peer Exchange
Pittsburgh, PA
September 12 – 13, 2017

2017 NWMPE		
Day 1 – Tuesday – Sept 12th		
7:00 – 8:00	Breakfast	
8:00 – 9:30	Consortia Meetings	
9:30 – 10:00	Break – networking and time with vendors	
10:00 – 11:30	Consortia Meetings	
11:30 – 1:00	Lunch	
1:00 – 2:15	Opening Session PennDOT Deputy Secretary George McAuley Introductions (45 minutes)	
2:15 – 3:15	Committee briefings on research completed and underway - (panel format) Aurora, Clear Roads, TRB Winter Maintenance, TRB Transportation Surface Weather SICOP FHWA MDSS Pooled Fund	Note 1.
3:15 – 3:45	Break – networking and time with vendors	
3:45 – 4:45	Moving Research to Operations: Implementing Change in a Risk Adverse Environment – Panel Discussion	Rick Nelson-AASHTO Mike Adams-WiDOT Tina Greenfield-IaDOT Tony McClellan-InDOT
5:30 – 8:00	Reception – Evening with Industry – Hotel	
Note 1: Full briefings and briefing materials are available at: http://sicop.transportation.org/Pages/NWMPE-2017-Pittsburgh.aspx		

Day 2 – Wednesday – Sept 13th		
7:00 – 8:00	Breakfast	
8:00 – 9:45	State Best Practice Presentations (20 min each) Wisconsin - Route Optimization Maine - Maintenance Management System and how we track salt usage, and storm costs Michigan - Advancements in Maintenance Operations at MDOT Minnesota - Overview of Current RWIS and System Expansion Plans Ohio - TBD	
9:45 – 10:15	Break – networking and time with vendors	
10:15 – 12:00	State Best Practice Presentations (20 min each) Arizona - AVL data applications Pennsylvania - improved operations and public communication through the use of 511, AVL and reverse 911 technologies Virginia - AVL/GPS usage and how we share the information with the public Canada-Emcon - AVL Integration with budgets and the public Canada-Ontario - TrackMyPlow, including plowcams	
12:00 – 1:00	Lunch	
1:00 – 3:30	Breakout Sessions (floating Break as needed) A. Tactics & Technology B. Equipment & Materials C. Big Data, Performance Measures & Public Relations D. Workforce Development & Contracting for Services	<u>Facilitators</u> Greg Parker Paul Brown Tina Greenfield Brian Burne
3:30 – 4:30	Report Out – Wrap up - Adjourn	
Day 3 – Thursday – Sept 14th		
7:00 – 8:00	Breakfast	
8:00 – 12:00	Joint Meeting Aurora, Clear Roads, SICOP Recap 2017 NWMPE Review RNS and discuss opportunities for each Review current research for overlap and opportunities for collaboration	
12:00	Adjourn	



Breakout Session Descriptions

The breakout sessions are intended to be forums for the discussion and identification of gaps in the knowledge that require answering in order to help move a concept, technology, or strategy toward implementation. In today's world it is rarely the case when a topic does not interact or overlap with other issues and there is recognition that many of the breakout topic areas will overlap others. As you consider the research needs for a particular area it's important to identify those overlaps.

It's important to remember that the breakout sessions are designed to provide a facilitated opportunity to identify gaps in the current knowledge or state of the practice that can be filled with research or thoughtful consideration. The product of the breakout sessions will be research needs statements that can be considered by any of the winter maintenance consortia or committees.

Breakout A. Tactics & Technology

This breakout is set to identify issues and gaps regarding:

- Storm tactics is a broad topic area that could include route optimization, maintenance decision support systems (MDSS), liquid only routes for example
- Technology is a similarly broad topic area that could include the technology and application of technology that could include Global Position System (GPS)/Automated Vehicle Location (AVL) systems, Road Weather Information Systems (RWIS), integrated mobile observations (IMO),

Breakout B. Equipment & Materials

This breakout is set to identify issues and gaps regarding:

- Advances in equipment technologies that might include plow designs and configurations, conspicuity, auxiliary devices to increase the functionality of equipment, etc.
- Sustainable and efficient utilization of materials might include storage of chemicals, deployment methods, use of liquids, etc.

Breakout C. Big Data, Performance Measures, and Public Relations

This breakout is set to identify issues and gaps regarding:

- Critical issues associated with new technologies that have the potential to create big data that might include GPS/AVL, RWIS, integrated mobile observations (IMO), and images obtained from both still and video could include how long to keep data, best ways to store data, etc.
- Performance measures associated with winter maintenance that might include application of a range from minimal asset based measures to sophisticated mobility based outcome based measures, how to use performance measures, etc.
- Public relations that might include have become an important element of managing the system before, during, and after winter events, FHWA EDC-4 Weather Savvy Roads Program, etc.

Breakout D. Workforce Pathways & Contracting For Services

This breakout is set to identify issues and gaps regarding:

- The continual issue of the pathways that provide the workforce necessary for agencies to accomplish their mission.
- Contracting services that might include utilizing them to fill critical needs when state forces are inadequate, performance measures for contract services, effective contracts, etc.