MDOT ACEC PARTNERING WORKSHOP

2026 DRAFT BREAKOUTS

US-127/I-496 Improvement - A Curved, Complex, and Challenging Bridge
Room: 202
Time: 9:00 - 9:50
Lansing's major freeway overhaul is well underway—with Phase I, the largest and most complex now complete including a new 3-span curved steel plate girder bridge carrying a realigned NB exit ramp over active rail. This session explores the design challenges, construction lessons, and how high-end computer modeling—paired with hands-on ingenuity—solved a major obstacle caused by a Contractor mishap. Our story highlights this transformative project and the collaborative spirit which facilitated its success. Presenters: John Belcher, Rick Liptak, Chris Gembel (MDOT), Matthew Wagner (Colliers Engineering & Design)

Improving MDOT's Movable Bridge Reliability and Operations
Room: 101-102
Time: 10:05 – 10:55
MDOT owns and operates twelve movable bridges, comprised of eleven bascule bridges and one vertical-lift bridge. These bridges often have electrical and mechanical component failures or malfunctions which can cause unplanned maintenance, traffic disruptions, and navigational disruptions. This presentation will summarize this research project that evaluated MDOT's existing movable bridge maintenance program, identified existing movable practices from the industry, and explored practices to reduce closures. Presenters: Mike Halloran (MDOT), Matt Longfield, Jonathan Kohler (HDR)

Construction Scheduling & Claims 101: An Open Forum
Room: Banquet 1
Times: 9:00 – 9:50 10:05 – 10:55
Curious about scheduling and how it can help protect against EOT claims or unnecessary acceleration or cold weather costs? There will be an open forum to ask your specific questions, from building schedules to managing project delays, and why it all matters. Bring your questions, ideas, and experiences. Whether you're new to construction scheduling or just looking for clarity, this interactive session is designed to help you learn and connect. Presenters: Brad Daavettila, Mussie Naizghi (MDOT), Kristen Aston, Bob Jones (RS&H)

Rebuilding Smarter: Geospatial Asset Data Collection on the M-14 Reconstruction (Newburgh to Sheldon)
Room: Banquet 1
Times: 11:10 – 12:00 2:45 – 3:35
This presentation introduces MDOT's new geospatial asset data collection process on the M-14 project. We'll cover collection methods, equipment, spatial quality standards, and ArcGIS-based data processing. Attendees will see how MDOT can use this data for maintenance and design, while project owners gain real-time visibility into construction progress; helping track CPM schedules and predict delays. Survey-grade as-builts offer significant cost savings and long-term value across Michigan's transportation projects. Presenters: Dave Harris (MDOT), Dakota O'Neill (HNTB)

Building the Future: How MDOT's MI-FAST Study is Advancing Innovative Funding and Asset Management
Room: 101-102
Time: 11:10 – 12:00
Discover how MDOT's Michigan Innovative Finance Asset Scan for Transportation (MI-FAST) study is evaluating assets statewide, exploring innovative funding and delivery models, and telling the story around funding need with support from a USDOT grant. This session will provide a progress update on the study including how the MI-FAST team has coordinated with MDOT region and bureau staff to identify projects for screening resulting in candidate assets for more detailed analysis. Presenters: Adam Wayne, Trevor Block (MDOT), Ron Davis, Michael Day (HNTB)

Performance Based Practical Design Implementation in the Road Design Manual
Room: 101-102
Time: 9:00 – 9:50
The flexibility provided for utilizing Performance-Based Practical Design, in conjunction with support for that direction in the 7th Edition of the AASHTO Green Book, has been incorporated into Chapter 3 of the Road Design Manual. What does this mean, and how will it impact projects? Presenters: Nathan Miller, Jason Ealy (MDOT)

Reconstructing the iconic M-22/M-72 (Grandview Parkway) with operational and multi-modal improvements along the West Grand Traverse Bay
Room: 202
Time: 10:05 – 10:55
The M-22/M-72 Grandview Parkway reconstruction demonstrates how community vision becomes reality through collaboration, stakeholder engagement, and effective design/construction partnerships. The design team worked with residents and multiple local groups to create a multi-modal layout that separates users, improves access to trails and transit, and increases intersection safety and mobility. Fluid design and strong construction partnerships also enabled ongoing coordination with local projects, including the Freshwater Research and Innovation Center, and the Elmwood Township TAP project. Presenters: Dan Wagner, Lucas Porath (MDOT), Dakota Roberts (ROWE PSC)

On the Right Track: Coordinating Early with MDOT's Office of Rail for Successful Project Delivery
Room: 101-102
Time: 2:45 – 3:35
It is important to coordinate early, during project scoping phase, with MDOT, Office of Rail (OoR), and Rail Safety Section (RSS) on any project close to railroad tracks. The OoR has both regulatory authority over railroads and road authorities at highway railroad grade crossings through the RSS and a coordination role through the trunkline and local road coordination group. This coordination is important for the timely delivery of both trunkline and local road projects. Presenters: Chris Foondlek, Nisia Tebbe (MDOT), Tim Hoeffner (Quandel Consultants)

MDOT's Digital Vision: Charting the Path Toward a Fully Integrated Project Delivery Future
Room: Banquet 2
Times: 9:00 – 9:50 10:05 - 10:55
As technology continues to give us more options for developing and delivering transportation projects, having a clear vision of the future is paramount to help us achieve our goals. This session will dive into the development of MDOT's Digital Vision, including the ongoing stakeholder engagement with MDOT staff, consultants and contractors, as well as key priorities that are shaping the path forward including digital delivery, model as a legal document, and digitization of processes. Presenters: Andrew Block, Brad Wagner (MDOT), Jag Mallela (WSP)

Design Smarter: MDOT's Tools, Technology, and Training for the Future of Project Delivery
Room: Banquet 2
Times: 11:10 – 12:00 2:45 – 3:35
Members of MDOT's Design Services Section will discuss relevant subjects for our design consultant community including our Document and Process Automation Unit discussing ProjectWise topics, and Engineering Support Services discussing design software, workspace functionality, and training/support topics as well as MDOT's participation in the BIM for Infrastructure Pooled Fund. Presenters: Karl Berg, Luke Arnold, Greg Vanis (MDOT)

Telegraph Rd and Eight Mile Diverging Diamond Interchange
Room: Banquet 3
Time: 9:00 – 9:50 10:05 – 10:55
MDOT modernized 1.5 miles of US-24 from M-5 to north of M-102 at the Detroit-Southfield border to address operational and geometric deficiencies along the heavily traveled boulevard. The crown of the corridor reconfiguration is a diverging diamond interchange (DDI) that was a perfect fit for the site's tight right-of-way constraints and need to accommodate larger vehicles and slower speeds. The US-24 Renewal and DDI project modified roadway geometrics and optimized traffic signals and crossovers to improve efficiency and enhance safety. The DDI preserved two bridges, met all geometric design criteria, and dramatically improved traffic flow while reducing crash conflict points. Since DDI implementation, injury related crashes have decreased by 90% compared to the annual average for the previous 5 years. Full reconstruction of the US-24/M-5 intersection eliminated direct left turns, redirected left turns to crossovers past the intersection, and closed off an unsafe right turn access point. Pedestrian mobility was enhanced with sidewalk extensions, signalized crossings, and a US-24 crosswalk that connects neighborhoods. Presenters: Jeffrey Horne, Adam Penzenstadler (MDOT), Lori Pawlik, Matt Stacey, Tom Wheeler (Wade Trim)

Local Agency Program Updates
Room: 203
Time: 9:00 – 9:50
Presentation will include an overview of current and upcoming updates to the LAP program for programming, design and construction, and will explore some challenges encountered and potential solutions to address those challenges. Presenters: Ryan Doyle, Robyn Coole (MDOT), Mark Loch, Scott Emmons (OHM)

Delivering in 3D: Lessons from MDOT's Second Digital Delivery Pilot on M-53 over Greenman Creek
Room: 203
Time: 10:05 – 10:55
MDOT let their second digital delivery pilot in October 2025, the replacement of M-53 over Greenman Creek. Both the structure and associated road work were modeled in 3D and these federated models were the contractual document in place of a 2D plan set. This pilot is the first project to include both contractual road models and a digital fabrication workflow requiring exchanges of modeled information between the Department and precast and steel reinforcement fabricators. Presenters: Melissa Donoso, Luke Arnold (MDOT), Marcia Yockey (HDR)

Everything You Wanted to Know (and a Few Things You Didn't!) About Traffic Noise Analysis and Abatement Design
Room: Banquet 6
Time: 9:00 – 9:50
Traffic noise is something everyone notices, but few truly understand. Whether you're a community member, stakeholder, or design professional, the conversation can be complex and sometimes contentious. In January 2025, MDOT released an updated Traffic Noise Handbook replacing the 2011 version and issued new noise barrier design guidelines. This session explores noise analysis and modeling, real-world applications, design insights, and lessons learned to help you better understand and navigate traffic noise analysis and abatement design. Presenters: Lane Masoud, Tom Zurburg (MDOT), Rob Leppala, Rick Chelotti (Colliers Engineering & Design)

MDOT Drainage Manual - Final Release Content Overview
Room: 103-104
Time: 11:10 – 12:00
MDOT has completed a major revision of the Drainage Manual. This session will provide an overview of major updates and include the following topics: overview of each chapter, detailed discussion of hydrology updates including findings from MTU research, bridge scour and countermeasures, advanced tunnel hydraulics, removal of water quality from manual, the new coastal engineering chapter, and temporary drainage design. Newly developed spreadsheet tools will be presented. Presenters: Erik Carlson (MDOT), Alysia Lorincz, Mark Pribak (Wade Trim)

Collaboration Beyond Borders: The Owner's Engineer's Role in the Gordie Howe Bridge Project
Room: Banquet 6
Time: 10:05 – 10:55
The Gordie Howe International Bridge is a transformative binational infrastructure project. As Owner's Engineer, Parsons has provided critical services, including design review, construction oversight, and risk management, ensuring sustainability, durability, and operational efficiency. This presentation highlights collaborative solutions addressing complex stakeholder relations, environmental requirements, and record-breaking design elements. Attendees will gain insights into how engineering expertise and teamwork with MDOT have driven the successful delivery of this iconic, cross-border connection. Presenters: Hussein Ibrahim (MDOT), Bruce Campbell (Parsons)

GLC RR over Manistee River - Successful CM/GC Delivery
Room: Banquet 3
Times: 11:10 – 12:00 2:45 – 3:35
After nearly a decade in the making, the new GLC bridge over the Manistee River is complete—delivered using CMGC contracting. This session dives into the complex three-phase build involving drilled shafts, large steel plate girders, and rugged terrain. Learn how rail service continued through each phase, and discover key successes and challenges. A must-see for bridge professionals and Innovative Contracting experts looking for real-world insights, lessons learned, and delivery strategies. Presenters: Clint Mayoral, Jim D'Lamater, Nick Broad (MDOT), Jeremy Hedden (Colliers Engineering & Design)

Charging Ahead: MDOT's NEVI Strategy in a Changing Federal Landscape
Room: 204
Time: 9:00 – 9:50
MDOT is installing over 80 DC fast charging stations along designated Alternative Fuel Corridors and up to 75 more charging stations around the state. This session covers progress on design and construction (Rounds 1 and 2), upcoming discretionary phase planning, and the impact of recent federal changes to the NEVI program. Revised guidance has streamlined compliance, restored frozen funding, and introduced new flexibility for states. Attendees will gain insight into MDOT's innovative contracting approach to execute a DOT-led infrastructure program on private property while navigating a rapidly evolving EV landscape. Presenters: Jon Harden, Luke Wenger (MDOT), Jeff Feeney, Collin Castle (HNTB)

Keys to success on innovative contracting projects and I-375 case study
Room: Banquet 4
Times: 9:00 – 9:50 10:05 – 10:55
Join MDOT's Innovative Contracting Unit and I-375 reconnecting communities project team members for a discussion of keys to success on innovative contracting projects, including partnering, team adaptability, and collaborative approaches to cost estimating, schedule determination, and risk allocation. Presenters: James Ranger, Jon Loree (MDOT), Laura Aylsworth-Bonzelet (AECOM), Charles Zervas (HDR), Joe Goodall (Dan's Excavating)

MDOT Pavement Management Overview: Program Development
Room: Banquet 4
Times: 11:10 – 12:00 2:45 – 3:35
How does MDOT select the next fix for pavements? Why one segment of road over another? This presentation will educate attendees on the processes utilized for pavement project selection, covering the data, tools, people and guidelines to evaluate pavement conditions, select appropriate treatments at the right time, and monitor investment. This focuses specifically on pavement within the topic of asset management. Presenters: Ellen Nightingale, Timothy Lemon (MDOT)

Context Sensitive Solutions and Addressing Speed Limit Issues when Redesigning MDOT Roadways
Room: 204
Time: 10:05 – 10:55
Several MDOT planning projects are looking at redesigning existing roadways to address traffic, safety, and land use changes with support of communities to calm traffic. The re-envisioned roadways are looking at a lane reduction for transit or pedestrian amenities. The big issue is the setting of speed limits and what can be done legislatively, learning from research and other parts of the country, and working to set speed limits on redesigned roadways.
Presenters: Garrett Dawe, Josh Carey (MDOT), Barbara Arens (Cincar Consulting Group, LLC), Timothy Gates (Michigan State University)

How collaboration between engineers and planners can make our lives easier!
Room: 204
Time: 11:10 – 12:00
Planners and engineers both want safe and effective transportation systems. Moving autos and goods is important, but it isn't the only priority. Productive relationships between planners and engineers begins with clear communication that acknowledges the different perspectives. We will highlight Michigan's Transportation Planning goals and survey results from planners and engineers. Our panel will describe how collaboration can build trust and consensus among each discipline, the elected officials, advocates and the public. Presenters: Stephanie Palmer, Michael Davis (MDOT), Suzanne Schultz (Progressive Companies), Tanya DeOliveira (Williams & Works), Barbara Arens (Cincar Consulting Group, LLC)

Roadway Safety Audit Program
Room: 204
Time: 2:45 – 3:35
Roadway Safety Audits (RSAs) have been a tool for engineers and planners to wholistically evaluate the safety of roadway corridors to determine effective countermeasures to improve safety. RSAs have been developed by much of the engineering community to help with planning, funding, education/outreach, and design. What are some of the current trends? How have processes evolved over the past decade of implementing RSAs? Presenters: Tim Smerdon (MDOT), Steven Loveland, Lauren Hull (OHM)

What's Next for the Metro Region's Pedestrian Bridge Network?
Room: 103-104
Time: 2:45 – 3:35
The Metro Region has a vast network of aging pedestrian bridges that connect neighborhoods across the region's highways. Many of these structures were built over 50 years ago and are reaching the end of their functional life. MDOT's Metro Region is in the process of developing a plan for the future of the pedestrian bridge network. Members of the project team will provide an overview of the project, highlighting the planning aspects, outreach & engagement, conditional assessment, and structural evaluation with a goal to have a sustainable plan that maximizes asset value, allows for future planning, and right-sizes the network to meet the needs of the Metro Region users into the future. Presenters: James VanSteel (MDOT), Eric Dryer, David Strockis (OHM)

Building 15 miles of I-75 with 360 degrees of collaboration
Room: Banquet 5
Times: 11:10 – 12:00 2:45 – 3:35
The $166 million, 15-mile I-75 rehabilitation in northern Oakland County is a high-profile project that includes 12 bridges, 5 interchanges, and extraordinary collaboration. This high-visibility freeway project required a true team effort between the TSC, Contractor, Construction, and Design Engineering staff to coordinate once the original 1960s-era concrete pavement was exposed to verify and optimize the design profile that was initially modelled without the benefit of having the original 1960s-era plans. Presenters: Gina Red, Jeff Pitt (MDOT), Jon Ward (ROWE PSC), Bryan Turczynski (Fishbeck)

Pace of Play: The Benefits of Bundling EPE Activities for Major Project Delivery
Room: Banquet 5
Time: 9:00 – 9:50
MDOT's I-94 Modernization Project presents complex project constraints including NEPA environmental commitments, property condemnation, extended project phasing, and varied historic land usage in an urban corridor planned for reconstruction. This session will discuss the benefits of bundling property acquisition, environmental due diligence, demolition, and other activities, and how MDOT's consultant contracting strategy on this project resulted in streamlined workflows, enhanced collaboration and communication, and elimination of redundancies throughout several phases of the project. Presenters: Adam Wayne, Clint Mayoral (MDOT), Ryan Jones (Egis)

Tools for Project Stakeholders: Keeping Your Audience Engaged
Room: Governors
Time: 2:45 – 3:35
In an era of information overload, effective communication is key to successful project delivery. This session explores how digital tools can elevate stakeholder engagement and keep diverse audiences informed and invested. We'll highlight real-world examples from MDOT Projects, and panelists will also share insights from a large-scale statewide public engagement initiative, public engagement strategies throughout project development, and the rollout of an environmental study. Attendees will leave with practical strategies and best practices for crafting compelling, consistent, and inclusive communication throughout the project lifecycle. Presenters: Jocelyn Garza, Monica Monsma (MDOT), Kelly Sweeny (HNTB)

I-94 from Wayne Rd. to Schaefer Rd. in Wayne County: A Case Study - How to Investigate and Manage PFAS (the Forever Chemical) on a MDOT Freeway Project
Room: 203
Times: 11:10 – 12:00 2:45 – 3:35
PFAS compounds are a man-made group of compounds historically used in many industrial operations and commercial applications. PFAS, considered "an emerging contaminant," was found in shallow soil during the design of the I-94 Project from Wayne Rd. to Schaefer Rd. in Wayne County. This presentation will review the I-94 project and how PFAS was investigated, identified; and how a cleanup criteria was established (working with EGLE) so that soil could be effectively managed. Presenters: Jeffrey Horne, Amanda Novak (MDOT), Matt Hamel, Scott Park (DLZ Michigan, Inc.)

Drilled shafts for I-475 over the Flint River
Room: Banquet 6
Times: 11:10 – 12:00 2:45 – 3:35
I-475 over the Flint River was a challenging project to design and construct due to numerous issues. Some of the issues included hydraulic flow concerns, scour, contamination, artesian conditions, difficult soil conditions, and atypical drilled shaft pour sequences. Presenters: Anthony Pietrangelo (MDOT), Jane Abadir, JD Hoksbergen (Somat)

What's New in Ancillary Structures
Room: 205
Time: 9:00 – 9:50
We'll discuss hot topics with Ancillary Structures, ranging from the new Ancillary Structures Design Guide to showcasing some innovative solutions deployed on the program. Presenters: Michelle O'Neill, Mike Krcmarik (MDOT), Dani Booms, Terry Johnson (HNTB)

Cutting Time, Capturing Truth: Transforming Field Collaboration with Station + Offset Imagery: A Case Study in Digital Stationing from MDOT's I-96 Corridor
Room: 205
Time: 10:05 – 10:55
If a picture is worth a thousand words, then how much value can a geotagged, time-stamped picture from a jobsite deliver to the taxpayer? This interactive session explores the labor savings and error reduction outcomes using the OnStation location app in the MDOT Grand Region. ROWE Professional Services presents various construction inspection use cases. You'll emerge understanding how digital stationing replaces traditional way-finding by leveraging the tools, skills, and devices field crews already possess today. Presenters: Tom Fox (MDOT), Mike Heiss, Jeff Ouderkirk (ROWE PSC), Angela Arnold (OnStation)

Rebuilding I-475: Design and Construction of the North Segment in Flint
Room: Banquet 7
Times: 9:00 – 9:50 10:05 – 10:55
Following the 2023 Partnering Workshop discussion on the I-475 Corridor PEL Study, this session highlights the successful design and construction of Phase I—from the Flint River Bridge to Carpenter Road. The project incorporated community-driven enhancements, right-sized freeway lanes, and replaced a 530-foot, six-span bridge with a new 500-foot, three-span structure.
Attendees will gain insight into the design decisions, construction challenges, and innovative solutions that shaped this urban corridor, including the erection of the 200-foot river span and management of unexpected subsurface conditions. The session will conclude with a preview of Phase II, scheduled to begin construction in 2026. Presenters: Trevor Vincke (MDOT), Ed Strada, Eric Stone, Zak Webber (HNTB)

Pivot Points: Flexibility and Partnership in the US-31 Corridor Project
Room: Banquet 7
Times: 11:10 – 12:00 2:45 -3:35
This session explores how flexibility became essential to the success of the US-31 Corridor Project. Participants will learn how the team adapted to changing conditions — from shifting public sentiment and stakeholder needs to unanticipated design challenges and phasing adjustments. The presentation highlights real-world techniques for responsive design, collaborative problem-solving, and strengthening local agency partnerships through transparent communication and trust-building. Design success depends on more than geometry. This session will explore how MDOT and Clark Dietz adapted to evolving challenges on the US-31 project near Traverse City—from public engagement pivots and construction schedule changes to design refinements and stakeholder coordination. Learn how embracing flexibility across disciplines, tools, and processes, built community trust, gained stakeholder buy-in, and resulted in a more resilient, responsive project. Presenters: Lucas Porath (MDOT), Brian Smith (Clark Dietz)

M-25 Shoreline Erosion Challenges
Room: Banquet 8
Times: 9:00 – 9:50 10:05 – 10:55
A case study along the Lake Huron shoreline documenting challenges to reconstruct a slope being attacked from above and below by water. Design consultants (SME and TetraTech) worked with the Huron TSC and Bay Region to develop design and construction recommendations to reconstruct the approximately 35-foot-tall bluff situating M-25 above the Lake Huron shoreline. Groundwater seepage and marine erosion contributed to instability of the bluff that required reconstruction to protect M-25. Presenters: Mike Phillips (MDOT), Scott Roosa, Jeff Krusinga (SME), Jayson Nault (Tetra Tech)

SBE/DBE/MPP updates and round table discussion
Room: Banquet 8
Times: 11:10 – 12:00 2:45 – 3:35
Ebony Alexander (MDOT Small Business Lead) will provide an update on changes to the SBE/MPP landscape over the last year followed by an open discussion with a panel of SBE/MPP firms. The audience will be engaged in the conversation and encouraged to participate. Hear about the latest updates for SBE/DBE/MPP and how MDOT plans to proceed in the future. Enjoy an engaging and interactive panel discussion to hear different perspectives. Presenters: Ebony Alexander (MDOT), Matt Hunter (HNTB), Lauren Warren (Cincar Consulting Group, LLC), Jonathon Kolbasa (Value Engineering)

Following the Money: How Our Transportation Projects Are Funded
Room: 201
Times: 11:10 -12:00 2:45 – 3:35
This session helps to demystify how transportation projects are implemented by tracing the funding streams that pay for them. We'll break down the federal-aid framework—how the Highway Trust Fund and IIJA drive formula apportionments and competitive grants—and explain the roles of FHWA and state DOTs in planning, programming, and obligating funds. We'll unpack common revenue sources (fuel taxes, registration fees, tolls), financing tools, and local options that often provide the crucial match. We'll also touch on emerging trends such as declining purchasing power of gas tax revenues, EV adoption trends, and road usage charge pilots. Presenters: Bill Hamilton (House Fiscal Agency – State of MI), Lina Chapman, Matt Lyle (MDOT), Casey Potts (RS&H)

Moving the Game Forward: Mobility Planning for Detroit City FC's AlumniFi Field
Room: 201
Times: 9:00 – 9:50 10:05 – 10:55
As Detroit City prepares for construction of its new AlumniFi Field, this session explores the mobility planning efforts that will support a safe, efficient and accessible fan experience. The project team conducted interviews with other professional soccer clubs across the United States to learn from their operational successes and challenges, applying those insights to the Detroit context. Attendees will gain an overview of the proposed site and stadium operations, a summary of traditional traffic impact studies, and an analysis of multimodal solutions – including transit integration, micromobility options, and pedestrian connectivity. The session concludes with planning level estimates for the DCFC site, informed by comparable facilities nationwide. Presenters: MDOT (TBD), Adam McArthur (WSP)

Michigan Rehabilitation Services/MDOT Veteran Internship Program Presentation
Room: 205
Time: 11:10 – 12:00
This would include: 1) 15 minutes to present about services for businesses that MRS offers; 2) 15 minutes to present about individuals with disabilities to open up a MRS case; 3) 15 minutes to present about MDOT's Veteran Internship Program. Presenters: Justin Skibin, Kirsten Grady (MI Rehab Services), Melvin (Jay) Durnell (MDOT)

Understanding Positional Accuracy of Subsurface Utilities
Room: Governors
Time: 9:00 – 9:50
Transportation projects routinely encounter potential conflicts with subsurface utilities in the public right-of-way. These can be evaluated when following consistent standards and performing quantitative and qualitative analysis to reduce the risk that the conflicts arise during construction. This presentation will quantify the accuracy from owner plans, to geophysical designations, to exposure based on real projects across the Metro Region and will also explore the ways to improve positional accuracy. Presenters: Karl Brandys (MDOT), Tyler Dawson (NTH Consultants)

Delivering Model-Centric Transportation Projects with Bentley Infrastructure Cloud
Room: Governors
Time: 10:05 – 10:55
Michael Baker is delivering model-centric design by federating ORD roadway models and OBM bridge models in Bentley Infrastructure Cloud (IC) for web-based reviews, measurements, cross-sections, visualization, forms-based issue tracking to enhance QA/QC, and clash detection—reducing rework and clarifying intent before bid. Michael Baker tailors Infrastructure Cloud as a turn-key solution and implements workflows to suit the specific requirements of each client, ensuring flexibility and alignment with project goals and owner needs. We will share lessons learned and best practices from high-profile projects in Ohio, Minnesota, and Pennsylvania to communicate the tangible benefits that leveraging Infrastructure Cloud provides to the owner, engineer, and contractor. Projects included in the presentation are the MnDOT 494-35W Design Build project, MnDOT's first design build project delivered in ORD featuring a 4-mile urban interstate highway reconstruction with 6 interchanges, the PennDOT SR 6 project, PennDOT's first Digital Delivery project requiring a contractual IFC model as the legal deliverable, and ODOT WOO-23 project, ODOT's first digital delivery pilot project featuring a rural roundabout. Presenters: Trevor Lachance, Michael Kuhns (Michael Baker International)

Driving Digital Accessibility
Room: 103-104
Times: 9:00 -9:50 10:05 -10:55
Learn why digital accessibility is essential, what laws and policies you need to know, and how to ensure documents and content created by MDOT employees, consultants and contractors meet required standards.
Presenter: Courtney Bates (MDOT)

Right-of-Way – The Road Ahead
Room: Banquet 5
Time: 10:05 – 10:55
Learn what's happening in Real Estate as we transition to GIS Right-of-Way maps and get ready to implement Right-of-Way Parcel Overlay (ROWPO). We'll also provide a high-level overview of the Right-of-Way process and discuss how it may impact your project schedule. Presenter: Teresa Vanis, Amos Kamp (MDOT)

MDOT Bridge Design and Construction Update
Room: 202
Times: 11:10 – 12:00 2:45 – 3:35
This presentation will summarize important bridge design policy and detail updates that have been made over the past year and highlight updates being worked on. We will also share lessons learned from the past bridge construction season to help designers and construction observers identify items to be aware of. Presenter: Kyle Kopper (MDOT)

Advancing Work Zone Safety: MDOT's Roadmap for Implementing Automated Safety Cameras
Room: Governors
Time: 11:10 – 12:00
With Governor Gretchen Whitmer signing automated safety enforcement into law in December 2024, Michigan is moving into the next phase: careful, coordinated implementation. This session will focus on MDOT's strategy for launching the new program, including the steps required to procure a third-party administrator, develop statewide specifications, and establish criteria for where and when cameras will be deployed. Attendees will learn which work zones will qualify (MDOT projects lasting 30+ days, with workers present and no concrete barrier), how MDOT will collaborate with industry partners, and what the rollout timeline is expected to look like. Lindsey Renner and Ken Kepke will share how MDOT is preparing internally and working with stakeholders to integrate automated enforcement into Michigan's broader work zone safety efforts. Presenters: Lindsey Renner, Ken Kepke (MDOT)

UAS Mesh Communications Test Deployment - Part 2 Results!
Room: 205
Time: 2:45 – 3:35
WSP led a research project for MDOT, evaluating C-ITS and DSRC to support communications among crewed and uncrewed aircraft and ground vehicles. Utilizing existing infrastructure, the team tested BVLOS operations, focusing on interoperability and reliability. The study offered recommendations for spectrum use and system architecture, aiming to create a scalable, statewide UAS traffic management system and improve multimodal coordination. Presenters: Linn Smith (MDOT), Ethan Fulton (WSP)