

Pavement Working Group

Anita Bush, NV



2018 Work Plan Accomplishments

- AASHTO Committee on Maintenance Administrative Resolution was passed at the AASHTO Spring meet
- Title: Establish a Collaborative Review Process for Pavement Preservation Treatment Construction Guidance Specifications
Pavement Preservation Surface Treatments Tech Brief Review and Comment (micro, slurry seal and chip seals).

That the AASHTO Highways Committee on Maintenance recommends to the Highways and Streets Council of the AASHTO Transportation Policy Forum to assign to the Committee on Materials and Pavements, Technical Subcommittee 5b, for a five year period, the responsibility for reviewing, maintaining, and publishing pavement preservation materials standards and pavement preservation treatment construction guidance specifications to the corresponding publications (e.g. AASHTO Materials Book or AASHTO Construction Guide); and that the COMP Technical Subcommittee 5b add 3 to 5 voting representatives from each of the Committees on Maintenance and Construction for the development and review of preservation construction guidance specifications.

2018 Work Plan Accomplishments

COMP Technical Subcommittee 5b voting representatives

- Mark E. Woods - TN
- Tracy Nowaczyk - KY
- James Stevenson – TX
- Anita Bush - NV

2018 Work Plan Accomplishments

SAFETY

- In cooperation with Maintenance Operations TWG – Panel members: NCHRP Synthesis 49-04 VERY SHORT DURATION WORK ZONES FOR MAINTENANCE AND OTHER ACTIVITIES
 - Please respond to survey (telephone interview) request from 'LuAnn Theiss' <l-theiss@tamu.edu> - TTI

COMMUNICATION

- Updated Pavement TWG contact list

ASSET MANAGEMENT/ WORKFORCE DEVELOPMENT

- 2018 National Conference on Transportation Asset Management Conference Organization/ Workforce Track development

2018 Work Plan Accomplishments

RESEARCH

Rank	Potential Problem Statement	Working Group	Average Score
1	Synthesis on DOTs performing conducting safety hardware in-service performance evaluations	Roadway/Roadside	4.41
2	Guidelines for Decision Making for Repair vs. Replacement of Highway Maintenance Equipment	Equipment	4.07
3	Determining Maintenance Implications of Autonomous Vehicles	Roadway/Roadside	3.83
4	Update the AASHTO Guide for Snow and Ice Control	Maintenance Operations	3.75
5	Determining Pavement Preservation Treatment Lives and Related Pavement Life Extension (NOT SELECTED)	Pavement	3.64
6	Protecting Bridge Approaches During Flooding Events	Bridges	3.57
7	Development of Protocols and Procedures for Selecting, Monitoring and Reporting on Pavement Preservation Treatments for Performance Evaluation	Pavement	3.39
8	20-07 on Winter Adaptive Routing	Maintenance Operations	3.28
9	Guide Construction Specifications for Cold In-Place Recycling (CIR) and Cold Central Plant Recycling (CCPR)	Pavement	2.86
10	Test Protocols for Small Movement Bridge Joints	Bridges	2.85

2019 PROPOSED RESEARCH NEEDS

TITLE	OBJECTIVE	RANK
Benefit Cost Analysis of Chip Seal Considering Binder Alternatives	A guide to conduct cost-benefit analysis of chip seals considering binder alternatives.	1
Guide Construction Specifications for Cold In-Place Recycling (CIR) and Cold Central Plant Recycling	The objective of this project is to produce an AASHTO Construction Guide Specification for the application of cold in-place recycling and cold central plant recycling.	2
Guidelines for Incorporating Maintenance Costs into a TAMP	Provide the process to incorporate maintenance data in the TAMP, using available pavement and bridge maintenance data and evaluate the use of available information to incorporate other roadside assets (such as guardrails and culverts) into a TAMP.	2

Proposed Resolution

Committee on Maintenance

Proposed Administrative Resolution

Title: Encourage the Implementation of a Pavement Preservation Certification Program for Member Departments and Contractors in Asphalt and Concrete Pavement Preservation

WHEREAS, The AASHTO Committee on Maintenance (COM) is seen as a leading technical resource for extending pavement life through the timely application of pavement preservation treatments and repairs; and

WHEREAS, AASHTO member departments have found pavement preservation a proven strategy to keep highways, roads, and streets in good condition; and

WHEREAS, AASHTO member departments expect high quality delivery of pavement preservation treatments and can ill afford poor treatment performance, and

WHEREAS, Poor performing pavement preservation treatments usually originate from poor workmanship during construction; and

WHEREAS, Poor workmanship is caused by a changing work force lacking the knowledge and expertise to produce quality constructed treatments; and

WHEREAS, AASHTO member departments have embraced certification as a way to improve the quality of construction for asphalt, concrete, and soils; and

WHEREAS, AASHTO TSP•2 as well as member departments and other support agencies have established pavement preservation treatment certification programs that measures and certify knowledge and competence of contractor and member agency employees; and

NOW, THEREFORE, BE IT RESOLVED, That the AASHTO Committee on Maintenance encourages member departments to certify their employees involved in the design and construction of asphalt and/or concrete pavement preservation treatments and require contractors working with asphalt and/or concrete pavement preservation treatments to certify their company, and all supporting staff.