

PRE-CONFERENCE EVENTS
Transportation and Highway Engineering Conference
March 3, 2025

Workshops
I Hotel & Conference Center, Illinois Ballroom
Champaign, IL

Additional fee to attend workshops.

9:00- 12:00 pm Risk Management in Engineering: Learning from Case Studies

Moderator: Jeffery Roesler, UIUC
Presenter: Melissa Roberts, Vice President, USI Insurance Services
Katie Jones, O’Hagan Meyer

Join presenters Katie Jones, Partner with the law firm of O’Hagan Meyer, and Melissa Roberts, Vice President with USI Insurance Services as they present fact patterns from four recent and real cases with compelling implications for consulting engineering firms. The presentation will lead to review of: (1) the standard of care; (2) preferred contract language; (3) navigating site observation and field reports; (4) code compliance; and (5) best practices for subconsultant agreements.

The Workshop will also include an hour-long course on Ethics for the Design Professional from Professional Liability cornerstone insurer, AXA XL. The presentation will help to define ethical behavior, review professional association ethical canons, and explore models for ethical decision-making and strategies for ethical responsiveness.

12:00- 1:00 pm Buffet Lunch

1:00-4:00 pm Bridging Innovation: Exploring U-BEAM® Solutions for Faster, Stronger, and Cost-Effective County Infrastructure

Moderators: Eric Seibring, Piatt County & Melissa Islam, The Will Group
Presenters: Kay Jimison, Valmont Industries, Inc.
Guy Nelson, Valmont Structures
Russ Renner, Whiteside County
Amanda Swanberg, Valmont Industries, Inc.

Join industry experts for an in-depth discussion on Valmont’s U-BEAM® bridge technology and its impact on county infrastructure. This session will cover innovative bridge design solutions that align with AASHTO guidelines and AISC specifications, leveraging the U-BEAM® Design Tool for optimized performance. Learn how advanced galvanizing technology enhances bridge longevity and industry acceptance. Featuring a fireside chat with Russ Renner, PE, SE (Whiteside County Engineer), Guy Nelson, PE, SE (Senior Bridge Engineer, Valmont Structures), and Amanda Swanberg (Director of North America Sales & Marketing Business Partner), moderated by Melissa Islam of The Will Group. Gain insights into real-world applications and best practices for modern bridge construction.

Fish Fry at Legends

5:00-8:00 pm

Join us for a legendary fish sandwich and drink to kick off the 2025 Conference!
522 E. Green Street, Champaign
Included in your registration fee.

PRELIMINARY PROGRAM

Transportation and Highway Engineering Conference

March 4, 2025

I Hotel & Conference Center

Champaign, IL

7:30 am **Conference Registration- Heritage Hall Lobby
Exhibit Hall & Continental Breakfast- Illinois Ballroom**

General Session

Heritage Hall

Moderator: Jeffery R. Roesler, T.H.E. Conference Director

9:00 am **Opening Remarks
Jeffery R. Roesler, T.H.E. Conference Director**

9:10 am **What Computer Vision can do for Transportation
David Forsyth, Siebel School of Computing and Data Science, UIUC**

9:55 am **Safety and Automation for Construction Equipment
Todd Baker, Caterpillar, Invited**

10:40 am **Break (Illinois Ballroom)**

11:00 am **Traffic Patterns Post Covid Panel
Moderator: Erskine Klyce, IDOT
Alex Beata, Chicago Metropolitan Agency for Planning
Jonathan Lloyd, IDOT
Yanfeng Ouyang, UIUC**

12:00 pm **Recess for Lunch**

Bridges & Structures
Heritage Hall 2 & 5
Moderator: Ben Redding, Kimley-Horn

- 2:00 pm** **McClugage Bridge Tied Arch Construction and Float-In**
John Love & Nick Volk, IDOT
- 2:40 pm** **Longmeadow Parkway Bridge- Fox River Crossing**
Joey Heger & Jeff Sedig, Crawford, Murphy & Tilly, Inc.
- 3:20 pm** **Break (Illinois Ballroom)**
- 3:40 pm** **Designing the Navy Pier Flyover**
Lubka Benak, CDOT & Tony Shkurti, HNTB
- 4:20 pm** **Bentleys OpenBridge Modeler (OBM) and OpenBridge Designer (OBD)**
Modeling Tools
Drew Christopher, IDOT
- 5:00 pm** **Mixer @ Colonnades Club (included in your registration fee)**

**Design, Construction & Environment
Heritage Hall 1 & 4
Moderator: Teresa Price, IDOT**

- 2:00 pm Updates on Roundabout Design and Implementation
Matt Papirnik, AECOM
Jason Salley, IDOT**
- 2:40 pm 75th Street CIP Now and the Future
Velicia M. Goode-Moore, IDOT
Christopher Ferguson, WSP USA
Sameh Gorgey, WSP USA**
- 3:20 pm Break (Illinois Ballroom)**
- 3:40 pm Using GIS for Managing ADA Transition Plans
Jon Hodel, Cloudpoint Geospatial
Brandon Yates, DeepWalk**
- 4:20 pm IDOT Pump Station 4 Reconstruction
Vince Cirrintano, WSP USA
Christian Iroume, IDOT**
- 5:00 pm Mixer @ Colonnades Club (included in your registration fee)**

Traffic, Operations & Safety
Heritage Hall 3 & 6
Moderator: Kyle Armstrong, IDOT

- 2:00 pm** **CDOT Arterial Resurfacing Programs**
Jonathan Rualo, City of Chicago
Lukasz Sledz, WSP USA
- 2:40 pm** **Mumble Strips**
Marshall Metcalf, IDOT
Benjamin R. Sperry, IDOT
- 3:20 pm** **Break (Illinois Ballroom)**
- 3:40 pm** **Best Practices for Traffic Signal Condition Assessment**
Professor Ryan Fries, SIUE
- 4:20 pm** **I-80/94 Flexroad Project**
Tobias Randolph, Parsons
- 5:00 pm** **Mixer @ Colonnades Club (included in your registration fee)**

Local Roads & Streets
Chancellor Ballroom
Moderator: Mark Lee, Farnsworth Group

- 2:00 pm** **ORD Impact-How to Determine a Realistic Cost Quickly**
Tom Cox, Cummins Engineering Corporation
- 2:40 pm** **Deciphering Recycling Reports: Explaining the Mix Designs, Specifications**
and Reports for In-Place Recycling Applications (CIR, CCPR and FDR)
Stephanie Drain, Drain Engineering
- 3:20 pm** **Break (Illinois Ballroom)**
- 3:40 pm** **Old Orchard Road: Woods Drive to Skokie Boulevard**
Bulent Agar & Aaron Lebowitz, Cook County
- 4:20 pm** **Wheaton Downtown Streetscape**
Rob Deming, Primera Engineers
- 5:00 pm** **Mixer @ Colonnades Club (included in your registration fee)**

**Transportation & Material Innovations
Alma Mater Room
Moderator: Bridget Malinowski, AECOM**

- 2:00 pm Digital Twins
Moderator- Hadi Meidani, UIUC
Nick Becker, AECOM
Majid Mastali, WSP USA**
- 2:40 pm Leveraging LiDAR to Address Capacity Challenges
Jeffrey Clay & Andy Joost, TWM, Inc.**
- 3:20 pm Break (Illinois Ballroom)**
- 3:40 pm V2I Technologies for Lane Departure and CWZ Safety Improvements
Jeffery Roesler, UIUC**
- 4:20 pm I-39 Pavement Rehabilitation
Mike Short, IDOT
Kelly Smith, Applied Pavement Technologies, Inc.**
- 5:00 pm Mixer @ Colonnades Club (included in your registration fee)**

**Aviation
Lincoln Room
Moderator: Craig Loudon, Crawford, Murphy & Tilly**

- 2:00 pm Airport Pavement Management Systems
Gen Long, Applied Pavement Technology, Inc.**
- 2:40 pm O'Hare International Airport Taxiways A & B Design and Delivery Innovation
Mudhar Alobaidi, City of Chicago
Stephen Elrod, EXP
Chris Fedro, F.H. Paschen**
- 3:20 pm Break (Illinois Ballroom)**
- 3:40 pm IND RW 5R-23L & TW D Strengthening and Capacity Enhancement Project
Luke Burlingame, Kimley-Horn
Tony McMichael, Indianapolis Airport Authority**
- 4:20 pm Overnight Runway Reconstruction at R. Reagan Washington National Airport
Rich Thuma, Crawford, Murphy & Tilly, Inc.**
- 5:00 pm Mixer @ Colonnades Club (included in your registration fee)**

PRELIMINARY PROGRAM
Transportation and Highway Engineering Conference
March 5, 2025

7:00 am **Conference Registration- Heritage Hall Lobby**
Exhibit Hall & Breakfast Buffet- Illinois Ballroom

General Session, Heritage Hall

Moderator: Jeffery R. Roesler, T.H.E. Conference Director

8:00 am **Remarks**
Jeffery R. Roesler, T.H.E. Conference Director

8:15 am **FHWA Update**
TBD

8:40 am **ICT Update**
Imad L. Al-Qadi
Professor, Department of Civil & Environmental Engineering
Director, Illinois Center for Transportation

9:15 am **Support for Transportation Electrification**
Cristina Botero, ComEd

9:50 am **Illinois Tollway Update**
Manar Nashif, Chief Engineering Officer & Karyn Robles, Chief of Planning

10:15 am **Break (Illinois Ballroom)**

10:35 am **Health and Safety Innovations for Construction Workers**
Houtan Jebelli, Assistant Professor, UIUC

11:10 am **IDOT Update**
Gia Biagi, Secretary, Invited

11:35 am **Award Presentations**
IACE UIUC Student Scholarship and Zone Awards
Mark Mathon, IACE President, DeWitt County

IDOT Awards
Justan Mann, Deputy Director, Office of Highways Project Implementation