

62ND

ILLINOIS BITUMINOUS PAVING CONFERENCE

DEC. 7-8, 2021

I Hotel and Conference Center
in Champaign, IL

Illinois
Bituminous Paving
Conference

This conference offers unique opportunities for transportation professionals to share a broad array of knowledge and perspectives, discuss the latest technical information, review field reports in the area of hot-mix asphalt and explore flexible pavement advancements.

The University of Illinois Urbana-Champaign's Illinois Center for Transportation is responsible for planning and hosting this event.



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S P E A K E R S

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IDOT Update

Omer Osman is the Secretary of the Illinois Department of Transportation. His role reflects three decades of engineering and

management experience. Osman's vast experience in transportation includes advancing complex projects and assessing resources to inform funding and programmatic needs to create a multimodal system that supports economic development and travel for Illinois residents. The Sudan native studied civil engineering at Southern University and A & M College before earning a master's at Bradley University



FHWA Update

Arlene Kocher is FHWA's Illinois Division Administrator. She previously served as FHWA's Minnesota Division Administrator, Utah Assistant

Division Administrator and Transportation Engineer. Prior to joining FHWA, she gained valuable leadership experience in serving IDOT for 13 years. Kocher holds a bachelor's in general engineering from the University of Illinois Urbana-Champaign.



Road Profile Measurement and Interpretation

Steve Karamihas is a Research Area Specialist

Senior at the University of Michigan's Transportation Research Institute. Here he has conducted research on vehicle dynamics, road profile measurement and road profile interpretation for 30 years. Karamihas holds a bachelor's, master's and a doctorate in mechanical engineering from the University of Michigan.



Rubblization: What Past Efforts Are Telling Us

David Lippert is the retired Bureau Chief of IDOT's

Bureau of Materials. He also recently retired as the Senior Sustainability Implementation Engineer of Illinois Center for Transportation. Lippert received his bachelor's and master's in civil engineering from UIUC. He is currently pursuing his culinary passion as Pitmaster of the competitive barbeque team, Four Score and Seven Ribs Ago BBQ.



Rubblization: What Past Efforts Are Telling Us

Eric Seibring is the County Engineer at Piatt County and a licensed Professional

Engineer. Seibring previously served as a Resident Technician in Iroquois County and as the Clay County Engineer. He actively participates in the Illinois Association of County Engineers, the National Association of County Engineers and the American Road Transportation Builders of America. He earned a bachelor's in civil engineering from Southern Illinois University at Carbondale.



A 30-year Progression in Hot-mix Asphalt Acceptance Specifications

Matt Mueller is a Project

Manager at Quigg Engineering and an Auditor at the American Association of State Highway and Transportation Officials. He previously served IDOT districts 1 and 6 at the Bureau of Safety Engineering and Bureau of Materials and Physical Research, respectively. Throughout his career, Mueller's participated in numerous lab and field projects that provided much of the framework for the department's HMA Quality Management Program. He holds a bachelor's in civil engineering from UIUC.



Development and Implementation of a New Modified Binder Protocol

Kelly Morse is Chief Chemist

for IDOT's Central Bureau of Materials. Prior to that, she worked as the Analytical Chemistry Lab Supervisor in the Analytical Chemistry Laboratory at IDOT's Bureau of Materials and Physical Research. Morse received her bachelor's in chemistry from Illinois Wesleyan University.



IDOT HMA Tech Briefs

Jim Trepanier is the Engineer of HMA, Aggregate and Chemical Tests at IDOT's Central Bureau of Materials. He is a licensed Professional

Engineer and holds a bachelor's in civil engineering from Michigan Technological University.



Impact of HMA Characteristics on the Results of the Illinois Flexibility Index Test and Other Cracking Tests

Imad Al-Qadi is the Bliss Professor of Engineering at UIUC. He also serves as Director of UIUC's Illinois Center for Transportation and the Smart Transportation Infrastructure Initiative as well as the Advanced Transportation Research and Engineering Laboratory. Al-Qadi's research efforts have developed new tests, testing specifications, and advanced modeling and simulation of pavement loading and crack development. He is a registered Professional Engineer and is a Distinguished Member of the American Society of Civil Engineers.



Update on FHWA's Every Day Counts: Six Targeted Overlay Pavement Solutions

Tim Aschenbrener is

the Senior Asphalt Engineer on the Pavement Materials Team in FHWA's Headquarters Office of Infrastructure. He is also a Professional Engineer. Aschenbrener previously served the Colorado Department of Transportation for more than 20 years. His work and expertise focuses on asphalt materials, recycled materials and quality assurance. Aschenbrener is the Chair of the Transportation Review Board's Committee on Quality Assurance Management. He received the FHWA Administrator's 2019 Award for Superior Achievement.



Update on FHWA's Every Day Counts: Six Targeted Overlay Pavement Solutions

Dennis Bachman is the

Asset Management/Pavement & Materials Engineer for the Federal Highway Administration's Illinois Division and a Professional Engineer. He previously served as the County Engineer in Woodford County. Bachman has also worked as a consultant and for IDOT. He holds a bachelor's in agricultural engineering from UIUC.

The 63rd Illinois Bituminous Paving Conference

is scheduled for Dec. 6-7, 2022, at the I Hotel and Conference Center in Champaign, IL

MODERATORS



Superpave 5 Implementation in Indiana

Matt Beeson is the Director of Indiana Department of

Transportation's Division of Materials and Tests. He is also a Professional Engineer. Beeson's INDOT career began in 2003, when he "caught the asphalt and testing bug," serving as an intern testing aggregates and asphalt. Beeson's previous INDOT roles include State Materials Engineer, Asphalt Engineer and Assistant Asphalt Engineer. He holds a bachelor's in civil engineering from Purdue University.



Superpave 5 Implementation in Indiana

Gerry Huber is the Associate Director of Research at Heritage

Research Group, the research arm of Open Roads Paving and Emulsicoat. He previously worked for Saskatchewan Highways and Transportation and the Asphalt Institute's research laboratories helping develop the Superpave mix-design system. Huber earned a bachelor's in civil engineering from University of Saskatchewan (Saskatoon, Canada).



New Technologies in Paving and Inspection to Increase Quality and Pay

Tim Murphy is the President of Murphy Pavement Technology, Inc. Before founding Murphy Pavement Technology, he worked for IDOT, The Asphalt Institute and Chicago Testing Laboratory. Murphy teaches numerous industry qualification/certification courses. He is also a board-certified member of the National Academy of Forensic Engineers.



Kevin Burke is the Executive Vice President of the Illinois Asphalt Pavement Association. He is also a registered Professional Engineer in Illinois. Prior to joining IAPA, Burke spent

20 years serving IDOT in the Materials and Physical Research and Local Roads and Streets bureaus. He earned his bachelor's from Washington University in St. Louis.



Dan Gallagher is the Vice President and Chief Operating Officer at Gallagher Asphalt Corporation. In 1987, he began his career here as plant supervisor. Gallagher is actively involved in the industry, serving on the IAPA Board of Directors and previously holding the post of chairperson at the National Asphalt Pavement Association. He earned his bachelor's in mechanical engineering technology from Purdue University.



Ramez Hajj is an Assistant Professor at UIUC's Department of Civil and Environmental Engineering. Hajj's research focuses on chemical and physical characterization of asphalt materials and designing new construction materials for the next generation of flexible pavements. He earned his doctoral and master's degrees at the University of Texas at Austin, and he obtained his bachelor's from Virginia Tech — all in civil engineering.



Brian Hill is the HMA Operations Engineer at IDOT's Central Bureau of Materials. He joined the department in 2016. Hill earned his bachelor's, master's and doctoral degrees — all in civil engineering — from UIUC.



Kelly Morse is Chief Chemist for IDOT's Central Bureau of Materials. Prior to that, she worked as the Analytical Chemistry Lab Supervisor in the Analytical Chemistry Laboratory at IDOT's Bureau of Materials and Physical Research. Morse received her bachelor's in chemistry from Illinois Wesleyan University.



Cindy Williams is the Deputy Chief of Program Implementation of Illinois Tollway. Williams has over 20 years of experience in construction and materials management from the Chicago Department of Transportation. She earned a bachelor's in construction administration from the University of Wisconsin-Madison.

SPONSORS



PROGRAM

TUESDAY, DECEMBER 7

Location: Chancellor Ballroom

5:30 - 7:30 pm **Reception**
Exhibits and registration open
Hors d'oeuvres and beverages

WEDNESDAY, DECEMBER 8

Location: Lobby and Illinois Ballroom

8:05 – 8:15 AM **Welcoming Remarks**
Imad Al-Qadi, Conference Chair, ICT/
UIUC

8:15 – 8:45 AM **IDOT Update**
Omer Osman, Secretary, Illinois
Department of Transportation

8:45 – 9:00 AM **FHWA Update**
Arlene Kocher, Division Administrator,
Federal Highway Administration

9:00 – 9:30 AM **Road Profile Measurement and
Interpretation**
Steven Karamihas, University of
Michigan Transportation Research
Institute

9:30 – 10:00 AM **BREAK**

10:00 – 10:30 AM **Rubblization: What Past Efforts Are
Telling Us**
David Lippert, Former IDOT/ICT
Eric Seibring, Piatt County

10:30 – 11:00 AM **A 30-year Progression in Hot-mix
Asphalt Specifications**
Matt Mueller, Quigg Engineering

11:00 – 11:30 AM **Development and Implementation of
a New Modified Binder Protocol**
Kelly Morse, IDOT

11:30 – 12:00 PM **IDOT HMA Tech Briefs**
Jim Trepanier, IDOT

12:00 – 12:15 PM **AWARDS**

12:15 – 1:30 PM **LUNCH**

1:30 – 2:00 PM **Impact of HMA Characteristics on
the Results of Illinois Flexibility Index
Test and Other Cracking Tests**
Imad Al-Qadi, ICT/UIUC

2:00 – 2:30 PM **Update on FHWA's Every Day Counts:
Six Targeted Overlay Pavement
Solutions**
Tim Aschenbrener, FHWA
Dennis Bachman, FHWA

2:30 – 3:00 PM **BREAK**

3:00 – 3:30 PM **Superpave 5 Implementation
in Indiana**
Matt Beeson, Indiana Department
of Transportation
Gerry Huber, Heritage Research
Group

3:30 – 4:00 PM **New Technologies in Paving and
Inspection to Increase Quality
and Pay**
Tim Murphy, Murphy Pavement
Technology

-  Illinois Center for Transportation
-  ILCenterforTransportation
-  IL_Transport
-  Illinois Center for Transportation
-  The Drive Forward Podcast









Entrance 

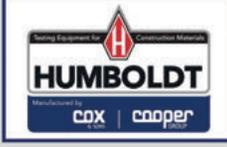


Illinois Bituminous Paving Conference
Exhibitions
Chancellor Ballroom















Entrance 