

**AASHTO COMMITTEE ON MAINTENANCE  
ACCOMPLISHMENT REPORT**

AUGUST 2018

**OFFICERS**

Chair:	George H. Conner, ALDOT
Vice Chair:	Steve Lund, MNDOT
Vice Chair:	Jerry Hatcher, TNDOT
Research Coordinator:	Jon Wilcoxson, KYTC
FHWA Liaison:	Connie Yew, FHWA
AASHTO Liaison:	Jameelah Hayes, AASHTO

**COMMITTEE ORGANIZATION**

The Committee on Maintenance (COM) is organized into five Technical Work Groups (TWGs). The five TWGs are as follows: Bridge, Pavement, Equipment, Roadway/Roadside, and Maintenance Operations. There are also three Technical Service Programs that are overseen by COM: Transportation Systems Preservation (TPS2), Equipment Maintenance (EMTSP), and Snow & Ice (SICOP).

**KEY STRATEGIC FOCUS AREA WORK PLAN ACCOMPLISHMENT UPDATES**

**SAFETY** (Goal: A safe, reliable highway system in a state of good repair.)

- Continued to work through the Bridge TWG representative on the Fall Protection Resolution - This effort has reached a dead end and are we looking for a new path forward.
- Hosted 2018 National Fleet Management Conference in Hartford, CT allowing the promotion of new equipment technologies at regional breakouts and during the equipment vendor displays.
- Supporting Autonomous Attenuator implementation
- In cooperation with Maintenance Operations TWG – Panel members: NCHRP Synthesis 49-04 VERY SHORT DURATION WORK ZONES FOR MAINTENANCE AND OTHER ACTIVITIES

**ASSET MANAGEMENT** (Goal: Accountability and transparency through performance management.)

- BTWG members participated in the National BMS Working Group.
- Supported EMTSP National Performance Measures Working Group resulting in 36 States reporting at least one of the performance metrics and posting the results on the EMTSP website.
- Developed a fifth performance measure, Scheduled vs Unscheduled Repairs, and received approval for AASHTO Maintenance Adoption.
- 2018 National Conference on Transportation Asset Management Conference Organization/Workforce Track development

**ENVIRONMENTAL** (Goal: Environmental stewardship and ensure compliance.)

- Supported the NCHRP 20-07 Project titled “Synthesis for Bridge Maintenance and Preservation Practices that Minimize Environmental Impact”.
- Monitored and disseminated information regarding new and proposed environmental regulatory changes during Regional and National Conferences and on the EMTSP.org website.
- Support SICOP including 3 year Strategic plan.
- Support national efforts that preserve and enhance pollinator habitat.

**WORKFORCE DEVELOPMENT** (Goal: A well-qualified and competent workforce.)

- Supported the AASHTO TC3 program and continued to serve as a liaison and facilitator between the TSP2 regional bridge preservation partnerships and AASHTO MaC Leadership.
- Supported FHWA’s Bridge Preservation Expert Task Group efforts.
- Participated in the National Bridge Preservation Partnership Conference held in Orlando, Florida from April 8 to 12, 2018.
- Two web-based training modules completed for Equipment Managers and available on the TC3 website: *Preventive Maintenance Concepts for Fleet Management, Benchmarking and Best Practices within Fleet Management*
- Development of the third web-based training module near completion: *Establishing Core Equipment Complements and Optimal Sizing of State Equipment Fleets*
- Selection of a fourth web-based training module for development: *Utilization Management Concepts for State Equipment Fleets*.
- Support CDOT Development of AS in Highway Maintenance Management
- Support TC3 training programs
- 2018 National Conference on Transportation Asset Management Conference Organization/Workforce Track development
- Support of the NHI Maintenance Leadership Academy

COMMUNICATION (Goal: The communication of the value and role of maintenance.)

- Promoted communications concerning bridge maintenance and preservation with local agencies.
- Conducted email exchanges with the BTWG members and prepared content for the Maintenance Manager Newsletter.
- Encourage regional bridge preservation partnerships to submit proposed research needs statements through the MaC BTWG.
- Held the EMTSP 2018 National Fleet Management Conference in Hartford, CT.
- Continued enhancement of the EMTSP.org website with links, updated contact lists, State's performance measurers and conference presentations.
- Support the bridge report on Emergency Markings
- Updated the Pavement TWG contact list
- AASHTO Committee on Maintenance Administrative Resolution was passed at the AASHTO Spring meeting to establish a collaborative review process for Pavement Preservation Treatment Construction Guidance Specifications.
- Organize and moderate webinars with a focus on presentations of recently completed research.

RESEARCH (Goal: Research, innovation and technology.)

- Collaborated, encouraged implementation and reviewed research problem statements with relevant stakeholders.
- Supported TRB bridge related committees.
- Started the process for publishing two NCHRP research reports as AASHTO documents.
- Completed NCHRP 13-04 *"Guide for Optimal Replacement Cycles of Highway Operations"*.
- Approved for AASHTO to publish NCHRP Research Report 879, *Optimal Replacement Cycles of Highway Operations Equipment*.
- Received approval for NCHRP 13-08, *Guidelines for the Decision Making for Repair vs. Replacement of Highway Maintenance Equipment*.
- Received approval for project NCHRP 20-7, Task 426, *Update to NCHRP, Task 309, Challenges and Opportunities: A Strategic Plan for Equipment Management Research*.
- Developed idea for NCHRP 20-44 research implementation opportunity for National/Regional Snow and Ice Performance measure implementation Workshops.
- Submitted "Determining Pavement Preservation Treatment Lives and Related Pavement Life Extension".
- Reviewed NCHRP Reports 810 and 820. Recommend Report 820 for AASHTO publication.
- Pavement Preservation Surface Treatments FHWA Tech Brief Review and Comment (microsurfacing, slurry seal and chip seals).
- Support the No Boundaries pooled fund – Implementing Maintenance Innovations from State to State.
- Review roadway/roadsides related TRB/NCHRP completed research projects and seek ways to create awareness and support implementation of best practices.

**ANNUAL MEETING REPORT**

The 2018 Committee on Maintenance meeting was held in Charlotte, North Carolina, on July 22 – July 26. Thirty-nine states were represented during the closing business session.

The next annual Committee on Maintenance meeting will be held in Grand Rapids, Michigan in July 2019.