



SAME

Small Business Workshop

Tuesday, May 14, 2024



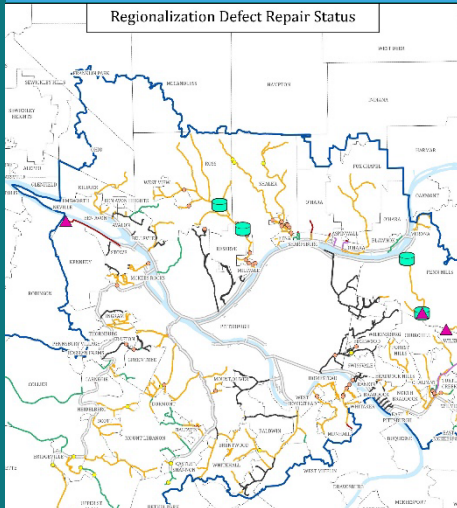
General Updates

- Ohio River Tunnel 90% Design – May 2024
- Allegheny River Tunnel Near Surface Facilities Package 6 (A-72 to A-78) - 30% Design complete
- Wet Weather Pump Station - 60% Design complete
- Primary Sedimentation Tanks – 30% Design complete
- Property acquisition ongoing



Clean Water Plan Components

Regionalization



GROW/Source Control



Plant Expansion



Regional Tunnel System



Top 5 Capital Projects with Greatest Expenditures Planned for 2024





Wastewater Treatment Plant Wet Weather Expansion



Current Status of WWTP Expansion

Totals thru: April 18, 2024

Project Name	Original Contract Award	Approved Change Orders	Current Contract Amount	Potential Change Orders	Projected Contract Value	Change Order Percentage	Value of Work Completed	Percent Complete
Demolition of Old Operation and Maintenance Facility	\$160,520	\$0	\$160,520	\$0	\$160,520	0.0%	\$160,520	100.0%
Main Pump Station Flow Meters and Access Platform	\$2,580,500	\$102,372	\$2,682,872	\$0	\$2,682,872	4.0%	\$2,682,872	100.0%
Main Pumping Station Upgrade	\$22,409,500	\$201,103	\$22,610,603	\$0	\$22,610,603	0.9%	\$22,610,603	100.0%
Temporary Hypochlorite Storage and Feed System	\$775,700	\$46,120	\$821,820	\$0	\$821,820	5.9%	\$821,820	100.0%
Temporary Primary Disinfection	\$502,000	\$28,250	\$530,250	\$0	\$530,250	5.6%	\$530,250	100.0%
Return Activated Sludge (RAS) Pipe and RAS Pump Replacement	\$19,219,850	\$3,359,486	\$22,579,336	\$0	\$22,579,336	17.5%	\$22,441,316	99.4%
Electrical Distribution System Upgrade	\$12,034,000	\$530,179	\$12,564,179	\$0	\$12,564,179	4.4%	\$12,290,959	97.8%
East Headworks	\$87,091,915	\$2,795,232	\$89,887,147	\$6,378	\$89,893,525	3.2%	\$75,854,983	84.4%
North End Facilities	\$100,293,905	\$14,587,744	\$114,881,649	\$531,737	\$115,413,386	15.1%	\$87,900,475	76.2%
CSO Bypass and Disinfection	\$90,770,000	\$7,911	\$90,777,911	\$140,768	\$90,918,679	0.2%	\$16,657,528	18.3%
Solids Thickening and Dewatering Improvements	\$4,571,284	\$0	\$4,571,284	\$0	\$4,571,284	0.0%	\$0	0.0%
Effluent Flushing Water System Improvements Project	\$0	\$0	\$0	\$0	\$0		\$0	
Primary Sedimentation Tanks E-4 and E-5	\$0	\$0	\$0	\$0	\$0		\$0	
Wet Weather Pump Station	\$0	\$0	\$0	\$0	\$0		\$0	
Total	\$340,409,174	\$21,658,397	\$362,067,571	\$678,883	\$362,746,454	6.6%	\$241,951,326	66.7%



North End Facilities



April 2024





April 2024



East Headworks



April 2024



April 2024



April 2024



CSO Bypass & Disinfection



April 2024



April 2024



Anticipated 2023 - 2024 Professional Service Contracts

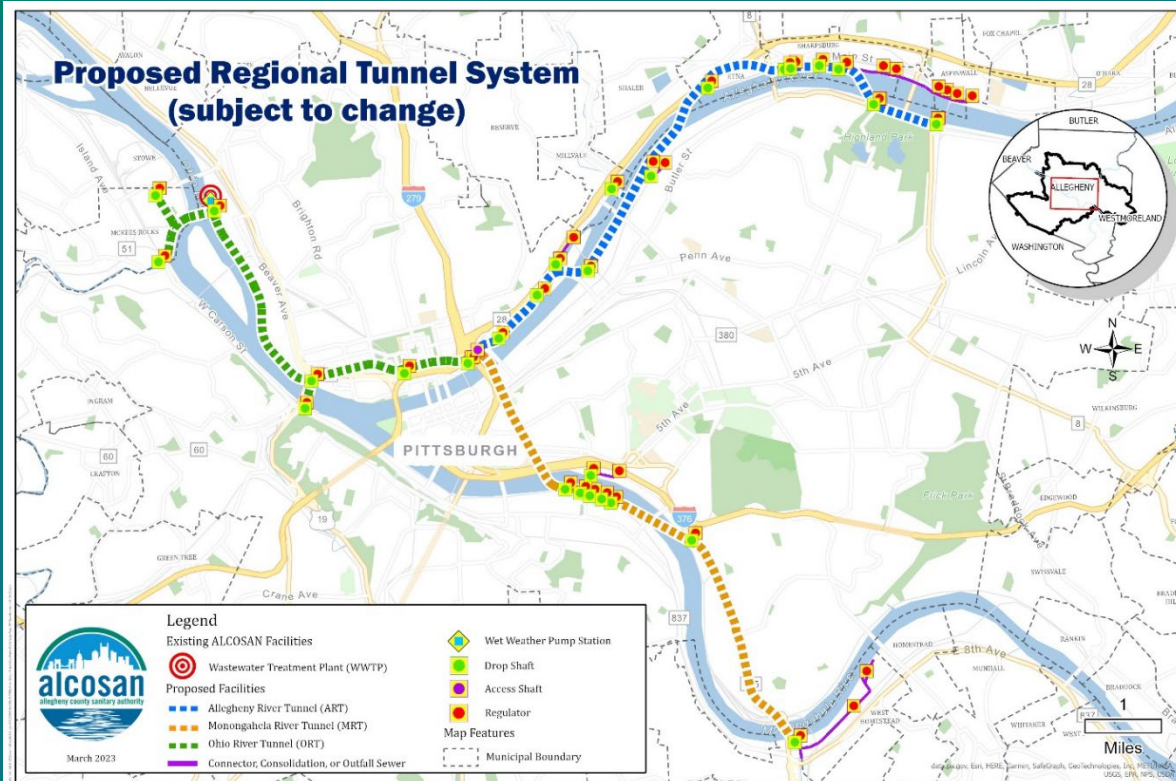


2024 Professional Services Opportunity Schedule

Opportunity	Schedule
Allegheny River Tunnel design	Shortlisted
Chimney Inspection	Shortlisted
Misc. HVAC	Shortlisted
CIPP Rehabilitation of the Upper Saw Mill Run & Lower Ohio Interceptors Construction Management	RFQ release expected May 22 nd
Contract 1770 Various Improvements at Ella Street and Corliss Pump Station Construction Management	Q3 2024
Allegheny River Tunnel Construction Management	Q2 2025
Monongahela River Tunnel design	Q2 2026



Proposed Regional Tunnel System

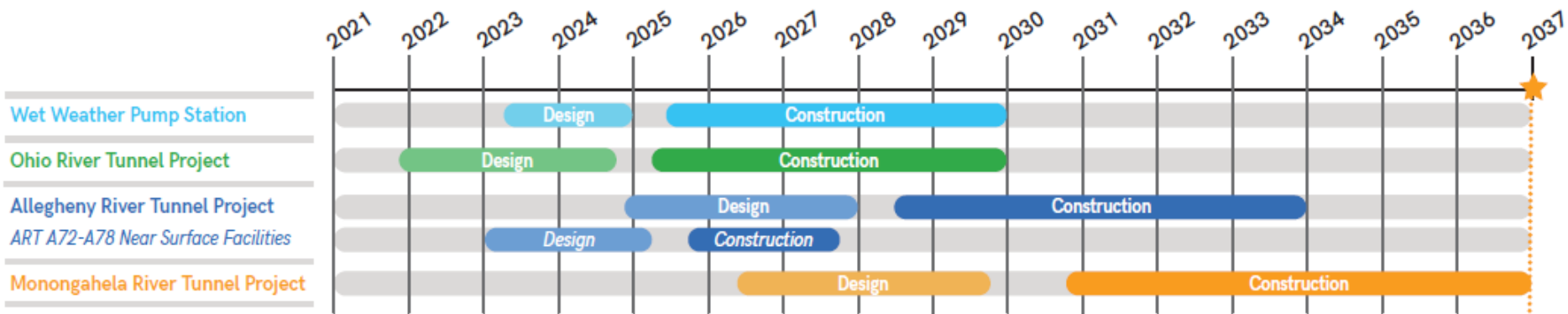


Tunnel	Length (miles)
ORT	4.9
ART	6.2
MRT	5.4

- 3 tunnel contracts
- 160 MG storage capacity
- 29 shafts
- 40 regulators
- About 4 miles of consolidation sewers (24- to 144-inch diameter)



Proposed Regional Tunnel System



Subject to change. Testing and commissioning included in construction duration.

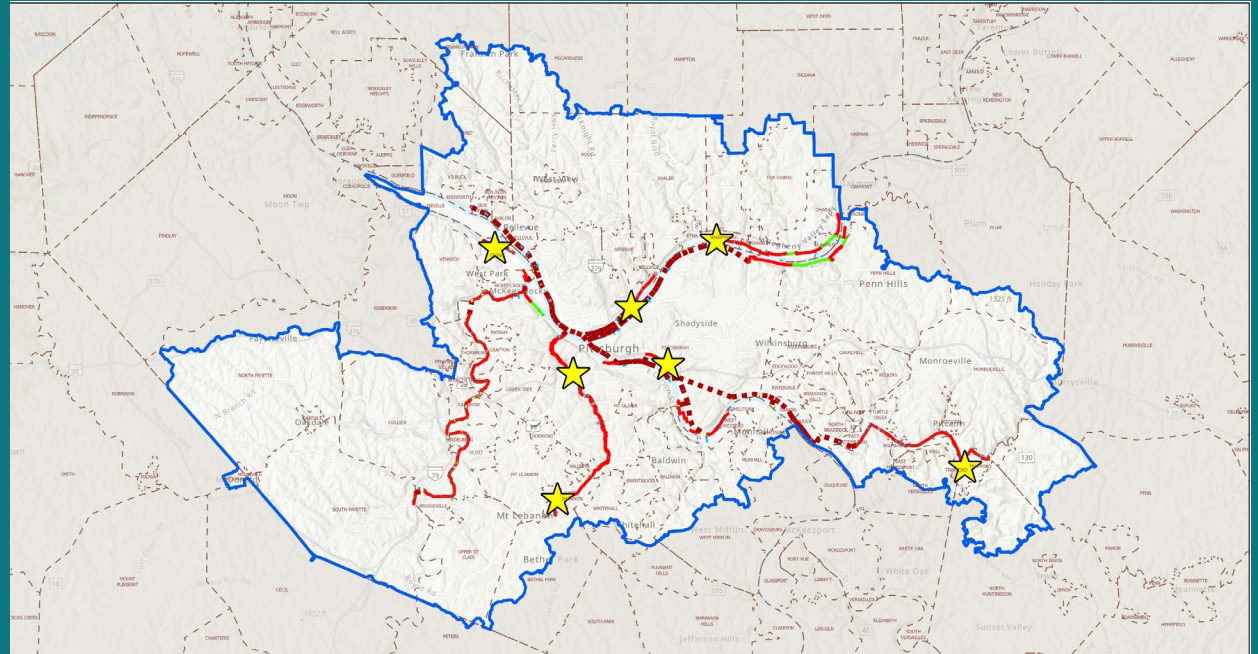


CIPP Rehabilitation of the Upper Saw Mill Run and Lower Ohio Interceptors CM Services

- Provide Construction Management and Field Services for ~ 16,000 LF Cured-In-Place Pipelining work
- Multiple Sites Across the ALCOSAN Service Area



Lining Project Locations





CM CIPP Rehabilitation of the Upper Saw Mill Run and Lower Ohio Interceptors

Ancillary Work Includes

Bypass Pumping, CCTV Inspection, Open-Cut Repairs, Manhole Rehabilitation, and New Manhole Construction

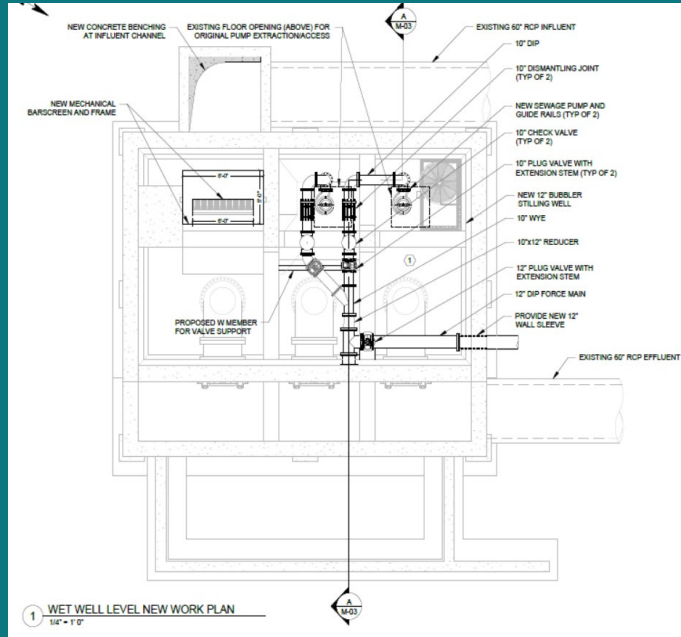
Procurement Schedule

Milestone	Date
RFQ Release	May 22, 2024
RFQ Submittal Due	June 20, 2024
Shortlist/RFP Release	July 2024
RFP Due	August 2024
Award	October 2024
Notice to Proceed	November 2024
Pre-Construction Meeting	TBD
Contract Closeout	December 2025



Contract 1770 Various Improvements to the Ella Street & Corliss Pump Stations CM Services

Ella Street Pump Station

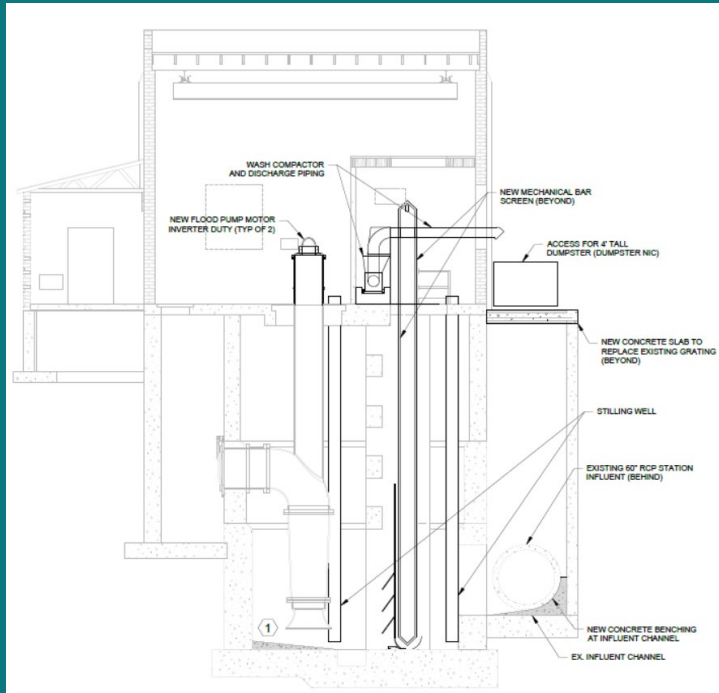


- Replacement of 10" submersible sewage pumps, internal piping and force main replacement to new manhole on property
- Installation of new meter pit with mag meter
- Replacement of ~225 LF of 18" gravity sewer and three manholes
- Replacement of bar screen system with added washer compactor



Contract 1770 Various Improvements to the Ella Street & Corliss Pump Stations CM

Ella Street Pump Station



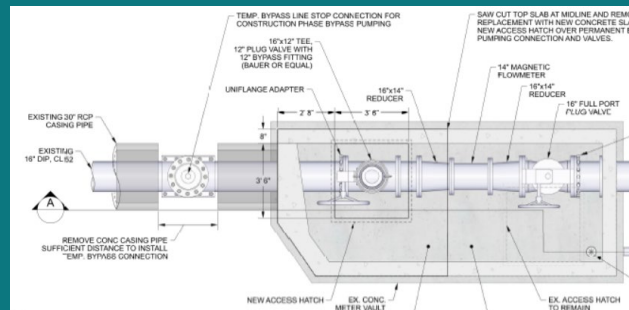
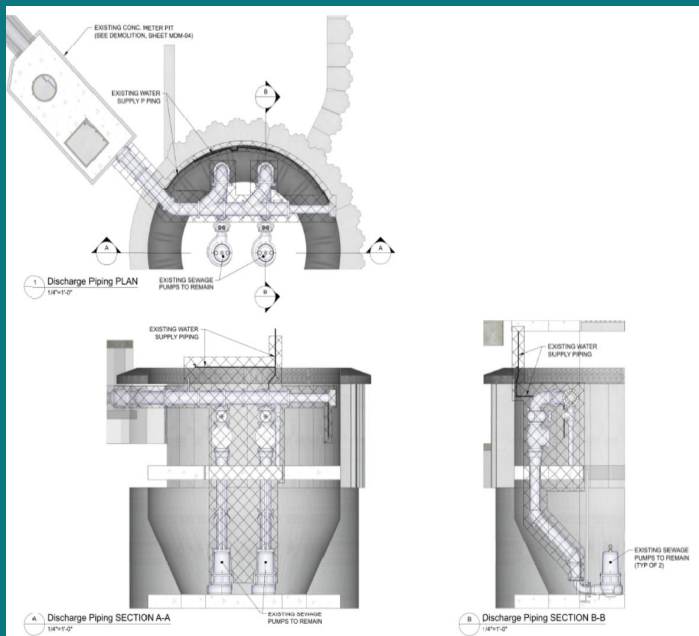
- Replacement of (3) motors for 42" storm pumps
- Addition of VFDs for sewage and storm pumps
- Relocation and replacement of level sensing equipment
- Work requires bypass pumping
- Replace overhead hoist and add motorized trolley functions



Contract 1770 Various Improvements to the Ella Street & Corliss Pump Stations CM

Corliss Pump Station

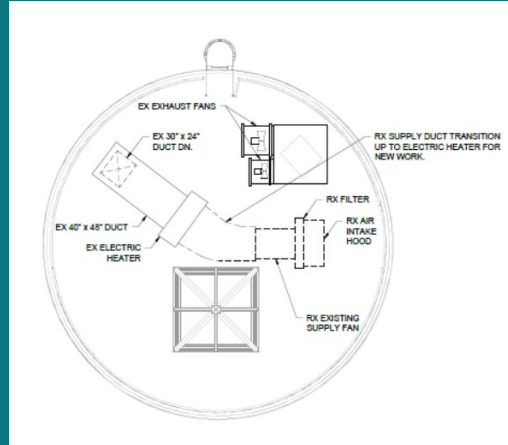
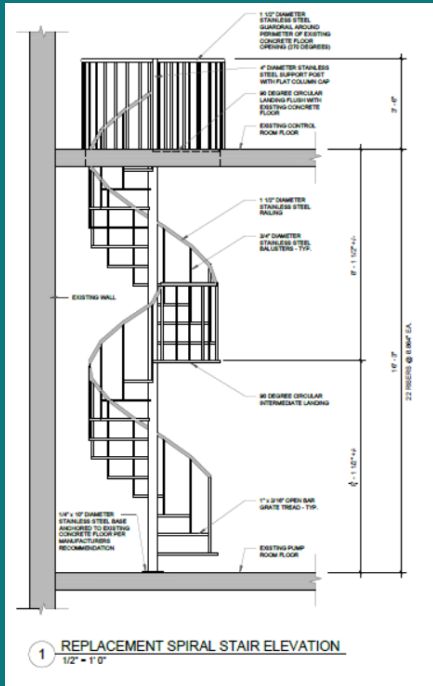
- Replacement internal discharge piping and external piping up to valve pit
- Replacement and reconfiguration of valve equipment and piping in valve pit
- Installation of a permanent bypass pumping connection to existing force main piping
- Work requires bypass pumping





Contract 1770 Various Improvements to the Ella Street & Corliss Pump Stations CM

Corliss Pump Station

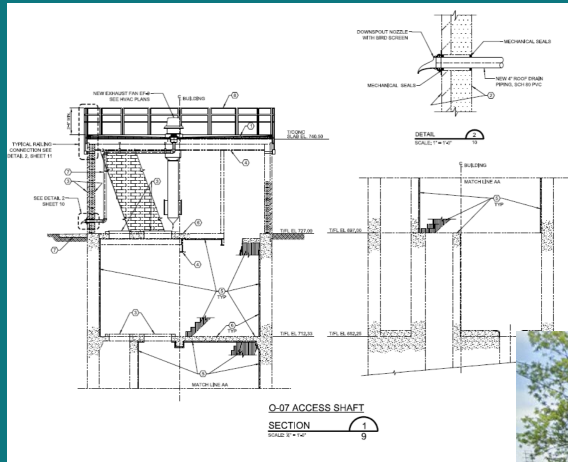


- Replacement of existing spiral staircase with stainless steel
- Replacement of all supply fan hardware
- Balancing of the HVAC system
- Replacement of roof, including the skylight
- Site access planned by barge due to location



Contract 1770 Various Improvements to the Ella Street & Corliss Pump Stations CM

O-07 Access Shaft



- Interior concrete repair and rehabilitation
- Roof replacement
- HVAC, lighting and safety improvements
- Balancing of the HVAC & odor system
- Demolition of unused equipment



Anticipated 2024 Construction Contracts



2024 Construction Contracts

Project	Est. Budget	Bid Timeframe
Contract 1793: Site Demolition Contract II	\$1.5M	Q2 2024
Contract 1797: Ohio River Tunnel	\$750M	Q4 2024
Contract 1799: Solids Thickening and Dewatering Improvements (G, E, H, P)	\$38M	July 24, 2024



2024 Construction Contracts

Project	Est. Budget	Bid Timeframe
Contract 1763: Access Shafts at A-40 and M-49	\$5.5M	Q4/2024 – Q1/2025
Contract 1764: O-15/O-16 New Structure & Access Manhole	\$3.5M	Q4/2024
Contract 1770: Various Improvements to the Ella Street and Corliss Pump Stations	\$5.0M	Q3-Q4/2024



ALCOSAN Procurement Process

- Advertise for qualifications on as-needed basis in local newspapers and on ALCOSAN's website
- Use RFQ/RFP process for large projects
- MBE/WBE participation goals 10%-25%, SDV 3%
- Selection process includes review of technical proposals and interviews
- Selections require approval of ALCOSAN Professional Services Committee and Board of Directors



ALCOSAN Website



WHO WE ARE WHAT WE DO WORK WITH US OUR CUSTOMERS EDUCATIONAL ACTIVITIES OUR PLAN NEWS & EVENTS

Who We Are

ALCOSAN provides cost-effective, environmentally conscious wastewater treatment to protect public health and enhance the use of our natural resources.

Get To Know Us



Who We Are



How We Treat
Wastewater



Am I an
ALCOSAN
Customer?



Who is
Responsible?



Join Us for an
Event

- www.alcosan.org
- Registration for Interested Parties
- More Information on Awards
- Forms and policies available



2024 Dates to Remember

Annual Public Meeting – June, date TBD

Ohio River Tunnel Contractor and Small Business Forum – Tuesday, August 27th

Annual Open House – Saturday, September 14th



Ohio River Tunnel Contractor Outreach Event

Save The Date!

August 27, 2024

7:30 am - 11:30 am

The Circuit Center
5 Hot Metal St, Pittsburgh, PA 15203

About the event

This event is a follow up to the August 17, 2023 Contractor Outreach Event. The event will focus on new information and design details associated with the Ohio River Tunnel contract and the Wet Weather Pump Station contract (separate contract) as both projects are moving closer to bid.

There will be a networking breakfast followed by presentations in the morning. Optional Core Shed Tours will be offered in the afternoon from 1:30 pm - 3:30 pm.

Regional, local, and MWDBE contractors are strongly encouraged to attend.

More event details to follow.

Learn more about the regional tunnel project at: www.alcosan.org/clean-water-plan/regional-tunnel-systems