

Preliminary Draft

2012 AASHTO/TRB Maintenance Conference

Sheraton Seattle Hotel

Seattle, Washington

July 15 -19, 2012

Saturday, July 14, 2012

8:00 AM – 5:00 PM

Pre-Conference Meeting
AASHTO SICOP Meeting

Sunday, July 15, 2012

10:00 AM – 6:00 PM

Registration and Information

1:00 PM – 5:00 PM

AASHTO SCOM Leadership Meeting *(by invitation)*

6:00 PM

Icebreaker Social

Monday, July 16, 2012

7:00 AM – 5:00 PM

Registration and Information

7:00 AM – 9:00 AM

Breakfast

7:15 AM – 8:00 AM

Subcommittee on Maintenance Orientation Breakfast

Jennifer Brandenburg, North Carolina Department of Transportation, presiding

8:00 AM – 9:30 AM

Opening Session

Carlos Braceras, Utah Department of Transportation, presiding

Color Guard/National Anthem

Welcome:

TBD, Washington State Department of Transportation

Updates: Federal Highway Administration

TBD, Federal Highway Administration

Updates: AASHTO/Highway Subcommittee on Maintenance

Carlos Braceras, Utah Department of Transportation

Alaskan Way Viaduct Replacement and Tunnel Projects

TBD, Washington State Department of Transportation

9:30 AM – 10:00 AM

Break

10:00 AM – 12 Noon

Technical Working Groups – Breakout Sessions

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

12 Noon – 1:00 PM

Lunch

1:00 PM – 2:00 PM

Maintenance and Preservation Contracting

Chris Christopher, *Washington State Department of Transportation*

Panel Discussion:

Members, TBD

2:00 PM – 3:15 PM

TRACK A

Issues in Pavement Preservation and Maintenance

Eric Pitts, *Georgia Department of Transportation*, presiding

Sponsored by the Pavement and Bridge Technical Working Groups

Using Automated Pavement Condition Measurements to Indicate Appropriate Pavement Preservation and Maintenance Options (MMC-2012-103), Mary Stroup-Gardiner, *Gardiner Technical Services*; Dharamveer Singh, *University of Oklahoma*

Improvements in Asphalt Rubber Chip Seal Application with Warm Mix Technology (MMC-2012-145), DingXin Chen, Lerose Lane and R. Gary Hicks, *California Pavement Preservation Center*

Partnering in Maintenance Management – It Works! (MMC-2012-144A), Milton Thacker, *DBi Services*

TRACK B

Equipment Training and Implementation of New Technologies

Erle Potter, *Virginia Department of Transportation*, presiding

Sponsored by Equipment, and Highway Safety and Reliability Technical Working Groups

Equipment Mechanic Training and Certification (MMC-2012-120), David W. Wemhoff, *ManTech Systems Engineering and Advanced Technologies, Inc.*

Use of AVL, GIS, and GPS Systems to Increase Efficiencies and Decrease Cost in Maintenance Management (MMC-2012-137), Amy Burlarley-Hyland, Bill Toothill and Arobindu Das, *DBi Services LLC*

Connecting AVL/GPS, MDSS and ITS to Improve Traveler and Highway Maintainer (Snowplow Operator) Safety (MMC-2012-126A), Anthony K. McClellan, *Meridian Environmental Technology, Inc.*; Steve P. Garbe, *Iteris, Inc.*

3:15 PM – 3:45 PM

Break

3:45 PM – 5:00 PM

Performance Measures, Decision Support and Risk Management in Highway Maintenance

Steve Lund, *Minnesota Department of Transportation*, presiding

Sponsored by the Highway Safety and Reliability Technical Working Group

Performance-Based Maintenance and Operations Management (MMC-2012-135), Michael J. Markow, *Consultant in Transportation and Infrastructure*

Best Practices in Highway Maintenance Performance Measuring (MMC-2012-139), Kathryn A. Zimmerman, *Applied Pavement Technology*; Russ Yurek, *Maryland State Highway Administration*

Decision Support Technologies and Maintenance Management (MMC-2012-125A), Benjamin W. Hershey, Anthony K. McClellan and John J. Mewes, *Meridian Environmental Technology, Inc.*

5:00 PM

Adjourn (*Dinner on your own*)

Tuesday, July 17, 2012

7:00 AM – 12 Noon

Registration and Information

7:00 AM – 8:00 AM **Technical Working Groups Leadership Breakfast**
7:00 AM – 9:00 AM **Breakfast**

8:00 AM – 9:30 AM **Technical Working Groups – Breakout Sessions**

- **Bridge**
Bridge Deck Preservation and Crash Reduction (MMC-2012-105A), Richard J. Baker, Interstate Road Management Corp
- **Equipment**
- **Roadway and Roadside**

9:30 AM – 10:00 AM **Break**

10:00 AM – 11:30 AM **Technical Working Groups – Breakout Sessions**

- **Highway Safety and Reliability**
Public Works/ DOT Role in Traffic Incident Management and All-Emergencies Response (MMC-2012-109A), Dave Bergner, *International Municipal Signal Association*; Kim Vasconez, *Federal Highway Administration*
- **Pavement**
An Optimization Model for Pavement Maintenance Planning and Resource Allocation (MMC-2012-136), Mary I. Panagopoulou and Athanasios P. Chassiakos, *University of Patras, Greece*

11:45 AM – 6:00 PM **Boxed Lunch and Technical Tour of I-90 Floating Bridge, I-90 Tunnel, and Seattle Signals Shop**

From the hotel lobby, buses will begin loading at 11:45 a.m. for a noon departure. At the bridge stop, optional activities include a five minute boat ride to inspect a bridge pontoon, ladder climbing and negotiating hatches. At the tunnel stop, optional activities involve a catwalk and stairs. Wear suitable footwear on the tour; all necessary personal protective equipment will be provided.

6:00 PM – **Adjourn** (*Dinner on your own*)

Wednesday, July 18, 2012

7:00 AM – 5:00 PM **Registration and Information**

7:00 AM – 8:00 AM **Federal Highway Administration Breakfast**

7:00 AM – 9:00 AM **Breakfast**

8:00 AM – 9:45 AM

Bridge Maintenance, Inspection and Management

Peter Weykamp, *New York Department of Transportation*, presiding
Sponsored by Bridge Technical Working Group

Determining the Items that Structure Bridge Management Components and their Relative Weights (MMC-2012-142A), Joshua Johnson and Mehmet E. Ozbe, *Colorado State University*

Bridge Element Deterioration and Life Expectancy in Florida and Virginia (MMC-2012-122), Paul D. Thompson, *Consultant*

Mn/DOT's New Integrated Bridge Maintenance, Inspection, and Management System (MMC-2012-131A), Jeremy Shaffer, *InspectTech*

Effective Use of Structural Health Monitoring for Highway Bridge Maintenance (MMC-2012-104), Steven C. Lovejoy, *Oregon Department of Transportation*; Barry Myers, *Engineered Monitoring Solutions, Inc.*

9:45 AM – 10:15 AM **Break**

10:15 AM – 12 Noon

Maintenance of Roadways and Roadsides

Mike Mattison, Nebraska Department of Roads, presiding

Sponsored by the Roadway and Roadside Technical Working Group

Level of Service Ranking Using the Percent Within Limits Measure (MMC-2012-143), Robert L. Schmitt, Samuel Owusu-Ababio and William M. McElroy, *University of Wisconsin*; Richard M. Weed, *Consultant*

Wet Night Visibility of Pavement Markings: Research and Test Methods (MMC-2012-102), Paul J. Carlson, *Texas Transportation Institute*

Developing an Effective Traffic Control Devices and Roadway Lighting Maintenance Management Program (MMC-2012-106A), Dave Bergner and Lonnie Tebow, International Municipal Signal Association

Are Demonstration Projects Worthwhile? Two Successful Case Histories: Geosynthetically Reinforced Soil Walls and Ballistic Soil Nails for Shallow Roadside Slope Failures (MMC-2012-138A), Robert Barrett, John Stewart, Colby Barrett and Bryan Wavra, *Soil Nail Launcher, Inc.*

12 Noon – 1:00 PM **Lunch**

1:00 PM – 2:45 PM **Technical Working Groups – Breakout Sessions**

- **Pavement**
- **Roadway and Roadside**

2:45 PM – 3:15 PM **Break**

3:15 PM – 5:00 PM **Technical Working Groups – Breakout Sessions**

- **Bridge**
- **Equipment**
- **Highway Safety and Reliability**

5:30 PM – 10:30 PM **Tillicum Village Cruise and Dinner**

From the hotel lobby, buses will begin loading at 5:30 p.m. for transport to the waterfront and the Argosy dock. The more adventurous can walk the 10 blocks to the dock if they please. Maps and directions will be provided. The boat will leave the dock at 6:30 p.m. for a 45 minute boat ride across Puget Sound to Blake Island and Tillicum Village where there will be a Northwest salmon dinner and dance performance in the spirit of West Coast Natives. The boat will return to the Seattle dock at 10:30 p.m. where buses will return you to the hotel.

Thursday, July 19, 2012

7:00 AM – 12 Noon **Registration and Information**

7:00 AM – 9:00 AM **Breakfast**

8:00 AM – 9:45 AM

Subcommittee on Maintenance Business Meeting**

Jennifer Brandenburg, *North Carolina Department of Transportation*, presiding

Technical Working Group Reports

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

Additional reports and resolutions

9:45 AM – 10:15 AM **Break**

10:15 AM – 12 Noon

Subcommittee on Maintenance Business Meeting** (cont)

Chris Christopher, *Washington Department of Transportation*, presiding

Additional reports

12 Noon **Adjourn**

** *Conference participants who are non-SCOM members are invited to attend the Business Meeting as observers.*