



54th Annual Conference and Business Meeting

December 3-4, 2013

Crowne Plaza
Madison, Wisconsin

Conference Program

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CONFERENCE AGENDA

Tuesday, December 3

Registration from 8 a.m. to 4:30 p.m.

General Sessions

- 10 - 10:30 Opening Comments, Mike Berg, Wisconsin DOT
- 10:30 - 11:15 Wisconsin DOT Update, Steve Krebs, WisDOT
- 11:15 - 12 p.m. Asphalt Recycling, Audrey Copeland, National Asphalt Pavement Association
- 12 - 1 Lunch

Concurrent Breakout Sessions

	Ballroom	Waubesa	Kegonsa	Odana I	Odana II	Nakoma
Session 1: 1:00 - 2:00	Longitudinal Joint Construction Best Practices (extended session)	Emerging Construction Technologies: IC and IR Thermal Imaging	Asphalt Binder Rheology	Mix Design and QC Data Interpretation	MEPDG Input Parameters	Exhibitor Product Presentations
Session 2: 2:15 - 3:15		Asphalt Pavement Performance Testing	Non-Destructive Pavement Testing: FWD and GPR	Emerging Construction Technologies: IC and IR Thermal Imaging	Asphalt Binder Rheology	Exhibitor Product Presentations
3:15 - 3:30	Break					
Session 3: 3:30 - 4:30	Longitudinal Joint Construction Best Practices (continued)	Asphalt Pavement Performance Testing	Non-Destructive Pavement Testing: FWD and GPR	Mix Design and QC Data Interpretation	MEPDG Input Parameters	Exhibitor Product Presentations

- 4:30 - 5:30 Reception
- 5:30 - 6:30 Dinner
- 7 - ??? Hospitality Suite

Wednesday, December 4

Registration from 8 a.m. to 10 a.m.

General Sessions

- 8:30 a.m. - 9:15 FHWA Update, Khaled Al-Akhras, FHWA Wisconsin Division, and Dennis Dvorak, FHWA Resource Center
- 9:15 - 10 Asphalt Pavement Sustainability, Imad Al-Qadi, Illinois Center for Transportation
- 10 - 10:30 Break
- 10:30 - 11:15 TDA Transportation Funding Update, Craig Thompson, TDA of Wisconsin
- 11:15 - 12 p.m. ASPHALT. Wisconsin Rides on Us, WAPA

WAPA Members Only

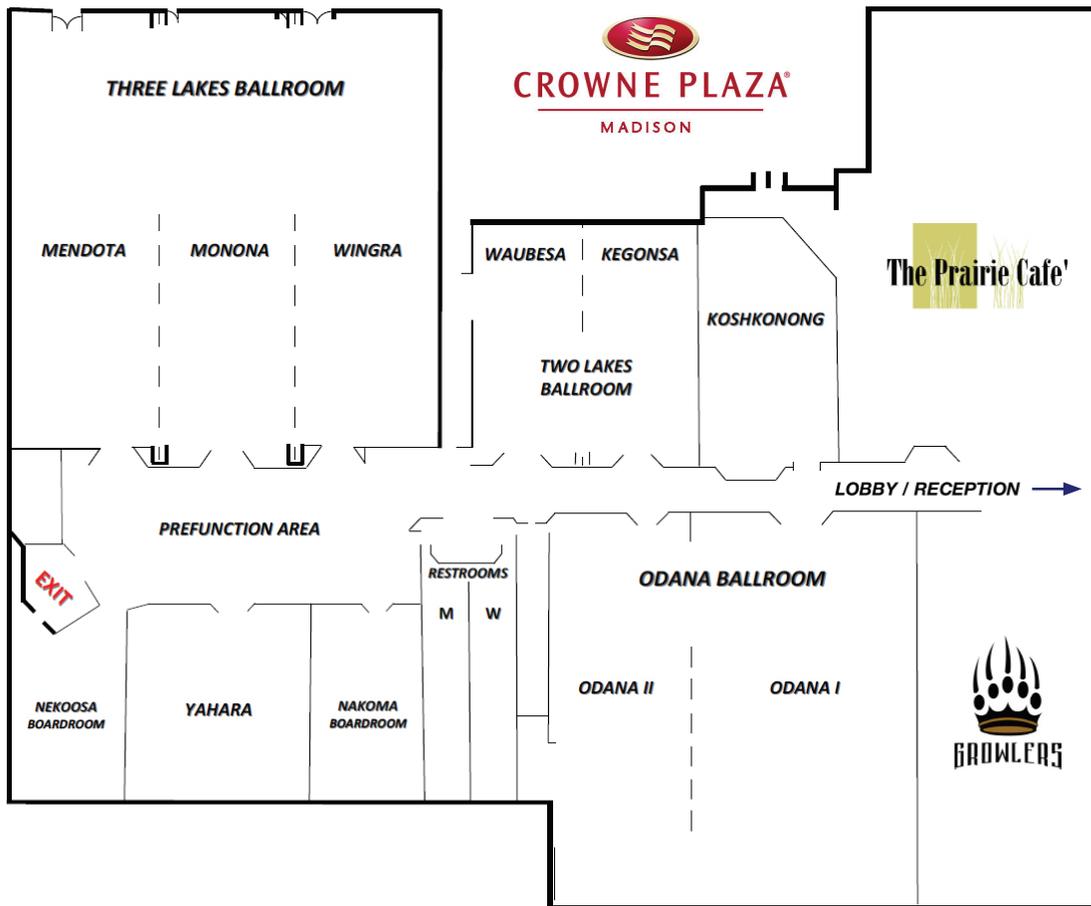
- 12:30 - 2 WAPA Board of Directors Annual Business Meeting (Nakoma Room)
- 12:30 - 3:30 MEPDG Training (Odana I)

Affiliated afternoon meeting

- 3:30 - 5 WHRP FLEX TOC Meeting (Odana II)

MAP

Registration _____ Prefunction Area
 General Sessions _____ Three Lakes Ballroom
 Exhibits and Breaks _____ Yahara
 Technical Breakout Sessions _____ *See agenda at left*
 Exhibitor Product Presentations _____ Nakoma
 Lunch _____ The Prairie Café/Growlers
 Reception _____ Prefunction Area
 Dinner _____ Three Lakes Ballroom
 Hospitality Suite _____ *To be announced*



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GENERAL SESSION SPEAKER BIOGRAPHIES

Mike Berg

As Deputy Secretary of the Wisconsin Department of Transportation, Mike Berg is the chief operating officer for a state agency with 3,500 employees, dozens of field offices and an annual budget of more than \$3 billion. Berg is a native of Green Bay, Wisconsin, and attended the University of Wisconsin-Madison majoring in civil and environmental engineering. He joined WisDOT as an engineer in the Green Bay office, steadily rising through the ranks, eventually becoming a supervisor in design and construction in 1988. In 2000, Berg was named district director for WisDOT's former District 4, heading up the department's Wisconsin Rapids office. In 2005, Berg returned to Green Bay as director of the Northeast Region, where he oversaw many large and small transportation improvement projects, including the start of construction on the massive US 41 project. Mike and his wife, Brenda, have three adult children.

Steven Krebs

Steven Krebs currently serves as the Chief Materials Management Engineer for Wisconsin DOT's Bureau of Technical Services. In his previous roles within the agency, Krebs oversaw WisDOT's highway improvement bid letting program as Chief Proposal Management Engineer and served as Chief Pavements Engineer. Prior to those positions, he worked for WisDOT's Bureau of Aeronautics for 15 years as an Airport Development Engineer. Before joining Wisconsin DOT, Krebs worked for the City of Monroe's engineering department. A registered professional engineer in Wisconsin, Krebs earned his bachelor's of science in Civil Engineering from the University of Wisconsin-Madison.

Audrey Copeland

Dr. Audrey Copeland joined the National Asphalt Pavement Association in January 2012 and serves at NAPA's Vice President for Engineering, Research & Technology. She is recognized as a technical expert on materials used in the construction of asphalt pavements in highway infrastructure. She was previously a materials research engineer in FHWA's Office of Infrastructure Research and Development at the Turner Fairbank Highway Research Center and a highway engineer in FHWA's Office of Infrastructure. While at FHWA, she was responsible for leading research and development activities for improving pavement life and providing national guidance on the research and design of asphalt materials and construction of asphalt pavements. Copeland served as Secretary of FHWA's Recycled Asphalt Pavement Expert Task Group and was a member of FHWA's Every Day Counts core team to rapidly implement warm-mix asphalt technologies in the United States. She authored FHWA's RAP State-of-Practice publication and is the author or coauthor of over 20 publications. Copeland serves on the Transportation Research Board's AFK20 Committee for Characteristics of Bituminous Materials and the Design and Construction Group Young Member subcommittee. She is a proud member of the Association of Asphalt Paving Technologists, the Canadian Technical Asphalt Association, the American Society of Civil Engineers, and the National Highway Institute Eisenhower Alumni Association. Copeland earned her master of science in Civil Engineering from Tennessee Technological University and her Ph.D. in Civil Engineering from Vanderbilt University. She is a licensed Professional Engineer in the Commonwealth of Virginia.

Khaled Al-Akhras

Khaled Al-Akhras joined FHWA in January 2013 and is the Pavement and Materials Engineer at the FHWA Wisconsin Division. Prior to serving at FHWA, Khaled spent 16 years working as a consultant on projects in the United States and overseas, including the Middle East, Europe and the Arabian Gulf area. He holds a Ph.D. in Civil Engineering from the University of Akron in Ohio and has been a registered professional engineer since 2004. Khaled, who has experience in transportation, geotechnical and geo-environmental engineering, also taught civil engineering courses as an assistant professor for three years.



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Dennis Dvorak

Dennis Dvorak is a Pavement and Materials Engineer with the Pavement and Materials Technical Service Team in the FHWA Resource Center. Dvorak, who specializes in materials quality assurance, has provided customized training, technical assistance and advice to FHWA division offices and state departments of transportation in nearly all 50 states related to improving their materials QA programs. In 2008, Dvorak led the effort to establish an FHWA national performance measure for QA systems. This has become a key performance measure in assessing QA risk for FHWA's state partners. In 2012, Dvorak received the FHWA Engineering Excellence (Engineer of the Year) Award. He has been with FHWA for more than 30 years in a variety of positions.

Imad Al-Qadi

Professor Imad Al-Qadi joined the University of Illinois faculty in 2004. Since his arrival, Al-Qadi has served as the Director of the Advanced Transportation Research and Engineering Lab and the Founding Director of the Illinois Center for Transportation, one of the leading transportation centers in the world. Al-Qadi's research has resulted in new developments, including new tests, testing specifications, advanced modeling and simulation of pavement loading, and analysis of radar electromagnetic wave interactions with roads and bridges. He has authored or coauthored more than 500 publications, of which more than 250 are refereed papers, and he has delivered more than 425 presentations at international conferences and professional meetings including numerous keynote lectures. Prior to serving at the University of Illinois, Al-Qadi served as an instructor and research engineer at Pennsylvania State from 1988 to 1990. Following that, he was a member of the faculty of the Charles E. Via Jr. Department of Civil and Environmental Engineering at Virginia Technological University for 14 years, until 2004. A member of more than 20 technical committees, task forces, and advisory boards, Al-Qadi is currently the Chair of the TRB Preservation and Maintenance Section, the Group Leader of the ISAP Technical Committee on Interlayer Systems, and the TRB subcommittee on Interlayer Systems to Control Reflective Cracking, which he founded. Al-Qadi is a registered professional engineer, ASCE fellow, and an elected Distinguished Member of ASCE, and he is a member of TRB, AAPT, NAGS, RILEM, ISAP, IGS, ASNT and ASTM. Al-Qadi holds a bachelor's degree from Yarmouk University and a master's and Ph.D. in civil engineering from Penn State University.

Craig Thompson

Craig Thompson is the Executive Director of the Transportation Development Association of Wisconsin. Prior to joining TDA, Thompson worked for the Wisconsin Counties Association for more than sixteen years. Most recently, he was legislative director for the association with responsibility for the overall legislative program at both the state and federal levels. Thompson also served as one of the association's primary media contacts. In his capacity as legislative director of WCA, Thompson was appointed by Governors Tommy Thompson, Scott McCallum and Jim Doyle to serve on numerous statewide boards and commissions. As TDA's Executive Director, Thompson serves as primary spokesperson, educating the public and policy makers about the needs and challenges facing Wisconsin's transportation system. Thompson, a native of Wisconsin—born and raised in Racine—is a graduate of the University of Wisconsin—Madison.



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TECHNICAL BREAKOUT SESSION SUMMARIES

Longitudinal Joint Construction Best Practices (3.5 PDH)

Sponsored by FHWA

Introduction by Bob Orthmeyer, FHWA Resource Center

Presented by Mark Blow and Danny Gierhart, Asphalt Institute

Advanced techniques for longitudinal joint construction can have a significant impact on performance and pavement life. This extended session will include a comprehensive review of longitudinal joint performance and best construction practices.

Emerging Construction Technologies: Intelligent Compaction and Infrared Thermal Imaging (1 PDH)

Erv Dukatz, Mathy Construction

Brett Stanton, Northeast Asphalt

This session will outline the engineering concepts behind two advanced construction technologies—intelligent compaction and IR thermal imaging—and explore how to apply these technologies for maximum benefit.

Asphalt Binder Rheology (1 PDH)

Carl Johnson, Stark Asphalt

This session on asphalt binder testing and grading will include a review of the performance graded (PG) system developed through the Strategic Highway Research Program and a discussion of the engineering basis for binder testing. It will also explore new methods for testing the latest binders, such as those used in modified asphalt.

Mix Design and QC Data Interpretation (1 PDH)

Signe Reichelt, Behnke Materials Engineering

This session will provide an overview of asphalt mix design and the “what, when and why” of quality control testing. Central topics include how production affects mix quality and interpreting QC data.

MEPDG Input Parameters (1 PDH)

Brian Prowell, Advanced Materials Services

This session will address Mechanistic-Empirical Pavement Design Guide input parameters (weather, traffic and materials) and output data (performance modeling). Included is a review of local calibration needs and the research and testing needed to establish material properties.

Asphalt Pavement Performance Testing (1 PDH)

Ray Bonaquist, Advanced Asphalt Technologies

This session will provide a review of testing for pavement performance, including methods to assess fatigue, rutting and durability. The session will address the theory, practice and application of the various available test methods.

Nondestructive Pavement Testing: FWD and GPR (1 PDH)

Jim Crovetto, Marquette University

Two nondestructive asphalt pavement testing methods to be addressed in this session are the Falling Weight Deflectometer (FWD) and Ground Penetrating Radar (GPR). The discussion will include the engineering basis for these techniques and methods for their application.

2013 ENVIRONMENTAL LEADERSHIP AWARDS

Renewal Awards—Permanent Plants

Northeast Asphalt
Control 67 (Glenmore)
Payne & Dolan
Control 5 (Fitchburg)

Renewal Awards—Portable Plants

Northeast Asphalt
Control 26 (Kiel)
Northwoods Paving
Plant 67 (Mayfield County)

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EXHIBITS

The Exhibit Area is open from 8:00 a.m. to 6:30 p.m. on Tuesday and from 8:00 a.m. to 12:00 p.m. on Wednesday. Events taking place in the Exhibit Area are:

Tuesday, December 3

9:00 a.m. – 10:00 a.m. _____ Refreshment Break
 3:15 p.m. – 3:30 p.m. _____ Refreshment Break
 4:30 p.m. – 5:30 p.m. _____ Reception

Wednesday, December 4

10:00 a.m. – 10:30 a.m. _____ Refreshment Break

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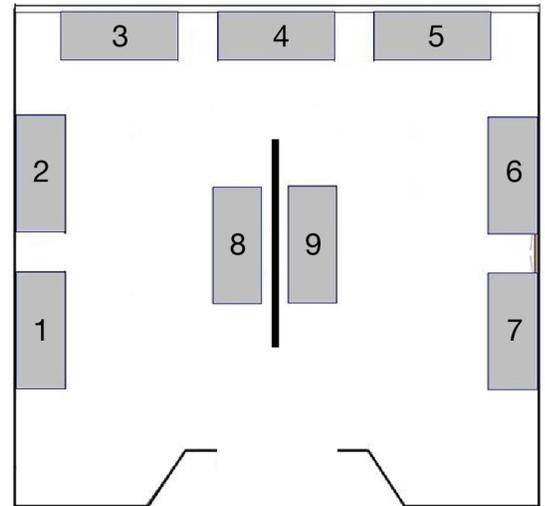
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[#] indicates exhibit booth number in the diagram above.

Exhibiting / Break Room (Yahara)



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FACT #30 MORE

A livable future balances three key societal goals: vibrant communities, vital economies, and sustainable environments.

✓ 29 People found this FACT useful

FACT #46 MORE

A livable community relies on a healthy local economy and good jobs.

✓ 20 People found this FACT useful

FACT #71 MORE

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✓ 64 People found this FACT useful

FACT #02 MORE

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✓ 40 People found this FACT useful

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We greatly appreciate your membership and support of the Wisconsin Asphalt Pavement Association.

HOW DID WE DO?

Shortly after the conference, WAPA will send out a short online survey to all attendees.

Please take a moment to share your thoughts.

*What did you find valuable at the conference?
What aspects could be improved?*

Your input will help us make the WAPA conference even better next time.

Thanks!