

# MONDAY

## Monday at a Glance

8:00 – 8:05 a.m.	<b>PLENARY SESSION</b> IHEEP Welcome	
8:05 – 8:20 a.m.	Iowa Welcome	Des Moines Ballroom
8:20 – 8:50 a.m.	Keynote	
8:50 – 9:10 a.m.	FHWA Update	
9:10 – 9:30 a.m.	Open Data Standards	
9:30 – 10:00 a.m.		<b>Break</b>
10:00 – 11:00 a.m.	State Roll Call	Des Moines Ballroom
11:00 a.m. – 12:00 p.m.	Vendor Recognition	Des Moines Ballroom
12:00 – 1:00 p.m.	Lunch	Des Moines Ballroom
12:30 – 2:00 p.m.	Student Presentations	Salon E
2:00 – 2:45 p.m.	Panel Discussion: Digital Construction Perspectives from the Field	Des Moines Ballroom
2:45 – 3:15 p.m.		<b>Break</b>
3:15 – 3:25 p.m.	Intro to ADCMS	Des Moines Ballroom
3:25 – 4:15 p.m.	ADCMS Grant Discussion	Des Moines Ballroom
4:15 – 5:00 p.m.	Panel Discussion: Leveraging Digital Delivery at State Agencies	Des Moines Ballroom
5:00 – 6:00 p.m.		<b>Free time</b>
6:00 – 8:00 p.m.	Vendor Reception	Des Moines Ballroom
8:00 – midnight		<b>Hospitality Suite</b>

# TUESDAY

## Tuesday at a Glance

	Salon ABC	Salon D	Salon E	Salon FGH	Windows
	CADD management	International Presentations	Data Architecture Management	UAS	Workshop
8:00 – 8:30 a.m.	OpenRoads Designer for Drainage and Utilities – Workspace Tips and Lessons Learned	New Environmental Friendly Tolling System in Croatia	BIM for Infrastructure Update and Collaboration	FAA / Federal UAV Updates	Open
8:35 – 9:05 a.m.	MaineDOT and EnvisionCAD: Opening Roads to Digital Delivery in Maine	BIM Usage in Austria	Why Geospatial Information Systems (GIS) are key to Building Information Modeling (BIM)?	From Pilot to Scale: Lessons from MassDOT's Drone Training for Bridge Safety	
9:10 – 9:40 a.m.	Transitioning of the Sign Design workflow at Montana DOT	A2 Bean and Ebbsfleet Junction Digital Construction	From Fragmented Data to Enterprise-Scale Integrated Intelligence: The Intelligent Connected Data Environment Revolution	All Things UAS with KYTC	
<b>Break</b>					
	MALD	Data Governance	3D Design	UAS	Workshop
10:15 – 10:45 a.m.	The Keys to Digital Delivery Pilot Program Success	Iowa DOT Data Business Plan & Geospatial Strategy – An Implementation Journey	Hunt's Point Bridge Replacement 4D/5D Construction Simulation	Utilizing UAS LiDAR for Rockfall Detection: A case study in the Columbia River Gorge.	<b>Data Field Walk</b>  Have you ever wondered if your data can stand up to the rigor of field use? This workshop will provide an opportunity to see how data can walk to provide useful interactions in the field.
10:50 – 11:20 a.m.	TxDOT Digital Delivery Program: General Program Update	MSDOT When we Build it, They Will Come...	Guiding Industry Growth: The Tools and Innovations to Help 3D Programs Grow	Utilizing Drones and LiDAR to Enhance Construction Efficiency	
11:25 – 11:55 a.m.	Ohio DOT's First BIM Pilot: Testing and Planning Phase	Establishing a digital delivery framework for the next generation of asset and construction management systems	Utilizing Programmatic Templates for Complex Bridge Components	Drone Use for DOT Construction Projects: A Case Study in Risk Mitigation	
<b>Lunch</b>					

	Salon ABC	Salon D	Salon E	Salon FGH	Windows
	Digital Field Inspection	Data Management – IFC	3D Design	AI Machine Learning	Workshop
1:00 – 1:30 p.m.	Migrating from Paper to Digital Plan Sets: Lessons Learned at Utah DOT	The Demystification of IFC	Is This Heaven?..... It's Iowa	From Paper to Digital: Enhancing Horizontal Construction Projects with AI and e-Ticketing	A Roadmap for State DOT Digital Delivery - A Synthesis of Best Practices
1:35 – 2:05 p.m.	Can my data do?...: A Case Study on Scaling Down Integration of E-construction to Local Agencies	The Next Step is Open: IFC Deliverable Pilot Project Preparation	A 3D Look at 3D Models for Construction	From Data Acquisition to Automated Workflows - A Federal, State, and International Perspective	
2:10 – 2:40 p.m.	Emergency Response - Leveraging Digital Construction Inspection Software to Expedite Repairing the Iowa 9 Blackhawk Bridge at Lansing, IA	Pennsylvania Turnpike Commission's Digital Delivery Program: Where Innovation Meets Infrastructure	WisDOT's Development of Their Construction Data Packet	How AI and Crowdsourced Data Helps Port Authority of New York and New Jersey Achieve 50% Cost Savings on Asset Inventory, and the Future Implications for Autonomous Vehicles	
<b>Break</b>					
	Digital Construction	Data Management – ProjectWise	Digital Workflows	MALD Panel	Roundtable
3:15 – 3:45 p.m.	No Contractor Left Behind, Engaging Contractors: Lessons Learned and Next Steps	Automation and Management of Data and ProjectWise With PowerShell	The Right Way to Modernize Right-of-Way Data: How Lifecycles, CAD to GIS, and Digital Delivery can Break Down Data Silos	From 'Shared Pains' to 'Shared Gains': Advancing Model as Legal Document Adoption with Design Thinking	UAS Roundtable
3:50 – 4:20 p.m.	Construction Starts With Planning	See How Virginia DOT Local Assistance Division Implemented ProjectWise Deliverables Management to Manage Locally Administered Projects	Navigating Digital Project Delivery: Oh, the Possibilities We Have at our Fingertips		
4:25 – 4:55 p.m.	Digital As-Builts for Asset Management: Connecting the DOTs via Digital Workflows	Successfully Implementing Bentley's ProjectWise Dynamic Managed Workspace Infrastructure from the DOTs to the Consulting Firms Using Those Workspace Standards	Digital As-Builts: Transforming Infrastructure Management with Digital Standardized Processes		
6:00 – 10:00 p.m.	<b>Bentley SIG – The Hall DSM</b>				
8:00 – midnight	<b>Hospitality Suite</b>				

# WEDNESDAY

## Wednesday at a Glance

	Salon ABC	Salon D	Salon E	Salon FGH	Windows
	MALD	Data Transfer Management	Bridges and Structures	UAS	Workshop
8:00 – 8:30 a.m.	Ensuring QMS Rigor and AI Trustworthiness in Engineering	Reaching for the Sky: Montana Digital Delivery Data Exchanges, Design to Construction	Parameter-Driven Creation of 2D Traditional Style Drawings, 3D Models, and Analytical Models: A Quantum Leap in Efficiency	The New Drone Infrastructure Inspection Grant Program: Get Your Shovels Ready	openBIM® Seeing is Believing - IFC in Action in the U.S. and Beyond
8:35 – 9:05 a.m.	Advancing Digital Delivery at the Vermont Agency of Transportation	MicroStation Integration with GIS at Iowa DOT	Revolutionizing Bridge Engineering with Generative AI: The OpenBrim Journey		
9:10 – 9:40 a.m.	Iowa 3D Design and Digital Delivery for Bridge IA 210 over I-35	Connecticut DOT's Connected Data Environment	Using a CIM Model for a \$1.4B Highway Project with a Large-Diameter Highway Tunnel		
<b>Break</b>					
	Digital Field Inspection	Open Data Management	3D Design	UAS	Workshop
10:15 – 10:45 a.m.	Innovative Construction Management Technology	Practical Adoption of ISO 19650 and Recent IFC Extensions in a Major Infrastructure Project	Advancing Fully Integrated Model Delivery	Navigating Beyond Visual Line of Sight (BVLOS) Rules for UAS	Structuring Information the ISO 19650-1 Way
10:50 – 11:20 a.m.	IADOT's Adoption of Digital Stationing	Driving Success with a Software-Agnostic Approach: Perspectives from Owners and Consultants	Rethinking The Preliminary 3D Design Model	Drone Use Cases in Tennessee	
11:25 – 11:55 a.m.	Finding Hope in the Slope: Using Lidar Technology to Overcome Curb Ramp ADA Compliance Challenges	Engage and Benefit from Transformative buildingSMART-USA Programs	Parametric BIM Libraries for NMDOT Drainage	Deployment and Regulatory Insights for Dock Based Unmanned Aerial Systems (UAS) in Transportation Infrastructure: Experiences from Caltrans and Alaska DOT	
<b>Lunch</b>					

	Salon ABC	Salon D	Salon E	Salon FGH	Windows
	Digital Construction Panel	Data Management	Survey	UAS	Workshop
1:00 – 1:30 p.m.	Accelerating the Transformation to Digital Project Delivery: The Importance of Collaboration Between Public and Private Sectors	North Houston Highway Improvement Project (NHHIP)	The Cost of Bad Surveys and Data	Transforming Airport Runway Inspection and Vegetation Clearance Using Drones and AI	Quality Management Guidelines for 3D Model-Based Project Development and Delivery
1:35 – 2:05 p.m.		Campfire Discussion – Normalizing Digital Workflows	Developing an OpenRoads Survey Model Deliverable: A Roadmap to Enhanced Survey Deliverables	3D Model Development Based on UASs and Smartphones Imagery for Construction Inspections	
2:10 – 2:40 p.m.		Digital Delivery in Iowa, Where Are We Now	Large Mobile Mapping Projects and Associated Challenges	Lessons Learned Using Air, Land and Water Based Unmanned Vehicles to Improve Data Collection, Safety and Reduce Inspection Costs at WisDOT	
<b>Break</b>					
	MALD	Asset Management	Construction	Technology and Workforce	Roundtable
3:15 – 3:45 p.m.	Building TxDOT's Digital Construction Vision	UDOT Right-of-Way: Building a Robust & Automated Asset Inventory	Hard Hats to Safety Helmets with RFID Safety Management System (ANSI Z78.1 Type 2, with RFID)	The War for Productivity: A Roadmap for Innovation in Civil and Infrastructure Workforce Development	UAS Roundtable
3:50 – 4:20 p.m.	3D Deliverables for Model as a Legal Document: First Steps on First Coast Expressway	The Importance of Training and Education for Asset Management	Statewide delivery of 3D roadway design models for construction	The Onus on the Designer	
4:25 – 4:55 p.m.	Project Development Process Improvement through Digital Delivery. Re-imagining the Way We Do Business in a Digital World	Parcel Data Integration for Iowa DOT Right-of-Way: A GIS-CAD Integration approach with FME Automation	Advanced methods for collecting accurate field data during construction inspection & how they relate to intelligent Digital As-Builts	Transforming Project Delivery: Implementing Digital Delivery Teams in Progressive Design-Build	
6:00 – 8:00 p.m.	<b>Banquet – Des Moines Ballroom</b>				
8:00 – midnight	<b>Hospitality Suite</b>				

# THURSDAY

## Thursday At A Glance

	Salon ABC	Salon D	Salon E	Salon FGH	Windows
	MALD / 3D Design	AI Machine Learning	3D Design	Industry Trends	UAS
8:00 – 8:30 a.m.	Managing Digital Delivery: A Guide for Project Managers	CLIP Plus: CAD to GIS Update	Deconstruction Digital Delivery: Finding Your Place	Using Generative Artificial Intelligence to Generate Powerful Insights in Civil Engineering Projects	UAS Vendor Data Collection
8:35 – 9:05 a.m.	If you can't Sign, Seal, and Secure Everything, it's not a MALD Project!	LiDAR/Imagery Data Collection, Asset Extraction with AI and Asset Management System for Boone County Illinois	PennDOT's Digital Project Infrastructure	GIS & Digital Delivery	
9:10 – 9:40 a.m.	ISO Standards for Implementation in OpenBIM Deliverables	Harnessing AI & Computer Vision for Safe Transportation Systems for All		A World of Opportunities	
<b>Morning Break</b>					
	Data for the Future	Bridge Data Processes	Digital Innovation	IFC for Bridge	UAS
10:15 – 10:45 a.m.	AECO's Digital Transformation: Observations & Experiences from NIBS and USACE	Lansing Black Hawk Bridge Digital As-Built Demonstration Project	Implementing Digital Delivery: From a Program to Piecemeal Approach	IFC Through the Lifecycle of a Bridge Project; PennDOT ADCMS	UAS Vendor Data Collection
10:50 – 11:20 a.m.	Applying ASCE Standards to Modernize Utility Infrastructure Management	Establishing a National BIM Transportation Library (NBTL) for the Advancement of BIM for Bridges, Structures, and Infrastructure	FDOT 3D in PD&E Guidebook		
11:25 – 11:55 a.m.	Iowa DOT: Modernizing Utility Infrastructure Management with Federated GIS	TPF-5(523) BIM for Bridges and Structures Open Data Standards: How can you start piloting?	Advancing Engineering Operations with GeoBIM at the PA Turnpike		
12:00 – 12:30 p.m.	<b>Grab-&amp;-Go Lunch – Des Moines Ballroom</b>				
12:30 – 3:00 p.m.	<b>Technical Tour - EFCO Forms or Zeigler Caterpillar</b>				
3:00 – 8:00 p.m.	<b>Free time</b>				
8:00 – midnight	<b>Hospitality Suite</b>				