

*Preliminary Draft Program – June 10, 2009*  
**12<sup>th</sup> AASHTO-TRB Maintenance Management Conference**  
**Loews Annapolis Hotel**  
**Annapolis, Maryland**  
**July 19-23, 2009**

**Sunday, July 19, 2009**

- 1:00 pm – 3:00 pm    **Chair Meeting**  
Carlos Braceras, Subcommittee Chair, *Utah Department of Transportation*, presiding  
Note: *The Chair Meeting is open to AASHTO Officers, Highway Subcommittee on Maintenance Officers, and other invited guests.*
- 3:00 pm – 3:15pm    Break
- 3:15 pm – 4:15pm    Chair Meeting (cont)
- 4:15 pm – 5:00pm    SCOM “*Strategic Planning part 1*” – Carlos Braceras
- 6:00 pm – 8:00 pm    Reception

**Monday, July 20, 2009**

- 7:00 am – 9:00 am    Breakfast
- 7:15 am – 7:45 am    New Member Orientation
- 8:30 am – 10:00 am    **Session 1: Opening**  
Carlos Braceras, Subcommittee Chair, *Utah Department of Transportation*, presiding  
  
Welcome – Carlos Braceras  
City of Annapolis - TBA  
Federal Highway Administration - TBA  
Maryland State Highway Administration - TBA
- 10:00 am – 10:30 am    Break
- 10:30 am – 12 Noon    **Session 2: Maintenance Quality Assurance**  
Jennifer Brandenburg, *North Carolina Department of Transportation*, presiding  
*Sponsored by Performance Measures Focus Group*

**Use of Monte Carlo Simulation to Evaluate the Kansas Department of Transportation’s Maintenance Quality Assurance Program (MMC09-042)**

Steven D. Schrock, C. Bryan Young and Deepak Chellamani, *University of Kansas*

**Development of a Comprehensive Framework for the Efficiency Measurement of Road Maintenance Strategies using Data Envelopment Analysis (MMC09-032)**

Mehmet Egemen Ozbek, *Colorado State University*; Jesús M. de la Garza and Konstantinos Triantis, *Virginia Polytechnic Institute and State University*

**Maintenance Quality Assurance in North America: State of the Practice (MMC09-030A)**

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Teresa Adams, Jason Bittner and Will Sierzchula, *University of Wisconsin-Madison*; Jennifer Brandenburg, *North Carolina Department of Transportation*

12 Noon – 1:00 pm Lunch

1:00 pm – 3:00 pm SCOM “*Strategic Planning part 2*” – Carlos Braceras (cont)

3:00 pm – 3:30 pm Break

3:30 pm – 4:30 pm **Focus Group Meetings**

**Equipment**, Erle W. Potter, Chair, *Virginia Department of Transportation*; Steven McCarthy, Vice Chair, *Utah Department of Transportation*

**Management Systems**, Paul E. Corti, Chair, *Vermont Agency of Transportation*

**Workforce Development**, Jim Fedas, Chair, *South Carolina Department of Transportation*

**Performance Measures**, Jennifer Brandenburg, Chair, *North Carolina Department of Transportation*; Steven M. Lund, Vice Chair, *Minnesota Department of Transportation*

**Contract Maintenance**, James Carney, Chair, *Missouri Department of Transportation*; Greg Duncan, Vice Chair, *Tennessee Department of Transportation*

4:30 pm – 5:30 pm **Task Force Meetings**

**Pavement**, Eric Pitts, Chair, *Georgia Department of Transportation*; Tim Lattner, Vice Chair, *Florida Department of Transportation*

**Roadside & Environment**, Michael T. Mattison, Chair, *Nebraska Department of Roads*

**Traffic Services & Safety**, Gary McVoy, Chair, *New York State Department of Transportation*; Richard Clarke, Vice Chair, *Utah Department of Transportation*

**Bridge**, Peter Weykamp, Chair, *New York State Department of Transportation*; John Buxton, Vice Chair, *Maine Department of Transportation*

**Snow & Ice**, William Hoffman, Chair, *Nevada Department of Transportation*; Brad Darr, Vice Chair, *North Dakota Department of Transportation*

**6:15 pm – 8:45 pm** Group A – Schooner Trip on the Chesapeake Bay  
Group B – evening on your own (see Wednesday)

**Tuesday, July 21, 2009**

7:00 am – 9:00 am Breakfast

8:30 am – 10:00 am **Session 3A: Performance-Based Contracting and Asset Management**  
James Carney, *Missouri Department of Transportation*, presiding  
*Sponsored by Contract Maintenance Focus Group*

**North Carolina Department of Transportation’s Performance-Based Contracting Experience in Charlotte** (MMC09-005)

Jonathan Arnold, Jennifer Brandenburg and Lonnie Watkins, *North Carolina Department of Transportation*

**Performance-Based Contracting—Yes or No: An In-Depth Analysis** (MMC09-002)

Bob G. McCullough and Panagiotis Ch. Anastasopoulos, *Purdue University*

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**Results and Lessons Learned from District Department of Transportation's Tunnel Asset Management Contract (MMC09-015A)**

Pekka Pakkala and Mark Robinson, *Science Applications International Corporation (SAIC)*; Simon Rennie and Yared Tesfaye, *District of Columbia Department of Transportation*

**Session 3B: Bridge Planning, Management and Monitoring**

Peter Weykamp, *New York State Department of Transportation*, presiding  
*Sponsored by Bridge Task Force*

**Asset Management Plan for the Ambassador Bridge (MMC09-025)**

Michael F. Britt and Michael J. Borzok, *Modjeski and Masters, Inc.*

**Bridge Management Decision-Making: Domestic Scan Results**

Peter Weykamp, *New York State Department of Transportation*

**A Wireless Sensor for Monitoring Chloride Ingress in Concrete (MMC09-028)**

Rengaswamy Srinivasan, Bliss G. Carkhuff and Terry E. Phillips, *Johns Hopkins University*; Hassan M. Saffarian, *Corrosion Sensors, LLC*

10:00 am – 10:30 am Break

10:30 am – 12 Noon **Session 4A: Pavement Performance and Preservation Programs**

Eric Pitts, *Georgia Department of Transportation*, presiding  
*Sponsored by Pavements Task Force*

**Long-Term Performance of Failed Flexible Pavements Stabilized with Cement (MMC09-021)**

Gregory E. Halsted, *Portland Cement Association*

**Concrete Pavement Preservation and Rehabilitation to Meet Sustainability Demands (MMC09-036)**

Dale S. Harrington, *Snyder and Associates, Inc.*; Kurt D. Smith, *Applied Pavement Technology, Inc.*;  
John Roberts, *International Grooving & Grinding Association*; Marcia Brink, *National Concrete Pavement Technology Center*

**Implementation of a Pavement Preservation Program in Illinois (MMC09-043)**

Angela Wolters, *Applied Pavement Technology, Inc.*; LaDonna Rowden and Kevin Burke III, *Illinois Department of Transportation*; David Peshkin, *Applied Pavement Technology, Inc.*

**Session 4B: Outsourcing and Safety Issues**

Gary McVoy, *New York State Department of Transportation*, presiding  
*Sponsored by Traffic Services & Safety Task Force, and Equipment Focus Group*

**Outsourcing: What are You Prepared To Do About It? (MMC09-009A)**

Marshall Stivers, *Infrastructure Corporation of America*

**Pavement Striping Visibility in Wet Conditions (MMC09-018A)**

Vincent Liu, *Utah Department of Transportation*

**Variable Speed Limit Signs: Effects on Speed and Speed Variation in Work Zones (MMC09-008)**

Thomas McMurtry, *InterPlan Co. Inc.*; Mitsuru Saito, *Brigham Young University*; Matt Riffkin and Suellen Heath, *InterPlan Co. Inc.*

12 Noon – 1:00 pm Lunch

1:30 pm – 3:30 pm Naval Academy Tour

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3:30 pm – 4:30 pm Technical Tour (Chesapeake Bay Bridge)

5:00 pm – 8:00 pm Sandy Point State Park (Chesapeake Bay Crab Feast)

**Wednesday, July 22, 2009**

7:00 am – 9:00 am Breakfast

8:30 am – 10:00 am **Session 5A: Management Systems: Data Collection, Maximizing Resources and Pavement Knowledge Base**  
Paul E. Corti, Vermont Agency of Transportation, presiding  
*Sponsored by Management Systems Focus Group; Equipment Focus Group*

**Use of PDA's to Capture Field Data for Input in North Carolina's Maintenance Management System (MMC09-022)**

Jim Edgerton and Charles Pilson, *AgileAssets, Inc.*; Matthew Whitley, *North Carolina Department of Transportation*

**Pavement Management System: From Database to Knowledge Base (MMC09-029A)**

Wenbing Song, *Maryland State Highway Administration*

**Defining and Understanding the Difference between Maintenance Management and Asset Management**

Simon Lewis, *Agile Assets, Inc.*

**Session 5B: Workforce Development**

Jim Feda, South Carolina Department of Transportation, presiding  
*Sponsored by Workforce Development Focus Group*

**Transportation Supervisor Workforce Development for the North Carolina Department of Transportation (MMC09-024)**

Scott G. Capps and Kevin Brantley, *North Carolina Department of Transportation*

**Finding Best Practices in Attracting and Retaining a Capable Workforce (NCHRP 20-81), Marie Venner, Venner Consulting**

**Knowledge Management, William H. Bushman, Anderson and Associates, Inc.**

10:00 am – 10:30 am Break

10:30 am – 12 Noon **Session 6A: Management Aspects of Winter Services**  
William Hoffman, Nevada Department of Transportation, presiding  
*Sponsored by Snow & Ice Task Force, and Equipment Focus Group*

**Cost-Benefit Analysis of the Pooled-Fund Maintenance Decision Support System: Case Study (MMC09-020)**

Zhirui (Jared) Ye and Xianming Shi, *Montana State University*; Christopher K. Strong, *City of Oshkosh*

**Integrating Maintenance Management Systems with Maintenance Decision Support Systems (MMC09-048)**

Paul A. Pisano, *Federal Highway Administration*; William H. Hoffman, *Nevada Department of Transportation*; Andrew D. Stern, *Noblis, Inc.*

**Use and Cost Benefit of Weather Information in Winter Maintenance (MMC09-019)**

Zhirui (Jared) Ye and Xianming Shi, *Montana State University*; Christopher K. Strong, *City of Oshkosh*

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**Session 6B: Environmental Assets, Vegetation Inventory, and Maintenance Issues in Design and Construction**

Michael T. Mattison, *Nebraska Department of Roads*, presiding

*Sponsored by Roadside & Environment Task Force; Traffic Services & Safety Task Force; Management Systems Focus Group*

**Management of Environmental Features and Assets (MMC09-047)**

Marie Venner, *Venner Consulting*; Christine Paulsen, *ICF International*

**State Department of Transportation Vegetation Inventory Protocol Project (MMC09-026A)**

Victor Maddox and Clifton Abbott, *GeoResources Institute*; John Byrd, Jr., *Plant and Soil Sciences*; Dave Thompson, *Mississippi Department of Transportation*

**Solving Maintenance Issues in Design and Construction (MMC09-013)**

Joe S. Graff, *Halcrow, Inc.*

12 Noon – 1:00 pm Lunch

1:00 pm – 2:30 pm **Focus Group Meetings**

**Equipment**, Erle W. Potter, Chair, *Virginia Department of Transportation*; Steven McCarthy, Vice Chair, *Utah Department of Transportation*

**Management Systems**, Paul E. Corti, Chair, *Vermont Agency of Transportation*

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2:30 pm – 3:00 pm Break

3:00 pm – 4:30 pm **Task Force Meetings**

**Pavement**, Eric Pitts, Chair, *Georgia Department of Transportation*; Tim Lattner, Vice Chair, *Florida Department of Transportation*

**Roadside & Environment**, Michael T. Mattison, Chair, *Nebraska Department of Roads*

**Traffic Services & Safety**, Gary McVoy, Chair, *New York State Department of Transportation*; Richard Clarke, Vice Chair, *Utah Department of Transportation*

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6:15 pm – 8:45 pm *Group B – Schooner Trip on the Chesapeake Bay*  
*Group A – evening on your own*

**Thursday, July 23, 2009**

7:00 am – 9:00 am Breakfast

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8:30 am – 10:00 am **Subcommittee Business Meeting**

Carlos Braceras, Subcommittee Chair, *Utah Department of Transportation*, presiding  
Note: *Non-Members of the AASHTO Highway Subcommittee on Maintenance are invited to attend the Business Meeting as observers.*

The SCOM membership will propose a strategic plan for the future direction of the Subcommittee's key performance areas within the context of the Standing Committee on Highways' Strategic Plan. The plan will be open for discussion, hopeful to gain consensus.

10:00 am – 10:30 am Break

10:30 am – 12 Noon **Subcommittee Business Meeting (cont.)**

Lacy Love, Subcommittee Chair, *North Carolina Department of Transportation*, presiding

Task Force and Focus Groups will also have an opportunity to briefly report out on items discussed during their breakout sessions, progress made during the past year, and future initiatives for the next year. Proposed Resolutions will be brought forward to the entire SCOM, as they will be presented, discussed, and voted on at this time.

**Committee Assignments and Changes**

**Future Meetings**

2010	Savannah, GA
2011	Mississippi Valley
2012	WASHTO
2013	NASTO