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  

- **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*  

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*  
- **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**
- **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


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.**