

**National Pavement Management Conference**  
**Norfolk, Virginia**  
**May 6-9, 2007**  
**Final Program**

***Sunday, May 6, 2007***      ***Pre-Conference Workshops***

**9:00 AM to 12:30 PM**

**Using PMS to validate the new Mechanistic-Empirical Design Guide**  
Ron Hudson, AgileAssets Inc.

**1:30 PM to 5:00 PM**

**Incorporating PMS into a Preservation Program**  
Katie Zimmerman Applied Pavement Technology, Inc.

**2:00 PM to 5:00 PM**

**Technical Tour: The Chesapeake Bay Bridge Tunnel**  
Following its opening on April 15, 1964, the Bridge-Tunnel was selected "One of the Seven Engineering Wonders of the Modern World" in a worldwide competition that included more than one hundred major projects. In addition, in 1965, it was distinguished as "The Outstanding Civil Engineering Achievement" by the American Society of Civil Engineers. The tour will be guided by a member of the Chesapeake Bay Bridge and Tunnel Authority and will cover some of the most challenging aspects of running this landmark facility in one of the most beautiful locations on the East Coast.

**6:00 PM to 8:30 PM**

**Reception**

Join with the other participants, vendors and presenters for a welcoming reception for the Pavement Management Conference. Talk with presenters at the Conference, representatives from vendors and other Conference participants. Enjoy the evening with old and new friends on the scenic waterfront of Norfolk harbor.

Note: The Workshops, Technical Tour, and Reception are included in the registration fee. Lunch and Dinner on Sunday will be on your own.

**Monday, May 7, 2007**

***Opening Session - Setting a Strategic Focus for Pavement Management***

**Chair: Tanveer Chowdhury, Virginia DOT**

**7:30 -8:30      Registration and Continental Breakfast**

**8:30              Welcome and Opening Remarks**  
Pierce Homer, Secretary of Transportation, Virginia DOT  
King Gee, Associate Administrator, Federal Highway Administration  
Quintin Elliott, Director of Asset Management, Virginia DOT

**9:15              Keynote Address: “FOUR DECADES OF PAVEMENT MANAGEMENT: What We Have Learned, Forgotten or Never Knew.”**  
W. Ronald Hudson, AgileAssets Inc..

**10:00            Break**

**10:30            Pavement Decision-making, Asset Management, and PMS**  
Gordon Proctor, Consultant

**11:10            What PMS means to a State**  
Steve Varnadoe, North Carolina DOT

**11:50            Conference Challenges**  
Tanveer Chowdhury, Virginia DOT

**12:00            Lunch**

## Monday, May 7, 2007 - Concurrent Sessions

### *Session 1a*      *PMS to support the new Mechanistic-Empirical Pavement Design Guide*

**Chair:** Gary Crawford, FHWA Design Guide Implementation Team

- 1:00**            **Mechanistic-Empirical Design Guide: Project Level Pavement Management**  
Charles Dougan, Connecticut Transportation Institute
- 1:30**            **Overview of Mechanistic-Empirical Design Guide**  
Chris Wagner, FHWA
- 2:00**            **MEPDG Calibration Requirements**  
Harold Von Quintus, Applied Research Associates
- 2:30**            **Break**
- 3:00**            **PMS Data Needs for MEPDG Calibration**  
Pim Visser, AgileAssets, Inc.
- 3:30**            **Truck Traffic Volume and Weight Data for Pavement Management System**  
Harshad Desai, FHWA
- 4:00**            **Case Study: Mississippi**  
Cindy Drake and Jeff Wages, Mississippi DOT
- 4:30**            **The Future of Pavement Design and PMS**  
Nadarajah Sivaneswaran, FHWA

### *Session 1b*            *Engineering Analysis with PMS Data*

**Chair:** Bill Hurgury, Arizona DOT

- 1:00**            **PMS Data Analyses: Do's and Don'ts**  
Roger Smith, Texas A&M University
- 1:30**            **Kansas GIS/3D Model Project**  
Stan Young, Kansas DOT
- 2:00**            **Minnesota Preventive Maintenance Study**  
Erland Lukanen, Minnesota DOT
- 2:30**            **Break**
- 3:00**            **Identifying Poor Pavements in Ohio**  
Andrew Williams, Ohio DOT
- 3:30**            **Engineering Analysis and PMS: WSDOT Experience**  
Linda Pierce, Washington State DOT
- 4:30**            **Conclusions, Questions and Answers**

## *Tuesday, May 8, 2007 - Concurrent Sessions*

### *Session 2a Pavement Preservation and Remaining Service Life using PMS*

**Chair: Luis Rodriguez, FHWA**

- 8:00 Pavement Preservation Reviews and PMS**  
Larry Galehouse, National Center for Pavement Preservation
- 8:30 Pavement Preservation / PMS Perspective: Nevada**  
Sohilia Bemanian, Consultant
- 9:00 Integrating Pavement Preservation and PMS**  
Katie Zimmerman, Applied Pavement Technologies, Inc.
- 9:30 Pavement Performance Programming using PMS**  
Mary Gayle Padmos, Montana DOT
- 10:00 Break**
- 10:30 Remaining Service Life and PMS**  
Dr. Gilbert Baladi, Michigan State University
- 11:00 National Remaining Service Life Project**  
Maks Alam, Battelle Science and Technology International
- 11:30 Conclusions, Questions and Answers**
- 12:00 Lunch**

### *Session 2b QA/QC and Data Collection Issues*

**Chair: Jon Watson, Montana DOT**

- 8:00 Implementing a QA/QC Program**  
Perry Vanderhurst, FHWA Eastern Federal Lands
- 8:30 Network Level Pavement Distress Measurement Standards**  
Andy Mergenmeier, FHWA
- 9:00 QA/QC: WSDOT Experience**  
Linda Pierce, Washington State DOT
- 9:30 QA/QC: Oklahoma Experience**  
Justin Calvarese, Oklahoma DOT
- 10:00 Break**
- 10:30 QA/QC: Virginia Experience**  
Raja Shekham, Virginia DOT
- 11:00 Data Collection, PMS and DOT Institutional Issues**  
Ed Block, Connecticut DOT
- 11:30 Conclusions, Questions and Answers**
- 12:00 Lunch**

## *Tuesday, May 8, 2007 - Concurrent Sessions*

### *Session 3a PMS Support to Asset Management*

**Chair: Chuck Larson, Stantec**

- 1:00**      **Asset Management: National Perspective**  
Sue McNeil, University of Delaware
- 1:30**      **Asset Management: State Perspective**  
Lacy Love, North Carolina DOT
- 2:00**      **Asset Management: International Perspective**  
Tom Kazmierowski, Ontario Ministry of Transportation
- 2:30**      **Break**
- 3:00**      **Integration of PMS and IMS**  
Bruce Dietrich, Florida DOT
- 3:30**      **Case Study: Data Integration**  
Said Ismail, Louisiana DOT
- 4:00**      **Case Study: PMS supporting Asset Management**  
John Coplantz, Oregon DOT
- 4:30**      **Conclusions, Questions and Answers**

### *Session 3b Special Topics in Pavement Management*

**Chair: Rick Bennet, New York State DOT**

- 1:00**      **Results of the 2007 PMS Survey**  
Nastaran Saadatmand
- 1:15**      **RWD, Pavement Deflection and PMS**  
Thomas Van, FHWA
- 1:30**      **Using Deflection measurements in Virginia's PMS**  
Khaled Galal, Virginia Research Technical Center
- 2:00**      **Working with your IT Department: PMS perspective**  
Neil Mastin, North Carolina DOT
- 2:30**      **Break**
- 3:00**      **PMS and the new HPMS Program**  
David Winter, FHWA
- 3:30**      **LTPP data for Pavement Performance and PMS Applications**  
Newt Jackson, Nichols Engineering
- 4:00**      **Regional PMS Application - San Francisco Bay Area**  
Theresa Rommel, Metropolitan Transportation Commission
- 4:30**      **Conclusions, Questions and Answers**

***Wednesday, May 9, 2007 - Closing Session: Challenges and Opportunities that await***

**Chair: Stephen Gaj, FHWA**

- 8:00**            **Next Generation PMS**  
Stuart Hudson, AgileAssets, Inc.
- 8:30**            **Innovation and Research in Pavement Management**  
Brian McWaters, Koch Performance Roads, Inc
- 9:00**            **Education and Training Opportunities**  
Gerardo Flintsch, Virginia Tech
- 9:30**            **The Future of Management System: PMS**  
Ralph Haas, University of Waterloo
- 10:00**          **Break**
- 10:30**          **Panel Discussion: Where do we go from here?**  
Moderator: Ron Hudson, AgileAssets, Inc.
- 11:45**          **Conference Wrapup**
- 12:00**          **Adjourn**