

Event Number:

Event Title: Transportation Asset Management Committee

Event Date: Jan 24 2011 1:30PM- 5:30PM

Event Location: Hilton

Event Description:

Event Agenda:

Presiding Officers:

Zimmerman, Kathryn A., Applied Pavement Technology, Inc.

Sponsored By:

Transportation Asset Management (ABC40)

Presentations:

Subject Areas:

Administration and Management - ADM
Maintenance and Preservation - MAP

Event Number:

Event Title: Geotechnical Asset Management Subcommittee, AFP10(2)

Event Date: Jan 24 2011 10:15AM- 12:00PM

Event Location: Marriott

Event Description:

Event Agenda:

Presiding Officers:

Stanley, David , Alaska Department of Transportation and Public Facilities

Sponsored By:

Engineering Geology (AFP10)

Presentations:

Subject Areas:

Geotechnology - GEO

Event Number:

Event Title: AASHTO Asset Management Subcommittee Joint Meeting

Event Date: Jan 24 2011 10:15AM- 12:00PM

Event Location: Hilton

Event Description:

Event Agenda:

Presiding Officers:

Steudle, Kirk T., Michigan Department of Transportation

Sponsored By:

Transportation Asset Management (ABC40)

Presentations:

Subject Areas:

Administration and Management - ADM

Maintenance and Preservation - MAP

**Event
Number:** 106

Event Title: Nondestructive Evaluation for Bridge Maintenance

Event Date: Jan 23 2011 9:00AM- 12:00PM

**Event
Location:** Marriott

Event Description: The public sector has invested significant effort in developing NDE and structural health monitoring tools suitable for objective condition assessment of highways and bridges. This workshop addresses use of NDE as a tool for bridge maintenance and asset management. It is designed for stakeholders, practitioners, and researchers and focuses on three key aspects of NDE: tools and technologies; best fit for maintenance and preservation; and barriers to implementation in the bridge management program.

**Event
Agenda:**

Presiding Officers:

Arndt, Ralf , Federal Highway Administration

Huston, Dryver Roy, University of Vermont

Sponsored By:

Bridge Management (AHD35)

Structures Maintenance (AHD30)

Field Testing and Nondestructive Evaluation (NDE) of Transportation Structures (AFF40)

Transportation Asset Management (ABC40)

Presentations:

Welcome and Workshop Overview ([P11-0187](#))

McAbee, Wendy , Federal Highway Administration

**Coordination and Collaboration in Nondestructive Evaluation for Bridge Maintenance:
Leveraging Research Resources and Accelerating Discovery ([P11-0188](#))**

Kuehn, David , Federal Highway Administration

**Structural Health Monitoring and Nondestructive Testing for Bridge Evaluation and
Maintenance ([P11-0189](#))**

Alampalli, Sreenivas , New York State Department of Transportation

Nondestructive Testing for Bridge Maintenance in Germany ([P11-0190](#))

Krieger, Jürgen , Federal Highway Research Institute, Germany

Multisensor Techniques in Nondestructive Bridge Evaluation ([P11-0191](#))

Huston, Dryver Roy, University of Vermont

Challenges in the Use of Nondestructive Evaluation to Assess Concrete Bridge Deck Conditions ([P11-0192](#))

Gucunski, Nenad , Rutgers University

Roadway Monitoring Using Traffic Embedded Sensing ([P11-0193](#))

Wang, Ming , Northeastern University

Life-Cycle Cost Based Bridge Management in Japan ([P11-1883](#))

Furuta, Hitoshi , Kansai University, Japan

Summary and Concluding Remarks ([P11-0194](#))

Porter, Jonathan , Federal Highway Administration

Subject Areas:

Bridges and Other Structures - BOS

Maintenance and Preservation - MAP

**Event
Number:** 124

Event Title: How to Implement a Transportation Asset Management Program in Your Organization

Event Date: Jan 23 2011 9:00AM- 12:00PM

**Event
Location:** Hilton

Event Description: This workshop is designed for transportation executives, professionals, and practitioners to address the why's and how's of planning and implementing a successful transportation asset management (TAM) program. The workshop will include a forum for exchanging information among experts on planning and implementing TAM programs, examples of TAM plans and implementation methods used at various agencies and organizations, and best practices for program development and implementation.

**Event
Agenda:**

Presiding Officers:

Price, Jeff , Virginia Department of Transportation

Sponsored By:

Transportation Asset Management (ABC40)

Presentations:

Local Agency Applications in Asset Management ([P11-0634](#))

Bugas-Schramm, Patricia , PBS Consulting, Inc.

State Applications in Asset Management ([P11-0635](#))

Redd, Larry , IPM Analytics

The New Asset Management Guide: Volume 2 ([P11-0637](#))

Park, Hyun-A , Spy Pond Partners

Asset Management Applications in Australia ([P11-0639](#))

Roorda, Jeff , Jeff Roorda and Associates, Australia

Asset Management Applications in Transport London ([P11-0640](#))

Hawker, Les , Transport for London, United Kingdom

Subject Areas:

Administration and Management - ADM

Maintenance and Preservation - MAP
Planning and Forecasting - PLF

**Event
Number:** 127

Event Title: Looking Beyond the Ribbon Cutting: Funding and Financing for Life-cycle Management of Transportation Infrastructure

Event Date: Jan 23 2011 9:00AM- 12:00PM

**Event
Location:** Hilton

Description: Although most transportation finance discussions revolve around capital programs, this session examines a holistic, life-cycle-based approach to fund and finance transportation as the volume of aging, already-built assets continues to increase. The panels will examine the importance of the “fix-it-first” strategy while also discussing the need for continued infrastructure capacity.

**Event
Agenda:**

Presiding Officers:

Sale, Suzanne H., Federal Highway Administration

Sponsored By:

Taxation and Finance (ABE10)

Transportation Asset Management (ABC40)

Presentations:

Now What? How to Rebuild the Interstates ([P11-0315](#))

Regan, Edward J., Wilbur Smith Associates

Examination of Investment Needs and What to Do About It ([P11-0317](#))

Pisarski, Alan E., Consultant

Why We Need to "Fix-It-First" ([P11-0318](#))

Corless, James , Transportation for America

Optimum Capital-Raising Approach for a Transportation Project: Interactive Evaluation ([P11-0316](#))

Seltzer, David W, Mercator Advisors, LLC

Subject Areas:

Economics - ECO

Finance - FIN

Policy - POL

**Event
Number:** 211

Event Title: Value of Pavement Preservation

Event Date: Jan 24 2011 8:00AM- 9:45AM

**Event
Location:** Marriott

Event

Description:

Event Pavement preservation serves as the cornerstone for sound asset management
Agenda: which is needed to safeguard our transportation investments and to provide the service demanded by the Nation's taxpayers. Our highway transportation system is dependent upon innovative, green, and fiscally responsible pavement preservation techniques that extend the lifespan of our valuable roads well beyond yesterday's antiquated lifecycle expectations. This session explores the overall benefits of implementing pavement preservation.

Presiding Officers:

Chen, Xingwei , Louisiana Department of Transportation and Development

Sponsored By:

Pavement Preservation (AHD18)

Presentations:

Study of Budget Shortfall Impact on Long-Term Pavement Preservation ([11-2950](#))

Wang, Zhaohua , Georgia Institute of Technology
Tsai, Yichang (James) , Georgia Institute of Technology
Pitts, Eric , Georgia Department of Transportation

Pavement Preservation: Sustainable Choice ([11-2067](#))

Kazmierowski, Thomas J., Ontario Ministry of Transportation, Canada

Pavement Preservation: Protecting Our Investment on the Road ([11-3777](#))

Cheng, DingXin , California State University, Chico
Hicks, R. Gary, California State University, Chico
Scholz, Todd , Oregon State University

Pavement Preservation on High Traffic Volume Roadways ([11-3934](#))

Smith, Kelly L., Applied Pavement Technology, Inc.
Peshkin, David G., Applied Pavement Technology, Inc.

Subject Areas:

Economics - ECO
Maintenance and Preservation - MAP
Pavements - PAV

**Event
Number:** 217

Event Title: Managing Seaports: Do Public Ports Need to Manage Their Assets More Strategically and Comprehensively?

Event Date: Jan 24 2011 8:00AM- 9:45AM

**Event
Location:** Shoreham

**Event
Description:**

Event This session will examine the need for improved comprehensive and strategic
Agenda: asset management in the public port industry. While most ports have not moved forward with strategic AM, most also recognize the need. What are the results to date from the perspective of those ports which have begun AM implementation? What are the constraints that have impeded ports from moving forward? How can

those constraints best be addressed?

Presiding Officers:

Stromberg, Erik , Port Industry Consultant

Sponsored By:

Ports and Channels (AW010)

Presentations:

Federal Perspective ([P11-1923](#))

Wlaschin, Butch , Federal Highway Administration

Port Asset Management: An International Perspective ([P11-1925](#))

Frenette, Richard , Groupe Oxand Canada, Inc.

What Can Ports Learn from Airports About Asset Management? ([P11-1286](#))

Grotheer, Wayne , Port of Seattle

Estimating Truck Queuing Time at Marine Terminal Gates ([11-3399](#))

Pham, Quyen , University of South Carolina

Huynh, Nathan N., University of South Carolina

Xie, Yuanchang , South Carolina State University

Subject Areas:

Maintenance and Preservation - MAP

Marine Transportation - MT

Terminals and Facilities - TEF

**Event
Number:** 229

Event Title: National Transportation Performance Measures: What's on the Table? What's in Store for the Future? (*e-Session*)

Event Date: Jan 24 2011 8:00AM- 9:45AM

**Event
Location:** Hilton

**Event
Description:**

Event Agenda: This session provides both an (inside) national and international perspective at the successes, challenges, and lessons learned from AASHTO and state DOTs' comparative performance measurement efforts to date; the current status of developing national transportation measures and indicators, and the next steps that are to be taken soon.

Presiding Officers:

Campbell, Mara , Missouri Department of Transportation

Sponsored By:

Performance Measurement (ABC30)

Strategic Management (ABC10)

Management and Productivity (ABC20)

Transportation Asset Management (ABC40)

Presentations:

Federal Highway Administration Perspective ([P11-0889](#))

Tischer, Mary Lynn , U.S. Department of Transportation
National Policy Perspective ([P11-0891](#))
Schank, Joshua , Bipartisan Policy Center
Private Sector Perspective ([P11-0892](#))
Neumann, Lance A., Cambridge Systematics, Inc.
International Perspective ([P11-0905](#))
Wargsjo, Agneta , Swedish Transport Administration

Subject Areas:

Administration and Management - ADM
AICP Certification Maintenance Session
Policy - POL

Event Number: 256

Event Title: The Next Frontier in Transportation Asset Management

Event Date: Jan 24 2011 9:30AM- 12:00PM

Event Location: Hilton

Event Description:

Event Agenda:

Presiding Officers:

Li, Zongzhi , Illinois Institute of Technology

Sponsored By:

Transportation Asset Management (ABC40)

Presentations:

Measuring Asset Management Maturity at Seattle Department of Transportation ([11-2558](#))

Bugas-Schramm, Patricia , PBS Consulting, Inc.
Burns, Emily , Seattle Department of Transportation
Paschke, Elizabeth , Seattle Department of Transportation
Roorda, Jeff , Jeff Roorda and Associates, Australia

Assessments of Highway Investment Objectives Based on Data Envelopment Analysis ([11-1917](#))

Li, Qiang , University of Delaware
McNeil, Sue , University of Delaware

Adjacency Modeling for the Coordination of Investments in Infrastructure Asset Management: Case Study of the Town of Kindersley ([11-1094](#))

Amador, Luis Esteban, Concordia University, Canada
Magnuson, Sherry , Town of Kindersley, Canada

Augmented Lagrangian Decomposition Approach for Infrastructure Maintenance and Rehabilitation Decisions Under Budget Uncertainty ([11-3792](#))

Guo, Runhua , Tsinghua University, China
Gao, Lu , University of Texas, Austin
Zhang, Zhanmin , University of Texas, Austin

Quantifying the Consequences of Hastened or Deferred Interventions ([11-2348](#))

Khurshid, Muhammad Bilal, National University of Science and Technology, Pakistan
Irfan, Muhammad , National University of Science and Technology, Pakistan
Ahmed, Anwaar , Purdue University
Labi, Samuel , Purdue University

Subject Areas:

Administration and Management - ADM

Maintenance and Preservation - MAP
Planning and Forecasting - PLF

Event Number: 261

Event Title: Evaluating Pavement Marking and Signing Characteristics and Asset Management Approach for Traffic Sign Maintenance

Event Date: Jan 24 2011 10:15AM- 12:00PM

Event Location: Marriott

**Event
Description:**

Event Agenda:

Presiding Officers:

Kuznicki, Scott O., Parsons Brinckerhoff

Sponsored By:

Signing and Marking Materials (AHD55)

Presentations:

Evaluating Parameters of Computerized Optical Method for Size and Roundness Measurement of Pavement Marking Glass Beads Using X-ray Microtomography ([11-3220](#))

Garboczi, Edward J., National Institute of Standards and Technology

Azari, Haleh , American Association of State Highway and Transportation Officials

Use of Digital Imaging Methods to Assess Pavement Marking Retroreflectivity ([11-3507](#))

Donnell, Eric T., Pennsylvania State University

Rado, Zoltan , Pennsylvania Transportation Institute

Analysis of Retroreflectivity and Color Degradation in Sign Sheeting ([11-2148](#))

Brimley, Bradford K., Brigham Young University

Hawkins, H. Gene , Texas A&M University

Carlson, Paul J., Texas Transportation Institute

Asset Management Framework for Traffic Sign Maintenance in Compliance with Retroreflectivity Requirements in New Manual on Uniform Traffic Control Devices ([11-0246](#))

Hulme, Eric A, Purdue University

Hubbard, Sarah Lillo, Purdue University

Farnsworth, Grant David, Purdue University

Hainen, Alexander Michael, Purdue University

Remias, Stephen Matthew, Purdue University

Bullock, Darcy M., Purdue University

Subject Areas:

Maintenance and Preservation - MAP

Materials - MAT

Operations and Traffic Management - OPS

**Event
Number:** 285

Event Title: Intersection of Transportation Asset Management and Metropolitan Planning and Funding Processes

Event Date: Jan 24 2011 10:15AM- 12:00PM

Event Hilton

Location:

Event Description: This session focuses on transportation asset management (TAM) as a critical foundational concept that integrates professional perspectives on managing a region's infrastructure. Participants will engage in a dialogue on how TAM can function as a bridge between communities of professional practice and visualize trade-offs between modes and across jurisdictions.

Event Agenda:

Presiding Officers:

Yapp, Margot , Nichols Consulting Engineers Chartered

Sponsored By:

Metropolitan Policy, Planning, and Processes (ADA20)
Transportation Asset Management (ABC40)

Presentations:

Use of Management Systems in Guiding Local, Regional, and National Decisions and Their Long-Term Impacts Across Jurisdictions ([P11-0156](#))

Roorda, Jeff , Jeff Roorda and Associates, Australia

Use of Geographical Information Systems in Long-Term Planning: Alaska Experience ([P11-0155](#))

Stickel, Jack R., Alaska Department of Transportation and Public Facilities

Use of Scenarios in Planning to Achieve Quantitative Performance Targets for San Francisco Bay Area ([P11-0157](#))

Klein, Lisa , Metropolitan Transportation Commission

Subject Areas:

AICP Certification Maintenance Session
Maintenance and Preservation - MAP
Planning and Forecasting - PLF

Event Number: 332

Event Title: Advancing the State of the Art in Bridges

Event Date: Jan 24 2011 2:30PM- 5:00PM

Event Location: Shoreham

Event Description:

Event Agenda:

Presiding Officers:

Medlock, Ronald D., High Steel Structures, Inc.

Sponsored By:

General Structures (AFF10)
Construction of Bridges and Structures (AFH40)

Presentations:

Design of Orthotropic Bridges with Viscous Bituminous Surfacing: Laboratory and in Situ Testing, Modeling, and Finite Element Calculation ([11-0448](#))

Pouget, Simon , Universite de Lyon, France

Sauzeat, Cedric , Université de Lyon, France
Di Benedetto, Herve , Université de Lyon, France
Olard, Francois , Eiffage Travaux Publics, France
Héritier, Bernard , Eiffage Travaux Publics, France
Servant, Claude , Eiffage Travaux Publics, France
Luangkhot, Emilie , Service d'Etudes Techniques des Routes et Autoroutes, France

Performance of Precast Approach Slabs Integral with Integral Abutment Bridges [\(11-1223\)](#)

Nadermann, Anna Marie, Iowa State University

Status of Bridge Failures in the United States (1800-2009) [\(11-2223\)](#)

Mohan, Satish B, State University of New York, Buffalo
Sharma, Shashank , State University of New York, Buffalo

Durability Characteristics of Decorative Concrete Overlay as a Context-Sensitive Solution [\(11-2907\)](#)

Riegler, Jason Ross, Villanova University
McCarthy, Leslie Ann, Villanova University
Radlinska, Aleksandra , Villanova University
DaPonte, Ryan , Villanova University

Evaluation of Performance of Crash Wall Design for Protection of Mechanically Stabilized Earth Retaining Walls [\(11-2977\)](#)

Abu-Odeh, Akram , Texas Transportation Institute
Kim, Kang Mi , Texas Transportation Institute

An Alternative Approach to Detecting Scour at Bridge Foundation [\(11-3012\)](#)

Peng, Bin , Jackson State University
Zheng, Wei , Jackson State University

Assessment of Performance Reliability of Scoured Bridges Based On Probabilistic Inference with In-Suit Monitoring Data [\(11-3020\)](#)

Zheng, Wei , Jackson State University
Peng, Bin , Jackson State University
Zhang, Zhenbu , Jackson State University

Vibration Versus Deflection Control for High-Performance Steel Girder Bridges [\(11-3446\)](#)

Nassif, Hani , Rutgers University
Liu, Ming , U.S. Department of the Interior
Su, Dan , Rutgers University
Gindy, Mayrai , Rhode Island University

Demonstration Timber Bridge Design and Testing Performance of Deck Asphalt Overlay [\(11-4200\)](#)

Hosteng, Travis Kent, Iowa State University

Design of Steel Bridges for Shinkansen High-Speed Rail [\(11-0571\)](#)

Minami, Kuniaki , Japan Railway Construction, Transport and Technology Agency
Shimizu, Kenji , Japan International Transport Institute

Framework for Extending TransXML to Steel Bridge Construction [\(11-0844\)](#)

Nagarajan, Kannan , State University of New York, Buffalo
Chen, Stuart S., State University of New York, Buffalo

Shell Structures Made from Corrugated Steel Plates as Effective Method of Modernization of Old Bridges in Europe [\(11-4294\)](#)

Beben, Damian , Opole University of Technology, Poland
Manko, Zbigniew , Wroclaw University of Technology, Poland

Subject Areas:

Bridges and Other Structures - BOS
Construction - CON

**Event
Number:** 369

Event Title: Treatment of Pavement Maintenance in Airport Pavement Management

Applications

Event Date: Jan 24 2011 3:45PM- 5:30PM

Event Location: Shoreham

Event Description:

Event Agenda: This moderated session focuses on airport pavement maintenance treatments and how they are integrated into pavement management systems and the decision process. The panel will consist of invited speakers including airport operations and maintenance staff, practitioners and consultants. Each panel member will provide a 10 minute presentation on their view on airport pavement maintenance followed by a round-table discussion.

Presiding Officers:

Hein, David , Applied Research Associates, Inc., Canada

Sponsored By:

Pavement Management Systems (AFD10)

Pavement Maintenance (AHD20)

Pavement Preservation (AHD18)

Presentations:

Innovations in Pavement Maintenance and Management: Current Best Practices ([P11-1737](#))

Cline, Gregory , Federal Aviation Administration

Method for Quantifying Sustainability of Airport Pavement Maintenance Procedures ([P11-1736](#))

Pittenger, Dominique , University of Oklahoma

Integration of Maintenance Practices with Airport Asset Management ([P11-1738](#))

Hall, Jim W., Applied Research Associates, Inc.

Managing Airfield Pavements Under Contaminant Conditions ([P11-1739](#))

Tighe, Susan Louise, University of Waterloo, Canada

Case Examples of Innovative Pavement Maintenance and Management Techniques in Italy ([P11-1740](#))

Crispino, Maurizio , Politecnico di Milano, Italy

Panel Discussion ([P11-1741](#))

Cline, Gregory , Federal Aviation Administration

Pittenger, Dominique , University of Oklahoma

Hall, Jim W., Applied Research Associates, Inc.

Tighe, Susan Louise, University of Waterloo, Canada

Crispino, Maurizio , Politecnico di Milano, Italy

Subject Areas:

Aviation - AV

Maintenance and Preservation - MAP

Pavements - PAV

Event Number: 410

Event Title: Best Papers from Sixth Annual Interuniversity Symposium on Infrastructure Management

Event Date: Jan 24 2011 7:30PM- 9:30PM

Event Location: Hilton

**Event
Description:**

Event Agenda:

Presiding Officers:

Lee, Hosin , University of Iowa

Sponsored By:

*Transportation Asset Management (ABC40)
Pavement Management Systems (AFD10)*

Presentations:

Bayesian Analysis of Heterogeneity in Modeling of Pavement Fatigue Cracking ([P11-0907](#))

Gao, Lu , University of Texas, Austin
Aguiar-Moya, Jose Pablo, University of Texas, Austin

Traffic Impacts of Variations in Work Zone Activities ([P11-0909](#))

Kushto, Emily R., Northwestern University

Methodology for Developing a National Infrastructure Index Using Analytic Hierarchy Process ([P11-0910](#))

Oswald, Michelle , University of Delaware

Pervious Concrete Pavement: A Sustainable Alternative ([11-3611](#))

Henderson, Vimy , University of Waterloo, Canada
Tighe, Susan Louise, University of Waterloo, Canada

Performance Measurement in State Departments of Transportation: Literature Review and Survey of Current Practice ([P11-1239](#))

Pei, Yi Lin , Cambridge Systematics, Inc.
Fischer, Jamie Montague, Georgia Institute of Technology
Amekudzi, Adjo A., Georgia Institute of Technology

Subject Areas:

Administration and Management - ADM
Construction - CON
Pavements - PAV

**Event
Number:** 444

Event Title: Ten-Year Roadmap for Pavement Management

Event Date: Jan 25 2011 8:00AM- 9:45AM

**Event
Location:** Shoreham

**Event
Description:**

Event Agenda: The Federal Highway Administration recently completed the development of a Pavement Management Roadmap, which provides a prioritized list of short-term and long-term research, development, and technology transfer activities that will take pavement management into the next decade. This session will describe the collaborative process that was undertaken to identify needs, present the prioritized list of recommendations, and identify steps to begin implementing the recommendations.

Presiding Officers:

Gaj, Stephen , Federal Highway Administration

Sponsored By:

Pavement Management (AFD00)

Presentations:

Opening Remarks [\(P11-0836\)](#)

Gaj, Stephen , Federal Highway Administration

Developing the Roadmap: A Collaborative Process [\(P11-0837\)](#)

Pierce, Linda M., Applied Pavement Technology, Inc.

Short- and Long-Term Needs for Pavement Management [\(P11-0838\)](#)

Zimmerman, Kathryn A., Applied Pavement Technology, Inc.

Implementing the Roadmap: State Perspective [\(P11-0839\)](#)

Corley-Lay, Judith B., North Carolina Department of Transportation

Implementing the Roadmap: Academic-University Transportation Center Perspective [\(P11-0840\)](#)

Smadi, Omar , Iowa State University

Implementing the Roadmap: FHWA Perspective [\(P11-0841\)](#)

Gaj, Stephen , Federal Highway Administration

Subject Areas:

Design - DGN

**Event
Number:** 519

Event Title: Optimum Timing and Selection of Pavement Preservation Treatment

Event Date: Jan 25 2011 1:30PM- 3:15PM

**Event
Location:** Marriott

**Event
Description:**

Event Agenda: Numerous highway agencies have embarked on efforts to adopt sound asset management practices to enhance the management of their roadway networks and to guide selection and timing of pavement preservation treatments. Effective PMS implementation is critical to ensure optimal resource allocation and maximize positive network level and project level outcomes. This session will present innovative approaches that address treatment timing and project selection.

Presiding Officers:

King, Gayle Nathaniel, GHK, Inc.

Sponsored By:

Pavement Preservation (AHD18)

Pavement Maintenance (AHD20)

Presentations:

Optimum Time for Application of Slurry Seal to Asphalt Concrete Pavements [\(11-4071\)](#)

Hajj, Elie Y, University of Nevada, Reno

Loria-Salazar, Luis , University of Nevada, Reno

Sebaaly, Peter E., University of Nevada, Reno
Borroel, Corina , University of Nevada, Reno
Leiva, Paulina , University of Costa Rica

Estimating Optimum Timing for Preventive Maintenance Treatment to Mitigate Pavement Roughness ([11-2960](#))

Haider, Syed Waqar, Michigan State University

Systematic Tool for Selection of Division-Managed, Federally Funded Pavement Preservation Projects ([11-0905](#))

Corley-Lay, Judith B., North Carolina Department of Transportation

Selection of Optimum Pavement Treatment Type and Timing at the Project Level ([11-1980](#))

Dawson, Tyler A., Michigan State University
Dean, Christopher M., Michigan State University
Baladi, Gilbert Y., Michigan State University
Haider, Syed Waqar, Michigan State University
Chatti, Karim , Michigan State University

Subject Areas:

Maintenance and Preservation - MAP
Pavements - PAV

Event Number: 626

Event Title: Managing and Assessing Risk in Transportation Agencies

Event Date: Jan 25 2011 7:30PM- 9:30PM

Event Location: Hilton

Event Description:

Event Agenda:

Presiding Officers:

Bridges, Michael , Louisiana Department of Transportation and Development

Sponsored By:

Transportation Asset Management (ABC40)
Statewide Transportation Data and Information Systems (ABJ20)

Presentations:

Risk Assessment for the City of Seattle ([P11-0602](#))

Bugas-Schramm, Patricia , PBS Consulting, Inc.

Risk Assessment in Australia ([P11-0603](#))

Roorda, Jeff , Jeff Roorda and Associates, Australia

Managing Risk in the Project Pipeline: Minimizing the Impacts of Highway Funding Uncertainties ([11-2887](#))

Redd, Larry , IPM Analytics

McDowell, Timothy, Wyoming Department of Transportation

Enterprise Risk Management Journey at Mn/DOT ([P11-0604](#))

Barnes, Philip , Minnesota Department of Transportation

Subject Areas:

Administration and Management - ADM
Planning and Forecasting - PLF

Event Number: 636

Event Title: Methodologies for Assessing Highway Infrastructure Health and

Performance

Event Date: Jan 26 2011 8:00AM- 9:45AM

Event Location: Marriott

**Event
Description:**

Event Agenda:

Presiding Officers:

Hudson, Stuart W., AgileAssets, Inc.

Sponsored By:

Maintenance and Operations Management (AHD10)

Presentations:

Generalized Framework for Developing a Corridor-Level Infrastructure Health Index ([11-3281](#))

Verhoeven, Jack George, Virginia Tech Transportation Institute

Flintsch, Gerardo W., Virginia Polytechnic Institute and State University

Developing a Transition Probability Matrix as a Measure of Road Network Maintenance

Effectiveness ([11-1370](#))

Mandiartha, I Putu , University of Melbourne, Australia

Duffield, Colin F., University of Melbourne, Australia

Thompson, Russell George, Monash University, Australia

Wigan, Marcus Ramsay, University of Melbourne, Australia

Stochastic Framework for Sustainable Infrastructure: Application to Pipes and Culverts ([11-2848](#))

Meegoda, Jay N., New Jersey Institute of Technology

Three-Dimensional Implementation Template of an Integrated Road Asset Management

System ([11-0826](#))

Al Mazrouie, Eisa , Municipality of Abu Dhabi City, United Arab Emirates

Garib, Atef M. , Abu Dhabi Traffic Police

Zaghloul, Sameh , Zuhair Fayez Partnership, Egypt

Maarabani, Zafer , Municipality of Abu Dhabi City, United Arab Emirates

Subject Areas:

Maintenance and Preservation - MAP

Pavements - PAV

Event Number: 689

Event Title: Assessing Pipes and Culverts for Long-Term Durability (*e-Session*)

Event Date: Jan 26 2011 10:15AM- 12:00PM

Event Location: Shoreham

**Event
Description:**

Event Agenda: This session will be of interest to owners, designers, and inspectors of pipe and culvert infrastructure.

Presiding Officers:

Gilley, Curtiss W., Terrain Engineering Inc

Sponsored By:

Culverts and Hydraulic Structures (AFF70)
Subsurface Soil-Structure Interaction (AFS40)

Presentations:

State-of-the-Art Literature Review on In Situ Pipe Repairs and Durability ([11-1269](#))

Najafi, Fazil , University of Florida
Cooney, Brad , University of Florida
Javed, Adnan , University of Florida

Culvert Asset Management and Relining Case Study in Saskatchewan ([11-2092](#))

Taylor, Brian , Consultant, Canada
Berthelot, Curtis F., University of Saskatchewan, Canada
Kelln, Roanne , University of Saskatchewan, Canada
Gorlick, Rock , Saskatchewan Ministry of Highways and Infrastructure, Canada
Marjerison, Brent L., Saskatchewan Ministry of Highways and Infrastructure, Canada
Theetge, Mark , ISCO Industries, LLC

Current and Ongoing Research Results on Bottomless Culverts ([P11-1223](#))

Kerenyi, Kornel , Federal Highway Administration

Wireless Sensors to Detect Culvert Deterioration ([P11-1224](#))

Kerenyi, Kornel , Federal Highway Administration

Subject Areas:

Bridges and Other Structures - BOS
Construction - CON
Design - DGN
Pipelines - PL

Event Number: 699

Event Title: Data Quality and the Quest for Asset Performance Information

Event Date: Jan 26 2011 10:15AM- 12:00PM

Event Location: Hilton

Event Description:

Event Agenda:

Presiding Officers:

Robert, William , Spy Pond Partners

Sponsored By:

Statewide Transportation Data and Information Systems (ABJ20)

Transportation Asset Management (ABC40)

Visualization in Transportation (ABJ95)

Presentations:

Approaches for Asset Data Quality Management: What's Valuable? ([P11-0906](#))

Hall, James P., University of Illinois, Springfield

Dynamic Data Maintenance for Quality Data and Quality Research ([11-3093](#))

Ozmen-Ertekin, Dilruba , Hofstra University
Ozbay, Kaan , Rutgers University

Issues with Data Quality: Highway Bridge Inspection Perspective ([P11-0908](#))

Washer, Glenn , University of Missouri, Columbia

Network of Knowledge for Asset Management: Keeping the User Informed on Data Quality ([P11-0911](#))

Lawson, Catherine Theresa, State University of New York, Albany

Subject Areas:

Administration and Management - ADM

Bridges and Other Structures - BOS

Data and Information Technology - DIT