

Winter Maintenance Committee

TRB Winter Maintenance Committee

AHD65

<https://sites.google.com/site/trbcommitteeahd65/>

SCOM Safety & Reliability TWG

July 20 2015

Winter Maintenance Committee

- Identify, propose, coordinate and promote research in winter highway maintenance
- Membership: 15 US, 7 international, 2 young, 2 Emeritus
 - Academic, government, private sector

Annual Meeting 2015

- Performance and selection of winter maintenance materials
- Performance measures and surface condition monitoring
- Technology and Operations
- Prevention and control of salt contamination in the roadside environment

Other items of discussion

- Travel reliability in winter
- Dashboards for managing winter maintenance operations, materials and performance
- Automated and connected vehicle applications in winter maintenance

Practice Ready Papers 2015

12 covering 4 themes

- Video monitoring/measurement of winter surface conditions
- Data mining for winter performance measurement
- Strategic location of storage yards
- Brine selection guidelines

Sponsored Research

■ Recently Completed

- Strategies to **Mitigate the Impacts of Chloride Roadway Deicers** on the Natural Environment, Project 20-05/Topic 43-12
- Winter Operations and Salt, Sand and Chemical Management, in **Environmental Stewardship** manual of the AASHTO Center for Environmental Excellence, Project 20-07/Task 318
- Methods for Estimating the **Benefits of Winter Maintenance Operations**, Project 20-07/300
- Alternative Methods of **Delivering Winter Operations Services**, Project 20-07 Task 329

■ In Progress

- Guide for Performance Measures in Snow and Ice Control Operations, Project 14-34

Upcoming Events

- July 29 TRB Webinar
 - Using Winter Severity Indexes for Winter Maintenance Performance Management
- Sept. 16-18 TRB Conference
 - Surface Transportation System Resilience to Climate Change and Extreme Weather
- Jan. 2016 TRB Annual Meeting
- Feb.-April 2016 TRB Conference
 - Winter Maintenance and Surface Transportation Weather + SIRWEC

Recommended Research Areas

- Best Practices for patrol yard design and operation
- Setting performance benchmarks appropriate to weather and climate
- Winter weather and transportation resilience
- Automated vehicle applications to improve safety of winter operations