

The background is a collage of three images. The top left shows a white electric vehicle being charged by a station. The middle section shows the silhouettes of two construction workers in hard hats against a sunset sky, with a building under construction in the background. The bottom section shows a landscape with a blue pipe, rocks, and green plants.

The 39th Annual
CEPDS

November 21, 2024 @ Purdue University

CEPDS in a Nutshell

STEW = Stewart Center // PMU = Purdue Memorial Union

IMPORTANT ROOM LOCATIONS

- **PMU Ballrooms (1st Floor)** — Breakfast, Opening Session, & Lunch
- **STEW 218** — Hospitality Room with LTAP & ASCE Table
- **Stewart Center** — Tracks/Sessions (see track pages 6-15 for room #s)

STUDENTS, LOOK FOR THIS ROCKET!

This icon means that session is recommended for you by ASCE Younger Members. Learn about more opportunities at CEPDS on page 7.



WE WANT YOUR FEEDBACK!

Let the CEPDS planning committee know what works and can improve by scanning the QR code to the right or visit tinyurl.com/CEPDSFeedback!



INDIANA LTAP

LOCAL TECHNICAL
ASSISTANCE PROGRAM
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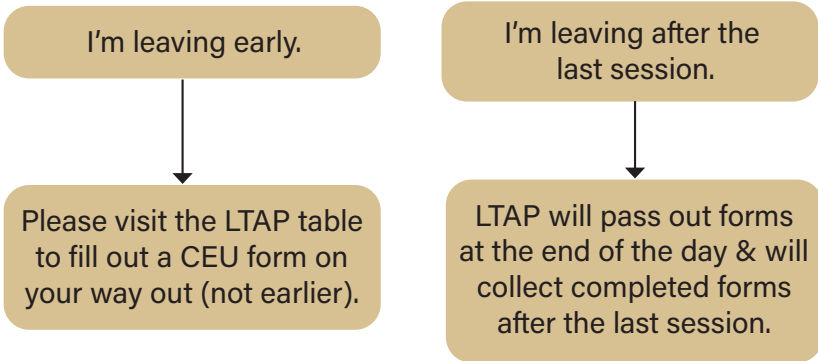
Your Road Map To Conference Credits

You will receive a CEU form at the end of the day. When it comes to receiving your educational credits (CEUs/PDHs/Road Scholar points), please remember the 3 Es:

Exit Equals Earnings

Simply put: when you turn in the form, the credit clock stops. Even if you plan on staying the whole day, you will only receive partial credit turning the form in early. **We want to ensure you receive all your credits!**

When are you leaving?



Credit certificates will be available for download three weeks after the conference. Please follow the instructions below to receive your certificate. If you have any issues, please email intlap@purdue.edu.

1. Sign into to our Learning Management System. *If you have never logged in before select the "Forgot your password?" link. Enter your work email address and select "Send Reset Link." Follow the email instructions to create a new password and gain access to the database.*
2. Select "My Credits" from the left side. For each event you will see a small medal icon on the right under actions.
3. Select that icon and your certificates should download as a PDF suitable to save and/or print.

Please email intlap@purdue.edu if you have any problems.

OPENING SESSION



PMU North/South
Ballroom



MODERATOR
Jennifer Sharkey
Indiana LTAP

Work Zones and the Visually Impaired

8:30 AM - 9:20 AM

Bosma Enterprises and the Indiana Department of Transportation will discuss their collaborative effort in making work zones safer and more accessible for the visually impaired.

Bosma Enterprises is a non-profit organization located in Indianapolis that provides solutions and opportunities to assist the visually impaired. They partner with businesses to provide products, supply chain management, and logistics to create jobs and training programs for people who are blind.

INDOT is working to ensure its programs and facilities are accessible. They strive to remove limitations and barriers where they are discovered. INDOT also works to improve state practices, programs and pedestrian facilities, and assist local communities in doing the same.

Come learn about the audible devices that INDOT and Bosma Enterprises have deployed in work zones across the state.

LUNCH PRESENTATION

Keynote & Honors

11:30 AM - 12:50 PM

Presentation of ITE Honorary Membership to Dr. Kumares C. Sinha

Keynote Speaker: Marsha Anderson Bomar
ASCE President-Elect

Installation of 2025 ASCE Indiana Section Officers

Special Announcement: Notre Dame ASCE
Student Chapter



**PMU North/South
Ballroom**



ASCE President-Elect

Marsha Anderson Bomar is currently the Interim Commissioner of the Atlanta Department of Transportation. Previously, she served as Assistant General Manager of the Metropolitan Atlanta Regional Transit Authority for Capital Program Delivery. Her expertise spans transportation planning, traffic engineering, land development, transit operations and capital programs. She is passionate about incorporating sustainability principles in projects and meeting at the intersection of community, transportation and sustainability.

Ms. Anderson Bomar has served as an elected official, Council member and Mayor Pro Tempore for the City of Duluth, Georgia and works to encourage others with a strong technical background to consider serving. Marsha is also featured as Extraordinary Woman Engineer in ASCE publication entitled, *Changing Our World, True Stories of Women Engineers*, and has served as President of the ASCE Transportation and Development Institute and as International Board member. Currently, she serves as the ASCE Treasurer.



STEWART
310



MODERATOR
Steve Osborn
CE Solutions



SPEAKER BIOS
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Leadership Development at Pepper Construction

9:30 AM - 5:00 PM

9:30 - 11:30 AM	Morning Session (with 15-minute break)
11:30 - 12:50 PM	Lunch
1:00 - 5:00 PM	Afternoon Session (with 15-minute break)

SPEAKERS

PEPPER CONSTRUCTION, INDIANAPOLIS, IN

Dan Peddicord, President

Dan Lowe, Executive Vice President

Mitch Denton, Executive Vice President

Chris Rayner, Senior Vice President

Deana Applegate, Vice President – HR

Paul Riehle, Vice President – Preconstruction

Mike Alder, Director – Virtual Construction

Sarah Thurman, Senior Manager – Learning and Development

Calvin Young, Senior Manager – High Performance

ASCE YOUNGER MEMBERS

Student-Focused Event Curated by ASCE Younger Members - Metro Indy

Metro Indianapolis's ASCE Younger Member Group has joined forces with the CEPDS committee to create a unique experience for students.



STEWART
218ABCD

9:30 AM - 10:20 AM 

Tele-Structions with ASCE President
ASCE Younger Members



MODERATOR
Alex Duran
DGL

3:00 PM - 3:50 PM 

ASCE Mini-Games and Trivia Competition



STUDENTS, LOOK FOR THIS ROCKET!

This icon means that session is recommended for you by ASCE Younger Members.

ASCE Younger Members focuses on matters of the professional development of civil engineers 35 years of age and younger and facilitate their engagement with and participation in the Society. Use this QR Code to learn more!

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TO STAY UP TO DATE



ASCE INDIANA SECTION
Metropolitan Branch
YOUNGER MEMBER GROUP

TRANSPORTATION I





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MODERATOR
Wing Lau
*American
Structurepoint*



SPEAKER BIOS
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	SESSION	SPEAKER(S)
8:30 AM	Opening Session	
9:30 AM	Design Manual Updates for Roundabouts	Andy Allison, United Consulting Mark Orton, INDOT
10:30 AM	Improving Safety and Mobility Along Cherry Lane 	Nick Murphy, American Structurepoint
11:30 AM	Lunch Keynote	
1:00 PM	Reduced Conflict Intersections & INDOT's PI Challenge	Stacey Osburn, HNTB
2:00 PM	Dynamic Wireless Power Transfer: Charge the Battery While You Drive 	John E. Haddock, Purdue University
3:00 PM	Pavement Foundations - Designing a Long-lasting Pavement	Kumar Dave, INDOT Nayyar Siddiki, INDOT

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TRANSPORTATION II

	SESSION	SPEAKER(S)
8:30 AM	Opening Session	
9:30 AM	New Asphalt Binders in Indiana: What is Changing and What do you Need to Know?	<i>Elizabeth Pastuszka, APAI</i>
10:30 AM	Applying Artificial Intelligence Tools to Reduce Transportation Construction Change Orders	<i>John Habermann, TTI</i> <i>H. David Jeong, TTI</i>
11:30 AM	Lunch Keynote	
1:00 PM	Mineral Aggregates for INDOT Applications	<i>Doug Corey, INDOT</i> <i>Aaron Aldred, INDOT</i>
2:00 PM	Navigating Organic Soils: Impacts on Pavement Treatments and Cost Savings 	<i>Vladimir Abou Sejaan, Terracon</i> <i>Kellen Heavin, Terracon</i> <i>Adam Higgins, Lochner</i> <i>David Solorzano, INDOT</i>
3:00 PM	Navigating the World of Urban Curb Ramps	<i>Jamie Stetzel, American Structurepoint</i> <i>Marcie Henry, INDOT</i> <i>Herbert Davis, INDOT</i>



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MODERATOR
Wyatt Huber
Kimley-Horn



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BRIDGE



STEWART
214AB



MODERATOR
Anne Rearick
INDOT



SPEAKER BIOS
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	SESSION	SPEAKER(S)
8:30 AM	Opening Session	
9:30 AM	Concrete Bridge Deck Durability: How Can We Do It?	<i>Rouzbeh Khajehdehi, WSP</i>
10:30 AM	Automated Pile Driving Data Collection & Dynamic Pile Load Test Data on INDOT Bridges	<i>Mir Zaheer, INDOT</i>
11:30 AM	Lunch Keynote	
1:00 PM	Steel Bridges with Grating	<i>Caleb Hatting, INDOT</i> <i>Reid McIntire, United Consulting</i>
2:00 PM	REBEL Sensor for In-Place Concrete Strength Testing without Maturity Curve	<i>Rui He, Purdue University</i>
3:00 PM	Repair Strategies for Corroded Steel Girder Bridges	<i>Amit Varma, Purdue University</i>



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ENVIRONMENTAL I

	SESSION	SPEAKER(S)
8:30 AM	Opening Session	
9:30 AM	Purdue Residence Hall South of Hillenbrand - Stormwater System Design	<i>Christopher Limiac, BF&S</i> <i>Adam Keyster, Purdue University</i> <i>Justin Ludwig, F.A. Wilhelm</i>
10:30 AM	Bridging the Unpredictable: Geotechnical Insights from the US 31 Overpass Project	<i>Erica Haas, HNTB</i> <i>Kyle Zak, Terracon</i>
11:30 AM	Lunch Keynote	
1:00 PM	Mapping Landslides in the Hoosier National Forest and an INDOT Case Study on SR 145 in Dubois County	<i>Victoria Leffel, Purdue</i> <i>Joey Franzino, INDOT</i>
2:00 PM	Planning and Environment Linkages: Communications and Outreach Solutions and Lessons Learned	<i>Stacey Osburn, HNTB</i> <i>Dan Miller, HNTB</i>
3:00 PM	Redevelopment of Contaminated Sites Regarding Comfort Letters and No Further Action Status	<i>Doug Zabonick, Patriot Engineering</i>



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MODERATOR
Dan Miller
HNTB



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ENVIRONMENTAL II




**STEWART
202**



MODERATOR
Mike Wigger
Terracon



SPEAKER BIOS
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	SESSION	SPEAKER(S)
8:30 AM	Opening Session	
9:30 AM	DNR & FEMA No Rise	<i>Adam Bales, IDNR</i>
10:30 AM	Lesson Learned in National Environment Policy Act (NEPA) from INDOT and Consultant point of view 	<i>Alexander Lee, Parsons</i> <i>Drew Passmore, INDOT</i>
11:30 AM	Lunch Keynote	
1:00 PM	Combined Sewer Outfall Mitigation - Alternate Procurement	<i>Colin Dale, BF&S</i> <i>Chris Limiac, BF&S</i> <i>Mark Chmeliwskyj, BF&S</i> <i>Tim Belcher, Town of Plainfield</i>
2:00 PM	Problematic Section 4(f) - US 20 Reconstruction	<i>Rich Connolly, HNTB</i> <i>Cindy Mauro, INDOT</i> <i>Kia Gillette, HNTB</i>
3:00 PM	Geotechnical Engineering. Innovative Techniques and Future Trends	<i>Salim Ilmudeen, Patriot Engineering</i>



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MULTI-DISCIPLINE I

	SESSION	SPEAKER(S)
8:30 AM	Opening Session	
9:30 AM	Principles of Writing Construction Specifications and Special Provisions	Scott Trammell, INDOT
10:30 AM	My Role as a Transportation Practitioner on Equity	Qiana McKoy, HNTB
11:30 AM	Lunch Keynote	
1:00 PM	The Relocation Left Behind - UAP Exceptions 101	Joshe Palm, INDOT Jennifer Beck, INDOT
2:00 PM	Engineers Without Borders - Implementation Phase of a Water Distribution System 	Katherine Kreienkamp, Engineers Without Borders Susan Harris, Engineers Without Borders Rebekah Miner, Engineers Without Borders
3:00 PM	Update and Lessons Learned on INDOT's Deployment of New Progressive Project Delivery Methods (CM/GC and Progressive Design Build)	Brian Shattuck, INDOT Dave Ayala, Parsons Kevin Jasinski, Burgess & Niple



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MODERATOR
Karl Krukenberg
WSP



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MULTI-DISCIPLINE II




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MODERATOR
Sean Porter
Parsons



SPEAKER BIOS
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	SESSION	SPEAKER(S)
8:30 AM	Opening Session	
9:30 AM	Indiana's Carbon Reduction Plan	<i>Joe Guerre, HNTB</i>
10:30 AM	Advanced Air Mobility: What is it? What States are Doing About It	<i>Diane Newton, HNTB</i> <i>Sherry Kish, HNTB</i>
11:30 AM	Lunch Keynote	
1:00 PM	Presentation Skills 	<i>Kevin Elliott, Applied Research Associates</i>
2:00 PM	Understanding the FHWA Cost and Schedule Risk Assessment (CSRA) Process	<i>Toby Randolph, Parsons</i> <i>Danny Corbin, INDOT</i> <i>Jim Martin, FHWA Representative</i>
3:00 PM	Geotechnical Communication Guide for Design Consultants	<i>Elle Wilkinson, Atlas Technical Consultants</i>

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VERTICAL STRUCTURES

	SESSION	SPEAKER(S)
8:30 AM	Opening Session	
9:30 AM	AESS: Categorized by Design	<i>David Fennell, AISC</i>
10:30 AM	Transformation in Steel: A Primer in Sustainability	<i>David Fennell, AISC</i>
11:30 AM	Lunch Keynote	
1:00 PM	Lessons Learned in Steel Fabrication	<i>Steve Knitter, GP Steel</i>
2:00 PM	Economics of Steel Fabrication	<i>Steve Knitter, GP Steel</i>
3:00 PM	IAA CMC Delivery Methods & Update	<i>Jarod Klaas, IAA Brad Bobich, IAA Jim Glasener, Messer Construction</i>



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MODERATOR
Tom Leahy
*American
Structurepoint*



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