

TRANSPORTATION RESEARCH BOARD

TRB Update

Technical Activities Division

2017 AASHTO Maintenance

July 2017

Transportation Research Board (TRB)

Convene

- 13,300 attendees at TRB annual meeting
- 220 technical committees, 330 subcommittees, 18 task forces
- 50-70 conferences & workshops; 100+ webinars per year

Research

- Highway, Transit, Airport Cooperative Research Programs
- 900+ papers published in *Transportation Research Record*/yr.
- TRID: 1.1 million records of transportation research citations

Advise

- Independent, objective, evidence-based, thorough, fair, non-partisan policy studies done in accordance with National Academies of Sciences, Engineering, and Medicine procedures

Technical Activities

- Policy and Organization
- Planning and Environment
- Design and Construct
- Operations and Preservation
- Legal Resources
- System Users Group
- Public Transport
- Rail
- Freight Systems
- Aviation
- Marine

Technical Activities Council

Operations Preservation Group

**Operations Section
(13 Committees)**

**Maintenance &
Preservation Section
(15 Committees)**

www.trb.org/AboutTRB/StandingCommitteesMT.aspx

Maintenance & Preservation Section

Committees Scheduled for Rotation in 2018

Maintenance and Operations Management (AHD10)

Maintenance and Operations Personnel (AHD15)

Pavement Preservation (AHD18)

Pavement Maintenance (AHD20)

Sealants and Fillers for Joints and Cracks (AHD25)

Polymer Concretes, Adhesives, and Sealers (AHD40)

Maintenance Equipment (AHD60)

Winter Maintenance (AHD65)



Transportation Research Board 97th Annual Meeting

January 7–11, 2018 • Washington, D.C.



Spotlight theme for the 2018
meeting: Transportation:
Moving the Economy of the
Future



On Practical Solutions

2016 International Conference & Workshop on Winter Maintenance and Surface Transportation Weather

www.trb.org/conferences/wintermaintenance2016.aspx

On-Demand presentations included on the website:

video of the presentation

PDF of the PowerPoint Presentation

One page Summary of the Research

2016 Workshop (Continued)

The in-person workshop focused on six interactive breakout sessions

- Decision Support Part 1: Tools to aid travel planning
- Best Management Practices: Sustainability, Administration & Management
- Equipment & Materials
- Big Data & Winter Maintenance: Turning data into useful information
- Decision Support Part 2: Maintenance Operations
- Resilience & Climate Change

TRB Webinars (2016)

<http://www.trb.org/MaintenancePreservation/ElectronicSessions.aspx>

- A Sampling of Winter Maintenance Best Practices in Europe
- Using Asset Valuation as a Basis for Bridge Maintenance and Replacement Decisions
- Consideration of Preservation in Pavement Design and Analysis Procedures
- Controlling Corrosion of Infrastructure Systems
- The Evolving Surface Transportation Operations and Maintenance Workforce; Challenges and Opportunities
- Development and Validation of Performance-Based Hot-Poured Crack Sealant Specifications
- Bridge Preservation in Corrosive Environments Using Cathodic Protection
- Sign and Pavement Marking Retroreflectivity- Measurement Basics, Safety Benefits, Advancements- A DOT Perspective

Practice Oriented Papers

- **Current State of Small Culvert Inspection & Inventory in the United States**
- **Snow Removal Performance Metrics: Past, Present, and Future**
- **Operational Winter Severity Indices in Canada – From Concept to Practice**
- **Development of a Cost Index for In-House Roadway Maintenance Work for the North Carolina Department of Transportation**
- **Performance Measures for the Assessment of the Condition of Bridges: A Critical Review**
- **A Comprehensive Review of Approaches Used by Ontario Municipalities to Develop Road Asset Management Plans**
- **Benefit–Cost Analysis of Florida High-Friction Surface Treatments**

<http://prp.trb.org/>

Questions

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