

# UNITED STATES



**Name of Association:** Underground Construction Association (UCA), a division of the Society for Mining, Metallurgy & Exploration (SME)

**Type of Structure:** Non-profit membership association

**Number of Members:** 1,982, Number of corporate members: 54

## ASSOCIATION ACTIVITIES DURING 2023 AND TO DATE

In 2023, UCA membership grew 14%. The year was full of conferences and programs that produced valued content and record participation.

### Conferences

- The George A. Fox Conference, held on January 31st, 2023, in New York, NY, was attended by 481 participants.
- The Rapid Excavation and Tunneling Conference (RETC), held June 11th – 14th, 2023, in Boston, Massachusetts, drew 1,400 attendees and featured a record number of exhibit booths.
- The Cutting Edge Conference, held November 13th – 15th, 2023, in Austin, TX, had a record attendance of 327 and featured a field trip to the Brushy Creek

Regional Utility Authority.

- The George A. Fox Conference, held on February 8th, 2024 in New York, NY, had a record attendance of 515 participants.

### Programs

- The Student Outreach Committee or “Down for That” hosted eight tunnel tours and a full-day field course for students.
- Three academic and 30 conference participation scholarships were provided to students.
- The Teach the Professors program helped ten professors develop a tunneling and underground construction curriculum for implementation in 2024.
- The Owners Form hosted a panel session

at RETC and two virtual networking opportunities for project owners.

- Women in Tunneling hosted a breakfast at RETC attended by 300+ participants. The group held a tunnel tour in October for approximately 20 participants.
- The Government & Public Affairs Committee (GPAC) hosted a federal fly-in in conjunction with the American Society of Civil Engineers (ASCE). The Tunnel Watch List Committee outlined projects that, if funded, would provide great value to the US.

### Additional Content

- Tunneling & Underground Construction (T&UC) magazine launched a new website at: [www.tucmagazine.org](http://www.tucmagazine.org)
- US Working Groups that shadow the ITA structure are building capacity, and it is expected that these groups will transfer information from ITA back to the UCA membership. Groups are expected to meet on a regular basis and provide webinars or articles to be published in T&UC in 2024.

### CURRENT TUNNELLING ACTIVITIES

UCA does not track current tunneling activities but works with media partners that do to provide current information to members.

## FUTURE TUNNELLING ACTIVITIES

Tunnel	Owner	Location	Length (FT)
Potomac River CSO Tunnel	DC Water and Sewer Authority	Washington	24,000
Minneapolis Central City Parallel Tunnel	City of Minneapolis	Minneapolis	4,200
I-70 Floyd Hill Highway Tunnel	Colorado Dept. of Transportation	Denver	15,840
Alameda Street Wet Weather Conveyance Tunnel (formerly Folsom Area Storm Water Improvement)	SFPUC	San Francisco	4,000
The Portal (Downtown Extension (DTX))	TJPA	San Francisco	3,400
California High Speed Rail (Northern Section)	CA High Speed Rail Authority	Fresno	TBD
California High Speed Rail (Southern Section)	CA High Speed Rail Authority	Bakersfield	TBD
West Santa Ana Line	LACMTA	Los Angeles	TBD
Ontario Airport Tunnel	San Bernardino County Trans. Auth.	San Bernardino	22,000
Gateway Tunnel Project	Amtrak GDC	Newark/NYC	2 x 14,600
Gateway Hudson River Ground Stabilization	GDC (SEP for delivery- PANYNJ)	Under Hudson river	1200
Gateway Palisades Tunnel	GDC (SEP for delivery- PANYNJ)	Union City / Hoboken	2 x 5,100
Gateway Manhattan Tunnel	GDC (SEP for delivery- PANYNJ)	New York City	2 x 700
Gateway Hudson River Tunnel	GDC (SEP for delivery- PANYNJ)	Hoboken / NYC	2 x 7,400
Gateway Systems and Fit Out	GDC (SEP for delivery- Amtrak)	Secaucus to NYC	2 x 22,000
Gateway NJ Surface Alignment	GDC (SEP for delivery- NJTransit)	Secaucus to North Bergen	2 x 7,400
Gateway Existing Tunnel Rehabilitation	GDC (SEP for delivery- Amtrak)	Union City/NYC	2 x 13,000
Second Ave. Subway Phase 2, Contract 2 (116th St Station, 125th St Station, TBM Tunnels)	NYC-MTA	New York	16,000
Second Ave. Subway Phase 2, Contract 3 (106th St Station Box)	NYC-MTA	New York	89,600
Amtrak Frederic Douglas Tunnel	Amtrak	Baltimore	40,000
Alum Creek Relief Tunnel - Phase 1	City of Columbus	Columbus	30,000
Alum Creek Relief Tunnel - Phase 2	City of Columbus	Columbus	21,000
Ontario Line North Extension	Toronto Transit Commission	Toronto	29,500
West Vaughan Sewage Servicing Project	York Region	Toronto	36,000
Yonge North Subway Extension	Toronto Transit Commission	Toronto	40,000
Blue Line Extension	Societe de transport de Montreal	Montreal	19,000
REM-S Project	Societe de transport de Montreal	Montreal	23,000
Southerly Storage Tunnel	NEORS	Cleveland	18,000
DELCORA Wastewater Tunnel	DELCORA	Chester	45,500
Enbridge Line 5 Tunnel	Enbridge	Traverse City	23,760
Mill Creek Trunk Improvements	City of Nashville	Nashville	13,800

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# ITA MEMBER NATION ACTIVITY REPORTS 2023

## FUTURE TUNNELLING ACTIVITIES CONTINUED

Tunnel	Owner	Location	Length (FT)
Green Line LRT Project	City of Calgary	Calgary	9,000
Nose Hill Park Tunnel	City of Calgary	Calgary	10,800
Kensico-Eastview Connection Tunnel	NYC-DEP	New York	11,000
Silver Line Extension	Boston Transit Authority	Boston	8,400
Stanley Park Water Supply Tunnel	City of Vancouver	Vancouver	5,000
ALCOSAN Ohio River Tunnel	Allegheny Co. Sanitary Authority	Pittsburgh	20,000
ALCOSAN Allegheny River Tunnel	Allegheny Co. Sanitary Authority	Pittsburgh	28,000
ALCOSAN Monongahela River Tunnel	Allegheny Co. Sanitary Authority	Pittsburgh	28,000
Germantown Winghocking Relief	City of Philadelphia	Philadelphia	28,000
Project Connect Subway Program	City of Austin	Austin	8,500
West Seattle to Ballard Extension (West Seattle Ext.)	Sound Transit	Seattle	2,800
Northside Interceptor Tunnel	City of Akron	Akron	6,660
Taylor Massey Tunnel	City of Toronto	Toronto	20,000
Quebec City - Levis Tunnel	Quebec Transportation Ministry	Quebec City	27,230
Del Mar Bluffs Tunnel - design review	NCTD	San Diego	TBD
Fraser River Tunnel	BC Ministry of Transportation	Vancouver	3,000
Queensway Tunnel	Region of Peel	Toronto	18,000
Stormwater Control Program	Harris Co. Flood Control Dist.	Houston	52,800
LA Metro Sepulveda Pass Corridor	Los Angeles MTA	Los Angeles	55,500
D2 Subway - 2nd Light Rail Alingment	Dallas Area Rapid Transit	Dallas	7,230
Flushing Bay CSO Tunnel	NYC-DEP	New York	16,500
Cross Harbor Freight Tunnel	PANYNJ	New York	25,000
Superconducting Maglev Project - Northeast Corridor	TNEM / BWRR	Washington	146,520
Big Creek Storage Tunnel	NEORS	Cleveland	22,450
Metropolitan Tunnel Program - Northern Tunnel	MWRA	Boston	23,760
Metropolitan Tunnel Program - Southern Tunnel	MWRA	Boston	50,160
Horizon Lateral Tunnel	Southern Nevada Water Authority	Las Vegas	42,000
Inner Harbour West Tunnel	City of Toronto	Toronto	18,400
Cemetery Brook Drain Tunnel	City of Manchester NH	Manchester	11,600
West Seattle Link Extension (Cetral/Downtown Segment and Ballard Ext.)	Sound Transit	Washington	10,500