

Institute Tracks	Institute
New Design Guidelines in Geo-engineering Practice	GI
AI assisted Geotechnical Engineering Design	GI
Raising the Grade, Deliberately! Managing Risk in Tunnel Projects	GI
Upgrading Existing Earthen Levees to Prevent Urban Flooding with Pressed-in Sheet Piles	GI
Deep Foundation Design Utilizing Drilled Shaft Load Tests for Various Rock Formations	GI
Insights on Column-Supported Embankments and Pavements on Problematic Soils	GI
Utilizing Geophysical Investigation along with Conventional Drilling for Seepage Assessment and Slope Failure in Earthen Levee	GI
Rapidly Advancing Technology Towards Smarter Infrastructure and Safer People	SEI
An S-Curved Tied Arch & An Overnight Success: Design and Construction of the Northaven Trail Pedestrian Bridge	SEI
Deicing Bridges Using Geothermal Energy: A Case Study in Fort Worth	SEI
Bridge Asset Condition Maintenance and Improvement through Logical and Cost-Effective Intervention	SEI
Non-Destructive Evaluation of a Newly Constructed Bridge Deck Affected by Plastic Settlement	SEI
Performance-Based Design Framework for CFRP Retrofitted Bridge Piers Subjected to Vehicular Collision	SEI
Field Testing of Recycled Steel Fiber-reinforced Concrete	SEI
Utilizing advances in H&H modeling within a City Standards framework	EWRI
Wait, you used the Rational Method for Detention Ponds in HEC-HMS? You're CRAZY!	EWRI
Planning for Natural and Manmade Threats to Utilities and Infrastructure	EWRI
Managing Water in River and Reservoir Systems: Water Resources, Institutional Practices, and Constructed Infrastructure in Texas	EWRI
Sustainable Pipeline Design and the ENVISION Rating System	EWRI
Dam Safety Toolbox, Online resource	EWRI
The Nexus between Academia and Public Service - Involving Students and General Public to Solve Drainage Issues	EWRI

Important Changes in TxDOT Professional Services Contracting	TDI
Surveying for Digital Delivery	TDI
Wind Energy Related Transportation in Texas: Challenges and Opportunities	TDI
Design and Construction Recommendations for Concrete Pavements: Highways, Industrial Pavements, City Streets and Local Roads.	TDI
Driving Tomorrow's Highways: Innovative Corridors Pioneering Future Mobility	TDI
The Use of AI Technology for Mapping Utilities at Scale	TDI
Multimodal Corridor Planning: Connecting with the Past, Present, and Future of Transportation	TDI

Break out Sessions

DFW Airport's International Parkway Modernization
Design/Build Project

Building Bridges: Engaging and Informative Public
Involvement

Continuous fiberoptic sensing of underground assets for
intrusion detection, leak detection and event location as
wells as geotechnical and seismic insights

NON-DESTRUCTIVE TESTING IMPROVING INSPECTIONS
AND ASSISTING FORENSIC ENGINEERING

Asset Management: Moving the Needle

Leveraging Artificial Intelligence for Management of
Construction Projects

Raise the grade by implanting new bloods

Transit Oriented Development

Providing Access to All – Leveraging technology to expedite
accessibility improvements; by Chad E. Hall (STV, Inc.)

TX ASCE IRC Parks and Recreation Update and How
Reinvestment can Help Economies & Communities.

Managing the Risks of Deferred Design

Keeping Wastewater Asset Management Digestible

Risk Management: Reshaping Uncertainty into Opportunity