



# **112<sup>th</sup> Purdue Road School**

**Transportation Conference & Expo**

**Draft Technical Program**  
Last Updated February 11, 2026

March 12, 2026

**Thursday**

# Ethics

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**TIME:** 1:00-2:00 PM

**ROOM:** Indianapolis Convention Center, Room: 234

**PDH:** 1

## **137A. Indiana Statutes and Rules for Professional Engineering Licensure**

This session will explain the differences between the Indiana Code and the Indiana Administrative Code, selected statutes and rules applied to the practice of engineering, registration by comity, registrant's seal, computer-based testing for FE and PE exams, rules for continuing education, audits, board structure, and threats to professional licensure.

**SPEAKER(S)**

Tim Jensen, The Veridus Group

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**TIME:** 2:15-3:15 PM

**ROOM:** Indianapolis Convention Center, Room: 234

**PDH:** 1

## **138A. Professionalism and Ethics in the Practice of Engineering**

This presentation will provide an overview of ethics, including how they are formed and how professional engineers use them to make decisions in every situation.

**SPEAKER(S)**

Tim Jensen, The Veridus Group

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March 17, 2026

**Tuesday**

# Bridges

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**TIME:** 12:00-12:50 PM

**ROOM:** STEW 206

**PDH:** 1

## **1. SPR-4927: Bridge Data Virtual Validator**

This presentation will highlight advances in the development of a bridge data virtual validator. We will describe how this research targets the near-term objective of establishing a “bridge birth certificate” in alignment with INDOT’s long-term vision of a Building Information Modeling (BIM)-based process leveraging Industry Foundation Classes (IFC) for seamless data interoperability. Additional topics include anticipated outcomes such as reduced contractor requests for information, mitigation of post-letting change orders, and cost savings through proactive error detection.

### **SPEAKER(S)**

Bo Pang, Purdue University  
Meta Soy, Purdue University  
Jim Lesh, INDOT

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**TIME:** 1:00-1:50 PM

**ROOM:** STEW 206

**PDH:** 1

## **2. 30th Street: Complex Site Conditions, Complex Restoration**

This presentation will highlight the 30th Street historical arch rehabilitation and restoration project. The project sought to remove the degrading arch rings and replace the superstructure, reusing the existing limestone blocks and railing. We will discuss how complications arose from originally unknown construction techniques and lack of existing plans that essentially turned the bid-build construction into a design-build project.

### **SPEAKER(S)**

Bryan Wright, Butler, Fairman & Seufert, Inc.  
John Lewis, Egis

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March 17, 2026

**Tuesday**

# Bridges

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 206

**PDH:** 1

### **3. Efficient and Accurate Hydraulic Site Data Acquisition**

This presentation will review portable sensors for culvert drainage profiling. Traditional dumpy levels are accurate but slow, while backpack LiDAR is expensive. We will discuss alternatives such as RGB/SfM, RGB-D, and smartphone LiDAR systems.

#### **SPEAKER(S)**

Abhishek Subedi, Purdue University

Jidong Liu, Purdue University

Sikandar Ali Khokhar, Purdue University

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 206

**PDH:** 1

### **4. Incorporating Unbonded Post-Tensioning in Concrete Bridges**

Recent research provides improved understanding of the behavior of structures incorporating unbonded tendons and proposes changes in design practice. This presentation will present the results of an analytical and experimental study conducted on post-tensioned concrete bridge elements incorporating unbonded tendons. Topics include: flexural and shear behavior as well as design recommendations addressing the use of unbonded tendons.

#### **SPEAKER(S)**

Robert Frosch, Purdue University

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March 17, 2026

**Tuesday**

## **Bridges**

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**TIME:** 11:00-11:50 AM

**ROOM:** STEW 214 AB

**PDH:** 1

### **6. Simplifying Short Span Steel Bridge Design and Construction**

In this presentation, the Short Span Steel Bridge Alliance will introduce two free, practical design tools—eBEAM140 and eSPAN140—that streamline the design and construction of economical short span steel bridges. Built on AASHTO specifications, these “off-the-shelf” resources help engineers, owners, and contractors develop efficient solutions using standard steel details. The session will also include a contractor’s perspective on ways to simplify fabrication and construction, improving project efficiency, reducing costs, and accelerating bridge delivery.

#### **SPEAKER(S)**

Michael Barker, University of Wyoming  
Eric Coburn, Beaty Construction, Inc.

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**TIME:** 1:00-1:50 PM

**ROOM:** STEW 214 AB

**PDH:** 1

### **7. ODOT SR 8 Bridge Launch**

This presentation will highlight the \$158 million SR 8 bridge project—the first time that ODOT is using the girder launching method instead of conventional erection due to project site constraints. The project includes the construction of two new 1,600-foot-long twin bridges standing at heights of up to 180 feet. We will discuss our launch method which includes hydraulically pushing the steel girders from the forward abutment, cantilevered over the valley, landing at each pier location until finishing at the rear abutment.

#### **SPEAKER(S)**

Dale Arnold, ms consultants, inc.  
Josh Smith, ODOT

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March 17, 2026

**Tuesday**

## **Bridges**

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 214 AB

**PDH:** 1

### **8. Nickel Plate Trail Pedestrian Bridge over 96th Street in Fishers, IN**

The Nickel Plate Trail bridge over 96th Street is a signature addition to the City of Fishers, enhancing safety and connectivity for pedestrians and cyclists. In this presentation, we will highlight the fall 2025 completion of the bridge and how it eliminates a major traffic crossing, linking key sections of the Nickel Plate Trail from the Indiana State Fairgrounds to the City of Fishers. This bridge represents a major investment in active transportation, community development, and the long-term vision for regional trail infrastructure.

#### **SPEAKER(S)**

Bryan Wright, Butler, Fairman & Seufert, Inc.

Hatem Mekky, City of Fishers

Jared Spaans, Janssen & Spaans Engineering, Inc.

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 214 AB

**PDH:** 1

### **9. Liquid Steel-Repair of Steel Bridges with Ultra-High Performance Concrete**

The use of Ultra-High Performance Concrete (UHPC) for steel bridge repair has been pioneered through a collaboration of the Connecticut DOT, the University of Connecticut, and CHA Consulting, Inc. To date, three applications have been developed and completed. These applications include repairing of corroded steel beam/girder ends, improving flexural capacity of girder flanges, and strengthening of truss gusset plates. This presentation will cover the development and implementation of all three applications.

#### **SPEAKER(S)**

Michael Culmo, CHA Consulting, Inc.

Brian Winger, CHA Consulting, Inc.

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March 17, 2026

**Tuesday**

# Bridges

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**TIME:** 4:00-4:50 PM

**ROOM:** STEW 214 AB

**PDH:** 1

## **10. Load Rating Concrete Arch Bridges Without Available Plans**

Collins has recently completed load ratings of two concrete arch bridges, each constructed in the early 20th century with no available documentation of their original construction, design loading, or material data. This presentation will break down the load rating process, including field inspections, testing, and analysis methods, emphasizing the nuances specific to concrete arches. We will discuss practical tips and tricks that can be synthesized into a repeatable process applicable to similar situations.

### **SPEAKER(S)**

Jacob Behnke, Collins Engineers, Inc.

Sean Dumas, Collins Engineers, Inc.

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March 17, 2026

**Tuesday**

# Design/Construction

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**TIME:** 11:00-11:50 AM

**ROOM:** Fowler Hall

**PDH:** 1

## 11. Connected Work Zones and Queue Management for 2026

**Queue Truck Updates and Changes for 2026:** This session will provide a brief review of INDOT's Queue Truck deployment efforts and describe updates and changes for 2026. We will highlight the efforts to establishing appropriate application and operation, by ensuring sufficient supply, education, usage, and validated oversight of queue truck deployments.

**SPEAKER(S)**

John McGregor, INDOT

Jim Poturalski, INDOT

**INDOT's Connected Work Zone Initiative Update:** This session will discuss INDOT's Connected Work Zone Initiative. This session will include lessons learned from the pilot projects in 2025, expanded scope for 2026, and the future of work zones in Indiana.

**SPEAKER(S)**

Nathaniel Sturdevant, INDOT

John McGregor, INDOT

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March 17, 2026

**Tuesday**

## Design/Construction

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**TIME:** 1:00-1:50 PM

**ROOM:** Fowler Hall

**PDH:** 1

### **12. Improving Results by Partnering with Utilities**

Our team will share key lessons learned during Phase 1 of the US 36 Added Travel Lanes corridor project and how those insights are shaping our current strategies. We will outline the practical steps we are taking to improve utility coordination and achieve better outcomes—especially in our partnerships with utility providers. Learn the tips and techniques that are helping us build stronger relationships and drive project success along US 36 in Avon, Indiana.

#### **SPEAKER(S)**

Lisa Casler, DCCM

Richard Gilyeat, INDOT

Benjamin Wernz, DCCM

Kristoffer Greenlee, INDOT

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**TIME:** 2:00-2:50 PM

**ROOM:** Fowler Hall

**PDH:** 1

### **13. Habitat or hazard? Rain Gardens in the Right of Way**

Rain gardens in the public right of way provide numerous benefits through storm water filtration, increased green space/habitat, and educational activation. Often, these gardens can be implemented as part of larger infrastructure projects. However, the upfront and ongoing maintenance costs can be significant. The City of Bloomington has successfully implemented numerous rain gardens through various projects. In this presentation, we will discuss when are rain gardens worth it and how they can be implemented into your community successfully.

#### **SPEAKER(S)**

Kendall Knoke, City of Bloomington

Elizabeth Carter, City of Bloomington

Patrick Dierkes, Rundell Ernstberger and Associates

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March 17, 2026

**Tuesday**

## Design/Construction

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**TIME:** 3:00-3:50 PM

**ROOM:** Fowler Hall

**PDH:** 1

### **14. Marl Madness: Plainfield's Slam Dunk Solution**

The final link in Plainfield's Northwest Perimeter Parkway posed a challenge with poor soils. Designers faced a thick layer of organic material beneath an embankment road section and four-sided box culvert, introducing a risk of settlement under construction loads. This presentation will discuss the challenges and how the proposed solution exceeded expectations.

#### **SPEAKER(S)**

Scott Singleton, Town of Plainfield

Mark Butler, Banning Engineering, Inc.

Kyle Zak, Terracon Consultants, Inc.

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**TIME:** 4:00-4:50 PM

**ROOM:** Fowler Hall

**PDH:** 1

### **15. Dan Jones Road: Innovative Solutions Shaping Avon, Indiana**

This presentation will explore the planning, design, and challenges encountered during the Dan Jones Road Corridor Projects in Avon, Indiana. Attendees will learn how significant utility and property constraints shaped project decisions and how creative design solutions—including a multilane roundabout over a proposed bridge structure—were applied. We will highlight how complex challenges were addressed and provides takeaways to help participants approach future transportation projects with greater creativity and flexibility.

#### **SPEAKER(S)**

Tanner McKinney, American Structurepoint

Taylor Krout, American Structurepoint

Ryan Cannon, Town of Avon

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March 17, 2026

**Tuesday**

## Design/Construction

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**TIME:** 2:00-2:50 PM

**ROOM:** Loeb Theater

**PDH:** 1

### **16. Recycled Concrete Embankment Construction: A Case History**

This presentation will discuss how an embankment with recycled concrete pavement was constructed based on INDOT Standard Specification 203.18. No compaction test was performed, and the embankment was monitored by settlement plates. Learn how the experience of this project was used to simplify the embankment Standard Specification.

#### **SPEAKER(S)**

Nayyar Siddiki, INDOT

Sam Clawson, INDOT

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**TIME:** 3:00-3:50 PM

**ROOM:** Loeb Theater

**PDH:** 1

### **17. Less Turning, More Go-ing: SR 28 Roundabout Design**

This presentation will discuss the SR 28 and SR 213 safety improvement project aimed at decreasing the intersection's crash rate. What was originally designed as a high-speed, rural roundabout with traditional chicane approaches is now being redesigned to provide more direct entries and exits that will allow significant reuse of existing pavement. We will discuss how the project, one of INDOT's first of this design, is expected to save the project more than 40% in construction costs.

#### **SPEAKER(S)**

H.T. Pham, INDOT

Mark Orton, INDOT

John LaBlonde, Parsons Corporation

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March 17, 2026

**Tuesday**

## Design/Construction

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**TIME:** 4:00-4:50 PM

**ROOM:** Loeb Theater

**PDH:** 1

### **18. Delivery of the White River Innovation District Infrastructure**

The infrastructure of the White River Innovation District is unique and complex for the streets, stormwater, utilities, and coordination with the adjacent demolition and new developments. This presentation will detail how the City of Indianapolis and its partners navigated challenges to construct new infrastructure through creative procurement and coordination with many stakeholders and the public to redevelop the former GM Stamping Plant site into the Elanco-Purdue One Health District.

#### **SPEAKER(S)**

Ericka Miller, HDR, Inc.

Ryan Pattenaude, Lochmueller Group

Cassie Reiter, CMT Infrastructure Professionals

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**TIME:** 1:00-1:50 PM

**ROOM:** STEW 302

**PDH:** 1

### **19. Hydraulics Updates and Impacts to Median Drain Design**

INDOT Hydraulics is updating the Indiana Design Manual to incorporate policy changes and structure types for median drains. We will present the changes and how to handle them through design. Design examples will be discussed as well as lessons learned and frequently asked questions.

#### **SPEAKER(S)**

Alex Schwinghamer, INDOT

Susanna Oakley, Lochmueller Group

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March 17, 2026

**Tuesday**

## Design/Construction

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 302

**PDH:** 1

### **20. 90-Inch Tunnel Boring: Rock, Rail, and Permits**

This presentation will highlight the planning, permitting, and construction of a 90-inch tunnel bored beneath the Norfolk Southern railroad as part of the City of Huntington's Long Term Control Plan. Key topics include coordination with the third-party railroad permitting company to secure permits, overcoming significant rock excavation, and working 24 hours per day for 51 straight days.

#### **SPEAKER(S)**

Anthony Goodnight, Lochmueller Group

Adam Cuttriss, City of Huntington

Keon Dillon, Atlas Excavating

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 302

**PDH:** 1

### **21. The Mid-States Corridor: A Project Update**

Join us for a progress update on the NEPA, Technical Procurement, and ROW Acquisition phases of the Mid-States Corridor Project. The Mid-States Corridor is an improved highway connection in southern Indiana generally following US 231 from I-64, east of Huntingburg and Jasper, extending north and connecting to I-69. We will provide insights into ongoing project activities within each phase.

#### **SPEAKER(S)**

Kyanna Wheeler, INDOT

Jason DuPont, Lochmueller Group

Jason Rhoades, HNTB Corporation

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March 17, 2026

**Tuesday**

## Design/Construction

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**TIME:** 4:00-4:50 PM

**ROOM:** STEW 302

**PDH:** 1

### **22. RAFO : The Elkhart County Local Trax Project**

This presentation will highlight the design, administration, and construction of the Sunnyside Avenue grade-separation project in Elkhart County. The project is one of eight selected for “Local Trax” —a \$125 million program to improve the safety at high-priority at-grade rail crossings. We will describe project activities including the elimination of two at-grade crossings, a new alignment, three new bridges, and a new roundabout, among other notable design features.

#### **SPEAKER(S)**

Brad Kahn, Parsons Corporation  
Allee Hersman, Parsons Corporation  
Charles McKenzie, Elkhart County

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**TIME:** 11:00-11:50 AM

**ROOM:** STEW 306

**PDH:** 1

### **23. Progression of SR 32: INDOT's First Progressive Design Build Project**

This presentation will provide an overview of the current status of INDOT’s first Progressive Design Build project for SR 32. We will discuss the challenges of the project and share perspectives about project evolution as this project paves the way for future alternative delivery projects in the state.

#### **SPEAKER(S)**

Julie Thurman, Michael Baker International  
Chase Schneider, INDOT  
Bobby Steele, E & B Paving, Inc.

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March 17, 2026

**Tuesday**

## Design/Construction

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**TIME:** 1:00-1:50 PM

**ROOM:** STEW 306

**PDH:** 1

### **24. Customized Cable Barrier Solutions for Challenging Median Conditions on US 31**

The presentation details the design and evaluation of a high-tension cable barrier system for US 31 in Hamilton and Tipton Counties. Custom layouts and multiple design iterations addressed substandard medians, underground utilities, and turn lane conflicts. Modifications were reviewed with the Standards committee to comply with safety standards and manufacturer specifications and field checks and staking finalized the design.

#### **SPEAKER(S)**

Mitchell Murray, CMT Infrastructure Professionals

Katherine Smutzer, INDOT

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 306

**PDH:** 1

### **25. 3D/4D Modeling and Design of the Brent Spence Corridor Project**

The Brent Spence Bridge Progressive Design-Build project will construct the Ohio River crossing between Cincinnati and Covington, Kentucky, and also includes 5 miles of reconstruction and added travel lanes on I-71/75 in Kentucky as well as a major system/service interchange in Cincinnati. This presentation will explore the implementation of full 3D design for plan development on the project and its further application as a 4D scheduling tool during preconstruction for an enhanced understanding of the project's complex MOT and construction phasing demands.

#### **SPEAKER(S)**

Ben Carnahan, AECOM

Doug VanSlambrook, Walsh Construction

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March 17, 2026

**Tuesday**

## **Design/Construction**

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 306

**PDH:** 1

### **26. Albion Pavement Project: Design, Outreach, and Impact**

INDOT undertakes numerous small-town pavement improvement projects each year. In this presentation, we will highlight the Albion Pavement Project and how the design team navigated both typical and unique challenges to deliver a solution aligned with the project's scope and community needs. Topics will include optimizing available funding through a mix of resurfacing and full pavement replacement, prioritizing pedestrian considerations in the design, and proactively engaging with the community to address concerns and foster support.

#### **SPEAKER(S)**

Scott Sandstrom, CDM Smith

Dirk Schmidt, INDOT

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March 17, 2026

**Tuesday**

# Design/Construction

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**TIME:** 4:00-4:50 PM

**ROOM:** STEW 306

**PDH:** 1

## **27. I-65: Safety, Lane Additions, and 21 Bridge Rehabilitations**

**I-65 Safety and Efficiency Project Construction Update:** This presentation will provide an update on the I-65 Safety and Efficiency project as it nears year two of construction. The project consists of an added travel lane in each direction along 5-miles of I-65 from I-465 to the South Split. We will also discuss the coordination and involvement with numerous stakeholders, including the ReThink Coalition, and how we included millions of dollars in pedestrian upgrades in response to public feedback.

### **SPEAKER(S)**

Chase Schneider, INDOT

Sean Hendrickson, INDOT

John LaBlonde, Parsons Corporation

**Bridge Rehabilitation of 21 Bridges in Indianapolis:** INDOT Project R-38912-A in Indianapolis is a Major Project on I-65 that improves the interstate safety and efficiency and rehabilitates 21 bridges. This three-part presentation includes an overview of the design from concept to construction, a description of bidding through construction, and finally a discussion of the Hydrodemolition and LMC overlays.

### **SPEAKER(S)**

Kate Bruecker, Parsons Corporation

Randy Wilkinson, Milestone Contracting

Pat Martens, Hughes Group

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March 17, 2026

**Tuesday**

## **Human Capital/Leadership**

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**TIME:** 11:00-11:50 AM

**ROOM:** STEW 214 CD

**PDH:** 1

### **28. Innovation, Implementation, and Collaboration**

This presentation will provide an overview of new initiatives within the innovation space focused on the increased collaboration of Local Technical Assistance Program (LTAP), INDOT, and our industry partners.

#### **SPEAKER(S)**

Jennifer Sharkey, Purdue University

Todd May, INDOT

Richard Hedgecock, Indiana Constructors, Inc.

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**TIME:** 12:00-12:50 PM

**ROOM:** STEW 214 CD

**PDH:** 1

### **29. Onboarding, Training, and Workforce Development**

This session offers relevant best practices for effectively onboarding new employees and setting them up for long-term success via cutting-edge learning strategies and workforce development culture. Discover a world of powerful training tools and exciting new initiatives—courtesy of the Indiana Local Technical Assistance Program—designed specifically to meet the needs of Indiana’s local transportation agencies.

#### **SPEAKER(S)**

Robert Hart, Purdue University

Joe Percy, Purdue University

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March 17, 2026

**Tuesday**

## **Human Capital/Leadership**

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**TIME:** 1:00-1:50 PM

**ROOM:** STEW 214 CD

**PDH:** 1

### **30. Paving the Way: Strategies for Building Indiana's Workforce**

Civil engineering plays a vital role in shaping our society and driving progress worldwide. Despite being home to many premier institutions, Indiana faces a shortage of civil engineering and construction talent needed to propel our economy forward. ACEC Indiana is working to ensure a diverse and sustainable workforce by attracting and retaining top talent to the consulting engineering field. This session will address practical strategies for STEM outreach, recruitment, in-state retention, internships, and fostering colligative partnerships.

#### **SPEAKER(S)**

Liz Walker, ACEC Indiana  
Ken Olson, American Structurepoint  
Eric Fisher, Indiana Constructors, Inc.

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 214 CD

**PDH:** 1

### **31. Next Level Leadership, No Matter Your Job Title**

This presentation will describe how to take your leadership to the next level no matter where you sit in the organization. Attendees will learn simple, effective steps to help them advance their influence and their career.

#### **SPEAKER(S)**

Tim Jensen, The Veridus Group  
Pete Olson, Civitas Strategies

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March 17, 2026

**Tuesday**

# Human Capital/Leadership

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 214 CD

**PDH:** 1

## **32. Engineering Your Career: Blueprints for Workplace Mentorship**

Mentorship plays a critical role in shaping careers and strengthening workplace culture within engineering and related fields. This presentation will use real-world stories and proven strategies to explore how mentorship drives growth, connection, and career development across technical and non-technical roles. Attendees will gain perspectives and actionable tips to foster meaningful mentoring relationships in their own workplaces.

### **SPEAKER(S)**

Scott Chandler, INDOT

Amanda Nappi, CHA Consulting, Inc.

Cory Lamb, CHA Consulting, Inc.

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**TIME:** 4:00-4:50 PM

**ROOM:** STEW 214 CD

**PDH:** 1

## **33. Executive Coaching: Strengthening the Next Generation of Public Leaders**

As communities evolve, the next generation of public leaders must be ready to guide organizations with clarity and confidence. Executive coaching helps leaders at every level focus on personal growth, build emotional intelligence, and connect individual strengths to public service goals. This session will highlight how coaching can advance leadership effectiveness, improve collaboration, and prepare agencies to meet the demands of an ever-changing civic landscape.

### **SPEAKER(S)**

Pete Olson, Civitas Strategies

Suzanne Woodland, Town of Cumberland

Matt Woolard, Town of Plainfield

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March 17, 2026

**Tuesday**

## Human Capital/Leadership

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**TIME:** 11:00-11:50 AM

**ROOM:** STEW 278

**PDH:** 1

### **34. Classroom to Corridor: Partnerships Driving Civil Engineering Education**

This presentation will include a discussion panel with Marian University senior civil engineering students, Avenew, and Indianapolis DPW. The discussion will highlight a Marian University senior capstone project partnership that conceptualizes and studies a new gateway corridor for the City of Indianapolis and Marian University. Attendees will learn how this collaborative approach helped students gain hands-on experience and mentorship while delivering momentum towards an impactful community infrastructure project.

#### **SPEAKER(S)**

Charlie Kacmar, Avenew  
Victoria Farkas, Marian University  
Benjamin Moster, Marian University  
Reis Walker, Marian University

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**TIME:** 12:00-12:50 PM

**ROOM:** STEW 278

**PDH:** 1

### **35. Should I Stay, or Should I Go?**

What makes young engineers and students choose to stay or leave Indiana? This question-driven panel will explore the motivations, barriers, and opportunities influencing where young professionals settle. We will explore industry insights and practical strategies to help build a stronger retention of engineering talent that, not only starts here, but stays here.

#### **SPEAKER(S)**

Holli Buretta, Parsons Corporation  
Caroline Arnold, Parsons Corporation  
Brian Shattuck, INDOT

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March 17, 2026

**Tuesday**

## **Human Capital/Leadership**

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 278

**PDH:** 1

### **36. Modern Risk Management: Owner and Consultant Perspectives**

This presentation explores risk management through the combined perspectives of a public owner and a consulting engineering firm. Clark Dietz, Inc. will discuss how organizational growth prompted an evolving approach to risk, quality, and safety, including enhanced QA/QC practices, proactive safety initiatives, and streamlined agreement review processes. The Indiana Department of Transportation will share the owner's perspective on managing risk, quality expectations, and safety priorities, highlighting where alignment between owners and consultants improves outcomes.

#### **SPEAKER(S)**

Kevin Hetrick, Clark Dietz, Inc.  
Jon Carmin, INDOT

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 278

**PDH:** 1

### **37. You Can't Yoga Your Way Out of Road Rage**

From field crews to planners, transportation professionals face high-stress situations daily, including intense demands, tight budgets, and frustrated stakeholders. While mindfulness helps, lasting change comes from better systems, clearer communication, and a culture of respect. This session will take a fresh look at the human side of transportation and focuses on the real-world tools needed on the job: managing stress in the moment, keeping communication clear under pressure, and responding to conflict without escalating it.

#### **SPEAKER(S)**

Amy Stanley, INDOT  
Junell O'Donnell, HNTB Corporation  
Jessica Miller Lighty, INDOT

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March 17, 2026

**Tuesday**

## **Human Capital/Leadership**

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**TIME:** 4:00-4:50 PM

**ROOM:** STEW 278

**PDH:** 1

### **38. We Need to Talk: Transforming Dreaded Feedback Conversations**

Feedback can inspire growth—or shut it down. This session will debunk the myths that feedback is a one-time event and always negative. We will explore practical methods, conversation strategies, and mindsets that make giving and receiving feedback more effective. Whether you are a supervisor or not, you will walk away with tools you can use immediately to turn feedback into a meaningful, ongoing dialogue while fostering trust, encouraging curiosity, and building a culture of continuous improvement.

#### **SPEAKER(S)**

Karen Wood, United Consulting

Jennifer Sharkey, Purdue University

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March 17, 2026

**Tuesday**

## Legal

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**TIME:** 11:00-11:50 AM

**ROOM:** PMU 250/FACW

**PDH:** 1

### **39. State Right of Way: Myths, Reality, and Railroads**

Myths and misunderstandings abound among professionals who handle the oversight and acquisition of right of way. Join us for an overview of Indiana law on right of way, focusing primarily on State of Indiana acquired right of way. Other topics include: “apparent” right-of-way, acquiring realty interests from railroads, and statutory maintenance requirements at railroad grade crossings.

#### **SPEAKER(S)**

Teresa Giller, INDOT

Kassi Green, INDOT

Don West, INDOT

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**TIME:** 1:00-1:50 PM

**ROOM:** PMU 250/FACW

**PDH:** 1

### **40. The Basics: ADA and Section 504 Self Evaluations**

This session will focus on ADA and Section 504 self-evaluation basics as an agency-wide process to help ensure that all programs, services, and activities are accessible to people with disabilities.

#### **SPEAKER(S)**

Taffanee Keys, INDOT

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**TIME:** 2:00-2:50 PM

**ROOM:** PMU 250/FACW

**PDH:** 1

### **41. Understanding and Complying with Title VI**

This session will provide a high-level overview of Title VI & related statutes, rules, and regulations requirements and resources to support the development of agency nondiscrimination strategies and Title VI Plans.

#### **SPEAKER(S)**

Taffanee Keys, INDOT

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March 17, 2026

**Tuesday**

## Legal

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**TIME:** 3:00-3:50 PM

**ROOM:** PMU 250/FACW

**PDH:** 1

### **42. As the Road Curves: Navigating the Legal Liability of Highway Design**

This session will examine how roadway design decisions intersect with legal liability and risk management. Attendees will gain practical insights into how courts view design and maintenance claims, what documentation strengthens defensibility, and how to balance engineering judgment with legal standards. Topics include design immunity, discretionary duties, and best practices for managing design exceptions. Using generalized, non-confidential examples, the session will provide clear takeaways for engineers, contractors, consultants, and local officials seeking to reduce liability exposure while improving roadway safety outcomes.

#### **SPEAKER(S)**

Linda Jelks, INDOT

Jim Boyer, INDOT

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**TIME:** 4:00-4:50 PM

**ROOM:** PMU 250/FACW

**PDH:** 1

### **43. Paved with Good Intentions: Navigating Indiana's Condemnation Proceedings**

This session will present an overview of the legal condemnation process and legal considerations in eminent domain law as applied to Indiana's road projects. The discussion will include case studies from I-69.

#### **SPEAKER(S)**

Jim Boyer, INDOT

Linda Jelks, INDOT

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March 17, 2026

**Tuesday**

## **Local Agency**

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**TIME:** 12:00-12:50 PM

**ROOM:** STEW 314

**PDH:** 1

### **44. Traffic Studies 101**

This presentation will introduce how to conduct your own traffic studies to save your agency money. We will cover how to collect and use data for volume counts, speed limit studies, sight distance studies, and more.

**SPEAKER(S)**

Laura Slusher, Purdue University

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**TIME:** 1:00-1:50 PM

**ROOM:** STEW 314

**PDH:** 1

### **45. Traffic Counting for Buggies**

Counties with larger Amish populations have significant volumes of buggies on some roads. Traditional traffic counting systems do not always capture these vehicles, limiting local public agencies' abilities to prioritize maintenance and safety improvements appropriate for these users. This presentation will cover results from multiple counting systems and evaluate their performance for non-motorized vehicles.

**SPEAKER(S)**

Jay Grossman, Valparaiso University  
Charles McKenzie, Elkhart County  
Jennifer Sharkey, Purdue University

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March 17, 2026

**Tuesday**

## Local Agency

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**TIME:** 2:00-3:50 PM

**ROOM:** STEW 314

**PDH:** 2

### **46. INLTAP's Local Agency Roundtable for Street Commissioners**

Join fellow street commissioners for an in-depth roundtable discussion focused on the most pressing issues in road and infrastructure management. Led by industry experts, this sessions will provide a collaborative platform to explore solutions for challenges such as communication strategies, road funding, workforce development, and retention. Engage with peers, share insights, and learn from both experts and fellow street commissioners in an interactive setting designed to foster innovative strategies and real-world solutions for your community's streets and roadways.

#### **SPEAKER(S)**

Nicole Broch, Bliss McKnight, Inc.  
Nick Irmeger, Bliss McKnight, Inc.  
Kathy Eaton-McKalip, INDOT  
Jennifer Sharkey, Purdue University

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**TIME:** 4:00-4:50 PM

**ROOM:** STEW 314

**PDH:** 1

### **47. Guardians of the Work Zone: Next Level Flagging**

Local agency work zones demand more than just holding a stop/slow paddle—they require innovation and vigilance to keep both workers and motorists safe. This session will highlight next-level strategies to enhance flagger safety for county and municipal crews, such as improved signs, cones, LED vests, and integration of Automated Flagger Assistance Devices. This presentation will enable local agencies to equip flaggers to be true guardians of the work zone by leveraging safety technology and practices.

#### **SPEAKER(S)**

Todd Morrison, University of Kentucky

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March 17, 2026

**Tuesday**

## Maintenance & Operations

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 310

**PDH:** 1

### **48. Using LiDAR, 3D Digital Photography, and LiDAR to Map and Rate Road and Streetside Assets**

This presentation will review the current state of technology with respect to using LiDAR, digital photos, GPS, other location control, and AI to map and rate roads, signs, pavement markings, sidewalks, ADA ramps, traffic signals, and municipal utilities. Data is tracked and shared using the GIS technology across multiple platforms, as well as web-hosted.

#### **SPEAKER(S)**

Shawn Strange, First Group Engineering, Inc.

Grant Barker, First Group Engineering, Inc.

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 310

**PDH:** 1

### **49. Spray Injection Road Repair: Think Outside the Pothole**

There are more than 200 Spray Injection Patchers repairing the streets and highways in Indiana. Many counties and cities are utilizing these machines to make permanent repairs to their pavements. INDOT has 22 machines working statewide. Many of these users are only scratching the surface of what can be accomplished with this repair method. Let's show them the rest of the story!

#### **SPEAKER(S)**

Cliff Dickehut, Equipment Marketing Company

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March 17, 2026

**Tuesday**

# Maintenance & Operations

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**TIME:** 4:00-4:50 PM

**ROOM:** STEW 310

**PDH:** 1

## **50. Telematics in Winter Operations: A Driver to Success**

In this presentation, discover how the Carmel Street Department leverages telematics to transform winter operations. From optimizing routes and improving response to customer calls, to increasing efficiency and reducing costs, telematics provides real-time insights that drive smarter decisions. Learn how Carmel is setting a new standard for winter road management by turning data into action.

### **SPEAKER(S)**

Jason Armes, City of Carmel

James Rundle, City of Carmel

Eric Shanayda, City of Carmel

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March 17, 2026

**Tuesday**

# Pavements

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**TIME:** 11:00-11:50 AM

**ROOM:** STEW 218 AB

**PDH:** 1

## **51. From Evaluation to Innovation: Engineering Efficiency Through Cold In-Place Recycling**

This presentation provides an overview of the SR 13 and SR 37 Pavement Improvements that were scoped as preventive maintenance and minor structural Hot Mix Asphalt (HMA) overlays. We will discuss the geotechnical evaluation, pavement engineering analysis, cost estimates, and Cold In-Place Recycling recommendation.

### **SPEAKER(S)**

Tom Heustis, Kimley-Horn and Associates, Inc.

Kim Szewczak, INDOT

Vladimir Abou Sejaan, Terracon Consultants, Inc.

Spenser Vaughn, INDOT

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**TIME:** 12:00-12:50 PM

**ROOM:** STEW 218 AB

**PDH:** 1

## **52. Pavement Marking Types and Best Choices for Designers**

This presentation will discuss the topics of types of pavement markings, bonding characteristics, long-term investments, and best applications

### **SPEAKER(S)**

Rick Smith, RoadSafe

Brad Henry, Davies Imperial

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March 17, 2026

**Tuesday**

# Pavements

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 218 AB

**PDH:** 1

## **53. Automated Pavement Condition Assessment System**

This presentation will describe the use of Artificial Intelligence in pavement condition assessment. Attendees will learn how agencies can leverage existing hardware to effectively manage and maintain their roadway infrastructure. We will discuss how these strategies provide agencies freedom to collect their own data on their own timeline, maintain control over the customizable options, and choose preferred features and outputs from the system.

**SPEAKER(S)**

Shrivatsa Ravikumar, Applied Research Associates, Inc.

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 218 AB

**PDH:** 1

## **54. Revive I-70: Pavement Design Overview**

This presentation will examine the goals and design strategies behind two recently awarded design-build contracts for the Revive I-70 project in Wayne County. We will discuss how these contracts showcase contrasting approaches to pavement management and design: reconstruction using extended-service-life pavement and rehabilitating pavement to extend the service life of the original structure. We will also offer insights into INDOT's evolving pavement design practices.

**SPEAKER(S)**

Matt Taylor, Parsons Corporation

Kumar Dave, INDOT

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March 17, 2026

**Tuesday**

# Pavements

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**TIME:** 4:00-4:50 PM

**ROOM:** STEW 218 AB

**PDH:** 1

## 55. Multimodal Pavement Assessment with FWD and Computer Vision

This presentation highlights a multimodal framework for pavement assessment. While INDOT relies on FWD testing for structural evaluation, these numerical results alone lack spatial and visual context. We will discuss a Python-based batch tool, interactive dashboard, and centralized database developed to provide automated analysis and visualization of FWD data. Attendees will learn how cameras are mounted on FWD trucks to capture images processed by computer vision, enabling distress detection and improving precision, scalability, and pavement management.

### SPEAKER(S)

Sikandar Ali Khokhar, Purdue University  
Nikkhil Vijaya Sankar, Purdue University  
Abhishek Subedi, Purdue University

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**TIME:** 11:00-11:50 AM

**ROOM:** STEW 320

**PDH:** 1

## 56. Geosynthetics and the INDOT Approval Process

This presentation will introduce the different kinds of Geosynthetics, INDOT's Standards for them, and the approval process for getting onto the Qualified Product List (QPL).

### SPEAKER(S)

Sam Clawson, INDOT  
Lucas Monroe, INDOT

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March 17, 2026

**Tuesday**

## **Pavements**

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**TIME:** 12:00-12:50 PM

**ROOM:** STEW 320

**PDH:** 1

### **57. Quantifying Improvements in Geogrid Stabilized Pavement Unbound Aggregate Layers**

This presentation will describe the findings from a study focused on quantifying geogrid stabilization effects in pavement unbound aggregate layers. Topics include the proposed framework for Mechanistic Empirical (ME) pavement analysis, data from in-situ instrumentations and field testing, pavement instrumentation, and more.

#### **SPEAKER(S)**

Syed Faizan Husain, University of Illinois Urbana-Champaign

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**TIME:** 1:00-1:50 PM

**ROOM:** STEW 320

**PDH:** 1

### **58. Improving Chip Seal Durability**

In Northeastern Indiana, secondary roads can be severely abused due to heavy traffic from farm implements, trucks, and horse-drawn buggies. This presentation details how LaGrange County improved the performance of these roads and developed a successful chip seal program by implementing suggestions from a recent synthesis out of the Lyles School of Civil and Construction Engineering.

#### **SPEAKER(S)**

John Yzenas, Jr., Edw. C. Levy Co.

Aaron Fugate, LaGrange County

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March 17, 2026

**Tuesday**

# Pavements

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 320

**PDH:** 1

## **59. Evaluation of Automated Pavement Condition Data Collection Methods**

Pavement condition monitoring has traditionally relied on manual surveys performed on a yearly basis. However, these methods can be inefficient and subject to human inconsistencies. Recent advances in technology have enabled the automated collection of high-quality data at a larger scale. This presentation will highlight two automated methods that are considered: crowdsourced connected vehicle roughness and computer vision-based condition rating. We will also discuss a large-scale data processing methodology and metric comparisons to assess the feasibility of agency adoption.

### **SPEAKER(S)**

Andrew Thompson, Purdue University

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 320

**PDH:** 1

## **60. From Feedback to Innovation: Next-Gen Asphalt Preservation**

Spray-applied rejuvenators are increasingly used as a proactive pavement preservation tool. This presentation will explore their benefits, recent research findings, and key product attributes valued by road owners. We will discuss limitations and challenges facing current rejuvenator technologies and explore how recent innovations improve user value. An agency representative will provide firsthand insights into the practical use and performance of rejuvenators in network-level pavement management, offering a real-world perspective on their role in extending pavement life and improving asset condition.

### **SPEAKER(S)**

Andrew Eicher, Asphalt Materials, Inc.

Tim Zahn, Asphalt Materials, Inc.

Curt Higginbotham, Hendricks County (former)

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March 17, 2026

**Tuesday**

# Pavements

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**TIME:** 4:00-4:50 PM

**ROOM:** STEW 320

**PDH:** 1

## **61. Laboratory Characterization of Polyurethane-Stabilized Aggregates for Pavement Foundations**

Polyurethane stabilization offers a practical pathway to improve the stability and durability of open-graded aggregates while preserving drainage. This presentation will outline a framework for characterizing and optimizing PU-stabilized systems for pavement foundations, drainage layers, and erosion control. Topics will include material and gradation selection; binder proportioning; coating and curing procedures; image-based assessment of coverage and particle morphology; dosage optimization; and actionable guidance on mixing, coverage verification, curing windows, and sustaining drainage performance.

### **SPEAKER(S)**

Alfarooq Al Oide, University of Illinois Urbana-Champaign

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March 17, 2026

**Tuesday**

## Project Management/Planning

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**TIME:** 11:00-11:50 AM

**ROOM:** STEW 202

**PDH:** 1

### **62. 100 Years Since “The Great Renumbering”**

On October 1, 1926, all Indiana State Routes were renumbered to today's naming convention. To note the centennial of our modern highway numbering system, this presentation will cover the Good Roads movement; the how, what, and why of the standards set by AASHO and the Feds; the logistics of renumbering all of the roads in the state (including cardboard temporary signs); and details about the State Highway budget at the time.

**SPEAKER(S)**

Crystal Weaver, INDOT

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**TIME:** 12:00-12:50 PM

**ROOM:** STEW 202

**PDH:** 1

### **63. Hancock County’s Journey from Planning to Execution**

Over the past decade, Hancock County has seen both successes and challenges in funding public projects, including roads, bridges, utilities, a technical school, healthcare, and retail development. Using a variety of capital sources, the county turned plans into real construction efforts that served the public good. This presentation will explore real projects with real financing—highlighting lessons learned, unexpected outcomes, and strategies that can inform and benefit similar efforts in other counties.

**SPEAKER(S)**

Gary Pool, Hancock County

Ann Sheidler, Hancock County

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March 17, 2026

**Tuesday**

# Project Management/Planning

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**TIME:** 1:00-1:50 PM

**ROOM:** STEW 202

**PDH:** 1

## **64. Section 106, Tribal Consultation and the Kreitzer Site**

In this presentation, we will discuss the Kreitzer Site found during fieldwork for the I-69 Ohio River Crossing Project in southern Indiana, a joint INDOT and KYTC project. The site was determined to be eligible for listing in the National Register of Historic Places under Criterion D for its potential to yield data regarding the Yankeetown phase. Topics include the data recovery efforts used to mitigate adverse impacts from roadway construction, how discovery of Ancestral Remains initiated Tribal Consultation, and changes to roadway design.

### **SPEAKER(S)**

Patrick Trader, Gray & Pape, Inc.

Jeff Laswell, Gray & Pape, Inc.

Matt Coon, INDOT

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 202

**PDH:** 1

## **65. The Prime–Sub Relationship: How to Work Together**

Successful projects rely on strong prime–sub consultant relationships. This session will explore common challenges and strategies for effective collaboration, including clear communication, equitable agreements, and building trust. We will share lessons from both prime and sub perspectives, highlight a case study, and discuss how strategic sub selection—balancing expertise, capacity, and past performance—sets projects up for success. Attendees will leave with practical insights to strengthen partnerships and improve project delivery.

### **SPEAKER(S)**

Dawn Repogle, Resolution Group, Inc.

Katlyn Shergalis, Kimley-Horn and Associates, Inc.

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March 17, 2026

**Tuesday**

## Project Management/Planning

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 202

**PDH:** 1

### **66. Found in the Field: Utility Coordination Edition**

This session will address common utility challenges encountered in the field and the strategies used to resolve them. Utility information often changes between project development and delivery due to unmarked or mismarked facilities, new utilities installed without coordination, or abandoned infrastructure. Attendees will hear real-world examples of these issues, the impacts on projects, and the solutions applied. The discussion will also highlight technologies, techniques, and best practices that can help participants prepare for and mitigate similar challenges.

#### **SPEAKER(S)**

Aaron Day, American Structurepoint  
Jennifer Whitfield, USI Consultants, Inc.  
Brandi Redd, INDOT

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**TIME:** 4:00-4:50 PM

**ROOM:** STEW 202

**PDH:** 1

### **67. Designing for Drainage: Lessons from INDOT's Small Structures and Drains Projects**

Small structures and drains construction is becoming a distinct and increasingly common work type across INDOT. This presentation shares lessons learned in scoping, design, and anticipated construction for four such projects that span corridor types. We will highlight corridor differences and recommend reordering design sequencing to include an early engineering assessment before survey and NEPA. This approach improves cost accuracy, streamlines delivery, and aligns expectations with actual project needs.

#### **SPEAKER(S)**

Kyle Smith, CDM Smith  
Susan Doell, INDOT  
Zack Brady, INDOT  
H.T. Pham, INDOT

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March 17, 2026

**Tuesday**

# Project Management/Planning

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**TIME:** 11:00-11:50 AM

**ROOM:** STEW 279

**PDH:** 1

## **68. Using Technology to Manage Infrastructure**

This presentation will explore how digital tools are transforming the way communities plan, maintain, and optimize their assets. From data-driven decision making and asset management systems to innovative design and monitoring solutions, this presentation will highlight practical applications that improve efficiency, extend infrastructure life cycles, and reduce costs. Attendees will gain insights into leveraging technology to create smarter, more sustainable infrastructure management strategies.

**SPEAKER(S)**

Jeff Weaver, Abonmarche

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**TIME:** 12:00-12:50 PM

**ROOM:** STEW 279

**PDH:** 1

## **69. Smarter Projects with Microsoft 365 and AI**

This presentation explores how Microsoft 365 apps—SharePoint, Teams, Planner, and AI—can transform project management and collaboration. Learn how to centralize project information in SharePoint, streamline communication with Teams, and organize tasks through Planner. Discover how AI enhances insights, automates workflows, and supports smarter decision-making. Attendees will gain practical strategies for improving efficiency, accountability, and teamwork across projects, becoming more effective project managers and collaborators in today's fast-paced, technology-driven environment.

**SPEAKER(S)**

William Fort, Shrewsberry & Associates

Warren Brown,

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March 17, 2026

**Tuesday**

## **Project Management/Planning**

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**TIME:** 1:00-1:50 PM

**ROOM:** STEW 279

**PDH:** 1

### **70. How transportation impacts have been mitigated by the Indiana Stream and Wetland Mitigation Program**

The Indiana Stream and Wetland Mitigation Program (IN SWMP) has been selling mitigation credits since 2018. In this presentation, we will discuss the success and challenges of the program. We will also review the total funds collected by the program, the resulting impacts from transportation projects, and project partners and opportunities.

#### **SPEAKER(S)**

Summer Elmore, CHA Consulting, Inc.

Brad Baldwin, Indiana DNR

Jeff Spicer, Stantec

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 279

**PDH:** 1

### **71. SR 32: Indiana's First Progressive Design Build**

The SR 32 Progressive Design Build is the first in Indiana to implement a new progressive model for project delivery. In this presentation, we will highlight the 4-mile new roadway alignment project in Boone County's rapidly developing LEAP District. From procurement to construction start, development occurred in under 12 months. We will explain the progressive model of project delivery, technical components of project development, how a progressive contractor team functions, and how to build on this process for future projects.

#### **SPEAKER(S)**

Chase Schneider, INDOT

Mark Perron, Parsons Corporation

Bobby Steele, E & B Paving, Inc.

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March 17, 2026

**Tuesday**

# Project Management/Planning

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 279

**PDH:** 1

## **72. Cost-Effective Critical Path Management of Utilities and Right-of-Way**

ROW and Utilities are two essential elements that affect both cost and schedule. Because these disciplines involve third parties who may not always share the project's goals, significant attention is warranted to minimize unnecessary complications that can result in cost and schedule overruns. This session will focus on the intersections of ROW and utilities, providing participants with tools and tips to reduce project risk and build reliability in delivery.

### **SPEAKER(S)**

Kip Bunch, INDOT

Kenny Franklin, Parsons Corporation

Daniel McMurtry, Parsons Corporation

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**TIME:** 4:00-4:50 PM

**ROOM:** STEW 279

**PDH:** 1

## **73. NEPA and Permitting in Alternative Delivery**

Alternative delivery is expanding across Indiana both in the number of projects delivered and the delivery methods used. Using statewide examples, this presentation will provide project managers and environmental professionals with strategies for completing NEPA and permitting requirements in this dynamic environment. Projects discussed will include the I-80/94 FlexRoad (CMGC), I-69 Ohio River Crossing (3-phase design-build), Level Up 31 (CMGC), Revive I-70 (design-build), and SR 32 (progressive design-build).

### **SPEAKER(S)**

Leah Boits, Parsons Corporation

Jennifer Graf, Parsons Corporation

Drew Passmore, INDOT

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March 17, 2026

# Tuesday

## Safety

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**TIME:** 11:00-11:50 AM

**ROOM:** STEW 218 CD

**PDH:** 1

### **74. Traffic Safety in Indiana: 2026 Update**

This presentation will provide an update on traffic safety trends, programs, and changes in Indiana for 2026.

#### **SPEAKER(S)**

Taylor Ruble, INDOT

Dan McCoy, INDOT

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**TIME:** 12:00-12:50 PM

**ROOM:** STEW 218 CD

**PDH:** 1

### **75. From Pop-Up to Permanent: Lessons from a Tactical Urbanism Project**

After receiving an Indiana Department of Health grant for a temporary safety demonstrate project, the City of Columbus improved a key intersection impacting a dense residential neighborhood and four adjacent schools with a combined student population more than 4,000. The project included colored pavement markings and delineator posts to increase pedestrian safety, slow down traffic, and improve driver awareness. This presentation will highlight the lessons that were learned from installation to public outreach to moving toward permanent solutions.

#### **SPEAKER(S)**

Amber Porter, City of Columbus

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March 17, 2026

# Tuesday

## Safety

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**TIME:** 1:00-1:50 PM

**ROOM:** STEW 218 CD

**PDH:** 1

### **76. Focus on Lane Shift Tapers**

While lane shift tapers appear to be simple type of transition area in a work zone, they are often are designed or implemented incorrectly. This session will review lane shift taper basics, delve into various applications and scenarios, and provide guidance to improve lane shift taper implementation in work zones.

**SPEAKER(S)**

Mischa Kachler, INDOT

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 218 CD

**PDH:** 1

### **77. Evolution of Safety + Pavement Project to Improve Safety**

This presentation will provide an overview of how industry and public attitudes have changed over time as innovative crash-reducing intersections have become more commonplace. We will also share case studies detailing paving project safety improvements such as altering markings and other low-cost items.

**SPEAKER(S)**

Alan Holderread, INDOT

David Reamer, INDOT

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March 17, 2026

# Tuesday

# Safety

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 218 CD

**PDH:** 1

## **78. Enhancing Bicycle and Pedestrian Safety: Leveraging Near-Miss with IndyGo**

Safety remains a core priority for transportation professionals, yet traditional crash data often do not capture the full picture, particularly for vulnerable road users like bicyclists and pedestrians. To address this gap, the transit agency for Indianapolis, IndyGO, integrated near-miss conflict data into a transit-oriented safety project at 33 bus stops and intersection across Indianapolis. In this presentation, learn how IndyGo is using these data to inform operational and infrastructure improvements in coordination with the Indianapolis Department of Public Works.

### **SPEAKER(S)**

Christian Cambron, IndyGo

Patrick Weitlauf, CHA Consulting, Inc.

Steven Hollenkamp, Quality Counts, LLC.

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**TIME:** 4:00-4:50 PM

**ROOM:** STEW 218 CD

**PDH:** 1

## **79. Development of Indianapolis's First Vision Zero Plan**

This presentation will provide a comprehensive overview of the steps involved in developing the Vision Zero Plan for Indianapolis. We will explore the extensive coordination and collaborative efforts among stakeholders that were essential to crafting the City's inaugural Vision Zero Plan, highlighting key milestones, partnerships, challenges, and strategies that shaped the process.

### **SPEAKER(S)**

LeAndre Level, City of Indianapolis

Maria Cantrell, Burgess & Niple, Inc.

Jeremy VanVleet, Burgess & Niple, Inc.

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March 17, 2026

**Tuesday**

# Traffic Operations

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**TIME:** 1:00-1:50 PM

**ROOM:** PMU 240/FACE

**PDH:** 1

## 80. LEAP District & Trip Generation: Data-Driven Road Network Preparation

**Preparing Local Road Networks for MEGA Development:** As the next location of global innovation, the LEAP Lebanon Innovation District is embracing mega opportunities of new investments and jobs. This presentation will highlight the traffic simulation model for the LEAP area and how it is used to evaluate construction-related impacts from major developments. This effort provides insights into anticipated traffic pattern changes and disruptions to the local roadway system and supports comprehensive planning and management throughout LEAP's construction phases.

### **SPEAKER(S)**

Akbar Bakhshi, Corradino, LLC.

Dan McCoy, INDOT

Craig Parks, Avenew

**Development of Indiana-Specific Trip Generation Procedures:** This presentation will explore how Indiana-specific data can reshape trip-generation practices for key land uses, such as warehouses, fast-food restaurants, gas stations, and truck stops. By grounding forecasts in local conditions, the work enhances INDOT's ability to anticipate traffic impacts and guide infrastructure investments. Attendees will see how conventional methods are being reexamined, where surprising patterns emerge, and why this shift could matter for future development decisions.

### **SPEAKER(S)**

Rishika Tumula, Purdue University

Nathan Shellhamer, INDOT

Konstantina (Nadia) Gkritza, Purdue University

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March 17, 2026

**Tuesday**

# Traffic Operations

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**TIME:** 2:00-2:50 PM

**ROOM:** PMU 240/FACE

**PDH:** 1

## 81. Traffic Management After Actions and Speech-to-Response Actionable Traffic Intelligence

***Speech-to-Response: Converting 9-1-1 Dispatch Audio into Actionable Traffic Intelligence:*** This presentation will introduce a system that transforms public safety dispatch audio into structured, actionable data for traffic management centers. Using Automatic Speech Recognition (ASR), the approach enables real-time incident detection from public-safety answering point communications, bridging emergency response and transportation operations. We will highlight key technical components, integration challenges, and early deployment insight demonstrating how voice-based intelligence can enhance situational awareness, accelerate response times, and support cross-jurisdictional traffic coordination.

### **SPEAKER(S)**

Christopher Gartner, Purdue University

**Indiana Traffic Management After Actions:** Next-Generation Traffic Incident Management (TIM), an FHWA Everyday Counts initiative, enhances traveler and responder safety by transforming incident response operations. This presentation will highlight advances in traditional after-action reviews by integrating connected vehicle data, ITS cameras, dashcam images, crash reports, and responder radio audio. These innovations enable precise documentation of all T0–T7 performance measure milestones, providing a richer, data-driven understanding of response effectiveness and opportunities for continuous improvement.

### **SPEAKER(S)**

Myles Overall, Purdue University

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March 17, 2026

**Tuesday**

# Traffic Operations

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**TIME:** 3:00-3:50 PM

**ROOM:** PMU 240/FACE

**PDH:** 1

## **82. Diverging Diamond Interchanges: Design Refinements and Performance**

This presentation will share an overview of INDOT's experience with the design of diverging diamond interchanges (DDIs). Specific discussion will focus on design refinements being made in the most recent DDIs in Indiana, as well as lessons learned from existing DDIs in the areas of geometrics, operations and performance, and human factors/driver behavior. We will also review case studies and before-and-after analyses of existing DDIs.

### **SPEAKER(S)**

Nathan Shellhamer, INDOT

Dan McCoy, INDOT

Jack Gallagher, INDOT

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March 17, 2026

**Tuesday**

# Traffic Operations

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**TIME:** 4:00-4:50 PM

**ROOM:** PMU 240/FACE

**PDH:** 1

## 83. Leveraging CV Data for Traffic and Safety Analysis Nationwide

### **National Level Weekly Work Zone Reporting and Key After Action Reviews Combining Various**

**Datasets:** Connected Vehicle data from nine states is analyzed every week and summarized in the form of a weekly work zone review report and help agencies in monitoring queuing, closures, or major incidents on interstate highways and work zones. This presentation will highlight the ongoing work as part of the Transportation Pooled Fund Study on Work Zone Analytics. We will also discuss after action studies across the states.

#### **SPEAKER(S)**

Justin Mukai, Purdue University  
Myles Overall, Purdue University

**Utilizing Connected Vehicle Data to Identify Impacts of Congestion on Adjacent Agencies:** Most state agencies observe congestion within their borders, but traffic spills over from neighboring states which is difficult to monitor. This presentation will describe scalable methodology that utilizes connected vehicle (CV) data to quantify cross-border congestion in units of time. Using Indiana's interstates as case studies, CV data of high temporal and spatial resolution reveal various trends of cross-border queuing across Indiana's borders. This analysis enables evaluation of cross-border congestion location, direction, duration, and severity.

#### **SPEAKER(S)**

Thomas Driscoll, Purdue University  
Jairaj Desai, Purdue University

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March 17, 2026

**Tuesday**

# Urban Planning

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**TIME:** 11:00-11:50 AM

**ROOM:** WTHR 104

**PDH:** 1

## **84. Land Use Strategies: Maximizing Community Assets and Opportunity**

Communities thrive when land is managed with intention and vision. This session will examine how local governments and development commissions can use acquisition, partnerships, and strategic property management to support growth and revitalization. Attendees will explore best practices for evaluating public assets, repurposing surplus properties, and aligning land use with community goals. The discussion will highlight how proactive planning and collaboration drive stronger economic outcomes and position communities for future opportunity.

### **SPEAKER(S)**

Pete Olson, Civitas Strategies  
Ryan Crum, Town of McCordsville  
Andrew Klinger, Town of Plainfield

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**TIME:** 12:00-12:50 PM

**ROOM:** WTHR 104

**PDH:** 1

## **85. From Planning to Reality: Designing Clarksville's Riverside Drive Project**

This presentation will highlight key infrastructure improvements along the Ohio River in Clarksville, Indiana. We will discuss projects including the reconstruction of Riverside Drive and the completion of the Ohio River Greenway trail. Attendees will learn about the complex project designs that necessitated the relocating a fabrication facility, working in close proximity to the flood control district's levee wall, and minimizing impacts to the river's floodway.

### **SPEAKER(S)**

Nick Batta, CMT Infrastructure Professionals  
Kevin Baity, Town of Clarksville

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March 17, 2026

**Tuesday**

# Urban Planning

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**TIME:** 2:00-2:50 PM

**ROOM:** WTHR 104

**PDH:** 1

## **86. Transportation Implications of School District Development**

School districts face growing challenges from aging infrastructure, limited funding, and shifting enrollment trends. As communities respond by building new schools, consolidating facilities, or closing outdated buildings, these decisions directly affect the local transportation network. This presentation will highlight how Traffic Impact Analyses provide reassurance to school districts and communities by evaluating roadway operations, anticipating future needs, and identifying improvements that ensure safe and efficient access to educational facilities amid changing conditions.

### **SPEAKER(S)**

Neal Styka, Kapur and Associates  
Aaron Bubb, Kapur and Associates

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**TIME:** 3:00-3:50 PM

**ROOM:** WTHR 104

**PDH:** 1

## **87. Enhancing Safe Streets and Roads for All (SS4A) Safety Plans Through Stakeholder Input**

Developing a successful Safe Streets and Roads for All (SS4A) safety action plan requires meaningful collaboration across diverse groups. While technical advisory committees are valuable, participation and feedback are not always guaranteed making outreach to organizations and attendance at community events all the more important to ensure input can truly shape stronger, more responsive safety plans. This presentation will highlight how one-on-one outreach and direct engagement build trust, expand community input, and reveal safety concerns not reflected in crash data.

### **SPEAKER(S)**

Neal Styka, Kapur and Associates  
Aaron Bubb, Kapur and Associates

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March 17, 2026

**Tuesday**

# Urban Planning

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**TIME:** 4:00-4:50 PM

**ROOM:** WTHR 104

**PDH:** 1

## **88. Purdue University in Indianapolis Master Plan**

This presentation will describe how Purdue University in Indianapolis is taking its next giant leap—creating a bold, STEM-focused campus that will power Indiana’s technology ecosystem and fuel global impact. Guided by a forward-thinking 50-year master plan, the campus will blend cutting-edge facilities with vibrant, student-centered spaces. The plan prioritizes collaboration, research, and innovation while embracing Indianapolis’s character and history. We will also discuss the planned open green spaces, housing and academic hubs, and a new multimodal transportation network.

### **SPEAKER(S)**

Jay Wasson, Purdue University

Amber Chellis-Omedo, Purdue University

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March 18, 2026

Wednesday

# Aviation

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**TIME:** 8:00-8:50 AM

**ROOM:** WTHR 104

**PDH:** 1

## 89. Aviation Misfuelling Risks & General Accident Analysis

**Aircraft Misfuelling Awareness after Sustainable Aviation Fuel (SAF) Integration:** Misfuelling or delivering the wrong type of fuel to an aircraft can cause serious economic losses and catastrophic safety risks if not detected before fueling or aircraft departure. Using Sustainable Aviation Fuel (SAF) alongside existing fuel infrastructure (Jet Fuel, Avgas, among others) can create potential issues and operational hazards. This presentation will cover different types of aviation fuel, risks linked to incorrect fuel or additives, preventive measures, and Aircraft Rescue and Firefighting (ARFF).

### SPEAKER(S)

Jiahao Yu, Purdue University  
SooYon Jin, Purdue University  
Mary Johnson, Purdue University

**Analysis of General Aviation Accidents in United States:** General aviation (GA) has a greater accident rate than commercial aviation and comprises 94% of US civil aviation fatalities—an annual average of 765 GA US fatalities. This presentation will analyze themes such as frequencies, proportions, co-occurrence, and accident.

### SPEAKER(S)

Timothy Kipkoech Tanui, Purdue University  
Mary Johnson, Purdue University

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March 18, 2026

# Wednesday

## Aviation

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**TIME:** 9:00-9:50 AM

**ROOM:** WTHR 104

**PDH:** 1

### **90. Reconstructing Taxiway B and Terminal Apron at South Bend International Airport**

This presentation will provide a deep dive into the transformational taxiway and terminal apron project at South Bend International Airport. We will review how the \$105 million project over five construction seasons completely overhauled the southern half of the airfield. Topics include project need, design elements including pavement and lighting, construction safety and phasing, value engineering, project financing, and coordination with the FAA.

#### **SPEAKER(S)**

Jeremy Yahwak, South Bend International Airport  
Jeff Thoman, Mead & Hunt

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**TIME:** 10:00-10:50 AM

**ROOM:** WTHR 104

**PDH:** 1

### **91. Airport Infrastructure: Pavement Rehabilitation Challenges & Wildlife Safety**

**Pavement Rehabilitation Challenges and Solutions:** This presentation will focus on the Hendricks County Airport Runway/Taxiway pavement rehabilitation and the challenges of balancing today's construction costs with available funding to provide long term solutions that are acceptable to the airport owner as well as the FAA and INDOT Aviation. We will discuss how the multiyear design resulted in combining the runway and taxiway rehabilitations into a single project resulting in construction cost savings.

#### **SPEAKER(S)**

Jason Clearwaters, Butler, Fairman & Seufert, Inc.  
Tony McMichael, Indianapolis Airport Authority

**A Review of Airport Fencing and Wildlife Hazards:** This presentation will review the strengths and weaknesses of airport fences in restricting wildlife access to Airport Operations Areas at Indiana airports. Additional topics will include FAA-approved wildlife exclusion fencing designs and general guidelines on fence gap evaluation and maintenance. Airport fence evaluations can be key to obtaining airport improvement project funding in the cases of inadequate fencing.

#### **SPEAKER(S)**

Robert Sliwinski, Christopher B. Burke Engineering, Ltd.

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March 18, 2026

**Wednesday**

## **Aviation**

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**TIME:** 12:00-12:50 PM

**ROOM:** WTHR 104

**PDH:** 1

### **92. Heavy Weight Deflectometer (HWD) Structural Analysis for Airport Pavement Design**

The presentation provides an overview of the McGhee Tyson Airport Runway rehabilitation. Resource International, Inc. conducted a structural evaluation to support design development, incorporating heavy weight deflectometer, ground penetrating radar, and coring on the runway and taxiways. This presentation summarizes the non-destructive testing program, FAARFIELD modeling, and resulting pavement design recommendations.

#### **SPEAKER(S)**

Cherif Amer-Yahia, Resource International, Inc.

Leila Sadeghi, Resource International, Inc.

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**TIME:** 1:00-1:50 PM

**ROOM:** WTHR 104

**PDH:** 1

### **93. Indianapolis International Airport's Firefighting Foam Transition**

Airports nationwide are transitioning from PFAS-containing Aqueous Film-Forming Foam (AFFF) to fluorine-free foam (F3) for aircraft rescue and firefighting operations. Foam transition is not a simple replacement—it is a complex process requiring careful planning; technical evaluation; and engagement among aircraft rescue and firefighting (ARFF) personnel, environmental staff, maintenance teams, and regulators. This presentation will share challenges and lessons learned from multiple airport projects to help others plan effective transitions that maintain firefighting readiness and ensure environmental compliance.

#### **SPEAKER(S)**

Jill Greene, CDM Smith

Todd Cavender, Indianapolis International Airport

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March 18, 2026

**Wednesday**

## **Aviation**

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**TIME:** 2:00-2:50 PM

**ROOM:** WTHR 104

**PDH:** 1

### **94. Enhancing Operational Efficiency at Evansville Regional Airport**

This presentation will review the Evansville Regional Airport's (EVV) \$15.5 million, 43,000-square-foot maintenance facility project that significantly enhances airfield operations. Strategically located adjacent to the terminal, the facility enables direct runway access, supports larger snow removal equipment, and consolidates administrative and storage functions. Attendees will learn how this investment improves operational efficiency, supports future growth, and aligns with EVV's long-term infrastructure modernization strategy.

#### **SPEAKER(S)**

Casey Jones, CHA Consulting, Inc.

Nate Hahn, Evansville Regional Airport

Jason Gillett, Evansville Regional Airport

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**TIME:** 3:00-3:50 PM

**ROOM:** WTHR 104

**PDH:** 1

### **95. Gary/Chicago Airport Cargo Logistics Apron**

The Gary/Chicago International Airport has seen a steady increase in cargo activity with the Passenger Terminal and the associated apron becoming the location of this activity. To provide both commercial service and cargo, relocating cargo to the northwest quadrant became a priority. This presentation will cover the fast and furious effort to secure multiple funding sources, complete project formulation, and construct a 19.5-acre concrete apron.

#### **SPEAKER(S)**

Ken Ross, NGC Corporation

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March 18, 2026

**Wednesday**

## **Bridges**

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**TIME:** 8:00-8:50 AM

**ROOM:** STEW 206

**PDH:** 1

### **96. Big Mac Attack: 100 Day Emergency Bridge Repair**

Early morning November 1, 2024, ODOT received the call that a bridge was on fire. After vandals set a playground ablaze below the Daniel Carter Beard Bridge—known as Big Mac Bridge for its yellow arches—the fire rendered mass destruction to the superstructure causing immediate closure of the critical river-crossing transportation artery between Ohio and Kentucky. This presentation will take attendees on the 100-day journey from emergency shutdown to bridge re-opening.

#### **SPEAKER(S)**

Chris Tuminello, ODOT

Tom Hackett, Great Lakes Construction Company

Mike Malloy, E.L. Robinson Engineering

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**TIME:** 9:00-9:50 AM

**ROOM:** STEW 206

**PDH:** 1

### **97. Bridge Inspection New Requirements: Year 1 Lessons Learned**

This presentation will review the first year of the new Federal Bridge Inspection requirements related to Specifications for the National Bridge Inventory.

#### **SPEAKER(S)**

Kyle Kent, United Consulting

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March 18, 2026

**Wednesday**

## **Bridges**

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**TIME:** 10:00-10:50 AM

**ROOM:** STEW 206

**PDH:** 1

### **98. Bur Oak Pedestrian Bridge and Trail Project**

The Bur Oak Bridge at Hazel Landing Park in Carmel, Indiana, is a 500-foot pedestrian bridge uniting Carmel and Fishers across the White River. It links major trails into one of the Midwest's most connected networks. This presentation will highlight how the team balanced aesthetics, functionality, and connectivity while navigating challenges with hydraulic permitting, floodway construction, and overall structural design.

#### **SPEAKER(S)**

Matthew Snyder, CTI Construction, LLC.

John SanGiorgio, United Consulting

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**TIME:** 11:00-11:50 AM

**ROOM:** STEW 206

**PDH:** 1

### **99. Adjacent Prestressed Concrete Box Beam Bridges**

Many of Indiana's adjacent prestressed concrete box beam bridges are nearing the end of their service life, presenting challenges for local agencies tasked with maintaining safe and reliable transportation infrastructure with limited funds. This presentation will explore practical and cost-effective preventive maintenance strategies that Decatur County has implemented to extend the service life of their box beam bridges.

#### **SPEAKER(S)**

Todd Houk, Decatur County

Reid McIntire, United Consulting

Justin Wells, Decatur County

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March 18, 2026

**Wednesday**

## **Bridges**

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**TIME:** 1:00-1:50 PM

**ROOM:** STEW 206

**PDH:** 1

### **100. Iconic Henry Street/Innovator Way Bridge in Indy**

The iconic new Henry Street/Innovator Way bridge over the White River in Indianapolis is a connection to the west side of downtown. From the challenging hydraulics requirements to the bridge concepts, design, procurement and through construction and archaeology work, the City has worked with many stakeholders and the public to make this new crossing a success. This presentation will focus on design elements of the bridge while highlighting other project elements.

#### **SPEAKER(S)**

Marshall Lachecki, CMT Infrastructure Professionals

Keith Echternach, City of Indianapolis

Mary Appel, WSP USA

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 206

**PDH:** 1

### **101. Solutions to Non-Redundant Steel Tension Member (NSTM) Inspection Access Challenges**

Non-redundant steel tension member (NSTM) inspections require detailed hands-on evaluation, yet many members are difficult to access. This presentation will review access techniques—including mobile elevating work platforms, unmanned aircraft systems, and rope access—highlighting their advantages, limitations, and real-world applications. We will also discuss INDOT work plan requirements for NSTM inspections and how these influence access planning and execution.

#### **SPEAKER(S)**

Anthony Marino, INDOT

Brian Dilworth, Collins Engineers, Inc.

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March 18, 2026

**Wednesday**

## **Bridges**

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 206

**PDH:** 1

### **102. New Bridge Engineering Program at Purdue University**

Despite the importance and age of bridges in the US, there is not a single engineering program dedicated to bridge design and evaluation. Purdue University has begun developing a bridge engineering program with a dedicated curriculum. This presentation will review the progress made to date and discuss future developments in the bridge engineering program.

#### **SPEAKER(S)**

Francisco Javier Bonachera Martin, Purdue University  
Robert Connor, Purdue University

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**TIME:** 4:00-4:50 PM

**ROOM:** STEW 206

**PDH:** 1

### **103. Rapid-Response Playbook: Bridge Beam Strikes and Emergency Repairs, a Real-World Case Study—I-69 over SR 13**

When a truck strikes a bridge beam, every second counts. On January 24, 2025, INDOT faced such a challenge on the I-69 bridge over SR 13 in Madison County. With safety and structural integrity on the line, INDOT swiftly secured the site and engaged with partners to assess the damage, verify load ratings, and plan urgent repairs. This presentation will provide an inside look at this fast-paced, high-stakes response. Discover the decision-making, workflow, and collaboration required to turn crisis into action—all within critical timeframes. Attendees will gain practical insights into rapid response protocols, assessment processes, and repair strategies essential for consultants, contractors, public agencies, and students alike.

#### **SPEAKER(S)**

Tyler Wolf, Egis  
Jennifer Hart, INDOT

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March 18, 2026

**Wednesday**

## **Design/Construction**

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**TIME:** 8:00-8:50 AM

**ROOM:** Fowler Hall

**PDH:** 1

### **104. Construction Specifications and Special Provisions**

This presentation will assist project managers and designers in preparing the necessary information required for Department contracts involving Standard Specifications and Special Provisions. Attendees will be exposed to examples of both the right way and the wrong way to present a Unique Special Provision, helpful tips on how to navigate the new Sharepoint review process, and questions to ask to help the author to adhere to legal, moral, and ethical construction standards.

**SPEAKER(S)**

Scott Trammell, INDOT

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**TIME:** 9:00-9:50 AM

**ROOM:** Fowler Hall

**PDH:** 1

### **105. Should I Approve This? Utility Work Plan Mistakes**

This presentation will highlight common issues with utility work plans and relocation drawings. Mistakes and missed information can result in project delivery delays, design re-work, constructability issues, hit utility lines, and construction delays. Attendees will hear perspectives from INDOT, Indianapolis DPW, and utilities.

**SPEAKER(S)**

Deborah Porter, Clark Dietz, Inc.

Katherine Kreienkamp, City of Indianapolis

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March 18, 2026

**Wednesday**

## Design/Construction

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**TIME:** 10:00-10:50 AM

**ROOM:** Fowler Hall

**PDH:** 1

### **106. I-64 ATL: Stage 3 Design-Bid-Build (DBB) to Design-Build-Low-Bid (DBLB)**

This presentation will share how I-64 ATL, an added travel lanes project, went from a traditional design-bid-build project at Stage 3 to an alternative procurement design-build-low-bid. We will explain the reasons behind the shift and how it was executed.

#### **SPEAKER(S)**

Dan Thatcher, HNTB Corporation

Kyanna Wheeler, INDOT

Bob Tally, INDOT

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**TIME:** 11:00-11:50 AM

**ROOM:** Fowler Hall

**PDH:** 1

### **107. Upcoming Changes to Construction in Floodway Application Process**

The DNR Division of Water is planning an update to their database and process for reviewing “Construction in a Floodway” permit applications. This presentation will provide an overview of the planned application process including electronic-only submittals; guided questions to assist in determining the required submittal information; and a portal for customers to view the status of their applications, respond to any deficiencies, and obtain answers to questions and request assistance in preparing application submittal items.

#### **SPEAKER(S)**

Alysson Oligier, Indiana DNR

Grant Eyster, Indiana DNR

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March 18, 2026

**Wednesday**

## Design/Construction

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**TIME:** 1:00-1:50 PM

**ROOM:** Fowler Hall

**PDH:** 1

### **108. An Innovative Road Design for a Storm Water Project**

Indianapolis DPW has started construction on major drainage improvements in one of its oldest neighborhoods, Fountain Square. Building a 66" storm sewer main along Shelby Street from I-65 into the heart of Fountain Square created design opportunities beyond accommodating the 10-year storm. This session will explore the innovative road design being incorporated into the reconstructed Shelby Street, including an inverted crown, bioretention areas, and cycle track safety improvements.

#### **SPEAKER(S)**

Brian Carpenter, WSP USA

Tucker Born, City of Indianapolis

Joe Streeter, WSP USA

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**TIME:** 2:00-2:50 Pm

**ROOM:** Fowler Hall

**PDH:** 1

### **109. We're Building a Roundabout for Just \$1 Million?!?!?**

This presentation will highlight an INDOT case study on converting a high-speed, signalized rural intersection at SR 45/SR 445 to a compact roundabout that leverages the existing pavement structure and shoulder capacity to minimize new work and maintenance needs. The design limits footprint growth, avoids new right of way, and targets safer operations with speed-management features, including a proposed reduction of the posted speed. We will share geometry, traffic, and maintenance of traffic considerations as well as development lessons from district and central-office coordination for constructible, low-cost safety improvements.

#### **SPEAKER(S)**

Jason Taylor, Burgess & Niple, Inc.

David Reamer, INDOT

Clancy Sturgeon Mallott, INDOT

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March 18, 2026

**Wednesday**

## Design/Construction

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**TIME:** 3:00-3:50 pm

**ROOM:** Fowler Hall

**PDH:** 1

### **110. Level Up 31: Designing Indiana's First Construction Manger/General Contractor (CMGC) Project**

Level Up 31 showcases the design of Indiana's first CMGC interchange at I-465/US 31. This session will highlight the engineering challenges and creative solutions behind ramp geometry, bridge widenings, and mechanically stabilized earth wall modifications. Learn how the design team balanced innovation, constructability, and stakeholder input to deliver a transformative infrastructure project that sets a new standard for interchange design in the state.

#### **SPEAKER(S)**

Jonathan Wallace, INDOT

Karl Krukenberg, WSP USA

Rusty Holt, WSP USA

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**TIME:** 4:00-4:50 pm

**ROOM:** Fowler Hall

**PDH:** 1

### **111. Setback to Solution: Emergency Repair Success Near Project Completion**

In Fall 2023, construction began on the US 50 overlay and curb ramp project in Bedford, Indiana. The urban setting posed challenges to utility coordination and right-of-way acquisition. However, the most significant challenge was in June 2024 when unrelated work nearby caused a water main burst, damaging pavement before project completion. This presentation will describe the rapid collaboration among INDOT, designers, and city officials to secure funding and add repairs to the contract, enabling swift recovery and successful project closeout.

#### **SPEAKER(S)**

Melissa Effinger, Michael Baker International

Mitchell Wilcox, Michael Baker International

Clint Scherzer, INDOT

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March 18, 2026

**Wednesday**

## Design/Construction

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**TIME:** 1:00-1:50 PM

**ROOM:** Loeb Theater

**PDH:** 1

### **112. Navigating Preconstruction on Indiana's First Construction Manager/General Contractor (CMGC) Project**

Level Up 31, Indiana's first Construction Manager/General Contractor (CMGC) project, has successfully completed the Preconstruction Phase. This presentation will focus on navigating that phase, highlighting key elements such as pricing exercises; the risk register; and challenges and lessons learned in schedule, collaboration, constructability, and quantity reconciliation. We will also share updates on the Alternative Delivery Program.

#### **SPEAKER(S)**

Jonathan Wallace, INDOT

Caleb Frey, Rieth-Riley

Kevin Jasinski, Burgess & Niple, Inc.

Scott

Sipes, INDOT

Karl Krukenberg, WSP USA

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**TIME:** 2:00-2:50 PM

**ROOM:** Loeb Theater

**PDH:** 1

### **113. Case Study: Ronald Reagan Parkway Design**

This presentation will focus on the design and construction of Ronald Reagan Parkway Phases 1A and 1B through Hendricks County. We will discuss the funding, design process, and design constraints for this new terrain roadway.

#### **SPEAKER(S)**

Brian Haefliger, United Consulting

John Ayers, Hendricks County

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March 18, 2026

**Wednesday**

## **Design/Construction**

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**TIME:** 3:00-3:50 PM

**ROOM:** Loeb Theater

**PDH:** 1

### **114. Early Contract Input, Better Outcomes: Indiana's Collaborative Advantage**

This presentation will explore how Indiana planners and engineers can stretch limited transportation dollars by engaging contractors early in the planning and design process. With field and real-world examples, we will highlight how input improves constructability; reduces change orders; and leads to smarter, more efficient project delivery. Attendees will leave with practical strategies—like cross-discipline collaboration and industry involvement—to build infrastructure that's more cost-effective, buildable, and aligned with INDOT's commitment to Hoosiers.

#### **SPEAKER(S)**

Junell O'Donnell, HNTB Corporation  
Richard Hedgecock, Indiana Constructors, Inc.  
Steve Varner, E & B Paving, Inc.

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**TIME:** 4:00-4:50 PM

**ROOM:** Loeb Theater

**PDH:** 1

### **115. Rapid Response: Reconstructing the Washington Street Bridge**

Learn how the project team quickly pivoted to fully reconstruct the Washington Street Bridge over Little Eagle Creek. This session will cover the technical challenges, staffing solutions, and key lessons learned from this high-profile DPW project. Project highlights include pre-drilling 24 pile shafts through shale utilizing a 70' Precast Arch Structure and Lightweight Cellular backfill.

#### **SPEAKER(S)**

Kevin Miller, HNTB Corporation  
Keith Echternach, City of Indianapolis  
Ben Highsmith, Pontem Contractors

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March 18, 2026

**Wednesday**

## Design/Construction

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**TIME:** 8:00-8:50 AM

**ROOM:** STEW 302

**PDH:** 1

### **116. Transforming INDOT Major Projects with Bentley Infrastructure Cloud**

Bentley Infrastructure Cloud is modernizing how INDOT delivers infrastructure projects by enabling real-time collaboration and connected digital workflows. This session will highlight its deployment on major projects, showcasing how the platform supports design through construction, milestone tracking, and deliverable management. Attendees will learn how these workflows—once proven on large-scale efforts—can be scaled and adapted to any INDOT project, driving consistency, transparency, and productivity across teams and disciplines.

#### **SPEAKER(S)**

Nathan Goins, HNTB Corporation  
Andrew Pangallo, INDOT  
Jon Pauwe, INDOT

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**TIME:** 9:00-9:50 AM

**ROOM:** STEW 302

**PDH:** 1

### **117. Common Issues and Tips for INDOT Plan Submittals**

This presentation will discuss common issues identified during the INDOT Plan Review Process. Attendees will learn how to address commonly identified comments to streamline reviews for both the reviewer and the designer. We will provide examples of common issues and solutions for addressing them proactively before submittals.

#### **SPEAKER(S)**

Shariq Husain, INDOT  
Monte Mildenberg, Egis  
John Beery, Egis

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March 18, 2026

**Wednesday**

## **Design/Construction**

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**TIME:** 10:00-10:50 AM

**ROOM:** STEW 302

**PDH:** 1

### **118. The Ground Tried to Stop Us (and Lost)**

This presentation will highlight Phase 2 of the Pleasant Street project in Noblesville, Indiana. This phase faced poor soils and contaminated materials requiring EPA coordination under a fixed timeline. The team evaluated multiple mitigation options and implemented a practical solution that maintained schedule and quality. The session will share key challenges, solutions, and lessons learned to guide engineers managing complex soil and contamination issues in urban built-up environments.

#### **SPEAKER(S)**

Alison Krupski, City of Noblesville

Dan Isaacs, Butler, Fairman & Seufert, Inc.

Mike Wigger, Terracon Consultants, Inc.

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**TIME:** 11:00-11:50 AM

**ROOM:** STEW 302

**PDH:** 1

### **119. Designing the Silver Bullet: Safer Roundabouts for Carmel**

Transforming seven Towne Road roundabouts into safer streets required smart planning, quick thinking, and close coordination among the City of Carmel, Crossroad Engineers, and Calumet Civil Contractors. Raised pedestrian crosswalks naturally slowed vehicles, enhancing safety and visibility for pedestrians. This presentation will highlight the collaborative approach used that demonstrates how innovative design and teamwork can successfully convert a busy, high-traffic corridor into a pedestrian-friendly, safer street.

#### **SPEAKER(S)**

Jarrod Huff, City of Carmel

Joshua Kirsh, City of Carmel

Willie Hall, Crossroad Engineers

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March 18, 2026

**Wednesday**

## **Design/Construction**

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**TIME:** 1:00-1:50 PM

**ROOM:** STEW 302

**PDH:** 1

### **120. You Want to Build WHAT in the River?**

This presentation will highlight the construction of a toe-wood shelf built in the Patoka River in Jasper. Topics will include a brief history of local settings, issues to resolve, decisions to construct toe-wood shelf, design and construction of the toe-wood shelf, regulatory permitting, and a status update on project performance.

#### **SPEAKER(S)**

Scott Schnell, City of Jasper

Chad Hurm, City of Jasper

Craig Knies, Knies Construction

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 302

**PDH:** 1

### **121. SR 56 Emergency Slide Repair**

This presentation will provide an overview of the design, emergency procurement, and construction of the SR 56 Slide Repair outside of Madison. Despite being planned for the November 2025 letting, this 300-foot-long slide site adjacent to the Ohio River was successfully repaired. In March 2025, slide movement accelerated and SR 56 was closed. The emergency construction contract utilized Stage 3 plans to procure a design-build soil nail wall. We will also discuss how environmental and permit documents were updated for the 600-foot-long repair.

#### **SPEAKER(S)**

Michael Flanagan, WSP USA

Bob Tally, INDOT

Joey Franzino, INDOT

Meghan Hinkle, WSP USA

Justin Anderson, GeoSpecialties

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March 18, 2026

**Wednesday**

## Design/Construction

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 302

**PDH:** 1

### **122. Lessons Learned: Indiana's First Hybrid Intersection**

This session will highlight Indiana's first hybrid innovative intersection at TheLloyd4U and Stockwell Avenue, merging a Displaced Left Turn and Boulevard Left Turn. We will share lessons learned from design and implementation, including how collaboration and innovation shaped this unique solution to traffic challenges. A before-and-after perspective will offer practical takeaways for future intersection projects.

#### **SPEAKER(S)**

Nicole Minton, Lochmueller Group  
Emily Sprinkle, INDOT  
Jeff Whitaker, Lochmueller Group  
Tyler Price, American Structurepoint

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**TIME:** 4:00-4:50 PM

**ROOM:** STEW 302

**PDH:** 1

### **123. Roundabout Roundtable**

This panel discussion will be focused on the latest information about roundabouts. Engineers from some of the Indiana cities well-versed in roundabouts will share what they have learned over the years to improve roundabout designs and operations.

#### **SPEAKER(S)**

Hatem Mekky, City of Fishers  
Johnathon Nail, City of Westfield  
Alison Krupski, City of Noblesville

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March 18, 2026

**Wednesday**

## **Elected Officials**

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**TIME:** 8:00-8:50 AM

**ROOM:** STEW 320

**PDH:** 1

### **124. Building Trust with Communities to Advance Projects**

The best engineering solutions only succeed when communities believe in them. This session will explore how to build trust with residents, business owners, and local officials so projects can move forward smoothly. We will share approaches that reduce opposition, foster support, and strengthen conversations. The session will also touch on how understanding personality trends can make it easier to connect with people and build lasting trust.

#### **SPEAKER(S)**

Christine Meyer, C2 Strategic Communications

Tom Spalding, C2 Strategic Communications

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**TIME:** 9:00-9:50 AM

**ROOM:** STEW 320

**PDH:** 1

### **125. Driving Dollars Further: Updates on Road Funding Programs for Indiana Communities**

This session will provide an overview of Indiana's Community Crossings Matching Grant (CCMG) program and its impact on local road and bridge preservation. We will explore how lane mile distribution determines funding allocations and discuss the importance of local revenue tools such as the wheel tax and excise surtax in helping counties, cities, and towns maximize available state matching funds. Attendees will gain insights from INDOT and the Local Technical Assistance Program on best practices for leveraging these funding mechanisms to stretch local budgets, meet eligibility requirements, plan for long-term infrastructure needs, and give local elected officials the facts they need to best serve their communities and counties.

#### **SPEAKER(S)**

Patrick Conner, Purdue University

Jennifer Sharkey, Purdue University

Kathy Eaton-McKalip, INDOT

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March 18, 2026

**Wednesday**

## **Elected Officials**

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**TIME:** 10:00-11:50 AM

**ROOM:** STEW 320

**PDH:** 2

### **126. INLTAP's Local Agency Roundtable for Elected Officials**

Join us for a dynamic roundtable discussion designed to address the pressing challenges faced by local elected officials today. Facilitated by subject matter experts, this session will offer a unique opportunity to engage in collaborative, solution-focused conversations on topics that matter most to your community—ranging from communication strategies, road funding, workforce development, and retention. Connect with peers, share experiences, and gain valuable insights from both experts and fellow officials in an open forum aimed at fostering innovative solutions and shared learning.

#### **SPEAKER(S)**

Nicole Broch, Bliss McKnight, Inc.

Nick Irmeger, Bliss McKnight, Inc.

Kathy Eaton-McKalip, INDOT

Jennifer Sharkey, Purdue University

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 320

**PDH:** 1

### **127. INDOT and Local Collaborations: Creating Lifesaving Partnerships**

More than 60% of fatal and injury crashes are on local networks. A partnership between INDOT, municipalities, and counties is essential in eliminating fatalities in Indiana. This presentation will address how locals can access and utilize crash data and receive technical assistance. We will review low-cost safety countermeasures and examples of existing collaborations between the state, local, and county governments

#### **SPEAKER(S)**

Nathan Moshos, INDOT

David Reed, INDOT

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March 18, 2026

**Wednesday**

## **Elected Officials**

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 320

**PDH:** 1

**128. Public Speaking for Engineers and Public Officials: REVAMPED**

The presentation will cover some key do's and don'ts when presenting topics and ideas to the public as well as local councils or commissions. Learn how to be confident, tell stories, and engage an audience.

**SPEAKER(S)**

Tim Jensen, The Veridus Group

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**TIME:** 4:00-4:50 PM

**ROOM:** STEW 320

**PDH:** 1

**129. Listening to Your Community: Understanding What Success Means**

How do residents truly feel about their community? In this presentation, leaders will explore the factors that shape quality of life and community identity from public spaces to safety and opportunity. By examining how people rate their own hometowns, participants will uncover insights into what drives satisfaction and engagement. The discussion will focus on how understanding community perceptions can guide better planning, stronger partnerships, and a shared vision for improvement.

**SPEAKER(S)**

Ben Lipps, Town of Cumberland  
Aaron Smith, City of Noblesville  
Kody Leach, Civitas Strategies

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March 18, 2026

**Wednesday**

# Electric & Connected Vehicles

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**TIME:** 8:00-8:50 AM

**ROOM:** STEW 214 CD

**PDH:** 1

## 130. Navigating Alternative Fuels in Trucking and Local Fleets

**The “Messy Middle” of Alternative Fuels for Trucks:** In late 2025, the North American Council for Freight Efficiency (NACFE) conducted its fifth demonstration of the best in the trucking industry: 13 fleets running battery electric, hydrogen fuel cell, compressed natural gas/renewable natural gas, pure biodiesel, renewable diesel and regular ultra-low-sulfur diesel. In this session, learn more about the details from infrastructure to vehicle performance in real tractor-trailer operations in North America.

**SPEAKER(S)**

Dave Schaller, NACFE

**Alternative Fuels Around Indiana and Among the Fleets:** The number of battery electric and alternative fuel vehicles, including EVs and plug-in hybrids, are increasing on our roadways. Auto industry and technology advances are also allowing effective new use cases in private and public fleets including school buses, police cars, and work trucks. Indiana organizations are deploying and learning about how emerging technologies can integrate into their operations. In this session, a panel of in-state experts will profile current initiatives including Indiana’s Green Fleet Program.

**SPEAKER(S)**

George McCue, INDOT

Ryan Lisek, Drive Clean Indiana

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March 18, 2026

**Wednesday**

# Electric & Connected Vehicles

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**TIME:** 9:00-9:50 AM

**ROOM:** STEW 214 CD

**PDH:** 1

## 131. Segment Mobility and Signal Performance: Leveraging CV Metrics

### **Signal Performance in Practice: A Picture Book Approach on Connected Vehicle Performance**

**Measures Reports for Signalized Corridors:** This presentation will explore how Connected Vehicle (CV) signal performance metrics can be integrated into quarterly business reviews to enhance operational insight and strategic alignment. By translating intersection-level data into actionable intelligence, agencies can improve decision-making, track progress toward mobility goals, and foster cross-departmental collaboration. The approach bridges transportation analytics with internal performance frameworks, enabling smarter, data-driven reviews that reflect real-world traffic conditions.

#### **SPEAKER(S)**

Christopher Gartner, Purdue University

Matt Sagstetter, INDOT

### **Systemwide Granular Segment Level Traffic Mobility and Safety Performance Metrics Using**

**Connected Vehicle Data:** Connected vehicle (CV) data is an emerging data source that provides richer, higher fidelity, scalable, and timelier information. However, the sheer volume of CV data requires additional skills in processing “big data.” In its raw form, these data can be challenging for many state and local agencies to efficiently process and extract insightful information. This presentation will describe a novel framework that derives mobility- and safety-related measures at 0.1-mile segment resolution. We will highlight the practical use cases of these measures in day-to-day operations as well as provide agency perspectives.

#### **SPEAKER(S)**

Rahul Sakhare, Purdue University

Taylor Ruble, INDOT

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March 18, 2026

**Wednesday**

## **Electric & Connected Vehicles**

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**TIME:** 10:00-10:50 AM

**ROOM:** STEW 214 CD

**PDH:** 1

### **132. Charging the Crossroads is Back! NEVI 2.0**

Following a federal pause, the National Electric Vehicle Infrastructure (NEVI) program has resumed under new, streamlined federal guidance. Indiana's program, Charging the Crossroads, aims to build out the state's fast-charger network and bring more benefits to Hoosier communities. In this presentation, we will provide an update on the program and award projects.

**SPEAKER(S)**

George McCue, INDOT

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**TIME:** 12:00-12:50 PM

**ROOM:** STEW 214 CD

**PDH:** 1

### **133. In-Cab Applications to Drive Commercial Vehicle Safety**

This session will explore the emerging use cases for in-cab technology that INDOT is actively integrating into operations to improve safety on the state network. INDOT is investing in safety through the use of DriveWyzé Slowdown alert service and is exploring other services to alert commercial freight of hazards on the network. In addition, INDOT is leaning into emerging use cases with Commercial Dash Cam imagery. We will discuss how after-action reports are developed for incidents and validated using these services.

**SPEAKER(S)**

Jairaj Desai, Purdue University

Mischa Kachler, INDOT

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March 18, 2026

**Wednesday**

# Electric & Connected Vehicles

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**TIME:** 1:00-1:50 PM

**ROOM:** STEW 214 CD

**PDH:** 1

## **134. INDOT's First Vehicle to Everything (V2X) Deployment - Project Update**

This presentation will explore INDOT's first true V2X deployments on US 31 in Columbus as well as I-65 near the Columbus exits. Topics will include a foundational review of V2X, the National Deployment Guidance, and the project scope. We will explore where we are to-date with field tests and deployments and what to expect in 2026.

### **SPEAKER(S)**

Nathaniel Sturdevant, INDOT  
Yaobin Chen, Purdue University  
Ziran Wang, Purdue University

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 214 CD

**PDH:** 1

## **135. The Road Ahead: Scaling Truck Automation Across State Lines**

ODOT and INDOT's Truck Automation Corridor Project has driven a lot of miles in the last year. The platooning deployment is concluding while Level 2 recently began. This presentation will provide an overview of the systems, including successes, challenges, and lessons learned. Attendees will be invited to ask questions about the impacts of truck automation and share the benefits they have seen through their adoption and plans for scaling and continuing its use.

### **SPEAKER(S)**

Nathaniel Sturdevant, INDOT  
Maynard Factor, Kratos Defense Solutions  
Justin Arciaga, Ease Logistics  
Doug Bradle, Nussbaum

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March 18, 2026

**Wednesday**

## **Electric & Connected Vehicles**

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 214 CD

**PDH:** 1

### **136. Power in the Pavement: Dynamic Wireless Power Transfer's (DWPT) Successful Delivery**

INDOT, Purdue, and other Indiana partners collaborated to build West Lafayette's electrified roadway testbed which successfully demonstrated Dynamic Wireless Power Transfer (DWPT) technology with a Class 8 semi that received 200+kW of power directly from the road. In this presentation, learn about how DWPT evolved from concept to research to construction of a proving ground for world-class innovation. We will also describe next steps including the roadmap for the future of this exciting technology.

#### **SPEAKER(S)**

George McCue, INDOT

Steve Pekarek, Purdue University

John Haddock, Purdue University

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March 18, 2026

**Wednesday**

## Ethics

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**TIME:** 9:00-9:50 AM

**ROOM:** Loeb Theater

**PDH:** 1

### **137B. Indiana Statutes and Rules for Professional Engineering Licensure**

This session will explain the differences between the Indiana Code and the Indiana Administrative Code, selected statutes and rules applied to the practice of engineering, registration by comity, registrant's seal, computer-based testing for FE and PE exams, rules for continuing education, audits, board structure, and threats to professional licensure.

**SPEAKER(S)**

Tim Jensen, The Veridus Group

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**TIME:** 10:00-10:50 AM

**ROOM:** Loeb Theater

**PDH:** 1

### **138B. Professionalism and Ethics in the Practice of Engineering**

This presentation will provide an overview of ethics, including how they are formed and how professional engineers use them to make decisions in every situation.

**SPEAKER(S)**

Tim Jensen, The Veridus Group

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March 18, 2026

**Wednesday**

## **Human Capital/Leadership**

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**TIME:** 8:00-8:50 AM

**ROOM:** STEW 278

**PDH:** 1

### **139. Advancing INDOT's Maintenance Operations Through Digital Innovation**

INDOT is accelerating its operations with Domain: Maintenance Operations—a purpose-built software platform engineered to modernize how transportation assets are maintained across Indiana. Designed for field and central office teams, the system integrates geospatial data, real-time reporting, and predictive analytics to optimize resource allocation and response times. In this presentation, transportation professionals will gain insight into the platform's technical framework, deployment strategy, and its role in shaping a more agile, data-informed maintenance ecosystem.

#### **SPEAKER(S)**

Jansson Engleman, INDOT  
Justin Berger, INDOT  
Max Black, INDOT

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**TIME:** 9:00-9:50 AM

**ROOM:** STEW 278

**PDH:** 1

### **140. We Can Do It...And Did (And So Can You)**

Encouraging young girls to become interested in STEM occurs throughout elementary and secondary schools. Becoming a woman in the engineering industry after graduating college can seem like a daunting task. This panel session will include women who have broken molds, navigated challenges, and found success finding balance between their professional careers and their personal lives.

#### **SPEAKER(S)**

Andrea Sloan, GroundBreakers  
Jennifer Beck, INDOT  
Natalie Parks, Kimley-Horn and Associates, Inc.

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March 18, 2026

**Wednesday**

# Human Capital/Leadership

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**TIME:** 10:00-10:50 AM

**ROOM:** STEW 278

**PDH:** 1

## **141. Early Career Panel: The Value of Industry Involvement**

In this panel discussion, early-career professionals will share the importance and benefits of participating in industry organizations. Learn how involvement can shape careers and foster professional growth.

### **SPEAKER(S)**

Stephanie Ferzli, HNTB Corporation

Calvin Rizzo, HNTB Corporation

David Musoke, HNTB Corporation

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**TIME:** 11:00-11:50 AM

**ROOM:** STEW 278

**PDH:** 1

## **142. Women in Project Delivery**

Building on the collaborative successes of the Indiana Transportation Team, these industry-leading women have come together to dig into the details of what it means to be a woman in transportation. In this presentation, we will share our unique experiences in delivering traditional and alternative delivery projects and how those experiences have shaped us and our careers. The goal of this session is to dispel myths, share insights, and strengthen the community of women in transportation.

### **SPEAKER(S)**

Lyndsay Quist, INDOT

Sarah Rubin, Egis

Margi Brooks, Brooks Construction Company, Inc.

Kyanna Wheeler, INDOT

Junell O'Donnell, HNTB Corporation

Amy Henningfield, Superior Construction

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March 18, 2026

**Wednesday**

## **Human Capital/Leadership**

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**TIME:** 1:00-1:50 PM

**ROOM:** STEW 278

**PDH:** 1

### **143. Building the Future Workforce Through WorkINRoads**

In this session, industry and high school leaders will discuss the innovative Civil Construction Pathway that is paving the way for future construction careers. Currently in 17 high schools across Indiana, WorkINRoads is preparing students for a life in civil construction whether directly in the field or as background for their pursuit of a higher education degree.

#### **SPEAKER(S)**

Eric Fisher, Indiana Constructors, Inc.

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 278

**PDH:** 1

### **144. Young Professionals as Catalysts: Driving Innovation and Organizational Growth**

Today's young professionals (YPs) enter the workforce fluent in AI and digital tools, bringing fresh insight that reshapes how organizations make decisions and deliver projects. This session will explore how YPs apply classroom-taught technologies to real-world challenges—leading pilots, influencing business strategy, and fostering inclusive cultures. Through the lens of Organizational Citizenship Behavior, we'll examine how YPs' voluntary efforts—rooted in community, collaboration, and curiosity—are redefining innovation, leadership, and organizational growth across the transportation industry.

#### **SPEAKER(S)**

Dolan McMillan, Stanley Consultants  
Ryan Delves, Stanley Consultants  
Kusai Contractor, Stanley Consultants

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March 18, 2026

**Wednesday**

## **Human Capital/Leadership**

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 278

**PDH:** 1

### **145. Building a Vitalizing Team Culture**

Leaders in the public sector face unique challenges in the recruitment and retainage of productive employees. This presentation will provide an analysis of the strategies used in the City of Bloomington to shape a high performing team. We will examine mutable and designed aspects of processes for advertising, interviewing, hiring, onboarding, and exit interviewing. Attendees will learn strategies for stimulating professional growth, fostering intradepartmental collaboration, and building resilient culture.

#### **SPEAKER(S)**

Andrew Cibor, City of Bloomington  
Iris Bull, City of Bloomington

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**TIME:** 4:00-4:50 PM

**ROOM:** STEW 278

**PDH:** 1

### **146. Making STEM Sexy: Solving Civil Engineering's Workforce Challenges**

A cultural change is necessary to address engineering's primary workforce challenge: Fewer students are entering the profession as aging workforce is rapidly leaving, and 40% of STEM students switch majors or do not finish. This panel will include energetic discussions and solicit audience feedback with a focus on attracting new talent to the profession through Mentorship, developing Next Generation Leaders, and expanding STEM Curriculum to include New Technology.

#### **SPEAKER(S)**

Tim Anheuser, Kapur and Associates  
Dan McCoy, RL McCoy  
Patrick Zaharako, City of Fort Wayne  
Stephanie Wagner, INDOT

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March 18, 2026

**Wednesday**

## Local Agency

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**TIME:** 8:00-8:50 AM

**ROOM:** STEW 314

**PDH:** 1

### **147. Navigating Local Preferences in Transportation Projects**

Local projects differ from INDOT work in pace, communication, and local public expectations. Understanding local design preferences strengthens collaboration between consultants, INDOT, and municipalities. This session will highlight coordination challenges, utility considerations, and effective community engagement strategies. Attendees will gain practical tools to navigate local processes, respect community environments, and deliver transportation projects that balance technical quality with local values.

#### **SPEAKER(S)**

James Hellmann, City of Noblesville  
Andrew Rodewald, City of Noblesville  
Deon Ochoa, City of Noblesville

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**TIME:** 9:00-9:50 AM

**ROOM:** STEW 314

**PDH:** 1

### **148. Draining Fountain Square with Alternate Delivery**

Indianapolis DPW has started construction on major drainage improvements in one of its oldest neighborhoods, Fountain Square. Building on lessons learned from similar projects in built-up, commercial areas, DPW decided to use an alternate delivery method to procure construction services. This session will provide a high-level review of Indiana's Public-Private Agreement statute (I.C. 5-23), how DPW applied it to the Fountain Square project, lessons learned, and how DPW plans to use this innovative delivery method for future projects.

#### **SPEAKER(S)**

Jason Koch, WSP USA  
Mark St. John, City of Indianapolis  
Natalie Stephen, City of Indianapolis

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March 18, 2026

**Wednesday**

## Local Agency

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**TIME:** 10:00-10:50 AM

**ROOM:** STEW 314

**PDH:** 1

### **149. Compliance Monitoring: Protecting Local Infrastructure**

As counties see more complex projects—solar farms, data centers, and other large developments—how do we ensure local infrastructure is protected and compliance is maintained? Traditional inspection services focus on construction, but Compliance Monitoring bridges the gap between developers and communities. This session will explore how this service benefits local governments, lessons learned in the field, and how proactive monitoring creates stronger outcomes for all parties involved.

#### **SPEAKER(S)**

Tim Hollandsworth, VS Engineering

Ginny Munroe, VS Engineering

Ryan Hilton, Jasper County

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**TIME:** 11:00-11:50 AM

**ROOM:** STEW 314

**PDH:** 1

### **150. Management of Roadway Network Restrictions**

Fort Wayne Public Works managed more than 2,100 requests to restrict its roadway network in 2024 and was projected to do so again in 2025. This presentation will provide an overview of the permitting system and describe common restriction requests such as construction, utility installations, building maintenance, festivals, and special events. The City has developed a multifaceted communications strategy to convey restrictions to the public which includes development of an interactive website, geographically customizable daily email bulletins, and interlocal coordination.

#### **SPEAKER(S)**

Philip LaBrash, City of Fort Wayne

James Reitz, City of Fort Wayne

Ethan Black, City of Fort Wayne

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March 18, 2026

# Wednesday

## Local Agency

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**TIME:** 1:00-1:50 PM

**ROOM:** STEW 314

**PDH:** 1

### **151. Madison County's Toolbox for Innovative Pavement Management**

Madison County is taking asset management beyond the basics with a new, data-driven effort focused on comprehensive network improvement. By exploring roadway asset management with scenario-based tools, the County is building their capacity to predict the performance of roads and treatment options. This presentation will highlight the County's journey, the tools they have adopted, and the insights they are gaining to better manage their transportation network.

**SPEAKER(S)**

Megan Schuetz, Avenew

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**TIME:** 2:00-3:50 PM

**ROOM:** STEW 314

**PDH:** 2

### **152. INLTAP's Local Agency Roundtable for County Engineers and Supervisors**

Join your peers in roundtable discussions focused on the top challenges faced by county engineers and supervisors. Facilitated by experienced industry experts, this session will provide a space to collaborate on topics such as communication strategies, road funding, workforce development, and retention. In the session, exchange ideas, share experiences, and develop actionable solutions to address the unique demands of managing county-wide infrastructure and public works. Gain insights from both experts and fellow professionals and leave with fresh perspectives to implement in your community.

**SPEAKER(S)**

Nicole Broch, Bliss McKnight, Inc.

Nick Irmeger, Bliss McKnight, Inc.

Kathy Eaton-McKalip, INDOT

Jennifer Sharkey, Purdue University

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March 18, 2026

**Wednesday**

## **Local Agency**

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**TIME:** 4:00-4:50 PM

**ROOM:** STEW 314

**PDH:** 1

### **153. Take the Guesswork Out of Your Small Structures!**

Your small structures are valuable assets, which is why having real-time access to your inventory is critical. The presentation will provide case studies on a web-based tool, demonstrating how easy it is to track maintenance of small structures, record deficiencies and safety concerns, evaluate replacement priorities, and generate reports. This information is especially useful for budgeting and allocating funds through a fiscal body.

#### **SPEAKER(S)**

Rob Coop, USI Consultants, Inc.

Jason Peters, Marshall County

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March 18, 2026

**Wednesday**

# Maintenance & Operations

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**TIME:** 8:00-8:50 AM

**ROOM:** STEW 310

**PDH:** 1

## **154. Development of a Low-Cost LiDAR for Mapping Roadside Culverts**

In this presentation, we will discuss the development of a LiDAR-based monitoring system for culvert inspection to improve INDOT asset management. The presentation will also detail how LiDAR, GNSS/INS, and FPV cameras units are installed on a remotely controlled vehicle to support precise mapping in global navigation satellite systems and illumination-challenging environments.

### **SPEAKER(S)**

Ayman Habib, Purdue University

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**TIME:** 9:00-9:50 AM

**ROOM:** STEW 310

**PDH:** 1

## **155. Slides on Slides: Multidisciplinary Approach to Landslide Solutions**

Landslides pose unique technical and logistical challenges for asset managers, engineers, and project managers. Along SR 156 in Switzerland County, landslide corrections were implemented by a team of project managers, geotechnical experts, and structural engineers. This presentation will walk attendees through a multidisciplinary approach to the development of landslide corrections in this real-world example, including the design of a drilled pier retaining wall with tiebacks, working around existing landslide corrections, and risk management.

### **SPEAKER(S)**

Joey Franzino, INDOT

Malek Smadi, GEOTILL Engineering, Inc.

Rick Perry, Egis

Ryan Whelchel, Egis

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March 18, 2026

**Wednesday**

# Maintenance & Operations

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**TIME:** 10:00-10:50 AM

**ROOM:** STEW 310

**PDH:** 1

## **156. Damping Danger: Extending Light Pole Fatigue Life**

Traffic, sign, and lighting structures are highly flexible and prone to wind-induced vibration, which can cause fatigue and reduce lifespan. This session will explore vibration mitigation in real-world applications. Attendees will learn about wind-induced vibration fundamentals, AASHTO fatigue design, damper design, analytical prediction, and field performance, highlighting how innovative vibration control enhances the safety, longevity, and resilience of traffic and lighting infrastructure.

### **SPEAKER(S)**

Carl Macchietto, Valmont Industries

Matt O'Brien, The Will Group

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**TIME:** 1:00-1:50 PM

**ROOM:** STEW 310

**PDH:** 1

## **157. Ohio Department of Transportation Research: Benefit Analysis of Barrier Inlet Screens**

This presentation will highlight an ODOT study on the effectiveness of screening devices at preventing large trash and debris from entering stormwater inlets along highway median barriers. Once large debris has entered the inlet opening, it can cause severe blockages within the underground storm sewer, resulting in drainage system backups and flooding. This presentation will reveal the details and results of the study.

### **SPEAKER(S)**

Alec Grimm, ms consultants, inc.

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March 18, 2026

**Wednesday**

## **Maintenance & Operations**

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 310

**PDH:** 1

### **158. AI-Driven Pavement Insights to Actionable Work Orders**

Across the US, public works teams are modernizing road maintenance with data instead of guesswork. This session will showcase how municipalities use AI-powered pavement assessments to create objective condition ratings, identify priorities, and automatically generate work orders. Featuring a real-world case study with a county partner, attendees will learn how this integrated approach improves transparency, optimizes budgets, and accelerates repairs—turning everyday road data into smarter infrastructure decisions.

**SPEAKER(S)**

Slater Rush, vialytics

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March 18, 2026

**Wednesday**

# Maintenance & Operations

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 310

**PDH:** 1

## 159. Utilizing CV Data and Truck Imagery for Roadway Monitoring

**Evaluation of Asset Identification Technology Utilizing Truck Images:** Commercial trucks travel more than 300 billion miles annually in the US. More than 60,000 of these commercial trucks are capable of sharing on-vehicle dashboard camera images. Such imagery can provide agencies with an agile framework for monitoring, assessment, and inspection of roadways. This presentation will describe the systematic use of dash camera images for identification and inventory of highway assets such as signage, guardrails, barriers.

### **SPEAKER(S)**

Rahul Sakhare, Purdue University

Andrew Thompson, Purdue University

Nathaniel Sturdevant, INDOT

## **Work Zone Performance Measures Derived from CV Data That Map Into the FHWA Rule on Work Zone Safety and Mobility:**

This presentation will discuss the final rule updating the 23 CFR Part 630 Subpart J on Work Zone Safety and Mobility from November 1, 2024. The FHWA-issued update details the performance measures and reporting requirements and suggests that state agencies shall define formal performance measures that could be tracked consistently for continuity of work zone program management across states. We will highlight the emergence of connected vehicle data as a scalable approach for agencies to calculate and monitor the performance measures defined in the CFR.

### **SPEAKER(S)**

Rahul Sakhare, Purdue University

John McGregor, INDOT

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March 18, 2026

**Wednesday**

# Multimodal Transportation

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**TIME:** 8:00-8:50 AM

**ROOM:** STEW 306

**PDH:** 1

## **160. Developing Visions for Indiana Statewide Corridors**

This presentation will review INDOT's Statewide Corridor Planning Study which develops visions for non-interstate, statewide mobility corridors. Using a data-driven performance-based approach, the study identifies corridor needs and trends towards improvement strategy recommendations. We will discuss how INDOT leverages the study to continuously expand its public engagement efforts in support of enhanced comprehensive planning and integrate crowdsourcing technologies for enhanced public/stakeholder surveys and how an interactive GIS online tool is also under development for data access, visualization, and sharing.

### **SPEAKER(S)**

Catherine Seely, INDOT

Johnny Han, Corradino, LLC.

Shengnan Lou, Corradino, LLC.

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**TIME:** 9:00-9:50 AM

**ROOM:** STEW 306

**PDH:** 1

## **161. Outline the Future for Freight and Logistics in Indiana**

INDOT is updating its statewide multimodal freight plan. The plan will comply with federal requirements and meet INDOT's freight planning goals. The presentation will review the study roadmap and will provide a status update, including goals and objectives, freight assets and demands, identification of freight-related issues and trends, recommendation of solutions and strategies, and development of an Investment Plan. Statewide freight stakeholders and logistics industry are heavily involved during the development of the plan.

### **SPEAKER(S)**

Leslie Morgan, INDOT

Johnny Han, Corradino, LLC.

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March 18, 2026

**Wednesday**

# Multimodal Transportation

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**TIME:** 10:00-10:50 AM

**ROOM:** STEW 306

**PDH:** 1

## **162. Railroad Open Forum**

In this panel session, railroad stakeholders will discuss how to coordinate projects with railroads, issues in the railroad industry, and more. The panel provides an opportunity to open conversations and communication channels between the state, municipalities, industries, and rail.

### **SPEAKER(S)**

Darcel Irby, Norfolk Southern

Jeff Murphy, Norfolk Southern

Brandi Redd, INDOT

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**TIME:** 12:00-12:50 PM

**ROOM:** STEW 306

**PDH:** 1

## **163. Northern Indiana Commuter Transportation District (NICTD) South Shore Line Realignment Project Update**

This presentation will provide a status update on the NICTD South Shore Line Realignment Project which aims to provide a quicker, safer, and more efficient route for commuters to travel between South Bend and Chicago. The South Shore Line station will move from the east to the west side of South Bend International Airport, reducing rail travel time and increasing safety. We will discuss the project improvements including a platform/airport waiting room, grade separation, and reduction in the number of at-grade crossings along the proposed route.

### **SPEAKER(S)**

Anthony Glenn, DLZ Corporation

Alison Brooks, AECOM

Robin Martel, Wight & Company

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March 18, 2026

**Wednesday**

# Multimodal Transportation

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**TIME:** 1:00-1:50 PM

**ROOM:** STEW 306

**PDH:** 1

## **164. Mishawaka Riverwalk and Link Across the Cedar Street Bridge**

The St. Joseph River is the most prominent geographic feature within the City of Mishawaka. The City has made extensive strides to improve the communities access to this tremendous resource. In this presentation, we will highlight the latest extension of the riverwalk and the connections it forms.

### **SPEAKER(S)**

Michael Kummeth, DLZ Corporation

Sara Huss, DLZ Corporation

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 306

**PDH:** 1

## **165. Fueling the Transportation Future with Hydrogen Energy**

Hydrogen energy is emerging as a pivotal solution for decarbonizing fleets and transit systems. CityBus, the Greater Lafayette Public Transportation Corporation, is leading the way in innovative infrastructure and clean mobility. Supported by an \$18 million “Low and No Emission” grant, CityBus is deploying eight NewFlyer fuel-cell electric buses, constructing an on-site hydrogen refueling station, and upgrading facilities. This presentation will describe how the project advances zero-emission transit but also addresses the challenges that come with pioneering new technology.

### **SPEAKER(S)**

Ram Rajadhyaksha, DLZ Corporation

Bryan Smith, City Bus of Greater Lafayette

Kurt Schmiegel, DLZ Corporation

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March 18, 2026

**Wednesday**

# Multimodal Transportation

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 306

**PDH:** 1

## **166. Navigating Curb Ramps: Public Right-of-Way Accessibility Guidelines, INDOT, and Local Preferences**

Curb ramps: the more you know, the less you know. In this presentation, dig into the nitty gritty of curb ramp design including how to comply with federal law, how to navigate INDOT's additional requirements, and how to incorporate local preferences. We will share lessons learned and the City of Bloomington's local curb ramp preferences so you can know every ramp built in your community is both fully compliant with the law and optimally designed for the end user.

### **SPEAKER(S)**

Kendall Knoke, City of Bloomington

Neil Kopper, City of Bloomington

Joe Streeter, WSP USA

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March 18, 2026

**Wednesday**

# Pavements

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**TIME:** 8:00-8:50 AM

**ROOM:** STEW 218 AB

**PDH:** 1

## **167. Pavement Longevity: Utilizing Geosynthetics for Moisture Control**

**Improving Moisture Resistance/Control of Pavement Foundation Systems via Geosynthetics:** This presentation will introduce woven wicking geotextiles as a solution for improving pavement resilience in wet-freeze climates. These geotextiles address moisture-induced foundation damage by creating a suction gradient to remove water from both saturated and unsaturated soils, effectively mitigating frost heave and thaw weakening. We will discuss how this technology improves lateral drainage, reduces frost distress, and promotes long-term foundation uniformity and stiffness.

**SPEAKER(S)**

Bora Cetin, Michigan State University

**An INDOT 918.02(d) Geotextile for 100-Year Pavement Systems:** Transportation Research Board (TRB) Circular E-C296 published in November 2024 discussed the design and construction of pavement foundations aimed at achieving a lifespan of 100 years. Underscoring the importance of innovative materials, a critical aspect addressed is moisture control. This presentation will discuss the influence on hydraulic properties of the structural section, utilizing an INDOT 918.02(d) Moisture Management Geotextile to increase service life in pavement foundation systems. The presentation will also include INDOT project case studies.

**SPEAKER(S)**

Santino Piccoli, Solmax

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March 18, 2026

Wednesday

# Pavements

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**TIME:** 9:00-9:50 AM

**ROOM:** STEW 218 AB

**PDH:** 1

## 168. Pavement Monitoring: Integrating Edge Computing and High-Speed Deflectometry

**SPR 4863: Development of Traffic Speed Deflectometer Program for Indiana:** This presentation will provide an update on a joint INDOT–Purdue Traffic Speed Deflectometer (TSD) Vehicle project. The TSD is built from a modified Ford F-650 and Measure Deflectometer device. The TSD will enhance INDOT’s FWD measurement program with continuous, at-speed structural profiling, supporting rehabilitation decisions, diagnose failure mechanisms, and validate new corridors. Topics include the truck and laser integration, calibration process, Avena-based data pipeline, and early findings.

### **SPEAKER(S)**

Andrew Balmos, Purdue University  
Kerem Fors, Purdue University  
Tommy Nantung, INDOT

**AvenaRS: Scalable Edge System for Intelligent Pavement Monitoring:** This presentation will introduce Avena: Road Side (AvenaRS), an open-source, edge-computing system for continuous, automatic highway pavement monitoring. AvenaRS integrates subsurface sensors with a real-time vision system to contextualize traffic-induced wear, autonomously collecting and processing high-fidelity data at the edge. Its solar-powered, bandwidth-efficient design enables 24/7 operation in remote, network-constrained environments, providing a scalable and cost-effective solution for proactive pavement management and data-driven infrastructure maintenance.

### **SPEAKER(S)**

Anuska Das, Purdue University  
Andrew Balmos, Purdue University

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March 18, 2026

**Wednesday**

## **Pavements**

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**TIME:** 10:00-10:50 AM

**ROOM:** STEW 218 AB

**PDH:** 1

### **169. Asphalt “Mix” Busters**

Get ready to challenge assumptions and uncover the science beneath the surface. In the asphalt world, long-held beliefs often go unquestioned. Drawing from Mixbusters in Asphalt Magazine, this session will examine topics such as design thickness, reclaimed asphalt pavement (RAP), and construction best practices and their impact on pavement durability and performance. It is time to challenge the norm, build with confidence, and engineer for the future.

#### **SPEAKER(S)**

Jason Wielinski, Asphalt Institute

Elizabeth Pastuszka, Asphalt Pavement Association of Indiana

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**TIME:** 11:00-11:50 AM

**ROOM:** STEW 218 AB

**PDH:** 1

### **170. LiDAR for Engineers: More Than Mapping**

LiDAR is more than just survey data. This presentation will showcase creative uses of LiDAR including crack detection in tunnels and pavement, mechanically stabilized earth wall monitoring, work zone safety validations, pavement patching assessment, stitched drone imagery, digital as-builts, and even cell phone LiDAR for utility site visits. Attendees will explore how these tools enhance design, safety, and construction workflows—unlocking new value from high-resolution spatial data.

#### **SPEAKER(S)**

Jonathan Miranda, HNTB Corporation

Jonah Roleson, HNTB Corporation

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March 18, 2026

**Wednesday**

# Pavements

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**TIME:** 1:00-1:50 PM

**ROOM:** STEW 218 AB

**PDH:** 1

## **171. AI-Driven Pavement Condition Assessment Using Advanced Computer Vision**

Current US road inspection methods are often subjective, slow, and costly. This presentation details automated, cost-effective approach using a vehicle-mounted system to capture road surface data. We will discuss how the AI model detects and quantifies defects like potholes, alligator cracks, and transverse cracks while measuring characteristics like depth, volume, and severity. Attendees will learn how this process enables scalable, autonomous evaluation of pavement condition using standard metrics and can lead to more efficient roadway maintenance.

### **SPEAKER(S)**

Nikhil Vijaya Sankar, Purdue University  
Abhishek Subedi, Purdue University  
Malleswari Kachireddy, Purdue University

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 218 AB

**PDH:** 1

## **172. Weaponizing Risk: Data Revolution Fueling Pavement Management's Evolution**

Come join the evolution to risk-based pavement management! This presentation will reveal how integrating surface, structural, and subsurface data into a unified 3D pavement model transforms uncertainty into actionable insight. Combining comprehensive distress mapping, geophysical modeling, and structural analysis, engineers can better quantify risk, target precision repairs, and confidently estimate pavement life—stretching limited budgets further while sustaining critical airfields. Discover the data revolution redefining what “right” looks like in pavement management.

### **SPEAKER(S)**

Ryan Hill, Kimley-Horn and Associates, Inc.  
Stan Smith, Collier Geophysics  
Nate Corrales, Indianapolis Airport Authority

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March 18, 2026

**Wednesday**

## **Pavements**

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 218 AB

**PDH:** 1

### **173. The Long, Winding Tale of the SR 3 Cold-in-Place Recycling (CIR)**

Join us as we travel the long, winding road known as the SR 3 Pavement Rehabilitation project, which cocooned as a Pavement Maintenance Hot Mix Asphalt Overlay and emerged as a beautiful Cold-in-Place Recycling butterfly. Through project development to post-letting, enjoy this nail-biting saga as all stakeholders came together to hone in on the best pavement rehabilitation solution for this 11.5 mile corridor in Jennings County, gracefully balancing pavement longevity, construction cost, and constructability.

#### **SPEAKER(S)**

Paul Mykytka, WSP USA

Adam Koontz, HNTB Corporation

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**TIME:** 4:00-4:50 PM

**ROOM:** STEW 218 AB

**PDH:** 1

### **174. Pavement ME Design (PMED) Software: Recommended Inputs and Usage Guidance**

This presentation will provide practical guidance on selecting and calibrating recommended input levels in Pavement ME Design (PMED) for accurate performance predictions. Topics include material characterization, traffic, and climate data integration, highlighting common pitfalls and best practices. We will discuss case studies that illustrate how refined input selection improves reliability in pavement design, evaluation, and rehabilitation, offering participants actionable insights for implementing PMED effectively in agency and consultant practice.

#### **SPEAKER(S)**

Aksel Seitllari, Virginia Military Institute

Malek Smadi, GEOTILL Engineering, Inc.

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March 18, 2026

**Wednesday**

## **Project Management/Planning**

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**TIME:** 8:00-8:50 AM

**ROOM:** STEW 202

**PDH:** 1

### **175. Railroad Coordination 101**

This presentation will detail the railroad coordination process to include agreements, review process, schedule, RRA , Railroad Certification, special provisions, and close out. Attendees will hear perspectives from both INDOT and railroad owners.

#### **SPEAKER(S)**

Deborah Porter, Clark Dietz, Inc.

Kip Bunch, INDOT

David Farmer, INDOT

Gregory Fitzsimons, Benesch

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**TIME:** 9:00-9:50 AM

**ROOM:** STEW 202

**PDH:** 1

### **176. Drone Thermal Imaging for Environmental Practices in Transportation**

Drones are becoming increasingly common within the transportation industry, and the environmental side is no different. This presentation will explore the applications of thermal technologies in environmental projects. Drawing on experience utilizing this technology for wetland delineation, bat surveys, and wildlife vehicle collision analysis, we will discuss how thermal imaging can assist traditional field investigations and revolutionize the way we tackle complex problems.

#### **SPEAKER(S)**

Calvin Andries, Lochner

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March 18, 2026

**Wednesday**

# Project Management/Planning

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**TIME:** 10:00-10:50 AM

**ROOM:** STEW 202

**PDH:** 1

## **177. Innovative Scheduling Technologies**

This presentation will highlight innovative scheduling tools and techniques and explore how digital and smart technologies transform project controlling and decision making in the construction and engineering industry. We will describe the shift from traditional to smart scheduling, emphasizing the growing need for advanced digital tools in projects and showcasing how data-driven scheduling enhances accuracy, collaboration, and timely project delivery through practical examples and case studies from firms like WSP.

### **SPEAKER(S)**

Yashu Singh, WSP USA

Dominique Etheridge, WSP USA

Ankita Joshi, WSP USA

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**TIME:** 11:00-11:50 AM

**ROOM:** STEW 202

**PDH:** 1

## **178. Taking Advantage of Utility Coordination with Alternate Delivery**

Indianapolis DPW has started construction on major drainage improvements in one of its oldest neighborhoods, Fountain Square. This urban neighborhood has 150+ years of utilities, trolley tracks, and other underground infrastructure hiding underneath the streets. Design of a large diameter storm sewer along Shelby Street required a robust utility coordination effort to minimize risk and delays. This session will explore the benefits of utility coordination efforts under the alternative delivery method that DPW used to procure construction.

### **SPEAKER(S)**

Sandra Jones, WSP USA

Theresa Mendoza, City of Indianapolis

Shandra Huettl, WSP USA

Tricia Graham, City of Indianapolis

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March 18, 2026

**Wednesday**

# Project Management/Planning

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 202

**PDH:** 1

## **180. INDOT Professional Services Contracting System 6.0 Update**

INDOT has published a major update for the Professional Services Contracting System (PSCS) including enhancements. This presentation will highlight the changes to the RFP submittal process and ongoing contracting with INDOT professional services along with tips and tricks to better understand how PSCS can assist with contract management.

### **SPEAKER(S)**

Gretchen West, INDOT

Agatha Wagoner, INDOT

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**TIME:** 4:00-4:50 PM

**ROOM:** STEW 202

**PDH:** 1

## **181. Small Towns, Big Problems?**

Small-town projects can be incredibly rewarding, offering visible, immediate impacts for the community. However, they often come with unique design and environmental challenges. This presentation will explore transportation projects across small towns in Indiana and share key lessons learned to help you avoid common pitfalls on your next small-town project.

### **SPEAKER(S)**

Meghan Hinkle, WSP USA

Emily Chen, WSP USA

Nicholas Parsons, WSP USA

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March 18, 2026

**Wednesday**

## **Project Management/Planning**

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**TIME:** 8:00-8:50 AM

**ROOM:** STEW 279

**PDH:** 1

### **182. Tirami-SUE: A Recipe for Using Subsurface Utility Engineering (SUE) Data Successfully**

Leveraging Subsurface Utility Engineering (SUE) data as a design tool for conflict management helps to mitigate risk to a project during design. However, SUE data should be utilized from design through construction. Leveraging SUE data during construction can serve as a valuable damage prevention tool. This session will discuss how to share SUE data from design team to contractor, and how SUE data are leveraged by the utility coordinator, designer, contractor, inspector, and project owner.

#### **SPEAKER(S)**

Natalie Parks, Kimley-Horn and Associates, Inc.

Ken Slaninka, T2

Rhett Sloan, The Lexis Group

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**TIME:** 9:00-9:50 AM

**ROOM:** STEW 279

**PDH:** 1

### **183. Surge Modeling for Stormwater Management**

With more congestion near the surface, there is a need to convey and store stormwater in tunnels. There is also increasing need for tunnels due to larger and more intense storm events. This presentation will focus on mitigating risks through hydraulic modeling, ground conditions, and walk through real-world examples.

#### **SPEAKER(S)**

Robert Page, HNTB Corporation

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March 18, 2026

**Wednesday**

## **Project Management/Planning**

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**TIME:** 10:00-10:50 AM

**ROOM:** STEW 279

**PDH:** 1

### **184. INDOT's Post-Construction Stormwater Management: Program Updates and Evolving Practices**

This session will highlight key changes in INDOT's post-construction stormwater program over the past year. The presentation will focus on recent updates, evolving requirements, and practical implications for project teams. Attendees will gain insight into what is new, what is changing, and how to ensure their projects remain compliant with INDOT's program standards.

#### **SPEAKER(S)**

Jessica Eichhorst, HNTB Corporation  
Sandy Bowman, INDOT

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**TIME:** 11:00-11:50 AM

**ROOM:** STEW 279

**PDH:** 1

### **185. US 31 Limited Access: Coordination and Land Challenges**

This session will explore the US 31 Limited Access Conversion project, offering key insights into planning, stakeholder coordination, and right-of-way acquisition. We will explore the project's complexities, including business access impacts, excess land management and disposal, and unintended consequences that emerged throughout the process.

#### **SPEAKER(S)**

Andrea Langille, Butler, Fairman & Seufert, Inc.  
Jennifer Beck, INDOT  
Michael Kuehl, CMK Companies  
Adam Burns, CMT Infrastructure Professionals

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March 18, 2026

**Wednesday**

## **Project Management/Planning**

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**TIME:** 12:00-12:50 PM

**ROOM:** STEW 279

**PDH:** 1

### **186. Opportunities and Challenges: Right-of-Way Acquisition for Transportation Infrastructure**

This presentation will demystify the right-of-way (ROW) acquisition process for transportation projects. Attendees will learn decision-making strategies, milestones, and stages from appraisals to title clearance. Real-world examples from significant INDOT projects will illustrate common challenges like owner reluctance and condemnation. The session will offer practical advice and foster interactive discussions. Participants will gain strategies and appreciation for ROW's pivotal role in successful project delivery.

#### **SPEAKER(S)**

Monica Morgan, Egis  
Gabriel Becker, Egis  
Tiffany Lunsford, Egis

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**TIME:** 1:00-1:50 PM

**ROOM:** STEW 279

**PDH:** 1

### **187. US 20.1 in Amish Community Corridor, Elkhart County**

This presentation highlights a case study that covers a 4-mile rural road reconstruction from two to five lanes through poor soils, wetlands, and an Amish community. With 100+ driveways, endangered species, and limited drainage, the project required creative solutions to balance environmental, cultural, and engineering challenges.

#### **SPEAKER(S)**

Jen Goins, HNTB Corporation  
Mike Koch, INDOT  
Mike Wigger, Terracon Consultants, Inc.

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March 18, 2026

**Wednesday**

# Project Management/Planning

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 279

**PDH:** 1

## **188. ProPEL US 41: Identifying the Needs and Visions for All Users**

Discover how the ProPEL US 41 study brings planning and public engagement together from the start to help identify the future of this vital corridor and Terre Haute and Vigo County. This presentation will cover the study's objectives, methodology, community input, and coordination with INDOT.

### **SPEAKER(S)**

Dan Miller, HNTB Corporation

Corey Webb, INDOT

Kaitlyn Taylor, INDOT

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 279

**PDH:** 1

## **189. Opening the Door to Livestreaming Meetings**

In compliance with Indiana's Open Door Law, INDOT has added a livestreaming component to all public meetings and hearings. This presentation will cover current INDOT guidance and best practices, highlighting both how to fulfill this new requirement and provide a quality experience for streaming participants. Attendees are encouraged to come to this session with questions, feedback, and best practices for an interactive conversation about livestreaming meetings.

### **SPEAKER(S)**

Cassy Bajek, INDOT

Jordan Yaney, INDOT

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March 18, 2026

**Wednesday**

# Project Management/Planning

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**TIME:** 4:00-4:50 PM

**ROOM:** STEW 279

**PDH:** 1

## **190. Seasoning of Project Managers**

Too many teams are stuck—junior engineers lack support, mid-level mentors are gone, leaders stall, and projects suffer. Why? People commit to purpose, not just tasks. When engineers grasp the “why” behind leadership, they rise. In this presentation, we explain how to challenge engineers with ownership, guide them with mentorship, and immerse them in real decisions. The result: a repeatable model for growing confident, capable PMs—regardless of organizational structure. Learn how clarity in leadership inspires action.

### **SPEAKER(S)**

Dave Thurston, WSP USA

Patrick McCallister, WSP USA

Jessica Miller Lighty, INDOT

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March 18, 2026

**Wednesday**

# Public Relations/Communications

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**TIME:** 8:00-8:50 AM

**ROOM:** STEW 214 AB

**PDH:** 1

## 191. Utilizing PEL to Streamline Review, Make Decisions, and Improve Project Outcomes

**PEL Stories: Bridging Planning and Environmental Review:** This presentation will highlight stories from Planning and Environmental Linkages (PEL) projects, demonstrating how early planning can streamline environmental review and improve project outcomes.

### SPEAKER(S)

Blake Dollier, INDOT

Cameron Schuh, HNTB Corporation

**IndyPEL: Advancing Planning through Environmental Linkages:** This session explores the IndyPEL project, highlighting how Planning and Environmental Linkages (PEL) studies are shaping transportation decisions in Indiana. Attendees will learn about stakeholder engagement, data-driven planning, and lessons learned.

### SPEAKER(S)

Tim Miller, HNTB Corporation

Sandra Flum, INDOT

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March 18, 2026

**Wednesday**

## **Public Relations/Communications**

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**TIME:** 9:00-9:50 AM

**ROOM:** STEW 214 AB

**PDH:** 1

### **192. Test Drive Innovative Intersections—No Car Needed: Public Involvement That Works**

Step into innovative intersection design through immersive, hands-on experiences and real-world public involvement lessons. Get a first-person point of view as we show you what it's like to walk through our 30x50 ft tarps demonstrating a Displaced Left Turn and a Diverging Diamond. Come explore tabletop models of a Reduced Conflict Intersection (RCI) as well as a roundabout, and learn how these experiential tools help drivers and professionals understand how to navigate complex designs. The session also shares wins and lessons learned from a proposed rural RCI, highlighting how hyper-local involvement, early grassroots communication, and creative outreach reduced anxiety, built public confidence, and helped advance a high-profile safety improvement at one of the district's highest-priority intersections.

#### **SPEAKER(S)**

Brad Vannoy, Fishbeck

Nicole Minton, Lochmueller Group

Trevor Wieseke, Lochmueller Group

Michael MacNeill, INDOT

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March 18, 2026

**Wednesday**

## **Public Relations/Communications**

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**TIME:** 10:00-10:50 AM

**ROOM:** STEW 214 AB

**PDH:** 1

### **193. Public Speaking: Tips, Tricks, and Overcoming the Fear**

Does the thought of public speaking make you break out into a cold sweat? You're not alone! This interactive session will help you find your confidence. The focus is on practical tips, tricks, and guidelines to help you conquer your public speaking fears or grow the experience you already have. Strong communication matters and can help you in daily tasks, in growing your career, and in successful project delivery.

#### **SPEAKER(S)**

Richard Gilyeat, INDOT

Alex Schwinghamer, INDOT

Mindy Peterson, Parsons Corporation

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**TIME:** 11:00-11:50 AM

**ROOM:** STEW 214 AB

**PDH:** 1

### **194. Building a Better PowerPoint**

Are you communicating clear, effective messaging by means of impactful storytelling and visually engaging presentations? This session will focus on best practices for designing effective PowerPoint slideshows as well as delivering meaningful public speaking presentations. Level up your presenter skills with practical tips that speakers of all ages and backgrounds can take to heart.

#### **SPEAKER(S)**

Robert Hart, Purdue University

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March 18, 2026

**Wednesday**

## **Public Relations/Communications**

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**TIME:** 1:00-1:50 PM

**ROOM:** STEW 214 AB

**PDH:** 1

### **195. From Boomers to Zoomers: Closing the Communication Gap**

Effective communications help pave the way for success inside (and outside) the workplace. What we say and how we say it matters. Understanding generational communication can make a real difference in reducing misunderstandings and improving collaboration. This short crash course in understanding Boomers to Zoomers can help improve teamwork, productivity, morale, and the work being produced. Improve your communication and improve your relationships!

#### **SPEAKER(S)**

Cassy Bajek, INDOT

Mindy Peterson, Parsons Corporation

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 214 AB

**PDH:** 1

### **196. Closing the Loop: How Public Comments Shape Projects**

Have you often heard from members of the public that nothing they say matters? This presentation will focus on how the project owner and designer collaborate to actively address concerns from the public. We will discuss several recent transportation project examples where extensive public participation was sought, evaluated, and utilized. Panelists will demonstrate how to prepare successfully for public involvement and incorporate feedback into final project plans.

#### **SPEAKER(S)**

Summer Elmore, CHA Consulting, Inc.

Marie Spitler, Hanson Professional Services, Inc.

Andrea Langille, Butler, Fairman & Seufert, Inc.

Matt Lee, Hamilton County

JoAnn Wooldridge, INDOT

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March 18, 2026

**Wednesday**

# Public Relations/Communications

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 214 AB

**PDH:** 1

## **197. No One-Size-Fits-All in Public Outreach**

Effective public relations rely on tailored communication plans; however, one approach does not fit every community. This panel will highlight how communication strategies can be scaled to fit communities of any size and draws on real-world experiences from project managers and INDOT communication directors. Topics include coordinating between districts during overlapping projects, launching websites early, and collecting public feedback at the outset. Attendees will leave with practical tools to improve outreach, reduce confusion, and foster transparency in transportation and infrastructure planning.

### **SPEAKER(S)**

Richard Gilyeat, INDOT

Ken Olson, American Structurepoint

Lauren Waite, Michael Baker International

Megan DeLucenay, INDOT

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March 18, 2026

**Wednesday**

## Public Works

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**TIME:** 9:00-9:50 AM

**ROOM:** PMU 250/FACW

**PDH:** 1

### **198. Telling Your Infrastructure Story Through Lifecycle Planning**

Local governments face increasing pressure to maintain service levels amid aging infrastructure and limited funding. Lifecycle Planning and Modeling provide a data-driven framework to quantify asset condition, criticality, and performance while optimizing long-term reinvestment strategies. This presentation will demonstrate how integrating engineering and financial data enables prioritization of maintenance and capital projects, improves cost-efficiency, and supports transparent communication of service level tradeoffs to decision-makers through visual storytelling and scenario modeling.

#### **SPEAKER(S)**

Keith Pugh, WithersRavenel  
Craig Roach, WithersRavenel

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**TIME:** 10:00-10:50 AM

**ROOM:** PMU 250/FACW

**PDH:** 1

### **199. Are You Listening? Communicating Effectively with Elected Officials**

In this presentation, attendees will gain practical insights on communicating infrastructure priorities and budget realities to elected officials. We will explore how to craft compelling messages, navigate council dynamics, and use data and storytelling to foster understanding and support. Additional topics include strategies for delivering difficult news; maintaining productive relationships; and becoming confident, influential advocates for Public Works departments.

#### **SPEAKER(S)**

Keith Pugh, WithersRavenel  
Craig Roach, WithersRavenel

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March 18, 2026

**Wednesday**

## Public Works

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**TIME:** 12:00-12:50 PM

**ROOM:** PMU 250/FACW

**PDH:** 1

### **200. Prioritizing Municipal Pavements with Data**

The Indianapolis Department of Public Works has developed a new data-driven approach to prioritize pavement resurfacing needs in Indianapolis. The approach considers pavement condition, traffic, citizen feedback, and safety, and it relies on both real-world and modeled data. This presentation will outline how the scoring process was developed, what these scores tell us, and how we can use them for real-world decision-making.

#### **SPEAKER(S)**

Peter Flynn, HNTB Corporation

Jack Sinton, HNTB Corporation

Mark St. John, City of Indianapolis

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**TIME:** 1:00-1:50 PM

**ROOM:** PMU 250/FACW

**PDH:** 1

### **201. Lion, Otter, or Beaver Retriever?**

Every workplace is a blend of personalities: decisive Lions, enthusiastic Otters, loyal Golden Retrievers, and detail-driven Beavers. This presentation will help you identify your own style and better understand those around you, leading to stronger communication, improved collaboration, and greater team success. Through interactive examples, attendees will discover how each personality contributes unique value, how to navigate differences, and how to motivate and influence more effectively. It is a fun, memorable way to build stronger professional relationships.

#### **SPEAKER(S)**

Todd Morrison, University of Kentucky

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March 18, 2026

**Wednesday**

## Public Works

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**TIME:** 2:00-2:50 PM

**ROOM:** PMU 250/FACW

**PDH:** 1

### **202. Expanding and Maintaining a Sidewalk Network**

Fort Wayne Public Works manages an extensive sidewalk network requiring new sidewalk routes and repairing and replacing existing sidewalk. Since 2017, the City's New Route sidewalk program has built more than 16 miles of sidewalk next to its Collector and Arterial road network. In that same timeframe, the City has performed maintenance and replacement of more than 154 miles of existing sidewalk. This presentation will discuss the program's project scoping, project funding, and project delivery.

#### **SPEAKER(S)**

Philip LaBrash, City of Fort Wayne

Nick Jarrell, City of Fort Wayne

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**TIME:** 3:00-3:50 PM

**ROOM:** PMU 250/FACW

**PDH:** 1

### **203. Old Southside Streetscape Revitalization and Drainage Improvements**

This presentation will highlight the City of Indianapolis's Old Southside urban reconstruction project—a corridor transformation for 2.5 blocks of Meridian Street on the near southside of Indianapolis. The project reactivated the area, provided added mobility, incorporated traffic calming and streetscaping, addressed flooding concerns, and installed infrastructure needed for several adjacent developments. Stakeholder consensus and engagement was important to understand the desired outcomes of the project as well as convert their goals and ideas into a cohesive corridor.

#### **SPEAKER(S)**

Stacey Paul, Guidon

Cassie Reiter, CMT Infrastructure Professionals

Natalie Stephen, City of Indianapolis

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March 18, 2026

**Wednesday**

## **Public Works**

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**TIME:** 4:00-4:50 PM

**ROOM:** PMU 250/FACW

**PDH:** 1

### **204. Urban Streets that Enhance Quality of Life**

While the design of urban streets is important to move traffic safely and efficiently, their impacts to our urban spaces is critical on how these roadways are designed. This presentation will discuss the planning and design of urban streets that improve quality of life and increase property values for all adjacent land uses by evaluating design features such as target speeds, lane widths, lateral clearances and introducing landscaping, green infrastructure and public art.

#### **SPEAKER(S)**

Shan Gunawardena, City of Fort Wayne

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March 18, 2026

# Wednesday

## Safety

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**TIME:** 8:00-8:50 AM

**ROOM:** STEW 218 CD

**PDH:** 1

### 205. Safe Streets and Road for All (SS4A) and Regional Safety Collaboration to Vision Zero

**Future 3: Regional Safety Collaboration to Vision Zero:** This presentation will explore how the City of Rushville spearheaded a multicounty collaboration to develop a corridor-wide safety plan for State Route 3. Attendees will learn how SS4A grant funding, Vision Zero principles, and bypass alternatives shaped a data-driven strategy—despite the absence of an MPO or shared regional planning framework. This session will highlight how local leadership, safety and operational analysis, and stakeholder coordination converged to address high-injury corridors and deliver actionable safety priorities across disconnected communities.

**SPEAKER(S)**

Cheryl Franks, Lochmueller Group

Kate Múspell, Lochmueller Group

**Best Practices for Managing Multi-Jurisdictional Safe Streets and Road for All (SS4A) Projects in Urban and Rural Areas:** This presentation will summarize the approach needed to complete a SS4A project in both Urban and Rural Areas involving multiple jurisdictions. Topics covered in this presentation include an overview of best practices for stakeholder engagement and public involvement, data analysis techniques involving an equitable approach, methods for setting obtainable crash reduction goals, project prioritization using a matrix approach, and alignment with further funding objectives.

**SPEAKER(S)**

Michael Williamson, Kaskaskia Engineering Group

Bryan Donze, Kaskaskia Engineering Group

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March 18, 2026

**Wednesday**

## **Safety**

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**TIME:** 9:00-9:50 AM

**ROOM:** STEW 218 CD

**PDH:** 1

### **206. Let's Walk and Talk: Building Trust (and Better Projects) using Community Walk Audits**

This session introduces participants to the benefits gained from engaging in community-centered walking audits as practical tools for advancing quality active transportation projects and building trust with the public. Drawing from Health by Design's Indiana Road to Zero Academy, participants will join a facilitated walking audit near the Purdue campus to discuss common concerns and questions that these exercises address while demonstrating how collaborative notetaking can translate into better planning, engineering, and policy decisions that reflect the unique needs of the community.

#### **SPEAKER(S)**

Ashlyn Devine, Health by Design

Taylor Firestine, Health by Design

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March 18, 2026

# Wednesday

## Safety

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**TIME:** 10:00-10:50 AM

**ROOM:** STEW 218 CD

**PDH:** 1

### 207. Hard Braking & Driver Behavior on Indiana Interstates

**Evaluating Interstate U-Turn Occurrences and Impacts Using Connected Vehicle Trajectory Data:** This presentation will provide an overview of a statewide dataset of connected vehicle trajectories as well as estimated hard-braking events utilized to evaluate U-turn behaviors. We will discuss how this analysis helps prioritize safety performance, improve investments, and provide agencies with tactical monitoring options for less-than-ideal driver behavior.

**SPEAKER(S)**

Jairaj Desai, Purdue University  
Myles Overall, Purdue University  
Nathaniel Sturdevant, INDOT

**Quantifying Hard Braking Activity Occurring Prior to Secondary Crashes on Indiana Interstates:**

Secondary crashes are a nationally recognized problem. However, there are limited statistics on the relationship between primary and secondary crashes. With the emergence of connected vehicle data, new crash surrogates should as hard braking events have become available. This presentation will investigate the quantitative relationship between hard braking events, a reasonable point of data for crash risk, and secondary crashes

**SPEAKER(S)**

Justin Mukai, Purdue University

**Lessons Learned from the Weekly Indiana Work Zone Report:** This presentation will highlight the Weekly Indiana Interstate Work Zone Report that has been distributed weekly to more than 100 stakeholders for the past several years. By incorporating connected vehicle speeds, hard-braking events, crash reports, and dash camera imagery, it has allowed for rapid identification of mobility and safety issues and has given stakeholders the opportunity to make agile changes if needed. We will also discuss relevant case studies regarding maintenance of traffic changes and work zone improvements.

**SPEAKER(S)**

Myles Overall, Purdue University  
Mischa Kachler, INDOT

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March 18, 2026

**Wednesday**

# Safety

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**TIME:** 11:00-11:50 AM

**ROOM:** STEW 218 CD

**PDH:** 1

## **208. Developing the Central Indiana Vulnerable Road User Assessment**

The Indianapolis Metropolitan Planning Organization (IMPO) is developing Central Indiana's first ever regional Vulnerable Road User (VRU) Assessment. This presentation will present the scope, methodology, assessment results, and lessons learned from the process. We will focus on how the IMPO VRU Assessment differs from the region's overall Safe Streets and Roads for All planning and the Statewide VRU Assessment INDOT completed in 2023, as well as why communities might want to consider conducting their own assessments.

### **SPEAKER(S)**

Dan Malsom, Kimley-Horn and Associates, Inc.

Andrea Miller, Indianapolis Metropolitan Planning Organization

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March 18, 2026

**Wednesday**

# Safety

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**TIME:** 12:00-12:50 PM

**ROOM:** STEW 218 CD

**PDH:** 1

## 209. Kinetic Energy, Speed, and Safe System Approach

**The Safe System Approach in Planning Through Operations:** Discover the Safe System Approach—a progressive view of transportation safety centered on human vulnerability and network redundancy. This presentation will clarify key concepts and offer practical resources to help participants apply Safe System principles in their projects.

**SPEAKER(S)**

Jeremy VanVleet, Burgess & Niple, Inc.

**Targeting Speed in Design: A Safe System Approach:** To achieve a truly Safe System and eliminate severe crash outcomes on public roadways, transportation agencies must systematically manage the transfer of kinetic energy. Case studies from Hillsborough County, Florida, explore how incorporating the Safe Speed element of the Safe System Approach assists in delivery of context-sensitive vehicle speeds, a key factor in reducing the kinetic energy in collisions. Attendees will learn practical strategies for identifying and achieving safe target and design speeds.

**SPEAKER(S)**

Kevin McKeel, Burgess & Niple, Inc.

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March 18, 2026

**Wednesday**

# Safety

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**TIME:** 1:00-1:50 PM

**ROOM:** STEW 218 CD

**PDH:** 1

## **210. Successful Implementation of KYTC's Wrong Way Driving System**

While infrequent, crashes involving vehicles driving the wrong way on interstates and highways often cause serious injuries or fatalities. To address this issue, KYTC collaborated with partners to evaluate technologies for mainline and ramp detections and performed testing to identify solutions based on accuracy, dependability, maintenance, and system integration. This presentation will describe this life-saving program, the findings, and how these insights can be applied to other roadway systems.

### **SPEAKER(S)**

Kyle Chism, Parsons Corporation

Alex Gari, Parsons Corporation

Zack Neihof, Kentucky Transportation Cabinet

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**TIME:** 2:00-2:50 PM

**ROOM:** STEW 218 CD

**PDH:** 1

## **211. INDOT Safe Zones Update**

This presentation will provide an update on the delivery of the Automated Enforcement Pilot Program. This will include a status update for the delivery of the program and observed results.

### **SPEAKER(S)**

John McGregor, INDOT

Ben Snyder, RK&K

Ryan Huebschman, HNTB Corporation

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March 18, 2026

**Wednesday**

## **Safety**

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**TIME:** 3:00-3:50 PM

**ROOM:** STEW 218 CD

**PDH:** 1

### **212. AASHTOWare Safety Is Coming to Indiana**

This presentation will discuss how the Crash Query and Network Screening applications provide an integrated approach to traffic safety analysis. Crash Query enables users to generate real-time crash insights through interactive maps, charts, and downloadable reports. Network Screening complements this by ranking roadway segments and intersections based on crash frequency and severity, using color-coded standard deviation mapping. Together, these tools empower agencies to identify high-risk locations, prioritize improvements, and support data-driven decision-making for safer transportation networks.

#### **SPEAKER(S)**

David Martin, Numetric

Greg Olson, Numetric

Taylor Ruble, INDOT

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**TIME:** 4:00-4:50 PM

**ROOM:** STEW 218 CD

**PDH:** 1

### **213. Improving Safety in Lean Times**

Budgets are tight but people are still crashing on our roads. This session will share how to make safety improvements with limited budgets.

#### **SPEAKER(S)**

Rick Drumm

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March 18, 2026

**Wednesday**

# Traffic Operations

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**TIME:** 8:00-8:50 AM

**ROOM:** PMU 240/FACE

**PDH:** 1

## **214. LiDAR-Enabled Vehicle Inspection and Permit Verification**

This joint presentation with HyPoint Solutions and Illinois DOT will showcase how Illinois DOT has implemented HyPoint 3D LiDAR solutions to scan vehicles entering weigh stations. The system screens over-dimensional vehicles in real time for state trooper inspections; cross-references permits using WIM data, LPR, and USDOT readers; and flags only the vehicles needing further review. We will also share how the solution has increased throughput, improved safety, and reduced the risk of bridge collisions while ensuring permit compliance.

### **SPEAKER(S)**

John Caya, HyPoint Solutions

Geno Koehler, Illinois DOT

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March 18, 2026

**Wednesday**

# Traffic Operations

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**TIME:** 9:00-9:50 AM

**ROOM:** PMU 240/FACE

**PDH:** 1

## **215. Integrated Corridor Management and Dubuque STREETS Project**

**City of Dubuque STREETS Project:** Smart Traffic Routing with Efficient and Effective Traffic System (STREETS) is arguably the nation's most advanced regional arterial management solution. In addition to traditional arterial management functionality, STREETS utilizes real time modeling of the metropolitan area to analyze potential response plans and implement the plan that minimizes overall regional delay resulting from incidents or planned events. This presentation will highlight the City of Dubuque STREETS project.

### **SPEAKER(S)**

Abdullah Nafakh, Parsons Corporation

Joseph Brahm, Parsons Corporation

**Integrated Corridor Management: What's New in 2026?:** Integrated Corridor Management (ICM) brings agencies, modes, and technologies together to optimize travel across entire corridors. This presentation will explore the latest advancements transforming ICM from locations across the country and how they are leveraging connected vehicle data, AI-driven video analytics, adaptive signal timing, and transit integration to improve safety, mobility, and reliability. Learn how modern data fusion and decision-support tools enable proactive operations and seamless coordination across freeways, arterials, and multimodal.

### **SPEAKER(S)**

Preston Judkins, Parsons Corporation

Dave Ness, City of Dubuque, Iowa

Greg Brinster, Parsons Corporation

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March 18, 2026

**Wednesday**

# Traffic Operations

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**TIME:** 10:00-10:50 AM

**ROOM:** PMU 240/FACE

**PDH:** 1

## **216. Innovative Intersections and Interchanges: How, Where, and Why**

This presentation will cover the basics of innovative intersections, including how to identify good candidate sites, deciding between intersection alternatives, reviewing preliminary design and impact considerations, and more. We will also review updated case studies for several innovative intersections that INDOT has recently completed.

### **SPEAKER(S)**

David Reamer, INDOT

Nathan Shellhamer, INDOT

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March 18, 2026

**Wednesday**

# Traffic Operations

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**TIME:** 11:00-11:50 AM

**ROOM:** PMU 240/FACE

**PDH:** 1

## 217. LiDAR Systems for Traffic Signal Performance

**Deployment of LiDAR Sensors at Road Intersections for Traffic Signal Control:** This presentation will cover the installation of LiDAR sensors at road intersections for vehicle detection, identification of Vulnerable Road Users (VRU), and traffic signal control. The discussion will also include evaluating the performance of LiDAR-based vehicle detection for phase call operation tested against the Indiana Test Method (ITM) 934-15.

### **SPEAKER(S)**

Ayman Habib, Purdue University

**Field Implementation of LiDAR for Traffic Signal Detection:** Elkhart County deployed a LiDAR system in fall 2025 for traffic signal detection to replace an aging video system. In this presentation, we will share results of the test implementation, notes on field implementation, integration of the system in signal operations, and comments on system operation and performance since installation.

### **SPEAKER(S)**

Vincent DiVaccaro, Elkhart County  
Jay Grossman, Valparaiso University  
Charles McKenzie, Elkhart County

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March 18, 2026

**Wednesday**

# Traffic Operations

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**TIME:** 1:00-1:50 PM

**ROOM:** PMU 240/FACE

**PDH:** 1

## **218. Improvements in Waterborne Traffic Paint for Indiana**

INDOT has a new, improved specification for waterborne traffic paints that results in improved durability and the ability to apply traffic paint in colder weather. This presentation will review the road trials that were conducted to evaluate improved traffic paint application performance, how testing included post-application assessments of retro-reflectivity and durability, and how the improvements in traffic paint standards have allowed INDOT to convert from 4" to 6" lines statewide and extend the application season.

### **SPEAKER(S)**

Andrew Blackburn, INDOT

Joe Bruno, INDOT

Art Leman, Dow

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**TIME:** 2:00-2:50 PM

**ROOM:** PMU 240/FACE

**PDH:** 1

## **219. History of the Interstate System**

This presentation will provide a brief history of the Interstate System in Indiana and across the Nation—1956–2026: 70 years of the Interstate System.

### **SPEAKER(S)**

Steve Wuertz, INDOT

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March 18, 2026

**Wednesday**

# Traffic Operations

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**TIME:** 3:00-3:50 PM

**ROOM:** PMU 240/FACE

**PDH:** 1

## **220. The New Indiana MUTCD**

The updated Indiana MUTCD has many significant changes from the previous edition. This presentation will provide an overview of the changes from the previous edition and the variations between the federal MUTCD and the Indiana MUTCD. We will also discuss information on the target compliance dates and MUTCD-related changes to INDOT design guidance and standard specifications.

### **SPEAKER(S)**

Dave Boruff, INDOT

Joe Bruno, INDOT

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**TIME:** 4:00-4:50 PM

**ROOM:** PMU 240/FACE

**PDH:** 1

## **221. A Case Study: SR 62 Alternative Intersection Analysis**

The SR 62 Alternative Intersection Project included the evaluation of access and traffic operations for three intersections along SR 62 near Charlestown. In this presentation, we will discuss developing the traffic impact study, the analysis of alternative intersection types, and the resulting construction of the recommended improvements. In addition, we will touch on the required coordination with INDOT and CSX during the analysis and design phases of the project.

### **SPEAKER(S)**

Tony Fadoul, United Consulting

Marcus Bruce, INDOT

Terri Wills, INDOT

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