



**TOWN
+GOWN:
NYC**

**Under the Ground.3
4 WTC, 43rd Floor, HRA Dumpson Center
June 5, 2025, 8:45 AM—5 PM**

**It's 10 P.M., January 1, 2075
Do We Know Where Our Subsurface Infrastructure Is, Actually?
Can We Get to It Easily to Minimize Disruptions?
Do We Still Have Subsurface Spaghetti?**

(1.5 PDH for each of the three one and a half hour sessions)

8:45 AM—9:00 AM

Sign-in

9:00 AM—9:15 AM

Welcome and Introduction

- Terri Matthews, Director, Town+Gown:NYC @ NYC DDC

9:15 AM-10:45 AM

Location-Based Innovations in Managing Subsurface Risk: NYC

- Adam Barin, NYC Mayor's Office of Operations, **NYC 3D Underground Initiative**
- Jacob Bortz and Anthony Bauer, Exodigo, **Detangling the Subsurface in Dense Urban Environments**
- Debra Laefer, New York University, Tandon School of Engineering, Department of Civil and Urban Engineering, **Excavation Permits for Urban Policy Insights**
- Frankie Lau, Manhattan Construction, Infrastructure, NYC DDC and Peter Roloff, Resident Engineer, Tectonic Engineering, **Mass Excavation in Lower Manhattan**
- Joseph Lione, Coastal Resiliency, Construction, NYC DDC—**Trenchless Technology**
- Richard Jones, Infrastructure, NYC DDC and David J. Varoli, General Counsel, NYC DDC, **Joint Bidding in Action**

10:45 AM—11:00 AM

Short Break

11:00 AM—12:15 PM

Location-Based Innovations in Managing Subsurface Risk: Elsewhere

- Cesar Quiroga, Texas Transportation Institute, Texas A+M University, **Subsurface Infrastructure Location Technology Innovations**
- Chris Rogers, Department of Civil Engineering, University of Birmingham, UK, Schools of Civil Engineering, **Demystifying the Urban Underworld – A Foundation for a 50-Year Vision**
- Matthew Peterson, Chicago Department of Transportation, **The Benefits of Project Planning with Utility Data**
- Itzik Malka, 4M Analytics, **Unlocking the Future of Infrastructure**
- Wylie Tsang and Francesc Mirada, Arup, **Use of 3D Ground Modeling in Managing Ground Risks**

12:15 PM—12:45 PM

Discussion on NYC and Elsewhere Panels Presentations

Initial observations and considerations.

12:45 PM—2:00 PM

Lunch

To be obtained outside in 4 WTC environs and can be brought back to conference room if desired.

2:00 PM—3:30 PM

Future Utilidor Considerations

- Mark Reiner and Charan Kukunoor, Acuitas 3D, **Beyond the Break: Planning for Infrastructure Intelligence**
- Travis Anderson, City of Boston, Planning Department, Smart Utilities Program, **Subsurface Investigations and Innovation: Boston Smart Utilities in Action**
- Rae Zimmerman, New York University, Wagner Graduate School of Public Service, **Engaging Stakeholders for Strengthening Underground Infrastructure: Focus Group Findings**
- David Green, Arup, **Alternative Development: Infrastructure as a Multi-Project Program**
- Matthew Friesen, Jacobs, **Placemaking + Multi-Tasking Infrastructure**

- Paul Nicholas, AECOM, **Use of Trenchless Technology in Construction of Utilidors**

3:30 PM –4:00 PM

Short Break

4:00—5:00 PM

Discussion on Future Considerations Panel and Entire Day

More observations and considerations and thoughts on where we should go from here.

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