

ASSOCIATION ACTIVITIES DURING 2022 AND TO DATE

2022 George Fox Conference – New York City, NY

Theme: "Tunneling: Responding to the Needs of a Modern Society"

Attendance: 403

The conference set a record attendance and reinforced that the industry was back to getting together in-person, post-Covid. The keynote speaker was the Administrator for the Federal Transportation Administration, and Ms. Nurya Fernandez's presentation was very well received, signalling the large investments in underground infrastructure to come.

2022 North American Tunneling Conference (NAT) – Philadelphia, PA

The NAT is the premier biennial tunnelling event for North America, bringing together the brightest, most resourceful and innovative minds in the tunnelling and underground construction industry. The four-day conference focused on the information, advances and projects in North America, along with the victories and challenges of working in diverse environments

Attendance: 1,058

United States



Name: Underground Construction Association (UCA of SME)

Type of Structure: non-profit, open association

Number of Members: 1,737 (1,667 Individual / 60 Corporate & Sustaining)



The conference returned to in-person in 2022, with attendance levels about 95% of pre-Covid expectations. Everyone was glad to be able to get back together and benefit from congregating. A highlight was the presentation of the UCA Awards, recognizing excellence in individual and team achievement in the industry. The Awards were broadened in 2022 to better reflect the breadth of contributions made by and within the industry. The “Teach the Professors” program was revived in conjunction with NAT, and 12 university/college educators were informed and provided tools on why the industry is a great opportunity for their students.

2022 Cutting Edge Conference – Long Beach, CA

Theme: “Underground Innovation Benefiting Climate Change, Social Change and Sustainability”

Attendance: 300

Another record attendance number was set for this conference, as well. The single track session encourages attendees to look at cutting edge innovation being adopted and contemplated for the industry.

The UCA created the new Government and Public Affairs Committee (GPAC), designed to take a more focused and intensive view to fulfilling our strategic

objective of Stakeholder Awareness, and ensuring that decision makers are aware of the benefits of underground infrastructure investment.

The UCA’s nominated candidate for ITA ExCO, Ms. Sanja Zlatanovic, was elected during the GA at WTC 2022.

STATISTICS

List of tunnels completed

- Mill Creek Storage project
- Westside Purple Line 2
- Sister Grove
- Lower Pogues Run

CURRENT TUNNELLING ACTIVITIES

Project	Location	Tunnel Use	Length (ft)	Width (ft)
LA Outfall	Los Angeles, CA	Sewer	36,960	18
Hampton Roads Bridge	Norfolk, VA	Road	15,000	46
Lower Olentangy	Columbus, OH	Sewer	17,000	12
Shoreline Storage	Cleveland, OH	CSO	16,100	21
St. Louis Clean - Lower Meramec	St. Louis, MO	CSO	35,904	8
Thimble Shoal	Chesapeake Bay, VA	Road	5,280	42
Narragansett Bay CSO - Pawtucket	Providence, RI	CSO	13,000	28
Tarrant IPL - Section 19	Dallas, TX	Utility	10,944	12
Howard Street	Baltimore, MD	Rehabilitation	4,700	25
Brushy Creek Phase II	Austin, TX	Water	8,780	12
Ellicott City North	Ellicott City, MD	CSO	5,800	15
Big Walnut	Columbus, OH	Sewer	12,350	10
Ontario Airport	Ontario, CA	Subway	22,000	24
Potomac River CSO	Washington, DC	CSO	24,000	18
Bay Park Conveyance	New York, NY	CSO	18,500	8
Sumner Rehabilitation	Boston, MA	Road	5,700	22
Enbridge Line 5	Traverse City, MI	Oil	23,760	12

FUTURE TUNNELLING ACTIVITIES

1. Gateway Tunnel Project, NE Corridor, NY/NJ
2. US 64 Corridor K Tunnel, Polk County, TN
3. Delta Conveyance, Sacramento, CA
4. Sepulveda Pass, Los Angeles, CA
5. West Seattle Project, Seattle, WA
6. Silver Line Extension, Boston, MA
7. Continental Rail Gateway (Detroit-Windsor Tunnel), Detroit, MI
8. LA Westside Purple Line Extension - Phase 4, Los Angeles, CA
9. Red Line Blue Line Connector, Boston, MA
10. Ontario International Airport and Cucamonga Station Tunnel, San Bernardino, CA
11. Horizon Lateral Project, Las Vegas, NV
12. Connector Conveyance Tunnel, Ph IIIC, Providence, RI
13. CSO Control Parallel Interceptor, Newark, NJ
14. Gordon Butte Pumped Storage Hydro Project, Martinsdale, MT
15. Lowell Creek Flood Diversion, Seward, AK
16. Banks Lake Pumped Storage Project, Grand Coulee, WA
17. Harlem River Drive Ramp, New York, NY
18. Steel Bridge Replacement Tunnel, Portland, OR
19. Vermont Transit Corridor, Los Angeles, CA

EDUCATION ON TUNNELLING IN THE COUNTRY

- Colorado School of Mines
- Purdue University
- University of Texas
- University of Illinois – Champaign/ Urbana

2021 UCA Webinars

- 3/23/2022 - Discreet Event Simulation Model for Predicting Tunnel Boring Machine Utilization
- 7/27/2022 - East Don Roadway Microtunnel in the City of Toronto
- 10/4/2022 - Modern Leak Remediation of Existing Structures
- 11/16/2022 - Long Baseline Neutrino Facility (LBNF): Design Overview and Validation through Field Observations and Instrumentation and Monitoring (I&M)