



WAPA

WISCONSIN ASPHALT PAVEMENT ASSOCIATION

66th Annual CONFERENCE & BUSINESS MEETING

DECEMBER 2-3, 2025
WISCONSIN DELLS

THANK YOU TO OUR
CONFERENCE PARTNERS:



TUESDAY, DECEMBER 2

Registration in North Atrium from 7:30 a.m. to 5:00 p.m.
Exhibit Area is open from 8:00 a.m. to 6:00 p.m.

General Sessions

All sessions will be held in the Kilimanjaro Ballroom unless otherwise indicated

- 9:00 – 9:10 Welcome and Opening Comments
- 9:10 – 9:55 WisDOT Update, Kristina Boardman, Wisconsin DOT Secretary and Rebecca Burkel, Wisconsin DOT DTSD Division Administrator
- 9:55 – 10:45 National Asphalt Pavement Association Update, Richard Willis, VP of Engineering, Research & Technology
- 10:45 - 11:10 Networking Break, *sponsored by H.G. Meigs, LLC*
- 11:10 - 11:50 Asphalt: Refiner's Perspective and Supply Dynamics, Brian Cloutier Crude and Feedstock Optimization Senior Manager, bp Asphalt
- 12:00 – 1:00 Awards and Scholarship Luncheon, *sponsored by Ingevity*

Concurrent Breakout Sessions

	Tamboti	Aloeswood	Marula	Aralia
Session 1: 1:30 – 2:30	Ethics	Asphalt Myths Debunked	That's a RAP!	Making Economical Mixes
Session 2: 2:45 – 3:45	Artificial Intelligence & Asphalt	Asphalt Myths Debunked	That's a RAP!	WisDOT HMA Updates
Session 3: 4:00 – 5:00	Artificial Intelligence & Asphalt	WisDOT HMA Updates	AASHTOWare/ Specification Updates	Making Economical Mixes

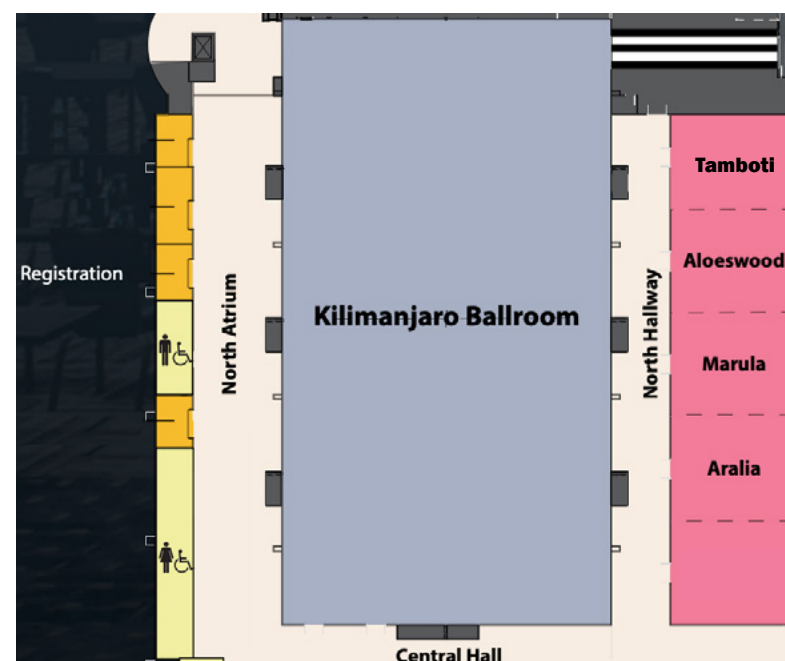
- 5:00 – 6:00 Reception, *sponsored by Flint Hills Resources*
- 6:00 – 7:00 Dinner, *sponsored by Benesch*
- 7:00 – close Hospitality Suite, Villa House, *sponsored by Miller-Bradford & Risberg*

WEDNESDAY, DECEMBER 3

Registration in North Atrium from 7:00 a.m. to 10:00 a.m.
Exhibit Area is open from 8:00 a.m. to 11:00 a.m.

General Sessions

- 7:30 – 8:30 Breakfast, *sponsored by Flint Hills Resources*
- 8:30 – 9:15 Balanced Mix Design BMD - Challenges and Opportunities: Insights from Regional Peer-to-Peer Exchanges, Tom Harman, National Center for Asphalt Technology Senior Research Engineer
- 9:15 – 10:00 High-Performance Pavements: Sustainable, Smooth, and Built to Last, Cindy Williams, Illinois Tollway Deputy Chief of Program Implementation
- 10:00 – 10:20 Networking Break, *sponsored by H.G. Meigs, LLC*
- 10:20 – 11:05 WisDOT Work Zone Safety, Erin Schwark, Statewide Work Zone Operations Engineer and Andy Heidtke, Statewide Work Zone Design Engineer
- 11:05 – 11:45 Conference Wrap-Up and Adjournment



AASHTOWare Materials and WisDOT Specifications Updates (1 PDH)

Erik Lyngdal and Brian Boothby, WisDOT

Over the next several years, WisDOT will be implementing a new version of the Standard Specifications and materials reporting program called AASHTOWare. The transition will involve multiple pilot projects with standard specifications that change with time. The goal of this session will go over the scale of the transition and how the asphalt paving industry will be impacted by all these changes. Please come prepared with any questions or concerns.

Leveraging Artificial Intelligence (AI) to Improve Current Asphalt Mixture Design, Pavement Monitoring and Maintenance Decisions (1 PDH)

Dr. Runhua Zhang, UW-Madison SHRC

The landscape of road infrastructure is evolving rapidly, driven by the pressing need for innovation in pavement design, construction, operation, and maintenance. Emerging technologies, including artificial intelligence (AI), sensing techniques, and automation technologies, promise to streamline the material design and testing process, enhance the safety of road inspection and maintenance activities, and improve the efficiency and effectiveness of pavement management systems, potentially revolutionizing existing methods and practices in the traditional pavement engineering field. This presentation will highlight current research efforts at the

Smart Highway Research Center (SHRC) that aim to leverage these cutting-edge technologies to improve asphalt pavement design and construction practices, for instance, the development of the Integrated Road Project Information System (IRIS), low-cost pavement condition evaluation, and development of the Modular Autonomous Road Maintenance System (MARS).

Asphalt Myths Debunked (1 PDH)

Mark Blow, Asphalt Institute

What are four common myths encountered during the design and construction of asphalt pavements? This discussion, which will be of interest to interest to pavement owners, contractors, project field/management staff, and designers, will address tack coats, aggregate size, lift thickness, and binder grades, and how they impact pavement performance.

Bureau of Technical Services HMA Update (1 PDH)

Casey Wierzchowski and Dan Kopacz, WisDOT Bureau of Technical Services, HMA Unit

Learn about the changes to WisDOT's HMA program, including a high-level view of specification updates as well as current research. The presentation will also cover resources available to contractors and project staff to make HMA projects run more smoothly. Discuss opportunities for improvement regarding binder testing, core testing, nuclear gauge testing, and more.

Making Economical Mixes While Instilling Better Quality (1 PDH)

Dr. Richard Willis, NAPA

Some have suggested that it is difficult to produce a quality mix economically, and that may be true in most cases. But what opportunities are contractors and owners missing when they continue to think inside the box of most current specifications? This session will focus on opportunities which could be available to create a paradigm shift in mix performance and economics.

That's a RAP! Advancing High-RAP Asphalt Mixes Responsibly (1 PDH)

Tom Harman, NCAT

This session highlights engineering, economic, and environmental benefits of

high-RAP mixtures; introduces modern tools like RBA, COAC, and BMD testing; and shares lessons learned from national field studies—including NCAT Test Track findings and WisDOT's own high-RAP experience. Discover how to move from "grade bumping" to balanced performance design, and leave ready to apply a staged, data-driven approach to high-RAP implementation in your agency or plant.

Towards Ethical Practice (1 PDH)

Jeffrey S. Russell, UW-Madison

Back by popular demand, this session will focus on the fundamental canons of professional conduct and ethics. The discussion is designed to engage in a practical understanding of professional ethics and satisfy any formal requirement for professional conduct and ethics.



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GENERAL SESSION SPEAKER BIOGRAPHIES

Kristina Boardman

In September 2024, Governor Tony Evers appointed Kristina Boardman to serve as Secretary of the Wisconsin Department of Transportation (WisDOT). WisDOT is one of the largest state agencies, with more than 3,200 employees and a biennial budget of more than \$8 billion.

Kristina's public service career began with the Wisconsin State Assembly in 1995. She transitioned to WisDOT in 2005 and held previous positions including Deputy Secretary, DMV Administrator, DMV Deputy Administrator, and the Director of DMV Field Services.

Kristina enjoys both policy and operations work, and especially appreciates the rewarding work of serving the public through the implementation of new programs.

Kristina plays an active role at the regional and national levels and served as Chair of the American Association of Motor Vehicle Administrators (AAMVA) International Board of Directors, as a member of the AASHTO Board of Directors and currently as the Chair of the AASHTO Committee on Safety.

Kristina has a Bachelor of Arts degree in political science from Augustana College in Rock Island, Illinois. Kristina and her husband live in Sun Prairie and have two adult children.

Rebecca Burkel

Rebecca leads a division of more than 1,300 employees throughout Wisconsin who oversee development, maintenance and operation of the state highway system.

She began her career in 1993, and throughout her time at WisDOT, Rebecca

has focused on process improvement, innovation, efficiency and consistency of policy application among DTSD's functional, technical and regional areas.

Rebecca grew up in the Green Bay area and earned her undergraduate and master's degrees from the University of Wisconsin-Green Bay.

Brian Cloutier

Brian brings 20+ years of experience in the Oil & Gas industry. Based in Chicago, Brian leads a seven-person team responsible for the optimization of feedstock and products for the largest refinery in the Midwest. Brian and his team manages the interface between refining, midstream and trading.

A chemical engineer by background, Brian is commercially focused and rooted by a deep understanding of refinery technical and operations roles. Previous roles have included both design and optimization engineering, operations management, and commercial both at the refinery and in supply.

When not working you will find Brian playing with his three kids, cooking, or continuing his pursuit to be a scratch golfer.

Thomas Harman

Thomas is a Senior Research Engineer for the National Center for Asphalt Technology at Auburn University. Prior to joining the NCAT family in 2023, Tom served for 33 years with the Federal Highway Administration, concluding his career as Director of the National Highway Institute. Tom holds a Bachelor's degree in Civil Engineering from the University of Maryland

and a Master's degree in Civil Engineering from the University of Illinois. He has over 39 years of experience in technology deployment, policy, education, and research. Tom married Sharon in 1996 and is the proud father of Ashley, Corey, and Connor.

Andy Heidtke

Andy is the Statewide Work Zone Design Engineer for the Wisconsin Department of Transportation. Andy has a bachelors degree from the University of Wisconsin Milwaukee for Civil Engineering and is a professional engineer in Wisconsin. In his position Andy, develops content and updates the Facilities Development Manual, Standard Detail Drawings, Construction Materials Manual, and Standard Specifications, on work zone related topics. Other duties include maintaining the WisTMP System, reviewing project plans, and assisting regional staff when requested.

Erin Schwark

Erin is currently the Statewide Work Zone Operations Engineer with the Bureau of Traffic Operations at the Wisconsin Department of Transportation. She holds a Bachelor's degree in Civil Engineering from the University of Wisconsin-Milwaukee and is a registered Professional Engineer in the state of Wisconsin. Erin has more than 15 years of experience in traffic and transportation engineering in both the public and private sector.

Cindy Williams

Cindy joined the Illinois Tollway in March 2018 as deputy chief of program implementation. She brings more than 30 years of experience in the heavy highway construction industry. In her current role, Williams oversees systemwide projects, infrastructure asset and materials management and related standards and specifications. Additionally, she ensures the Engineering department is maintaining its ISO certification. Williams continues to strive to improve the overall quality of the projects being delivered under the Illinois Tollway's 16-year, \$15 billion Move Illinois capital program. Cindy earned a bachelor's in construction administration from the University of Wisconsin-Madison.

Richard Willis

Dr. Willis serves as the National Asphalt Pavement Association's expert on mix design, recycled materials, life-cycle cost analysis, and pavement design. He serves as the staff liaison for NAPA's Committee for Asphalt Research and Technology; Council for Engineering, Research, and Sustainability; Workforce Development Committee; and Pavement Economics Committee Life-Cycle Cost Analysis Task Force. He is also a cohost of NAPA's "Pave It Black" podcast. Richard has a passion for teaching and regularly travels throughout the country to educate people on NAPA's initiatives and priorities.



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2025 Renewal Awards—Permanent Plants

American Asphalt of Wisconsin Plant 22 (Mosinee)
American Asphalt of Wisconsin Plant 83 (Stevens Point)
Monarch Paving Company Plant 46 (Hager City)
Northeast Asphalt, Inc. Control 55 (Burnett)
Northeast Asphalt, Inc. Control 64 (Menasha)
Northeast Asphalt, Inc. Control 65 (Green Bay)
Payne + Dolan Control 1 (K&N Sussex)
Payne + Dolan Control 23 (Paris)
Payne + Dolan Control 31 (Racine)
Wolf Paving (Menomonee Falls)

2025 Renewal Awards—Portable Plants

American Asphalt of Wisconsin Plant 23
Mathy Construction Co. Plant 24
Mathy Construction Co. Plant 92
Monarch Paving Company Plant 60
Monarch Paving Company Plant 75

Congratulations to all recipients!



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HOW DID WE DO?

Soon after the conference, WAPA will send out a brief 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!**



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This certification serves as documentation of registration, attendance, and participation at the following Wisconsin Asphalt Pavement Association event:

**WAPA 66th Annual Conference & Business Meeting
December 2 - December 3, 2025 at Kalahari Resort**

Attendee Name: _____

Session Name	Presenter(s)	PDH	Attended
General Session — Day 1	Boardman, Burkel, Willis, Cloutier	2.5	_____
Breakout Sessions:		3.0 max	
Asphalt Myths Debunked	Blow		_____
Wisconsin Bureau of Technical Services HMA Update	Wierzchowski, Kopacz		_____
That's a RAP! Advancing High-RAP Asphalt Mixes Responsibly	Harman		_____
Towards Ethical Practice	Russell		_____
Making Economical Mixes While Installing Better Quality	Willis		_____
Leveraging Artificial Intelligence (AI) to Improve Current Asphalt Mixture Design, Pavement Monitoring and Maintenance Decisions	Zhang		_____
AASHTOWare Materials and WisDOT Specification Update	Lyngdal, Boothby		_____
General Session — Day 2	Harman, Williams, Heidtke, Schwark	2.5	_____
		Total PDH	_____

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