



Conference Preview

NASTT 2025 NO-DIG SHOW | MARCH 30-APRIL 3 | DENVER, CO



2025 Planning Committee Member List

Chris Knott *BT Trenchless*

Jake Andresen Staheli Trenchless

Ben Campbell The Tunneling Company

Maureen Carlin Garver

Kyle Freedman Brierley

Alan Goodman HammerHead Trenchless

Kim Hanson Hazen and Sawyer

Joe Lane Aegion

Andrea Long City of Aurora

Tiffanie Mendez Sunbelt Rentals

Cindy Preuss CDM Smith

Drew Sparks Laney Directional Drilling

Craig Vandaelle Michels





Technical Program Committee Member List

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Garver

Andrew Sparks

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John Altinvurek

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Chad Andrews

Azuria Water Solutions

Samuel T. Ariaratnam Arizona State University

Cory Baker

HardRock Infrastructure Services

Paul Bearden

HDR - Houston

Sam Brancheau

Terracon

Daniel Buonadonna Jacobs Engineering Group -World HQ

Craig Camp GHD

Norman Chen

Kiewit Engineering Group Inc.

Brad Conder

Azuria Water Solutions | Insituform Technologies

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Azuria Water Solutions

Jake Crowe

Hinterland Group Inc

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Sanexen Water Inc.

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WSP USA

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Siggi Finnsson
Digital Control Inc.

Rodney Allen Fredericks Mott MacDonald

Kyle Friedman
Brierley Associates Corporation

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Kim Hanson

Hazen and Sawyer

David Haug Black & Veatch

Michael Tanner

Michael Jaeger

Frik Hicks

DC Water

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Vijay Shankar Jeyakrishnan Delve Underground

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Equipment

John Jacob Kraft Trenchless Technology Center

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Tiffanie Gabrielle Mendez Sunbelt Rentals, Inc.

Mark Miller

GeoEngineers

Bill Moore

Jim Murphy

UniversalPegasus International

Chair

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Mohammad Najafi University of Texas at Arlington

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Bennett Trenchless Engineers

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Claude H. Nix Construction

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Matthew Olson *GEI Consultants, Inc.*

Brendan O'Sullivan

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Town of Normal Public Works

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Paul Pasko

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Phill Perron
The HDD Company

Kalyan Ram Piratla Clemson University

Cindy Preuss

Branako Primm Burns & McDonnell

Thomas Pullen

Brierley Associates Corporation

George Ragula Ragula Tech

Kaleel Rahaim

Ehsan Rajaie University of Texas at Arlington

Ashley Rammeloo City of London

Jon Robison

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Camille George Rubeiz Plastics Pipe Institute

David Sackett

Brierley Associates Corporation

Ghassan Saket

M.E. Andrews and Associates Limited o/a Andrews.Engineer

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HDR - Minneapolis

Chris Schuler Miller Pipeline Corporation

Veysel Firat Sever CDM Smith

James Shelton Arcadis

Aswathy Sivaram

Black & Veatch

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CCI & Associates, Inc.
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Richard O. Thomasson,
Independent Contractor

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Kathryn Wallin

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Sam Wilbur

Delve Underground

Jim Williams
Brierley Associates Corporation

Kyle D Williams WSP

WSF

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Blake Wyatt Sunbelt Rentals, Inc.

Amy Snipp
North American Society for
Trenchless Technology

■ Vice Chair ■ Track Leaders



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NASTT 2025 No-Dig Show Host Hotels



ABOUT THE HOST HOTELS

- Hyatt Regency Denver at Colorado Convention Center
- 2 AC Hotel Denver
- 3 Sonesta Denver Downtown
- 4 Hampton Inn & Suites Denver Downtown Convention Center

All hotels are within a short, walking distance to the Colorado Convention Center!

Make sure you book your hotel room using our discounted block link listed on nastt.org

THE EVENT SPACE

The Colorado Convention Center is a multi-purpose convention center located in Downtown Denver. With 2,200,000 square feet of event exhibition and conference space.

DENVER, CO





NASTT Awards Program

The NASTT awards program recognizes the commendable achievements and remarkable accomplishments of the individuals and companies associated with the trenchless technology industry.

NASTT Hall of Fame

This award honors
NASTT members
who have made
outstanding
accomplishments
and exceptional
contributions to the
advancement of the North
American trenchless industry
and NASTT.

The Hall of Fame awards will be presented at the Casino Royale event on Tuesday, April 1.

NASTT Chair Award For Distinguished Service

This award

acknowledges individuals who have selflessly given of their time and talents to enhance the Society and the industry. The person selected for the Chair Award is the decision of the NASTT Chair.

The NASTT Chair Award for Distinguished Service will be presented at the Casino Royale event on Tuesday, April 1.



Ralston Award For Young Trenchless Achievement

This award applauds savvy NASTT members under 36 who have demonstrated excellence early in their career by making valuable contributions to the trenchless technology industry, achieving noteworthy professional success, and actively participating in NASTT or its regional or student chapters. With their talent and ability, these impressive people are the future of trenchless.

The Ralston Award for Young Trenchless Achievement will be presented at the Opening Breakfast on Monday, March 31.

NASTT Volunteer Award

The Volunteer
Award recognizes
members who
exemplify the
mission, vision
and core values
of NASTT and
make an impact in the
trenchless industry through their
dedication, leadership and
volunteer contributions to
NASTT during the past year.
Recipients are chosen at the
discretion of the NASTT Staff.

The NASTT Volunteer Award will be presented at the Opening Breakfast on Monday, March 31.

Abbott Innovative Products & Services Award

This award celebrates companies with a state-of-the-art product or service making a significant impact in advancing the trenchless industry in the areas of rehabilitation or new installation. All applicants will discuss their product at the Innovative Products Forum at the No-Dig Show.

The Abbott Innovative Products & Services Awards will be presented at the Opening Breakfast on Monday, March 31.





03.29.25

SATURDAY Schedule

■ NASTT Board Meeting	
9:00 AM - 3:00 PM	Room 102
■ NASTT Planning & Technical Program Co	mmittee Meeting
3:30 PM - 5:00 PM	Room 104
■ NASTT Planning & Technical Program Co	mmittee Reception
5·00 PM – 6·30 PM	Unner D Lobby



03.30.25

SUNDAY Schedule

Attendee & Exhibitor Registration 7:00 AM - 6:00 PM	C Lobby
■ Speaker Ready Room 7:00 AM – 4:00 PM	Room 201
Introduction to Trenchless Technology – New Inst 8:00 AM – 12:00 PM	
Introduction to Trenchless Technology – Rehabilit 8:00 AM – 12:00 PM	
■ Pipe Bursting Center of Excellence Meeting 12:00 PM - 12:30 PM	Room 104
NASTT Chapter Chair and Vice Chair Meeting 12:00 PM - 1:00 PM	Room 102
■ NASTT Chapter Meetings 1:30 PM - 4:00 PM See Website for Details and Room Assignments	
Annual General Meeting (Current NASTT Membership Required) 4:00 PM - 5:00 PM	Room 104
Student Orientation Meeting 4:00 – 5:30 PM	Room 107
Mile High Mixer (Ticketed Event) 5:00 PM - 7:00 PMFour Seas	sons Ballroom 1
■ NASTT Past Chair Dinner (Ticketed Event) 7:00 PM - 11:00 PM	Offsite





Insituform® Corrpro® MTC® Underground Solutions® C&L

COME SEE US AT BOOTH 601

Our trenchless solutions and industry-leading products for water, wastewater, and conduit applications offer leak-free performance, minimize installation disruptions, and restore public services quickly and cost effectively.

MONDAY Schedule

03.31.25

T:00 AM - 5:00 PM
■ Speaker Ready Room 7:00 AM − 4:00 PMRoom 201
■ Opening Breakfast (Ticketed Event) 8:00 AM - 9:30 AMFour Seasons Ballroom 1-2
■ Technical Paper Session (Track 1-7) 10:00 AM - 11:55AMRooms 102, 103, 104, 107, 108, 111, 112
Exhibit Hall Ribbon Cutting Ceremony 12:00 PM - 12:10 PM
Exhibit Hall Open & Lunch 12:10 PM - 2:30 PM Exhibit Hall C
■ Student Research Poster Competition 12:10 PM - 2:00 PM Exhibit Hall C
■ Technical Paper Session (Track 1-7) 2:30 PM - 4:00 PMRooms 102, 103, 104, 107, 108, 111, 112
Exhibit Hall Open 4:00 PM - 5:30 PM Exhibit Hall C
■ Meet, Greet, Drink & Eat - Networking Event 5:30 PM - 6:30 PMExhibit Hall C



MONDAY Morring

TRACK = ROOM	TRACK 1 = 103	TRACK 2 = 107	TRACK 3 = 111		
TRACK TITLE	Microtunneling	HDD	Trenchless 101		
TRACK LEADER	DAVE SACKETT	KIM HANSON	BRIAN DORWART		
10:00 - 10:25	■ MM-T1-01 Successful Shallow Microtunneling in Venice, Florida	■ MM-T2-01 Crossing The Coosa – Dismissing Historical Assumptions to Provide a Trenchless Solution	■ MM-T3-01 Trenchless Installation Calculations for High Density Polyethylene		
10:30-10:55	MM-T1-02 Overcoming Geotechnical and Groundwater Challenges with DSPT in Hot Springs, AR	MM-T2-02 Mawan Power Upgrading/Renovation Natural Gas Pipeline Project: Mawan Power Plant to Dachan Island	■ MM-T3-02 Trenchless Manhole Rehabilitation: Success is in the Details - Trenchless 101 Session		
11:00-11:25	■ MM-T1-03 Boulder Main Sewer Improvements Phase 2 Sanitary Sewer Project	■ MM-T2-03 A Tale of Two HDDs: Crossing the Harbor Channel and Installing a New Ocean Outfall in Ventura, California	■ MM-T3-03 Visualizing the Fundamentals of Sound HDD Design		
11:30-11:55	Constructing Shafts through 200+ Cobbles and Boulders - Challenges and Successes of the Contract 5B Trenchless Crossing	■ MM-T2-04 If at First You Don't Succeed: A Case History of a Difficult HDD Crossing of the Mighty Fraser River	■ MM-T3-04 HDD Intersect Method – Why and How?		

MONDAY Afternoon

TRACK - ROOM	TRACK 1 = 103	TRACK 2 = 107	TRACK 3 = 111	
TRACK TITLE	Direct Pipe	HDD	Emerging Technologies	
TRACK LEADER	PAUL BEARDON	MARK MILLER	NORMAN CHEN	
2:30-2:55	■ MA-T1-01 Direct Pipe – Multi Pass Installations Expand Trenchless Capabilities	■ MA-T2-01 Innovations and Lessons Learned from a World Record Length, Large Diameter Subaqueous HDD Crossing Project in Southeastern Virginia	■ MA-T3-01 The Role of Mechanized Shaft Sinking with VSM in Inner-City Applications	
3:00-3:25	■ MA-T1-03 A Case Study in Direct Pipe® Thrust Load Prediction	■ MA-T2-02 Evaluation of Hydraulic Fracture Risk Under Regulated Levees for Updated USACE ER 1110-1-1807	■ MA-T3-02 The Electrifying Labyrinth: Navigating the Complexities of Trenchless Cable Installations	
3:30-3:55	■ MA-T1-03 World Record 56" Direct Pipe® Landfall Installation	■ MA-T2-03 Installation of Three Force Mains Crossing Hempstead Bay in Nassau County New York by Horizontal Directional Drilling	■ MA-T3-03 Design of DSPT Method for Offshore Wind Landfall Using Tailored Computer Programs and Parameter Sensitivity Analysis	

■ Electrical

TRACK 4 = 102	TRACK 5 = 104	TRACK 6 = 108	TRACK 7 = 112
Emerging Technologies	CIPP	Wastewater Pipeline Rehabilitation	Condition Assessment
CORY STREET	KALEEL RAHAIM	JACOB CROWE	JAMES SHELTON
■ MM-T4-01 Close Tolerance Pipe Slurrification (CTPS) for the Replacement of Asbestos Cement Pipe	■ MM-T5-01 Aging Infrastructure, Wildlife, and Wetlands: CIPP Lining of a 72-inch Sewer Interceptor in Palo Alto	■ MM-T6-01 From Innovation to Commercialization: A Look at the Next Generation of Spray-In-Place-Pipe (SIPP) Trenchless Rehabilitation Technologies	■ MM-T7-01 Does Al Make a Difference? Case Studies of Al's Impact on Multi-Year Collection Systems Management
MM-T4-02 Big Pipes, Big Data: Advances in Metallic Pipeline Condition Assessment	■ MM-T5-02 CIPP-UV Cure to the Rescue: Stafford County Gains First Hand Experience on UV-Cure of 24-inch Sewer Under I-95	■ MM-T6-02 Richmond Large Diameter Geopolymer Sewer Rehab 2018 to 2024. A Look Back and Current Day.	■ MM-T7-02 Challenges in Planning and Implementing Watermain Non-Destructive Testing
Unique Products Certification Challenges: Proposing Proactive Testing Strategies for Evaluating Technical Performance of Innovative Trenchless Technologies Within and Beyond Certifications	■ MM-T5-03 Tapered Liner Emergency Trenchless Rehab of an 1800's Egg-Shaped Brick Sewer	■ MM-T6-03 Ultra-Violet Cured-In-Place-Pipe Lining of Deer Creek Trunk, a Large Diameter Sewer with Complex Site Constraints	MM-T7-03 Age is Just a Number: Shotcrete and Carbon Fiber Extend the Life of an 1860s Aqueduct in Washington, D.C.
■ MM-T4-04 Optimizing Lift Station Performance using Hybrid Trenchless Pressure Pipelining	■ MM-T5-04 A Unique Strategy to Rehabilitate Multiple Large Diameter Gravity and Pressurized Sewer Pipelines	■ MM-T6-04 Obstructions Facing CFRP Strengthening of the CIP Liner in the West Trunk Sewer Pipe - Mississauga, Ontario	Sanitary Sewer Force Main Assessment in Phoenix - Different Solutions for Different Locations

TRACK 4 ■ 102	TRACK 5 = 104	TRACK 6 = 108	TRACK 7 = 112	
Pilot Tube	Manhole	Gas	Trenchless Research	
JON ROBISON	PAUL PASKO	JOHN ALTINYUREK	ASWATHY SIVARAM	
■ MA-T4-01 Lessons Learned: Sanitary Sewer Project Converted to Pilot Tube Method	■ MA-T5-01 Structural vs. Non-Structural Manhole Rehabilitation	■ MA-T6-01 Bears, Bent Frames and No Time. Lessons Learned in Remote Mountain Top Annular Grouting	Which Method Should We Use for Estimating the Pmax in HDD? Let's Figure This Out Together Once and for All!	
■ MA-T4-02 Five Trenchless Methods Under One House – 5600 S Widening at I-15 in Utah	■ MA-T5-02 Inspection of the LOIS Buoyant Interceptor	■ MA-T6-02 Pipe in Place Surveys of Trenchless Installations	■ MA-T7-02 HDD Cost Saving Methods & Techniques for Fusible PVC Conduit Installation - Champlain Hudson Power Express	
■ MA-T4-03 Pilot Tube TBD	■ MA-T5-03 A Tale of Two Cities and a Large Diameter Deteriorated Sewer with In-line Geometric Transitions	MA-T6-03 Gas TBD	Improvements in Effective Stress Estimations in Trenchless Excavations in Soil	



Join us at the 2025 No-Dig Convention in Denver, CO! We're thrilled to announce that BTrenchless will showcase a

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Why Visit Us?

- **Expert Advice from Our Team of Trenchless Technology Specialists**
- Discuss the Latest Trenchless Advancements
- Free Swag & Giveaways
- Be the First to Preview our New Look

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TUESDAY Schedule

04.01.25

Attendee & Exhibitor Registration
7:30 AM - 5:00 PM C Lobby
■ Morning Wake Up Station
7:30 AM – 8:30 AM Session Room Hallway
■ Technical Paper Session (Tracks 1-7)
8:00 AM – 10:55 AM Rooms 102, 103, 104, 107, 108, 111, 112
■ Exhibit Hall Open & Lunch 11:00 AM - 1:30 PM Exhibit Hall C
■ Technical Paper Session (Tracks 1-7) 1:00 PM - 3:00 PM Rooms 102, 103, 104, 107, 108, 111, 112
1.50 1 101 5.00 1 101
■ Exhibit Hall Open 3:00 PM - 5:00 PM Exhibit Hall C
■ Casino Royale (Ticketed Event)
6:00 PM - 10:00 PM Four Seasons Ballroom 1-2





TUESDAY Morning

TRACK - ROOM	TRACK 1 = 103	TRACK 2 = 107	TRACK 3 = 111
TRACK TITLE	Microtunneling	HDD	Project Planning & Delivery
TRACK LEADER	ANIL DEAN	KATE WALLIN & MARY NEHER	GUS O'LEARY
8:00-8:25	■ TM-T1-01 Closing the Gap in the Perris Valley Pipeline Using 120-inch Diameter Microtunneling	■ TM-T2-01 Record-Length Application of Interlocking Jointed Steel Casing in the East River Crossing HDD for the Champlain Hudson Power Express® Project	■ TM-T3-01 Is Low Bid the Best Bid? Prequalifying to Ensure Suitable Contractors and Subcontractors
8:30-8:55	■ TM-T1-02 Deer Creek Intake Project: Microtunneling, Bypass, and Intake Design	TM-T2-02 Compact Pit Launched Directional Provides Answer for 540 Sewer Lateral Installations in Sensitive Native American Settlement Area	TM-T3-02 Optimizing Noise Management in HDD Projects: Accuracy, Feasibility and Cost Efficiency
9:00-9:25	■ TM-T1-03 Managing Risks for Rock Microtunneling Through the Left Abutment of Deer Creek Reservoir Dam, Utah	TM-T2-03 League City 36-inch Transmission Main HDD- Insights Gained from Three HDD Installations on a 36-inch Transmission Line	TM-T3-03 Collaborative Solutions for the City of Tampa's Harbour Island Force Main Replacement
9:30-9:55	■ TM-T1-04 Microtunneling Under Historic Infrastructure in New England in Challenging Ground Conditions	■ TM-T2-04 HDD for Installation of Airfield Lighting Can Extend Pavement Life and Reduce the Danger of Foreign Object Debris for Aircraft	TM-T3-04 Lessons Learned on Alternative Delivery of Trenchless Projects - What Every Owner Should Consider
10:00-10:25	TM-T1-05 Brunette Avenue: Direct Steerable Pipe Thrusting in a Congested Urban Environment for the Trans Mountain Expansion Project	TM-T2-05 Transforming Real-time Drilling Data Using Advanced Software Solutions for Improved Risk Management in HDD	TM-T3-05 Railroad Crossings via Trenchless Methods
10:30-10:55	TM-T1-06 Hitting the Mark: Crossing the Guadalupe River with the Second Vertical-Curved Microtunnel in the United States	TM-T2-06 The Power Beneath: Overcoming Challenges in HVDC Cable Installation for Offshore Renewables	TM-T3-06 Alternatives to Lump Sum in Horizontal Directional Drilling Projects

TRACK 4 = 102	TRACK 5 = 104	TRACK 6 = 108	TRACK 7 = 112
Pipe Bursting	CIPP	Wastewater Pipeline Rehabilitation	Condition Assessment/Inspection
GEORGE MALLAKIS & MIKE WOODCOCK	BILL MOORE & AMBER WAGNER	TIFFANIE MENDEZ	MAUREEN CARLIN & DREW SPARKS
■ TM-T4-01 Pipe Bursting 101	■ TM-T5-01 Emergency CIPP Repair of PCCP Process Piping at Wastewater Treatment Facility	■ TM-T6-01 Don't Drain the Pond; Rehabilitating the City of New Bedford's Grape Street Collector Sewer	"TM-T7-01 "The Data All Lives in a Yellow Submerged Thing" Corpus Christi Water Inspects 101-mile Mary Rhodes Pipeline in Single Run
TM-T4-02 Omaha Metropolitan Utility District Performs In-House Pipe Bursting Project for Major Potable Water Flow Improvements	■ TM-T5-02 Moonlight State Beach Triple 72" Culvert Rehabilitation with UV CIPP	TM-T6-02 Challenging Rehabilitation of a Trunk Sewer Using Sprayed Geopolymer Lining in Ontario, Phase II	■ TM-T7-02 I/I Reduction Success – How Lateral Lining Achieved 80% Reduction in I/I
■ TM-T4-03 The Future of the National Electric Grid: Trenchless Technology's Role	TM-T5-03 The Effect of Porosity in Needled Felt CIPP on Short-Term and Long-Term Flexural Properties	TM-T6-03 Technical Nuances to Applying Spiral Wound Lining to Sewers with Complex Diversions	■ TM-T7-03 Design and Repair of the Kingsbury Run Branch A Culvert Failure with a Permanent Shotcrete Lining
TM-T4-04 Pipe Bursting Proof of Use for Water Main Replacement: Insights from WSSC Water Pilot Project	TM-T5-04 Styrene Emission During Cured-in-Place Pipe Installation: A Comparative Analysis of Polyester and Epoxy Resin Liners	■ TM-T6-04 Safety Culture and High-Performance Products Key Elements to Knoxville Live Sewer Pipeline Rehabilitation Project	Designing Spray Applied Cementitious Liners for Buried Pipe Structures Using an Engineering Solution That Recognizes the True Soil-Structure Interaction Response
■ TM-T4-05 Oro Loma Sanitary District Sewer Replacement Program Using Pipe Bursting	■ TM-T5-05 Preserving Casper's Infrastructure: A Large-Diameter Pipeline Trenchless Rehabilitation Project	■ TM-T6-05 Spiral Wound Rehabilitation in New York City	TM-T7-05 Structural Rehabilitation of a Critical 54-inch Sanitary Force Main in Downtown Tampa
■ TM-T4-06 Pipe Bursting Provides Solution for Difficult Ductile Iron Force Sewer Main Replacement in Minnesota	TM-T5-06 South Englewood, Colorado 92" Stormwater Pipeline CIPP Rehabilitation, Innovation and Advancements to Overcome Multiple Construction Challenges	■ TM-T6-06 Rehabilitation of Lake Hills Interceptor Sewer in King County, Washington with PVC Spiral Wound Liners	TM-T7-06 Critical Design Consideration for a River Crossing Trunk Sewer Rehabilitation - Erin Mills Sanitary Trunk Sewer, Region of Peel, Ontario

TUESDAY Afternoon

	TRACK = ROOM	TRACK 1 = 103	TRACK 2 = 107	TRACK 3 = 111		
	TRACK TITLE	Large Diameter Tunneling	HDD	Project Planning & Delivery		
	TRACK LEADER	KYLE WILLIAMS	CORY BAKER	BRENDAN O'SULLIVAN		
	1:00-1:25	■ TA-T1-01 Denver International Airport Runway and Taxiway Instrumentation and Monitoring	■ TA-T2-01 Large Diameter HDD Steel Pipe Design and Installation Challenges in Hillsborough County, Florida	■ TA-T3-01 Trenchless 101 - Planning for Not-So-Trenchless Large Diameter Trenchless Rehab: Lessons Learned & Case Studies		
\ <u></u>	1:30-1:55	■ TA-T1-02 1 Tunnel, 2 Pipes, 3 Shafts: Water Main Installation Below the Occoquan River	TA-T2-02 Introduction of Horizontal Investigation as an Alternative Ground Investigation Method	■ TA-T3-02 Optimization of Mechanical Properties of High Strength Reinforced Cured-in-Place Pipe (CIPP) Liner Composites for Urban Water Infrastructure Rehabilitation		
	2:00-2:25	■ TA-T1-03 West Gates Dirty Industrial Water Pond Expansion Project: Tunnel Design Challenges at Denver International Airport	■ TA-T2-03 Second Time's the Charm - Challenges Encountered During the Stoney Brook River Crossing	■ TA-T3-03 HDD Design with Construction in Mind		
	2:30-2:55	■ TA-T1-04 Overcoming Challenges While Tunneling at the Jersey Shore	■ TA-T2-04 PacWave South Trenchless Construction – Geotechnical Considerations	TA-T3-04 Multiple Trenchless Crossings of US 98 at Tyndall AFB - Navigating FDOT Rules, Site Constraints, and Installer Capabilities		





■ Electrical

I	TRACK 4 ■ 102	TRACK 5 = 104	TRACK 6 = 108	TRACK 7 = 112
	Grouting	Pipe Ramming	Sliplining	Annual Contractor Forum/ TT Project of the Year
	FIRAT SEVER	BRENT JOHNSON	CHAD ANDREWS	ANDREW SPARKS
	■ TA-T4-01 A Track Record of Pipeline Assessment and Rehabilitation: A 10-Year History of Sewer Collection System Improvements in Plymouth, MA	■ TA-T5-01 Pipe Ramming, Splitting, and Blasting Through Railroad Ballast Obstructions to Install 72-inch Culvert	■ TA-T6-01 Stormwater Box Culvert Gravity Sewer Slipline	■ TA-T7-01 Annual Contractor Forum
	■ TA-T4-02 Emergency Investigation and Trenchless Repair of a 48-inch Diameter Sanitary Sewer Interceptor Crossing at Interstate I-49	■ TA-T5-02 Rehabilitate or Replace Weber Basin's North Salt Lake Pipelines?	■ TA-T6-02 Rehabilitating a Nearly Century-Old Non-Circular Tile Lined Outfall Sewer Near Active Railroads in the Heart of Los Angeles	
	■ TA-T4-03 Reducing Trenchless Tunneling Risks: The Role of Permeation Grouting	■ TA-T5-03 Life's Certainties: Death, Taxes, and *hit Flows Downhill	■ TA-T6-03 Rehabilitating Los Angeles County Sanitation Districts' Largest Diameter Trunk Sewer - Joint Outfall B Unit 1A - The Saga Continues	■ TA-T7-03 Trenchless Technology Magazine Projects of the Year Forum
	■ TA-T4-04 Case Studies in Emergency Water Control	■ TA-T5-04 Navajo Nation Municipal Pipeline HDD Installation	TA-T6-04 Rehabilitating a 100 Year-Old Lock Bar Water Transmission Main – Completing the Job	





Meet, Greet, Drink & Eat NETWORKING EVENT & SILENT AUCTION

NASTT's 24th Annual Educational Fund Auction held during the Meet, Greet, Drink & Eat Networking Event in the Exhibit Hall.

The Annual Educational Fund Auction helps raise money for important causes. Due to your generosity, NASTT is able to provide targeted trenchless training and courses to the industry, publish resource manuals and sponsor university students' attendance to the NASTT No-Dig Show, as well as award scholarships. *Text NASTT25* to 243725 to start bidding or make a donation!

50/50 Raffle and \$5,000 Cash Prize Drawing

Win some cash for yourself and help our Educational Fund! Buy your 50/50 Raffle tickets through the auction website. The winner will be drawn during the Auction on March 31 and you **MUST** be present to win! The winner splits the cash pot with the fund.



The \$5,000 cash prize drawing, sponsored by Vermeer, is back! All Full-Conference attendees will automatically be entered to win and anyone can buy additional tickets through the auction website. The winner will be drawn during the Auction on March 31 and you **MUST** be present to win!

For more information visit nastt.org/no-dig-show/auction/

MONDAY, MARCH 31

5:30-6:30 PM

Exciting Auction Items

Bid all day via your mobile device on great items like electronics, wine, spirits, industry items and more!

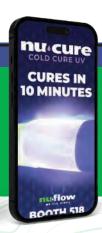
And join us in the Ballroom on Monday evening for food drinks and networking!

Bidding is open to anyone in North America and items will be shipped to winners.

DOWNLOAD THE ND25 APP!







Visit nastt.org/no-dig-show/show-app/for more info!

WEDNESDAY Schedule

04.02.25

Attendee & Exhibitor Registration
7:30 AM – 12:00 PM C Lobby
■ Morning Wake Up Station
7:30 AM – 8:30 AM Session Room Hallway
■ Technical Paper Session (Tracks 1-7) 8:00 AM – 9:55 AM Rooms 102, 103, 104, 107, 108, 111, 112
Exhibit Hall Open & Lunch
9:00 AM – 12:00 PM Exhibit Hall C
NASTT Good Practices Courses Day 1
1:00 PM- 5:00 PMRooms 102, 103, 104, 107, 108, 111, 112



WEDNESDAY Morring

	• '				
TRACK = ROOM	TRACK 1 ■ 103	TRACK 2 = 107	TRACK 3 = 111		
TRACK TITLE	Auger Boring	HDD	Construction Project Management		
TRACK LEADER SAM BRANCHEAU		MARK MILLER	STEPHANIE NIX-THOMAS		
8:00-8:25	■ WM-T1-01 Challenges Faced in Horizontal Auger Boring Within High Strength Basalt Under Two High-Pressure Gas Pipelines	■ WM-T2-01 Challenging HDD Crossing in Northern Alberta: NPS 48 Product Pipe Installation with Over 70m (230 ft) in Elevation Change	■ WM-T3-01 Failing Our Way to Success		
8:30-8:55	■ WM-T1-02 You Can Bet on Trenchless: Waterline Replacement on the Las Vegas Strip	■ WM-T2-02 "Trenchless Restoration of Recycled Water Delivery Under the Napa River in Northern California Wine Country"	■ WM-T3-02 Communication is Key: Lessons Learned in Coordinating a Horizontal Directional Drilling Megaproject Across New York State		
9:00-9:25	■ WM-T1-03 Beneath the Frost: Trenchless Technology for Winter Resilience	■ WM-T2-03 Application of the Concept of Probabilistic Risk Assessment for the Borehole Stability Evaluation in Horizontal Directional Drilling	■ WM-T3-03 Pipe Ramming for the Frogs		
9:30-9:55	■ WM-T1-04 Design Considerations for Thrust Blocks	■ WM-T2-04 Horizontal Directional Drilling (HDD) Alignment and Tensile Force Optimization Using Metaheuristic Algorithms	■ WM-T3-04 Taking a Shot at the Rehabilitation of a 114" Brick Sewer Down Stream of a Distillery in Louisville, Kentucky, USA		



■ Electrical

TRACK 4 = 102	TRACK 5 = 104	TRACK 6 = 108	TRACK 7 ■ 112	
Pipe Bursting/Pipe Pulling/Pushing	Emerging Technologies	Water Main Rehabilitation	Wastewater	
MICHAEL JAEGER	INSHIK PARK	BRENT LINDELOF	DAVID HAUG	
■ WM-T4-01 Trenchless Replacement of Distribution Watermain in North Branch, Minnesota	■ WM-T5-01 Comparison of AI vs Human Condition Assessment of Sanitary Sewers in Boston, MA	■ WM-T6-01 Municipal Pipe Bursting Program: Looking Back at More Than a Decade of Successful Water Main Pipe Bursting Replacement at Consolidated	■ WM-T7-01 City and County of Denver - Jackson Street Storm Drain Improvements	
■ WM-T4-02 Raleigh Water, North Carolina, Upsizes 8-inch Gravity Sewer to 12-inch Via Pipe Bursting in a Major Throughfare	■ WM-T5-02 HDPE Pipe Wall Thickness for Earthquakes	■ WM-T6-02 Evaluating the Buckling Effects of Groundwater Hydrostatic Pressure on Polymeric Spray Applied Pipe Liners	■ WM-T7-02 Tunnel Construction Considerations - A Primer for Beginners	
■ WM-T4-03 Applying Compression Capabilities of Fusible PVC to Trenchless Installation Methods	■ WM-T5-03 Mechanical Response of Legacy Pipelines Rehabilitated with Trenchless Technologies: Comparison of Tensile Coupon and Full-Scale Test Results	■ WM-T6-03 Kansas River Bridge Water Main Transmission Crossing Rehabilitation with FFRP	■ WM-T7-03 Trenchless Winches Key to Massive Sliplining Project for NYC Sewage Regulator Chamber	
■ WM-T4-04 Experimental Assessment of Pipeline Systems Under Biaxial Loading for Trenchless Applications	■ WM-T5-04 Ice Pigging - Advanced Technology That Reduces the Need for Excavation Prior to a Pipe-Cleaning Project	Performance Assessment of Manufactured in-Place Composite Pipe Through Full-Scale Sustained Pressure Testing: A Case Study in Collaboration	WM-T7-04 More Than a Decade of Large Diameter Pipe Rehabilitation Using Geopolymer From One Contractors Perspective	



HDPE PE4710 PIPE

The Best Choice for Water Systems

TOP 10 Features & Benefits	HDPE	D. Iron	Sample References
Applications: Potable Water (Lead Free), Raw Water, Reclaimed Water, and Wastewater	~	~	AWWA C901, C906, C151, and NSF 61 * Health Effects of HDPE Pipes and Fittings for Potable Water Applications, NSF 2024
Open Cut Construction: Design and install per AWWA Standards and Manuals	~	~	AWWA M55, M41 + MAB-3, MAB-6
Trenchless Construction: Material of choice for HDD, Pipe Bursting, Sliplining, and Compression Fit	~	8	ASTM F585, F1962, F3508 + MAB-5, MAB-7, MAB-11
Fully Restrained Joint-Free System: Minimize need for fittings to facilitate horizontal and vertical deflections	~	×	AWWA M55, M41
Longevity & Corrosion: Pipes, Fittings, and Joints have the least potential for corrosion or tuberculation	~	\otimes	Durability and Reliability of Large Diameter HDPE Pipe for Water Mai Applications, EPA/WRF/WERF 2015 + The Critical Need for Corrosion Management in the Water Treatement Sector, NACE 2019 + PPIPPACE.com + Long Term Aging of Polyethylene Pipes, UKWIR 202
Flow Capacity: New pipes have similar flow capacity per AWWA Standards and Manuals	~	~	AWWA MSS, M41 + PPIPACE,com
Water & Energy Conservation: Fused joints have zero allowable water leakage and zero infiltration	~	×	AWWA M55, M41 + ASTM F2620, F3190, F3565 + MAB-1, MAB-2 MAB-8
Cost Effective: Has the lowest initial cost, lowest life cycle cost, and lowest restoration cost for trenchless installations	~	×	Life Cycle Analysis of Water Networks, CSIRO 2008 + Annual Drinkin. Water Quality Report for 2014, Kittery Water District, 5/31/2015
Resilient: Ability to resist ground movements due to droughts, freeze/thaw, earthquakes, hurricanes, with ability for flow control/squeeze off	~	×	Recent Earthquikes: Implications for U.S. Water Utilities, WRF 2012 Polyethylene Pipeline Performance Against Earthquike, Kubota 2018 MAB-9
Permeation/BTEX: Pipes and elastomeric joints need to be properly engineered for contamined conditions	×	(X)	AWWA C901/C906 and C111/C151, Sec. 4

Additional information including MAB-3 Model Spec Guide can be found at www.plasticpipe.org/mabpubs





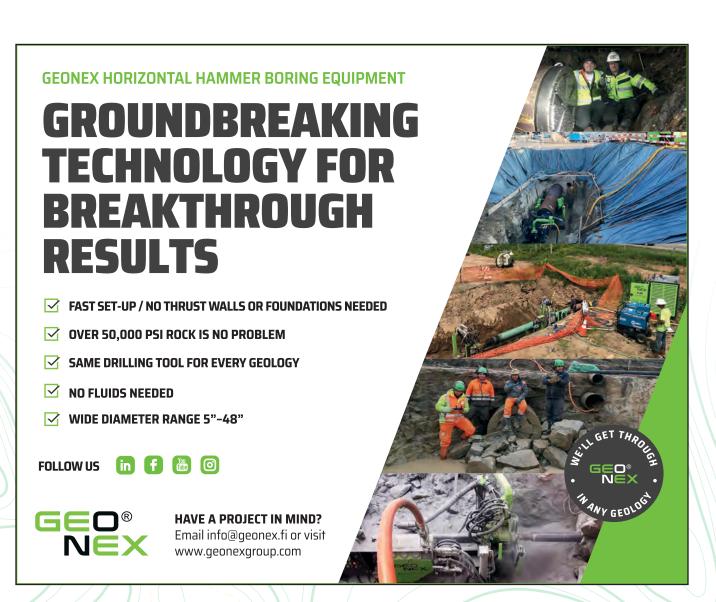
Visit us at No-Dig Booth 621

THURSDAY Schedule

04.03.25

NASTT Good Practices Courses Day 2

8:00 AM- 12:00 PM Rooms 102, 103, 104, 107, 108



NASTT 2025 No-Dig Show Exhibitors

EXHIBITORS

Exhibitor list is accurate as of 1/29/25

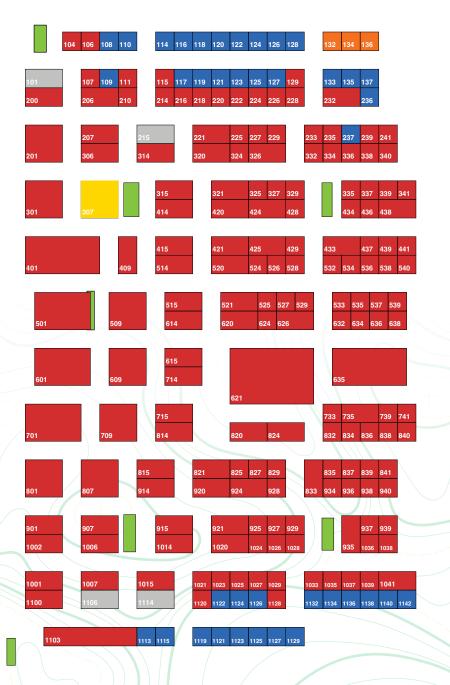
Company	Booth	Company	Booth	Company	Booth
Acoustical Control, LLC	840	Global Materials Company	924	Pro-Pipe, Inc.	216
AECOM	1014	Global Underground Corporation	935	PSILAB, LLC.	210
Akkerman	715	GN Solids America LLC	229	Puris Corp.	515
Allied Trenchless	221	Graco Inc.	934	R&R McClure Excavations Pty Ltd	1035
American Mfg HDD Products	937	HammerHead Trenchless	901	Raedlinger Primus Line Inc.	320
American Pipeline Solutions	1026	HardRock Infrastructure Services	239	Rain for Rent	428
American West Construction	834	HB Trenchless, LLC	535	RapidView IBAK North America	401
AOC Formulations	914	Hebei Huayuan Science and		Rausch Electronics USA, LLC	1002
Aqua-Pipe/FER-PAL	1015	Industry Co., Ltd.	929	Reline America	301
Aries Industries, Inc.	635	Herrenknecht Tunnelling Systems	615	Robar Industries Ltd	638
Avanti International	528	HOBAS Pipe USA	920	Robbins	441
Azuria Water Solutions	601	Holly Pipe Corp.	425	Ruby-Collins, Inc	1023
Bald Eagle Pellet Co.	220	HTS Pipe Consultants Inc.	532	SAERTEX	325
Ballard Marine Construction	733	Huxted Trenchless/Northeast	400	Sauereisen, Inc	540
BGC Engineering, Inc.	218	Remsco Construction Inc.	409	Sealing Systems, Inc.	632
Bit Brokers International	939	Hydra-Flex, Inc.	1025	SEKISUI SPR Americas, LLC	415
Bond Civil & Utility Construction, Inc.	1007	Hydro-Klean, LLC	1036	Sherwin-Williams	509
Bothar Inc	315	Imerys	424	SIPP Americas LLC	838
Brawo Systems	1128	IMPREG LLC	338	Snowbridge Inc.	226
Brierley Associates Corporation	827	Innovations Amplified	521	Soleno	1020
Brownline USA	814	INROCK Drilling Systems, Inc.	636	SpectraShield Liner Systems	1028
BTrenchless	709	Integrity Rail Products	336	SprayRog Inc.	829
Burns & McDonnell	925	Interplastic Corp.	514	Staheli Trenchless Consultants	420
Carboline	421	IPEX USA	714	Stantec	820
Cardinal Infrastructure Services	224	J. Fletcher Creamer & Son, Inc.	225	Stiver Engineering	214
Carroll Technologies Group	227	J.W. Fowler	429	Strack, Inc.	938
Carylon Corporation	735	Jacobs Engineering Group	915	Structural Technologies	815
CCI and Associates	314	JENNMAR Civil	1100	Sunbelt Rentals, Inc.	414
Century Products Inc.	232	Kaiser Premier LLC	324	Super Products LLC	614
CETCO Minerals Technologies	835	Kiewit Engineering Group Inc.	228	Terracon Consultants, Inc	839
Channeline International Fiber		Kilduff Underground Engineering, Inc.	1038	The Haartz Corporation	1033
Glass Manufacturing LLC	1120	Kondex Corporation	529	The Tunneling Company	1029
CJGeo Contractors	534	Logan Clay Products	741	Thompson Pipe Group	201
COLE Publishing Inc	537	Madewell Products Corp.	539	Trans Lease, Inc.	837
Core & Main	609	Master Builders Solutions	115	Transwest Truck Trailer RV	1103
CPM Pipelines	233	Mears Group, Inc.	821	Trenchless Rental Solutions	936
Crest Insurance Group	341	Michael Byrne Manufacturing	1039	Trenchless Technology Center @	
CUES, Inc.	106	Michels Corporation	501	Louisiana Tech University	436
Danby, LLC	335	Midwest Mole, Inc.	927	Trenchless Technology Magazine /	
Delve Underground	533	Miller Pipeline Corporation	525	Benjamin Media	438
Derrick Corporation	337	Mincon Group	111	Trinity Products	928
Digital Control Inc	907	Minger Construction Co., Inc.	832	TRUVAC	538
Doetsch Environmental Services	1024	Minicam	1041	TT Technologies	701
Drilling Mud Direct	340	Mott MacDonald, LLC	206	Underground Infrastructure	
DrilRite Chem LLC	327	NorthStar Fluid Solutions	104	Technologies, LLC	439
Edge Al Solutions	836	Northwest Pipe Company	527	Underground Magnetics Inc.	1006
Elgin Separation Solutions	524	NozzTeq	841	Underground Tools Inc.	1027
Emagineered Solutions, Inc.	433	NuFlow Technologies	921	Universal Pegasus International	334
Engineering & Construction		OBIC	1021	Vac-Con, Inc.	200
Innovations, Inc. (ECI)	235	Olson Construction Law, P.C.	825	Vacuum Truck Rental	437
Environmental Noise Control	620	Omega Liner Company, Inc.	833	Vector Magnetics	329
Faction Fusion	434	On Point HDD	801	Vermeer Corporation	306
Frontier Precision	107	PICA Corporation	536	Vortex Companies	222
Future Pipe Industries	339	Pipeline Renewal Technologies	1001	Warren Environmental Inc.	321
FyfeFRP, LLC	624	PipeTech Software	739	Waterline Renewal Technologies	207
Garver	129	Plastics Pipe Institute	621	Westlake Pipe & Fittings	326
GEI Consultants, Inc.	634	PLG Technologies	1037	WSB	526
Geonex, Inc.	807	Precision Pipe & Products	940	WSP	520
Geotree Solutions	626	PREDL, Inc	332	Xylem Dewatering Solutions, Inc.	824
			/ [/		

Make sure to book your booth by the March 14 deadline!

FLOOR PLAN

The NASTT No-Dig Show will give you access to exhibits showcasing trenchless products and services for the repair, replacement and installation of underground utilities. The exhibit hall is filled with innovative trenchless products that may be just what you're looking for on your next trenchless jobsite.

Visit https://s2.goeshow.com/nastt/nds/2025/exhibitor_exhibit_map.cfm to view the floor plan in real time.



NASTT 2025 No-Dig Show Sporsors

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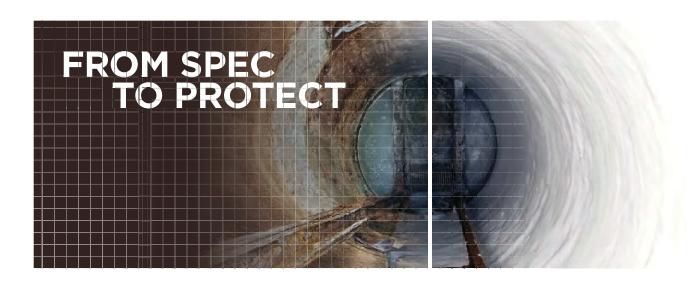












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- 54" L x 43" W x 57" H
- 150-ft Bore Length



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HORIZONTAL RORING TOOL

Gets you from the main to the residence with minimal disruption. High production boring for lead pipe replacement.

- 16 models
- •1 3/4" 7" in diameter







nastt.org/no-dig-show

The NASTT No-Dig Show offers numerous **networking events** and a chance to enjoy a little fun with industry leaders in addition to extensive track sessions, educational opportunities and exhibit floor.



Mile High Mixer

(Ticketed Event)

Sunday, March 30 5:00 PM - 7:00 PM Four Seasons Ballroom 1



Opening Breakfast *

(Pre-registration Required)

Monday, March 31 8:00 AM - 9:30 AM Four Seasons Ballroom 1-2



Ribbon Cutting Ceremony & Exhibit Hall Opening

Monday, March 21 12:00 – 12:10 PM Hall C Foyer



Meet, Greet, Drink & Eat -Networking Event

Monday, March 31 5:30 - 6:30 PM Hall C



Exhibit Hall Social Hours

(Cash Bars)

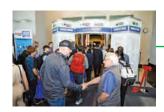
Tuesday, April 1 3:00 – 5:00 PM Hall C



Casino Royale

(Ticketed Event)

Tuesday, April 1 6:00 – 10:00 PM Four Seasons Ballroom 1-2



Last Call in the Hall – Exhibit Hall Open

Wednesday, April 2 7:30 AM - 12:00 PM

* This ticketed event is included for Full Conference attendees.