



Technical Sessions Schedule 2026

Visit With the Exhibitors  
North & South Ballrooms, Purdue Memorial Union &  
Room 311 & 313, Stewart Center  
8:00 AM-5:00 PM

Opening Session  
Loeb Theater, Stewart Center  
9:30-10:30 AM

Student Poster Session  
Purdue Memorial Union  
11:00 AM-1:00 PM

Tuesday, March 17

	Bridges		Design/Construction				Human Capital/Leadership		Legal	Local Agency	Maintenance & Operations	Pavements		Project Management/Planning		Safety	Traffic Operations	Urban Planning
	STEW 206	STEW 214 AB	Fowler	Loeb Theater	STEW 302	STEW 306	STEW 214 CD	STEW 278	PMU 250/FACW	STEW 314 Impact Classroom	STEW 310	STEW 218 AB	STEW 320 Impact Classroom	STEW 202	STEW 279	STEW 218 CD	PMU 240/FACE	WTHR 104
11:00-11:50 AM		6. Simplifying Short Span Steel Bridge Design and Construction	11. Connected Work Zones and Queue Management for 2026			23. Progression of SR 32: INDOT's First Progressive Design Build Project	28. Innovation, Implementation, and Collaboration	34. Classroom to Corridor: Partnerships Driving Civil Engineering Education	39. State Right of Way: Myths, Reality, and Railroads			51. From Evaluation to Innovation: Engineering Efficiency Through Cold In-Place Recycling	56. Geosynthetics and the INDOT Approval Process	62. 100 Years Since "The Great Renumbering"	68. Using Technology to Manage Infrastructure	74. Traffic Safety in Indiana: 2026 Update		84. Land Use Strategies: Maximizing Community Assets and Opportunity
12:00-12:50 PM	1. SPR-4927: Bridge Data Virtual Validator							29. Onboarding, Training, and Workforce Development	35. Should I Stay, or Should I Go?			44. Traffic Studies 101	52. Pavement Marking Types and Best Choices for Designers	57. Quantifying Improvements in Geogrid Stabilized Pavement Unbound Aggregate Layers	63. Hancock County's Journey from Planning to Execution	69. Smarter Projects with Microsoft 365 and AI		75. From Pop-Up to Permanent: Lessons from a Tactical Urbanism Project
1:00-1:50 PM	2. 30th Street: Complex Site Conditions, Complex Restoration	7. ODOT SR 8 Bridge Launch	12. Improving Results by Partnering with Utilities			19. Hydraulics Updates and Impacts to Median Drain Design	24. Customized Cable Barrier Solutions for Challenging Median Conditions on US 31	30. Paving the Way: Strategies for Building Indiana's Workforce	40. The Basics: ADA and Section 504 Self Evaluations	45. Traffic Counting for Buggies			58. Improving Chip Seal Durability	64. Section 106, Tribal Consultation and the Kreitzer Site	70. How transportation impacts have been mitigated by the Indiana Stream and Wetland Mitigation Program	76. Focus on Lane Shift Tapers	80. LEAP District & Trip Generation: Data-Driven Road Network Preparation	
2:00-2:50 PM	3. Efficient and Accurate Hydraulic Site Data Acquisition	8. Nickel Plate Trail Pedestrian Bridge over 96th Street in Fishers, IN	13. Habitat or hazard? Rain Gardens in the Right of Way			16. Recycled Concrete Embankment Construction: A Case History	20. 90-Inch Tunnel Boring: Rock, Rail, and Permits	25. 3D/4D Modeling and Design of the Brent Spence Corridor Project	31. Next Level Leadership, No Matter Your Job Title	36. Modern Risk Management: Owner and Consultant Perspectives			41. Understanding and Complying with Title VI	46. INLTAP's Local Agency Roundtable for Street Commissioners	48. Using LiDAR, 3D Digital Photography, and LiDAR to Map and Rate Road and Streetside Assets	53. Automated Pavement Condition Assessment System	59. Evaluation of Automated Pavement Condition Data Collection Methods	65. The Prime-Sub Relationship: How to Work Together
3:00-3:50 PM	4. Incorporating Unbonded Post-Tensioning in Concrete Bridges	9. Liquid Steel-Repair of Steel Bridges with Ultra-High Performance Concrete	14. Marl Madness: Plainfield's Slam Dunk Solution	17. Less Turning, More Go-ing: SR 28 Roundabout Design	21. The Mid-States Corridor: A Project Update	26. Albion Pavement Project: Design, Outreach, and Impact	32. Engineering Your Career: Blueprints for Workplace Mentorship	37. You Can't Yoga Your Way Out of Road Rage	42. As the Road Curves: Navigating the Legal Liability of Highway Design		49. Spray Injection Road Repair: Think Outside the Pothole	54. Revive I-70: Pavement Design Overview	60. From Feedback to Innovation: Next-Gen Asphalt Preservation		66. Found in the Field: Utility Coordination Edition	72. Cost-Effective Critical Path Management of Utilities and Right-of-Way	78. Enhancing Bicycle and Pedestrian Safety: Leveraging Near-Miss with IndyGo	82. Diverging Diamond Interchanges: Design Refinements and Performance
4:00-4:50 PM		10. Load Rating Concrete Arch Bridges Without Available Plans	15. Dan Jones Road: Innovative Solutions Shaping Avon, Indiana	18. Delivery of the White River Innovation District Infrastructure	22. RAFO : The Elkhart County Local Trax Project	27. I-65: Safety, Lane Additions, and 21 Bridge Rehabilitations	33. Executive Coaching: Strengthening the Next Generation of Public Leaders	38. We Need to Talk: Transforming Dreaded Feedback Conversations	43. Paved with Good Intentions: Navigating Indiana's Condemnation Proceedings	47. Guardians of the Work Zone: Next Level Flagging	50. Telematics in Winter Operations: A Driver to Success	55. Multimodal Pavement Assessment with FWD and Computer Vision	61. Laboratory Characterization of Polyurethane-Stabilized Aggregates for Pavement Foundations	67. Designing for Drainage: Lessons from INDOT's Small Structures and Drains Projects	73. NEPA and Permitting in Alternative Delivery	79. Development of Indianapolis's First Vision Zero Plan	83. Leveraging CV Data for Traffic and Safety Analysis Nationwide	88. Purdue University in Indianapolis Master Plan

Road School Industry Awards

North & South Ballrooms, Purdue Memorial Union  
8:00 AM-9:30 AM

Visit With the Exhibitors

North & South Ballrooms, Purdue Memorial Union &  
Room 311 & 313, Stewart Center  
8:00 AM-3:00 PM

137B. Indiana Statutes and Rules for Professional Engineering Licensure

Loeb Theater, Stewart Center  
9:00-9:50 AM

138B. Professionalism and Ethics in the Practice of Engineering

Loeb Theater, Stewart Center  
10:00-10:50 AM

Wednesday, March 18

	Aviation	Bridges	Design/Construction			Elected Officials	Electric & Connected Vehicles	Human Capital/Leadership	Local Agency	Maintenance & Operations	Multimodal Transportation	Pavements	Project Management/Planning		Public Relations/ Communications		Safety	Traffic Operations
	WTHR 104	STEW 206	Fowler	Loeb Theater	STEW 302	STEW 320 Impact Classroom	STEW 214 CD	STEW 278	STEW 314 Impact Classroom	STEW 310	STEW 306	STEW 218 AB	STEW 202	STEW 279	STEW 214 AB	PMU 250/FACW	STEW 218 CD	PMU 240/FACE
8:00-8:50 AM	89. Aviation Misfuelling Risks & General Accident Analysis	96. Big Mac Attack: 100 Day Emergency Bridge Repair	104. Construction Specifications and Special Provisions		116. Transforming INDOT Major Projects with Bentley Infrastructure Cloud	124. Building Trust with Communities to Advance Projects	130. Navigating Alternative Fuels in Trucking and Local Fleets	139. Advancing INDOT’s Maintenance Operations Through Digital Innovation	147. Navigating Local Preferences in Transportation Projects	154. Development of a Low-Cost LiDAR for Mapping Roadside Culverts	160. Developing Visions for Indiana Statewide Corridors	167. Pavement Longevity: Utilizing Geosynthetics for Moisture Control	175. Railroad Coordination 101	182. Tirami-SUE: A Recipe for Using Subsurface Utility Engineering (SUE) Data Successfully	191. Utilizing PEL to Streamline Review, Make Decisions, and Improve Project Outcomes		205. Safe Streets and Road for All (SS4A) and Regional Safety Collaboration to Vision Zero	214. LiDAR-Enabled Vehicle Inspection and Permit Verification
9:00-9:50 AM	90. Reconstructing Taxiway B and Terminal Apron at South Bend International Airport	97. Bridge Inspection New Requirements: Year 1 Lessons Learned	105. Should I Approve This? Utility Work Plan Mistakes		117. Common Issues and Tips for INDOT Plan Submittals	125. Driving Dollars Further: Updates on Road Funding Programs for Indiana Communities	131. Segment Mobility and Signal Performance: Leveraging CV Metrics	140. We Can Do It...And Did (And So Can You)	148. Draining Fountain Square with Alternate Delivery	155. Slides on Slides: Multidisciplinary Approach to Landslide Solutions	161. Outline the Future for Freight and Logistics in Indiana	168. Pavement Monitoring: Integrating Edge Computing and High-Speed Deflectometry	176. Drone Thermal Imaging for Environmental Practices in Transportation	183. Surge Modeling for Stormwater Management	192. Test Drive Innovative Intersections—No Car Needed: Public Involvement That Works	198. Telling Your Infrastructure Story Through Lifecycle Planning	206. Let’s Walk and Talk: Building Trust (and Better Projects) using Community Walk Audits	215. Integrated Corridor Management and Dubuque STREETS Project
10:00-10:50 AM	91. Airport Infrastructure: Pavement Rehabilitation Challenges & Wildlife Safety	98. Bur Oak Pedestrian Bridge and Trail Project	106. I-64 ATL: Stage 3 Design-Bid-Build (DBB) to Design-Build-Low-Bid (DBLB)		118. The Ground Tried to Stop Us (and Lost)	126. INLTAP’s Local Agency Roundtable for Elected Officials	132. Charging the Crossroads is Back! NEVI 2.0	141. Early Career Panel: The Value of Industry Involvement	149. Compliance Monitoring: Protecting Local Infrastructure	156. Damping Danger: Extending Light Pole Fatigue Life	162. Railroad Open Forum	169. Asphalt “Mix” Busters	177. Innovative Scheduling Technologies	184. INDOT’s Post-Construction Stormwater Management: Program Updates and Evolving Practices	193. Public Speaking: Tips, Tricks, and Overcoming the Fear	199. Are You Listening? Communicating Effectively with Elected Officials	207. Hard Braking & Driver Behavior on Indiana Interstates	216. Innovative Intersections and Interchanges: How, Where, and Why
11:00-11:50 AM		99. Adjacent Prestressed Concrete Box Beam Bridges	107. Upcoming Changes to Construction in Floodway Application Process		119. Designing the Silver Bullet: Safer Roundabouts for Carmel			142. Women in Project Delivery	150. Management of Roadway Network Restrictions			170. LiDAR for Engineers: More Than Mapping	178. Taking Advantage of Utility Coordination with Alternate Delivery	185. US 31 Limited Access: Coordination and Land Challenges	194. Building a Better PowerPoint		208. Developing the Central Indiana Vulnerable Road User Assessment	217. LiDAR Systems for Traffic Signal Performance
12:00-12:50 PM	92. Heavy Weight Deflectometer (HWD) Structural Analysis for Airport Pavement Design						133. In-Cab Applications to Drive Commercial Vehicle Safety				163. Northern Indiana Commuter Transportation District (NICTD) South Shore Line Realignment Project Update			186. Opportunities and Challenges: Right-of-Way Acquisition for Transportation Infrastructure		200. Prioritizing Municipal Pavements with Data	209. Kinetic Energy, Speed, and Safe System Approach	
1:00-1:50 PM	93. Indianapolis International Airport’s Firefighting Foam Transition	100. Iconic Henry Street/Innovator Way Bridge in Indy	108. An Innovative Road Design for a Storm Water Project	112. Navigating Preconstruction on Indiana’s First Construction Manager/General Contractor (CMGC) Project	120. You Want to Build WHAT in the River?		134. INDOT’s First Vehicle to Everything (V2X) Deployment - Project Update	143. Building the Future Workforce Through WorkINRoads	151. Madison County’s Toolbox for Innovative Pavement Management	157. Ohio Department of Transportation Research: Benefit Analysis of Barrier Inlet Screens	164. Mishawaka Riverwalk and Link Across the Cedar Street Bridge	171. AI-Driven Pavement Condition Assessment Using Advanced Computer Vision	187. US 20.1 in Amish Community Corridor, Elkhart County		195. From Boomers to Zoomers: Closing the Communication Gap	201. Lion, Otter, or Beaver Retriever?	210. Successful Implementation of KYTC’s Wrong Way Driving System	218. Improvements in Waterborne Traffic Paint for Indiana
2:00-2:50 PM	94. Enhancing Operational Efficiency at Evansville Regional Airport	101. Solutions to Non-Redundant Steel Tension Member (NSTM) Inspection Access Challenges	109. We’re Building a Roundabout for Just \$1 Million????	113. Case Study: Ronald Reagan Parkway Design	121. SR 56 Emergency Slide Repair	127. INDOT and Local Collaborations: Creating Lifesaving Partnerships	135. The Road Ahead: Scaling Truck Automation Across State Lines	144. Young Professionals as Catalysts: Driving Innovation and Organizational Growth	152. INLTAP’s Local Agency Roundtable for County Engineers and Supervisors	158. AI-Driven Pavement Insights to Actionable Work Orders	165. Fueling the Transportation Future with Hydrogen Energy	172. Weaponizing Risk: Data Revolution Fueling Pavement Management’s Evolution	188. ProPEL US 41: Identifying the Needs and Visions for All Users	196. Closing the Loop: How Public Comments Shape Projects	202. Expanding and Maintaining a Sidewalk Network	211. INDOT Safe Zones Update	219. History of the Interstate System	
3:00-3:50 PM	95. Gary/Chicago Airport Cargo Logistics Apron	102. New Bridge Engineering Program at Purdue University	110. Level Up 31: Designing Indiana’s First Construction Manger/General Contractor (CMGC) Project	114. Early Contract Input, Better Outcomes: Indiana’s Collaborative Advantage	122. Lessons Learned: Indiana’s First Hybrid Intersection	128. Public Speaking for Engineers and Public Officials: REVAMPED	136. Power in the Pavement: Dynamic Wireless Power Transfer’s (DWPT) Successful Delivery	145. Building a Vitalizing Team Culture		159. Utilizing CV Data and Truck Imagery for Roadway Monitoring	166. Navigating Curb Ramps: Public Right-of-Way Accessibility Guidelines, INDOT, and Local Preferences	173. The Long, Winding Tale of the SR 3 Cold-in-Place Recycling (CIR)	180. INDOT Professional Services Contracting System 6.0 Update	189. Opening the Door to Livestreaming Meetings	197. No One-Size-Fits-All in Public Outreach	203. Old Southside Streetscape Revitalization and Drainage Improvements	212. AASHTOWare Safety Is Coming to Indiana	220. The New Indiana MUTCD
4:00-4:50 PM		103. Rapid-Response Playbook: Bridge Beam Strikes and Emergency Repairs, a Real-World Case Study—I-69 over SR 13	111. Setback to Solution: Emergency Repair Success Near Project Completion	115. Rapid Response: Reconstructing the Washington Street Bridge	123. Roundabout Roundtable	129. Listening to Your Community: Understanding What Success Means		146. Making STEM Sexy: Solving Civil Engineering’s Workforce Challenges	153. Take the Guesswork Out of Your Small Structures!			174. Pavement ME Design (PMED) Software: Recommended Inputs and Usage Guidance	181. Small Towns, Big Problems?	190. Seasoning of Project Managers		204. Urban Streets that Enhance Quality of Life	213. Improving Safety in Lean Times	221. A Case Study: SR 62 Alternative Intersection Analysis