

Underground Infrastructure Conference (UIC) 2025

Primary Education Program

TUESDAY, MARCH 4

	Track I Sewer/Water	Track II Sewer/Water	Track III Microtunneling/Tunnels	Track IV Asset Management	Track V Utilities/Energy	Track VI HDD	Track VII HDD	THEATER
8 – 8:25	Evaluation of Volatile Organic Compounds During CIPP: Critical Role of Resin Liners & Curing Methods	MICP Technology Success: Navigating Pipe Deflection Challenges in Wichita Botanica Gardens Rehab Project		Challenges of Developing Asset Management Plans (AMPs) for Small Utilities		Significance of Promoting a Healthy HDD Market		
8:30 – 8:55	Utilizing MOP 145 Design for the Front Street Interceptor CIPP Rehabilitation Project	From Dust to Gold: Pipe Reaming Renaissance in El Dorado, Kans.	Trenchless Shore Approaches: Role of Pipe Jacking and Direct Pipe for Various Applications			Case Study: Cross Bore Risk Mitigation for Telecom Installation in Fremont, Calif	Swivels: Design, Care & Maintenance	Small Gyro for Small Rig
9 – 9:25	Update on Health, Safety Concerns Regarding CIPP Styrenated Resins	The Perfect Fit? Unraveling FFRP's Close-Fit and Loose-Fit Showdown	Let's Go Deeper: DWU's Cedar Crest Water Line Replacement	The Data All Lives in a Yellow Submerged Thing: Corpus Christi Water Inspects 101-Mile Pipeline in Single Run			Slurry Microtunnelling Methods and HDD: Alternatives & Complements	
9:30 – 9:55		Water Pipe Bursting, New Way to Replace Aging Water Infrastructure in Fort Worth	Saving Trees & Installing Tees (bases); Routing 4 Miles of 48" Sewer Main through San Antonio Parks Trail System	Measure Today, Secure Tomorrow: Ultrasound Scanning's Role in Critical Pipeline Condition Data	Myth- Busting: Investment vs. Benefits of Undergrounding Electric Facilities	Increased Safety in HDD Installations using Bore Planning		
10 – 10:25	Woodson Village Water and Wastewater Rehabilitation	Fiberglass: Revolutionizing Water Infrastructure Management	Lessons Learned: Sanitary Sewer Project Converted to Pilot Tube Method	US-EPA's 'Clean Watershed Needs Survey' Results Compared to Field Surveys			Lowest Tooling Cost Per Foot – Case Studies	
10:30 – 1:30	EXHIBITS/LUNCH	EXHIBITS/LUNCH	EXHIBITS/LUNCH	EXHIBITS/LUNCH	EXHIBITS/LUNCH	EXHIBITS/LUNCH	EXHIBITS/LUNCH	11 a.m.-12 p.m. Top Safety Leadership Answers Questions on Underground Safety EXHIBITS/LUNCH
1:30 – 1:55	Back River Outfall Interceptor Rehab – An Open Discussion	Water Leaks and Corrosion Interference Currents		Developing a Smart Virtual Assistant Tool for Sewer Asset Management <i>Hossein Khaleghian, Yongwei Shan</i>	Managing Scaleup Challenges: Fiber Optic Deployment & Pipeline Integrity Monitoring Innovations for Long-Distance Pipelines	Subs, Cross-Over Adapters & Pipe Threads	Drilling Mud, Additives, Solidification & Testing Equipment	
2 – 2:25	Lessons Learned During Trenchless Planning, Design, and Construction			Airbus Multi-Sensor Autonomous Inspection Device Fire Line Leak Detection	Damaged Steel Pipelines: Composite Wrapping Method, Other System Components for Maintaining Operational Continuity	Drill Pipe Maintenance, Inspection & Repair	Using Real-time Drilling Data for Improved Risk Management	
2:30 – 2:55	Seeing the Light: Practical Approaches to UV-Cured and Reinforced CIPP Lining Design			NASSCO PACP: How Can Your City Benefit?			Benefits of Increased Rotary Speeds on Maxi HDD Units	

WEDNESDAY, MARCH 5

	Track VIII <i>Sewer/Water</i>	Track IX <i>Sewer/Water</i>	Track X <i>Sewer /Water</i>	Track XI <i>Emerging Technology</i>	Track XII <i>HDD</i>	Track XIII-A <i>Energy Pipelines: Corrosion</i>	Track XIII-B <i>Energy Pipelines: Construction</i>	EXHIBIT HALL/ THEATER
8 – 8:25	KEYNOTE ADDRESS Randy Macchi, Director of Houston <i>Public Works</i>			Unmanned Confined Space Inspections	Effects of Power and Frequency on Penetration Range and Data Rates	Post Hydrotest to Commissioning or Mothballing of Pipelines, Safe Alternative to Traditional Practices	Intro Panel: Policies & Regulations	8 a.m.-12 p.m. Confined Space <i>Dennis Pivin</i>
8:30 – 8:55				3D Mapping of Subsurface Utilities	Contractors Roundtable – All	Navigating the Crowded & Electrified Underground: Advanced Detection of AC/DC Interferences for Sustainable Infrastructure	Part 1: INGAA on regulation, outlook	
9 – 9:25	Construction Methods Driving Utility Design Along TxDOT's IH35 CapEx Central (LBL Section)	Utility Contractor Goes Above and Beyond to Honor Pledge to City	Setting Up Projects with More Bid Appeal for Contractors: Friendswood's Trenchless Trio of Methods	Replacing Asbestos Cement Pipe by Close Tolerance Pipe Slurrification (CTPS)	Champlaign Hudson 10,400 LF of 20" Steel Casing HDDs with Zero Welding or Pipe String-Out	Corrosion Solutions for Underground Assets	Part 2: Impacts of Election and Other Political Fallout (Rice Baker Institute)	9:30-10:55 Contractors Panel: Changing Face of Pipeline Construction in Wake of Green Energy
9:30 – 9:55	Preserving Casper's Infra-structure: Large-Diameter Pipeline Trenchless Rehabilitation Project	West Texas Development: Responding to Increasing Wastewater Flows in Downtown Lubbock	Trying to Reason with the Hurricane Season					
10 – 10:25		Performance Evaluation of Embedded Stormwater Chambers Under Simulated Highway Truck Loads	Critical Role of Documentation and Inspection in Construction Success	Ice Pigging: Advanced Pipe-Cleaning Technology			11-11:30 Hydrogen Construction Outlook: Challenges, Limitations, Potential	
10:30 – 1:30	EXHIBITS/LUNCH	EXHIBITS/LUNCH	EXHIBITS/LUNCH	EXHIBITS/LUNCH	EXHIBITS/LUNCH	EXHIBITS/LUNCH	EXHIBITS/LUNCH	11 a.m.-12:30 p.m. HDD Hall of Fame Interactive Conversations
1:30 – 1:55	Surviving Submittals	Is Same-Day Watermain Rehabilitation Possible?	Panel: A River Runs Through it ... Twice!	Optimizing Detention System Releases to Mitigate Localized Flooding Impact	Safest Solution for Crews Working Exit-Side HDD Operations		Owners Panel: State of Construction Plans & Capital Investment, Near- and Long-Term	
2 – 2:25	Advances in Remaining Useful Life Analysis for Large-Diameter Pipelines	Inflow and Infiltration Abatement in Sanitary Sewer Systems		Extending Pipe Service Life Using BEM	Contractors Roundtable – Telecom			
2:30 – 2:55	Pipe Bursting Success: Identify and Mitigate Risk	Over the River and Through the... River	Avoiding Headaches in Construction Phase & Post-Construction Services					

THURSDAY, MARCH 6

	Track XIV <i>Sewer/Water</i>	Track XV <i>Sewer/Water</i>	Track XVI <i>Sewer/Water</i>	Track XVII <i>Engineering Ethics Course</i>	Track XVIII <i>Pipeline Safety/SUE</i>
8 – 8:25	Harnessing the Power of AI to Enhance Pipeline Monitoring & Leak Detection	New Era of Utility Mapping: How AI is Redefining Infrastructure Projects & Subsurface Utility Ecosystem	Revolutionizing Asset Management with Digital Twins: Enhancing Safety and Efficiency in the Oil, Gas, and Utility Sectors	Texas Civil Engineering Ethics Course	Preventing Pipeline Damage: Contact 811 (PHMSA, USDOT)
8:30 – 8:55			Inspector and CM Workforce Development: Utilizing Human Factors Technologies to Drive Performance Improvements		Opportunities for Physical Pipeline Barriers in the USA
9 – 9:30	Manhole Rehab That Matters	Scanning Critical Host Pipes through Carbon Fiber, CIPP & SIPP Applications Using BEM Technology by Elite Pipeline			