

Closing Session Agenda

- Roll Call – Tom Hufnagel
- Thank You Resolutions
- Future AASHTO SCOM Meetings
 - Iowa DOT Video – Bob Younie & Craig Bargfrede
- History of SCOM Resolutions – Tom Hufnagel
- SCOM Leadership Resolutions
- Research Ballot– Chris Christopher
- Technical Working Group Report Out
- Update SCOM Strategic Plan
- TRB and NCHRP Update – James Bryant
- Other Business / Adjourn

ROLL CALL
(Tom Hufnagel)

Thank You West Virginia

AASHTO HIGHWAY SUBCOMMITTEE ON MAINTENANCE A RESOLUTION TO THANK THE WEST VIRGINIA DIVISION OF HIGHWAYS AND THEIR MAINTENANCE DIVISION

WHEREAS, the AASHTO Highway Subcommittee on Maintenance has held a successful summer meeting in Charleston, West Virginia, located at the confluence of the Elk and Kanawha Rivers in Kanawha County. The cosmopolitan City of Charleston is the largest in West Virginia with a population of just over 51,000, and

WHEREAS, the Division of Highways maintains roadways traversing mountains, valleys, wild rivers, rolling countryside, and establishes maintenance policies and standards for highway facilities with the goal of preserving the quality and integrity of a world-class mountain transportation system, and

WHEREAS, the hospitality, congeniality, professionalism, and welcoming accommodation exhibited by our West Virginia hosts was fantastic in carrying out the planning, organization and implementation of the successful events, the WV Turnpike Memorial Tunnel Technical Tour, and an impromptu New River Gorge National River Bridge Tour, and

WHEREAS, there was great work accomplished to advance strategic direction and development of tools to assist us in the future of maintaining and managing assets in the public's best interest with the local flavors of salt, natural gas, and coal, and

WHEREAS, the AASHTO members, vendors, spouses, and their families enjoyed the Country hospitality that was evident everywhere they visited, the fabulous Historic Downtown Lewisburg walking tour, the Uncork and Create designer wineglass tour, the J.Q. Dickinson Salt Tour and Farmers Market, and the Clay Center Dinner Banquet where arts and sciences come together, and

WHEREAS, the AASHTO Committees would especially like to recognize the efforts of West Virginia Division of Highways Host Committee Team for going above and beyond to offer unparalleled service and assistance to the members, vendors, spouses, and families of the AASHTO Delegates in attendance at this memorable and productive meeting, and

THEREFORE BE IT RESOLVED, the AASHTO Highway Subcommittee on Maintenance offers their heartfelt thanks and appreciation to the West Virginia Division of Highways for their hospitality, dedication, and outstanding service in making this a productive and enjoyable event for all of our delegates, families and other attendees at this meeting.

Submitted by:

Mr. Mark McConnell,
Chair, AASHTO SCOM

Ms. Jennifer Brandenburg
Vice Chair, AASHTO SCOM

Mr. Chris Christopher
Vice Chair, AASHTO SCOM

Mr. Bryan Cawley
Secretary, AASHTO SCOM

Thank You Carlos Braceras

RESOLUTION AASHTO SUBCOMMITTEE ON MAINTENANCE FORMAL THANK YOU TO CARLOS BRACERAS

WHEREAS, the Association of State Transportation Officials, Subcommittee on Maintenance (SCOM) formally thanks Mr. Carlos Braceras, for his outstanding years of leadership, services, and dedication to advancing the highway maintenance program, and

WHEREAS, he has led the AASHTO SCOM through a reorganization effort that created a powerhouse of a subcommittee that has been very successful in identifying, requesting, and obtaining additional resources to advance their strategic needs, and

WHEREAS, he has presided over SCOM annual meetings in the great states of Minnesota, North Dakota, New Hampshire, South Carolina, Wisconsin, California, Maryland, Georgia, Kentucky, Washington, Vermont, and West Virginia, moving forward the SCOM Strategic Plan, and

WHEREAS, he has led the AASHTO SCOM through the development and execution of 4 different technical services programs in support of maintenance activities, and

WHEREAS, he has carried forward many resolutions and research proposals to the Standing Committee of Highways for successful funding and advancement;

NOW, THEREFORE, BE IT RESOLVED that the AASHTO Subcommittee on Maintenance officially thanks Mr. Carlos Braceras for the effective leadership and tireless efforts he exhibited over his entire tenure as the Chair of the Subcommittee on Maintenance, and

THEREFORE, BE IT FURTHER RESOLVED that AASHTO Subcommittee on Maintenance officially declares Mr. Carlos Braceras a lifetime member of SCOM, and leaves an open door and seat for him to return and participate at his will and discretion at any forth coming meetings or events.

July 31, 2014
Charleston, West Virginia

Submitted by:

Mr. Mark McConnell,
Chair, AASHTO SCOM

Ms. Jennifer Brandenburg,
Vice Chair, AASHTO SCOM

Mr. Chris Christopher,
Vice Chair, AASHTO SCOM

Mr. Bryan Cawley,
Secretary, AASHTO SCOM

Thank You Butch Wlaschin

**RESOLUTION
AASHTO SUBCOMMITTEE ON MAINTENANCE
FORMAL THANK YOU BUTCH WLASCHIN**

WHEREAS, the American Association of State Highway and Transportation Officials (AASHTO), Subcommittee on Maintenance (SCOM) formally thanks Mr. Butch Wlaschin, for his outstanding years of leadership, service, and dedication to advancing the highway maintenance program, and

WHEREAS, he has been a long standing champion and supporter of the AASHTO SCOM both in words and deeds, and

WHEREAS, he has participated in multiple AASHTO SCOM meetings over his 43 year career in highway design, construction, and maintenance activities spanning several different key leadership positions within FHWA as well as working as a consultant for 9 years, and

WHEREAS, he has presented at several of our AASHTO SCOM meetings providing a FHWA update, funding several research, development, and technology transfer events that the AASHTO SCOM has initiated, and

WHEREAS, most recently he led the advancement of asset management which heavily relies upon preservation, maintenance, and operations to assure we have a world class transportation system;

NOW, THEREFORE, BE IT RESOLVED that the AASHTO Subcommittee on Maintenance formally thanks Mr. Butch Wlaschin for his effective leadership and dedication to asset management and maintenance communities, and

THEREFORE, BE IT FURTHER RESOLVED that the AASHTO Subcommittee on Maintenance wishes Mr. Butch Wlaschin a fulfilling and happy retirement.

July 31, 2014
Charleston, West Virginia

Submitted by:

Mr. Mark McConnell,
Chair, AASHTO SCOM

Ms. Jennifer Brandenburg,
Vice Chair, AASHTO SCOM

Mr. Chris Christopher,
Vice Chair, AASHTO SCOM

Mr. Bryan Cawley,
Secretary, AASHTO SCOM

Thank You Lee Smithson

**RESOLUTION
AASHTO SUBCOMMITTEE ON MAINTENANCE
FORMAL THANK YOU TO LEE SMITHSON**

WHEREAS, Lee Smithson began his career in public service as an Inspector with the Iowa State Highway Commission upon graduating from Iowa State University with a Bachelor of Science in Civil Engineering in 1957, and

WHEREAS, He began service to his country in 1957 as a Commissioned Officer in the U.S. Army Reserve achieving the rank of Colonel at his retirement in 1968, and

WHEREAS, He co-chaired the first AASHTO/TRB/FHWA Winter Maintenance International Scanning tour of Europe and Japan in 1994 which directly resulted in the creation of SICOP (The Snow and Ice Pooled Fund Cooperative Program) and the Winter Maintenance Policy Coordinating Committee, and

WHEREAS, During his 45-year career with the Iowa Department of Transportation Lee tirelessly served the citizens of the Great State of Iowa in addition to the national and international winter maintenance community through his leadership in TRB committees, NCHRP project panels, and AASHTO subcommittees, and

WHEREAS, His efforts to promote technology transfer, research promising technologies, and implement proven concepts have made an indelible mark on the way winter maintenance is performed today, and

WHEREAS, He has provided guidance and direction, as a founding member of the Snow and Ice Pooled Fund Cooperative Program (SICOP), and

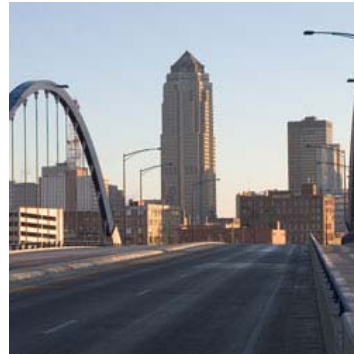
WHEREAS, Upon his retirement from the Iowa Department of Transportation in 2002, Lee continued his support of the Subcommittee on Maintenance, the Winter Maintenance Technical Service Program, and SICOP and as the SICOP Coordinator, and

WHEREAS, Lee has unselfishly shared his experiences, wisdom, work ethic, and unwavering support to those younger engineers following in his footsteps, and been an excellent mentor to many of those younger engineers, therefore, be it

RESOLVED, That the AASHTO Highway Subcommittee on Maintenance hereby recognizes the dedicated service of Lee Smithson for the numerous contributions made on behalf of the Great State of Iowa, the nation, and the international winter maintenance community over the past 57 years.

Future AASHTO SCOM Meetings

- 2015 MASHTO – Des Moines, Iowa
 - Joint TRB Meeting
 - Video *Bob Younie and Craig Bargfrede*
- 2016 WASHTO – Nevada
- 2017 Rhode Island
- 2018 North Carolina
- 2019 Michigan



History of SCOM Resolutions AASHTO – Tom Hufnagel

Year		Title	Outcome	Approved By
2013	1	Maintenance Funding Survey	The survey was completed and the results were distributed to SCOM	SCOH
	2	Organizational Relationships Between the TSP2 Bridge and Pavement Regional Preservation Partnerships and SCOM	The TWGs shall serve as the liaisons between AASHTO SCOM and the AASHTO Regional Bridge and Pavement Preservation Partnerships was formally recognized.	SCOH
	3	Support the Establishment of a Joint Meeting between the SCOM and the National Safety Rest Area Conference (NSRC)	SCOM extended an invitation to the National Safety Rest Area Conference for a joint meeting.	SCOH
	4	Resolution Expressing AASHTO Concerns with the USDOT/USDOT Technical Assistance Agreement on Pavement Alteration Definitions for the Americans with Disabilities Act.	Presented to AASHTO Standing Committee on Highways, but withdrawn at the SCOH Business meeting in support of a similar resolution from the AASHTO Reauthorization Committee	Withdrawn
	5	Propose Task Force to Review and Make Recommendations Regarding Maintenance Quality Assurance	A SOW was prepared and is under review by AASHTO and FHWA.	SCOH
	PR 2-13	Support and Leadership to Develop a Business Plan for the Establishment of an Operations Center of Excellence (CoE)	SCOM supported the development of CoE which is currently being developed	SCOH

Resolutions Ballot

Number	Nomination	Description	Vote (yes)	Vote (no)
14-01	SCOM Leadership	SCOM will investigate the feasibility of establishing a technical services program for maintenance quality assurance.		
14-02	SCOM Leadership	Establishment of a research liaison for SCOM		
14-07	SCOM Leadership	Invite NATSHO to 2015 SCOM Meeting		

RESEARCH BALLOT(CHRIS C)

FY 16 Problem Statement Ballot
AASHTO Subcommittee On Maintenance – Charleston, WV
July 31, 2014

State: _____

Potential Problem Statement	TWG	Rank (Importance to you) 1=low to 5=high
1) Triggers and Timings for the Placement of Pavement Preservation Treatments for Asphalt Pavements	Pavement	
2) Review of Recent Trends in Portland Cement Concrete Pavement (PCCP) Joint Sealing Practices and Performance	Pavement	
3) Update of the AASHTO Maintenance Manual (BTWG lead, PTWG assist)	Pavement	
4) Review and Update of the AASHTO Maintenance Manual for Roadways and Bridges	Bridge	
5) Synthesis of best practices/procedures that are associated with Bridge Maintenance and Preservation activities which minimize environmental impacts	Bridge	
6) Maintenance Actions for Fatigue Cracking in Steel Bridge Structures	Bridge	
7) Guidelines for the Development of State Departments of Transportation (DOTs) Highway Operations Equipment Multi-year Replacement Plans	Equipment	
8) The Efficient and Effective Design and Operations of Maintenance Facilities	Highway Safety and Reliability	
9) Reporting on Road Conditions during Weather Events	Highway Safety and Reliability	

***Please add:
Benefit-Cost Analysis of
Chip Seal Binder Alternatives
to your ballot**

1. We (SCOM) will submit as appropriate to NCHRP or 20-7
 2. We'll post it to the AASHTO Maintenance website <http://maintenance.transportation.org/>
 3. You'll see some of these again in March 2015 (or so), slightly modified and with NCHRP numbers.
 4. SCOM will rate the NCHRP proposals based on the results of today's ranking. You as an independent state will also have the opportunity to rate them through your internal process. Coordinate with your Research Office/Branch as appropriate.

Technical Working Group Reports

- Bridge
- Equipment
- Pavement
- Roadway and Roadside
- Highway Safety and Reliability



Bridge Working Group



2014 Work Plan Accomplishments 1

Workforce development

- Worked with TSP.2, FHWA BPETG, and industry on collection of maintenance training material and make available for practitioners – a page for shared training resources has been established on the TSP2 website.
- Supported the FHWA proposed Peer exchange idea for bridge maintenance – the BTWG Vice Chair for Research and Workforce Development will serve as a member of the Steering Committee.



2014 Work Plan Accomplishments 1

Workforce development

- Supported the planning efforts for and participated in the TSP.2 2014 national bridge preservation partnership conference.
- Served as a liaison and facilitator between the TSP.2 regional bridge preservation partnerships and AASHTO SCOM Leadership.
- Worked with TSP.2, FHWA BPETG, and industry on collection of acceptance and use of materials and products.



2014 Work Plan Accomplishments 1

Workforce development

- Collaborated with the Chair of the AASHTO Subcommittee on Bridges and Structures (SCOBS) to appoint liaisons between the BTWG and SCOBS.



2014 Work Plan Accomplishments 2

Research

•Submitted three research problem statements

- Detection and Remediation of Total Soluble Salt Contamination Prior to Coating Structural Steel (F-06) - This project was selected by the AASHTO SCOR during the March 2014 meeting and was assigned NCHRP Project Number 10-97 – This project has an allocation of \$500,000.



2014 Work Plan Accomplishments 2

Research

•Submitted three research problem statements

- Quantifying the Environmental Benefits of Bridge Preservation Treatments (NCHRP Problem F-03) – This project was selected by the AASHTO SCOR during the March 2014 meeting – This selection is contingent on the availability of funds - An allocation of \$500,00 was requested for this project.
- Maintenance Actions for Fatigue Cracking in Steel Bridge Structures (NCHRP Problem F-05) – This project was not selected by the AASHTO SCOR during the March 2014 meeting.



2014 Work Plan Accomplishments 3

Performance Measures

- Prepared to provide comments on the FHWA NPRM for performance measures on bridges and for asset management – regulations not yet issued.



2014 Work Plan Accomplishments 4

Environment

- Submitted research problem statement on quantifying the environmental benefits of bridge preservation treatments.
- Reviewed and provided comments on Phase II of research project “Standard Practice for Washing and Cleaning Concrete Bridge Decks and Substructure Bridge Seats including Bridge Bearings and Expansion Joints to Prevent Structural Deterioration” - the final report has been issued.



2015 Work Plan

- Focus Areas – Research
 - Support bridge related NCHRP projects and submit research problem statements.
 - Support the work of the TRB Bridge Preservation Committee (AHD37).
 - Support the work of the TRB Structures Maintenance Committee (AHD30).
 - Support the work of the TRB Bridge Management Committee (AHD35).
 - Support update of the TSP2 Research Roadmap.
 - Support FHWA’s Long Term Bridge Performance Program.



2015 Work Plan

- Focus Areas - Workforce Development
 - Continue working with TSP.2, FHWA BPETG, and industry on collection of maintenance training material and make available for practitioners.
 - Continue supporting the FHWA proposed Peer exchange idea for bridge maintenance – the BTWG Vice Chair for Research and Workforce Development will serve as a member of the Steering Committee.



2015 Work Plan

- Focus Areas - Workforce Development
 - Serve as a liaison and facilitator between the TSP.2 regional bridge preservation partnerships and AASHTO SCOM Leadership.
 - Continue working with TSP.2, FHWA BPETG, and industry on collection of acceptance and use of materials and products.
 - Support the AASHTO TC3 program.



2015 Work Plan

- Focus Areas - Workforce Development
 - Support FHWA's Bridge Preservation Expert Task Group efforts.
 - Conduct teleconferences and email exchanges with the Bridge TWG members.
 - Coordinate activities between AASHTO SCOBs and AASHTO SCOM through the appointed liaisons.



2015 Work Plan

- Focus Areas - Workforce Development
 - Update the Strategic Plan for the BTWG.
 - Support the efforts of the SCOM leadership to update the AASHTO Maintenance Manual for Roadways and Bridges.



2015 Work Plan

- Focus Areas - Performance Measures
 - Provide comments on the FHWA NPRM for performance measures on bridges and for asset management.
 - Continue to collaborate with FHWA BPETG, AASHTO SCOBs and other stakeholders on defining “State of Good Repairs” as it applies to the bridge assets.



2015 Work Plan

- Focus Areas - Environment
 - Submit and promote the problem statement “Synthesis of best practices/procedures that are associated with Bridge Maintenance and Preservation activities which minimize environmental impacts”.



Research 2

- **Research Implementation Recommendations**
 - Continue supporting implementation recommendations for NCHRP 14-24, Report 742 “Communicating the value of preservation”.
 - Support the implementation of SHRP2 Project R19A (Designing Bridges for 100 years service life).



Research 3

- **New Research Problem Statements**
 - Review and Update of the AASHTO Maintenance Manual for Roadways and Bridges.
 - Synthesis of best practices/procedures that are associated with Bridge Maintenance and Preservation activities which minimize environmental impacts.
 - Maintenance Actions for Fatigue Cracking in Steel Bridge Structures.



Proposed Resolutions

- Fall Protection Requirements for Highway Workers on Existing Bridges – Support the Highway Safety & Reliability and Bridge Technical Working Groups.
- Formalizing the Attendance of the TSP-2 Regional Bridge Preservation Partnerships at the Annual AASHTO SCOM Meeting



Resolutions Ballot

Number	Nomination	Description	Vote (yes)	Vote (no)
14-03	SCOM TWG Bridge	Formalizing the Attendance of the TSP-2 Regional Bridge Preservation Partnerships at the Annual AASHTO SCOM Meeting		
14-06	SCOM Highway Safety and Reliability and Bridge TWG	Fall protection requirements for highway workers on existing bridges.	(Duplicate: Highway Safety and Reliability)	

Equipment Working Group



2014 Work Plan Accomplishments 1

Workforce development

- Partnering with NCDOT, Farris State, and the Four Regional Equipment Partnerships to develop Nationally recognized Fleet Management Training
 - Development funding tentatively approved by the four regional partnerships
 - Prioritized training modules down to 10 core functions
 - Explore potential partnership with TC3 on portions of training



2014 Work Plan Accomplishments 2

Research

- NCHRP Synthesis 452: State DOT, Fleet Replacement Management Practices completed and published
- NCHRP Project 13-04 *Guide for Optimal Replacement Cycles of Highway Operations Equipment*. Project panel selected, RFP written, solicited and a research agency has been selected



2014 Work Plan Accomplishments 2

Research (continued)

- NCHRP Project 13-05 *Guidelines for the Development of Highway Operations Equipment Utilization and Management*. SCOM and SCOR approved, call for panel members closed late June, 2014
- Re-prioritized Research Needs identified by NCHRP 20-7 – Task 309 at the National Equipment Managers Conference in Orlando, Florida in June of 2014
 - Established a process to add any potential new research topics to keep the research “roadmap” current



2014 Work Plan Accomplishments 3

Performance Measures

- Four (4) common state DOT performance measures (utilization, preventative maintenance, retention, and availability) were developed and are being reported on the EMTSP.org website consistent with the AASHTO Resolution in 2012
- Goal was established at the 2014 National Equipment Managers Conference to increase from the current 17 States to 34 States reporting at least one of their performance measures on the website by 2016



2014 Work Plan Accomplishments 3

Performance Measures (continued)

- Successfully completed the AASHTO Triennial Review of the EMTSP



2014 Work Plan Accomplishments 4

Environment

- Monitored and disseminated information regarding new and proposed regulatory changes that impacted highway equipment fleets on the EMTSP.org website and at the regional partnership meetings such as the impacts of the 2014 tier IV off-road equipment emission standards.



2015 Research

- **Proposed Topics for Environmental Excellence Work plan**
 - Continued exploration of Telematics in all activities including winter maintenance, roadside vegetation management and idle reduction initiatives



2015 Research 2

- **Research Implementation Recommendations**
 - Continue quarterly regional conference calls discussing potential implementation strategies
 - Continue bi-annual regional partnership meetings to share the implementation successes within the DOTs
 - Continue the National EMTSP Conference to explore new potential research implementation activities



2015 Research 3

- **New Research Problem Statements**
 - From the Equipment Research Strategic Plan and the top research priorities poll taken in Orlando this June-
 - *Guidelines for the Development of Highway Operations Equipment Multi-year Replacement Plans*
 - Will aid in making an accurate and reliable process for projecting equipment replacement needs on a multi-year basis, estimating costs and smoothing the variable nature of year to year funding and equipment replacement needs
 - **Request your vote for this important research!**



Pavements Working Group



2014 Work Plan Accomplishments 1

Workforce Development

- Sustained high level of maintenance interest and involvement in the area of System Preservation.
- Promoted the Transportation System Preservation Technical Services Program (TSP²) to AASHTO Members.
- Supported the expansion of Regional Pavement Preservation Partnerships.
- Enhanced the Internal Communications of the PTWG by: expanding the membership list; improving the e-mail address list; and conducting quarterly telephone conference calls and/or webinars.



2014 Work Plan Accomplishments 2

Research

- Reviewed TRB/NCHRP Completed Research for possible publication as AASHTO Manuals.
- Assisted in the implementation of SHRP-2 products that are useful to pavement preservation and maintenance, especially R-26 and R-23.
- Worked to better understand the linkage of pavement preservation activities to overall crash reductions in comparison to traditional rehabilitation and reconstruction activities.



2014 Work Plan Accomplishments 3

Performance Measures

- Assisted in the development and implementation of performance measures that can be effectively utilized by member agencies and to meet the requirements of MAP-21.
- Supported the development of a guideline that would uniformly define the Remaining Service Life (RSL) of zero for use by member agencies.



2014 Work Plan Accomplishments 4

Environment

- Supported the development and promotion of life cycle assessment methodologies that demonstrate the environmental-friendliness and sustainability benefits of pavement preservation techniques and strategies.



2015 Work Plan

• Focus Areas – Research

- Review TRB/NCHRP Completed Research for possible publication as AASHTO Manuals or presentations in a series of “Pavement Preservation Book Club” webinars.
- Implement SHRP-2 products that are useful to pavement preservation and maintenance.
 - R-26: Preservation Approaches for High-Traffic-Volume Roadways
 - R23: Using Existing Pavements in place and Achieving Long Life



2015 Work Plan

- **Focus Areas - Workforce Development**

- Promote the Transportation System Preservation Technical Services Program (TSP²) to AASHTO members.
- Support TC3 and other groups in the development of various training and certification programs.
- Sustain high level of maintenance interest and involvement in Transportation System Preservation (TSP).



2015 Work Plan

- **Focus Areas - Workforce Development**

- Expand Regional Pavement Preservation Partnerships to include more LPA's, LTAP Centers, and MPOs.
- Enhance internal communications of the PTWG: expand membership and e-mail list; and conduct two telephone conference calls and/or webinars involving roundtable discussions for members.



2015 Work Plan

- **Focus Areas - Performance Measures**

- Support efforts to quantify the contributions of pavement preservation to safety and risk-based asset management programs.
- Assist in the development and implementation of Performance Measures to meet AASHTO members pavement preservation program needs.



2015 Work Plan

- **Focus Areas – Environment**

- Assist in the development and promotion of Pavement Preservation Life Cycle Assessment methodologies, including the demonstration of environmental benefits.



Research 1

- **Proposed Topics for Environmental Excellence Work plan**
 - None Submitted



Research 2

- **Research Implementation Recommendations**
 - 2009 20-81, Challenges and Success in Attracting and Retaining a Skilled Transportation Workforce – NCHRP Report 685.
 - Recommendation is to support this research as an AASHTO publication.
 - 2011 14-24, Communicating the Value of Preservation: A Playbook – NCHRP Report 742.
 - Recommendation is to support this research as an AASHTO publication.



Research 3

- **Research Implementation Recommendations**

- Other Published Reports to be reviewed this year.
 - 2005 10-68, Guidelines for the Use of Highway Pavement Warranties – NCHRP Report 699.
- Interim Reports to be reviewed once published.
 - 2010 14-22, Effective Removal of Pavement Markings.
 - 2010 10-82, Performance Related Specifications for Pavement Preservation Treatments.
 - 2010 14-20, Consequences of Delayed Maintenance .



Research 4

- **New Research Problem Statements**

- Triggers and Timings for the Placement of Pavement Preservation Treatments for Asphalt Pavements
- Review of Recent Trends in Portland Cement Concrete Pavement (PCCP) Joint-Sealing Practices and Performance.
- Update of the AASHTO Maintenance Manual
- Benefit-Cost Analysis of Chip Seal Binder Alternatives



Resolutions Ballot				
Number	Nomination	Description	Vote (yes)	Vote (no)
14-04	SCOM TWG Pavement	Support for FHWA Pavement Preservation Expert Task Group		
14-05	SCOM TWG Pavement	Support for Continuing and Expanding Pavement Preservation Research		

Roadway/Roadside Working Group



2014 Work Plan Accomplishments 4 Webinar Topics

- Thurs, May 8, 2014, 1:00 to 2:00 pm CST
 - Maintenance Manager Workshop
 - Innovative Winter Practices
 - Adopt A Highway/Reversible Trash Bags
- Thurs, Mar. 26, 2013, 1:00 to 2:00 pm CST
 - Automatic Data Collection
 - Sequential Barricade Warning Lighting
 - Deicing Chlorides – No Easy Answers



2014 Work Plan Accomplishments 2

- Research proposals approved:
 1. Determination of the Best Practices for Collecting, Processing and Managing Roadway Asset Inventory Data
 - Amir Hanna contact at NCHRP
 2. Reducing Risks to Worker Safety in Work Zones Due to Distracted Drivers
 - Mark Bush contact at NCHRP



2014 Work Plan Accomplishments 2

- Research Not Funded:
 - Determine Consequences of Deferred Maintenance of Highway Assets Other Than Pavement and Bridges
- Research Not Moved Forward:
 - Lifecycle Management of Small Drainage Culverts
 - Similar to soon to be completed research on Culvert Rehabilitation to Maximize Service Life While Minimizing Direct Costs and Traffic Disruption



2015 Work Plan

Focus Area - Research

- We plan to continue the webinars this fall and spring and focus on getting presentations of completed research



2015 Work Plan

Focus Areas - Workforce Development

- The NHI Maintenance Leadership Academy will be available again this year
- Support activities No Boundaries pooled fund – Implementing Maintenance Innovations from State to State

2015 Work Plan

Focus Areas - Performance Measures

- Begin the discussion of the need for consistent units of measurement in MQA programs

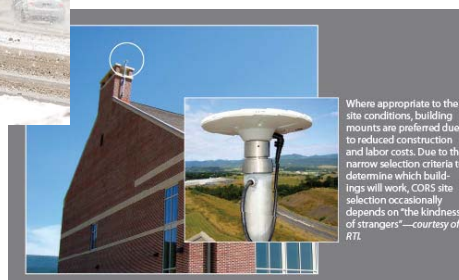
2015 Work Plan

Focus Areas - Environment

- Explore the maintenance of Best Management Practices for Storm Water and Silt detention



Highway Safety & Reliability Working Group



Where appropriate to the site conditions, building mounts are preferred due to reduced construction and labor costs. Due to the narrow selection criteria to determine which buildings will work, CORSS site selection occasionally depends on "the kindness of strangers"—courtesy of RTI.



2014 Work Plan Accomplishments 1

Workforce development

- Identified and promoted HS&R training needs by surveying TWG participating states/others and work with TC3 to create or locate existing training materials
- Promoted work zone safety via TWG efforts
- Completed dual access for CBTs. All 8 CBT's are available in both CD-ROM (and compatible with state's LMS (Learning Management Systems)



2014 Work Plan Accomplishments 2

Research

- Initiated planning for the 2015 Winter Maintenance Peer Exchange in Minneapolis (Vancouver, WA 2013). Planning committee participation.
- Succeeded in securing funding for the research needs statement on the winter toolkit via NCHRP. Development of a handbook on performance measure, performance monitoring tools, and performance standards



2014 Work Plan Accomplishments 3

Performance Measures

- Improved reliability via efforts that connect TSM&O, including SHRP2 and the Operations Center of Excellence. TWG participation in Subcommittee on Transportation Systems Operations & Management (STSOM) strategic planning effort (April 2014)
- Led the Subcommittee's resolution to support the Operations Center of Excellence



2014 Work Plan Accomplishments 4

Environment

- Implemented results of revised Chapter 8 of *Environmental Stewardship Practices, Procedures, and Policies for Highway Construction and Maintenance* (NCHRP 25-25 (04)) on Winter Operations and Salt, Sand, and Chemical Management. This chapter is now current with field practices (revision cycle possibly every 2-3 years).



2015 Work Plan

- Focus Areas – Research
 - Significant efforts being pursued and coordinated with Aurora and Clear Roads – established programs with existing liaisons
 - Promote outputs from previous Winter Maintenance Peer Exchanges – approach SICOP for lead and coordination (web maintenance)
 - Continue with planning for 4th Winter Maintenance Peer Exchange (2015)



2015 Work Plan

- Focus Areas - Workforce Development
 - Work with the Transportation Curriculum Coordination Council to locate or develop new training material – continue with strong liaison role
 - Finish development and implementation of web-based applications for existing computer-based training programs
 - Investigate other Safety & Reliability T2 needs using interactive Computer-based Training
 - Promote “Training of Traffic Incident Responders” from SHRP2



2015 Work Plan

- Focus Areas - Performance Measures
 - Promote implementation of best practices documented in the 2013 Final Report of NCHRP 20-07/Task 318
 - Collaborate with the Standing Committee on Performance Management
 - Promote PM accountability and transparency by implementing the findings of NCHRP studies



2015 Work Plan

- Focus Areas – Environment
 - Advance the state-of-the-practice in environmental stewardship by actively raising awareness and promoting best practices (BP exist in Chapter 8)
 - Identify a liaison with the Standing Committee on Environment
 - Seeking out examples of winter maintenance practices and programs that demonstrate sustainability and posting appropriate results on the Center of Environmental Excellence Promote the use of FHWA's INVEST tool and APWA's "Sustainability in Public Works Conferences," and the Salt Institute's "Safe and Sustainable Snowfighting"



2015 Work Plan

- Other focused efforts
 - Promote highway safety by:
 - Collaborating with Standing Committee on Highway Traffic Safety (SCOHTS) and Subcommittee on Transportation Systems Operations & Management (STSOM)
 - Documenting highway safety needs in maintenance work zones and snow and ice control operations, and communicating those needs to SCOHTS to incorporate into their work plans
 - Implementing NCHRP 500, Vol. 17, “A Guide for Reducing Work Zone Collisions
 - Collaborating with the FHWA Work Zone Management Program, especially the Peer-to-Peer Program (Paul Pisano)
 - Utilizing the results of the SHRP2 Naturalistic Driving Study data
 - Posting successes and best practices on the AASHTO Operations Center of Excellence website



2015 Work Plan

- Other focused efforts
 - Improve system reliability via:
 - Coordination with AASHTO Special Committee on Transportation Security and Emergency Management, the Standing Committee on Highway Traffic Safety, and the Subcommittee on Transportation System Management & Operations. Looking for liaison help with these groups
 - Promoting enhanced training from SHRP2 Reliability effort “Improving Traffic Scene Management”



Research 1

- **Proposed Topics for Environmental Excellence Work plan**
 - Promote INVEST tool



Research 2

- **Research Implementation Recommendations**
- NCHRP 14-21, Resource Allocations Logic... Rec adoption as AASHTO publication
- NCHRP 20-85, Renewable Energy Guide for... Rec keep as is
- NCHRP 14-24, Communication the Value of Preservation... Rec adoption as AASHTO publication
- NCHRP 20-7 Task 300, Method for Estimating Benefits... Rec keep as is
- NCHRP 20-7 Task 329, Assessing Alternative Delivery Methods... Rec keep as is
- NCHRP 20-7 Task 340, National Training Challenges... Rec keep as is



Research 3

- **New Research Problem Statements**

1. Efficient and Effective Design and Operations of Maintenance Facilities (poss Environmental Center of Excellence)
2. Reporting on Road Conditions During Weather Events



Resolutions Ballot

Number	Nomination	Description	Vote (yes)	Vote (no)
14-06	SCOM Highway Safety and Reliability and Bridge TWG	Fall protection requirements for highway workers on existing bridges.		

**UPDATE SCOM Strategic Plan
Mark/Jennifer/Chris**

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**TRB – Technical Activities
Division Update**

**AASTHO SCOM
July 2014**

James Bryant – TRB Staff

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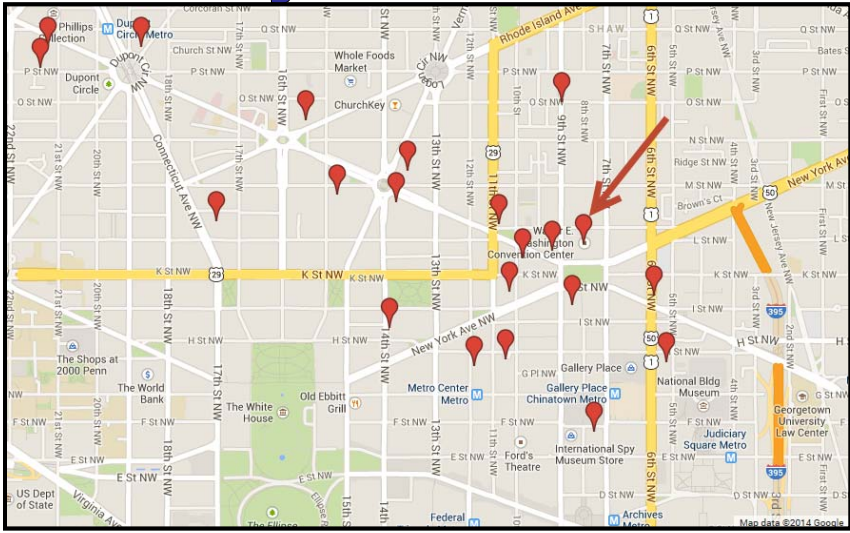
Transportation Research Board 94th Annual Meeting

January 11–15, 2015 ■ Washington, D.C.



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The Lay of the Land



TRANSPORTATION

Registration Opens in September!



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The image shows a large, modern conference hall with a high ceiling and recessed lighting. In the foreground, there are several registration tables with staff members. People are seen walking through the aisles. In the background, there are more tables and a large banner that says "ALLOCATION". The overall atmosphere is one of a busy, professional event.

TRANSPORTATION

2015 AASHTO/TRB Conference on Transportation Infrastructure Maintenance and Operations

The conference in 2015 will focus on Practical Innovations in Maintenance Operations and Management.

<http://www.trb.org/Calendar/Blurbs/170981.aspx>

Abstracts Due: September 15, 2014
Abstracts Reviewed by AASHTO TWGS: September – October
Authors Notified: November 2014
Full Manuscripts Due: February 1, 2015

RESEARCH BOARD

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The image features a clean, professional layout with a blue header and footer. The main text is centered and uses a mix of bold and regular fonts. The background of the header and footer has a subtle pattern of binary code and a stylized road or bridge graphic.

TRANSPORTATION

2015 AASHTO/TRB Conference

Options:

Presentation & Publication - Full Manuscripts

Presentation Only - Expanded Abstract
2-3 Pages clearly defining the project or case study and a summary of results.

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Other Items / The End

- See you in Iowa 😊

