The exchange of information on the effects of weather on all modes of surface transportation both within and between the transportation and meteorological communities.

Identification and development of research needs and technology transfer to better manage surface transportation.

Promote the efforts to minimize the impacts of weather and maximize safety and mobility.
Committee Highlights

- 22 members
  - Rhonda Young, Committee Research Coordinator (CRC) and Research subcommittee chair
  - Tae Kwon, Committee Communication Coordinator
- 46 committee friends
- Committee membership breakdown:
  - 19 Governmental agencies
  - 20 Consultant or Trade organizations
  - 30 Academic organizations
  - 8 Foreign countries: Sweden, Japan, Norway, Canada, Belgium, Finland, France
- Successful 2016 International Conference and Workshop on Winter Maintenance and Surface Transportation Weather, held in Fort Collins, CO this past April
- A new Call for Papers in 2017 Title: Critical Research Needs in Surface Transportation Weather
2015-2016 Committee Highlights

• 2017 Call for Papers: *Connected Road Weather Sensing: Technologies, Applications, Modeling, and its Impact on Traveler Information, Maintenance and Operations*
  • Co-sponsors: AHD65 Winter Maintenance, AHB15 Intelligent Transportation Systems, AHB20 Freeway Operations, AHD15 Maintenance and Operations Personnel, AHD60 Maintenance Equipment
  • Received **33 papers** in response to the Call and recognized research needs in Surface Transportation Weather

• **Created a subcommittee on Research**
  • To address the impacts of all types of weather on particularly on congested or nearly congested facilities; improve understanding of weather datasets on roadway operations/maintenance; identify standards in describing road weather events; and challenges in compiling weather datasets
2015-2016 Committee Highlights

- **Sponsored or Co-sponsored Annual Meeting sessions:**
  - Use of Roadway Weather Information Systems and Vehicle Sensor Data in Surface Transportation (276)
  - Applications of Connected and Automated Vehicles to System Maintenance and Operations (356) *with ADH00, AHO00, AHD65*
  - Driving Behavior Under Limited Visibility Conditions (618)
  - Surface Transportation Weather and Its Effects on Traffic Networks (725)
  - Surface Processes Affecting Snow Accumulation on Roads (729) *with AHD65*
**2015-2016 Committee Highlights**

- Worked with several Groups and Committees:
  - Part of the planning committee for the *2015 Surface Transportation System Resilience to Climate Change and Extreme Weather Events*, September 2015
  - A Cross Cutting session on *Applications of Connected/Automated Vehicle to System Maintenance and Operations*
    - Sponsored by Operations and Preservation Group (AH000) and co-organized with Maintenance Preservation (AHD00) and Operations Sections (AHB000)
  - Co-sponsored a Workshop: *Decision Support Systems for Transportation Systems Management & Operations (TSM&O)*
    - with Freeway Operations (AHB20) and on Regional Transportation Systems Management and Operations (AHB10)
2015-2016 Committee Highlights

• A paper submitted to the committee was selected for Climate Change and Transportation: Best Papers of 2016 (Session 744)
  • The Arizona DOT Resilience Pilot Program – Framework Identification, Partnerships, Climate Data Downscaling, and Drone Capabilities, 16-5436

    Special Task Force on Climate Change and Energy (A0020T), Strategic Management (ABC10), Transportation Energy (ADC70)