

NORTHEAST OHIO REGIONAL SEWER DISTRICT SOUTHERLY TUNNEL AND CONSOLIDATION PROJECT

Project Clean Lake work in **Cleveland, Newburgh Heights and Cuyahoga Heights**

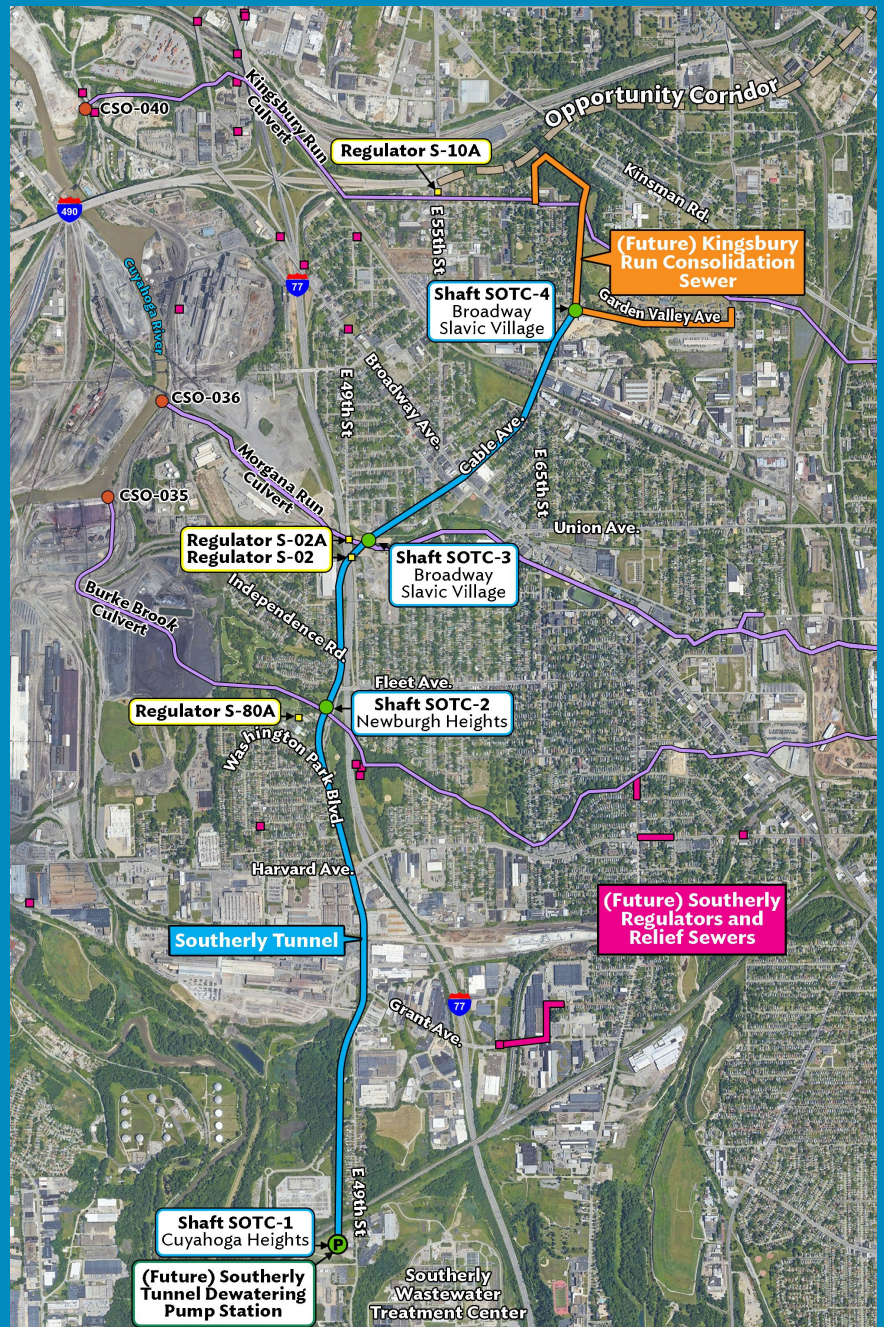
August 2024

ABOUT THE PROJECT

SOUTHERLY TUNNEL AND CONSOLIDATION PROJECT AND PROJECT CLEAN LAKE

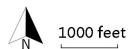
The Southerly Tunnel and Consolidation (SOTC) project is part of Project Clean Lake, a \$3 billion, 25-year program NEORSRSD began in 2011 to meet Clean Water Act standards. The SOTC is the sixth of seven new large diameter tunnels, along with other projects, that NEORSRSD will use toward Project Clean Lake's overall goal to reduce 4.5 billion gallons of combined sewer overflows (CSOs) released into Lake Erie and its tributaries in the Greater Cleveland area.

SOTC includes nearly 3.5 miles of 23-ft diameter tunnel, built in soft ground (soil), 130 to 185 feet under Cleveland (Broadway Slavic Village), Newburgh Heights and Cuyahoga Heights. Overflows captured by SOTC will be stored until dewatered by the future Southerly Tunnel Dewatering Pump Station to the Southerly Wastewater Treatment Center for treatment before release to the Cuyahoga River.



LEGEND

- Southerly Tunnel
- (Future) Southerly Tunnel Dewatering Pump Station
- Tunnel Shaft
- Regulator
- CSO
- Culvert
- (Future) Kingsbury Run Consolidation Sewer
- (Future) Southerly Regulators and Relief Sewers (SRRS) Diversion/Regulators
- (Future) SRRS Sewers



SOUTHERLY TUNNEL AND CONSOLIDATION PROJECT

SCHEDULE

| SOTC Project Schedule | | | | | | | | | |
|-----------------------|------|------|------|------|------|------|------|------|--|
| Project Phase | Year | | | | | | | | |
| | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | |
| Design | | | | | | | | | |
| Bidding | | | | | | | | | |
| Construction | | | | | | | | | |

COST

The cost of construction is \$328 million.

CURRENT STATUS

Construction

BENEFITS

The SOTC will capture and store overflows from three of the largest CSO outfalls along the Cuyahoga River. Together with the future Kingsbury Run Consolidation Sewer, Southerly Regulators and Relief Sewers and the Southerly Tunnel Dewatering Pump Station, the Southerly Tunnel system will reduce overflow volumes by approximately 760 million gallons each year, providing:

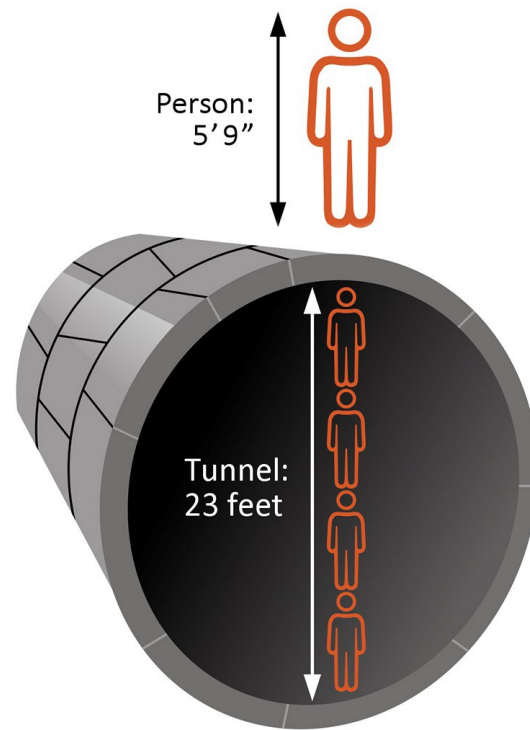
- Improved water quality in the Cuyahoga River;
- A reduction in public health risks associated with CSOs; and
- A cleaner Lake Erie for drinking water, boating, beach-going, and other recreational purposes.

SIZE

The finished tunnel will be 23-feet in diameter. *That's as tall as four people (5' 9" tall) standing on top of each other!*

LENGTH & DEPTH

Nearly 3.5 miles of tunnel at a depth of 130 to 185 feet below ground.



For more information on this project or specific neighborhood work, contact our Customer Service department at (216) 881-8247.

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**PROJECT
CLEAN LAKE**