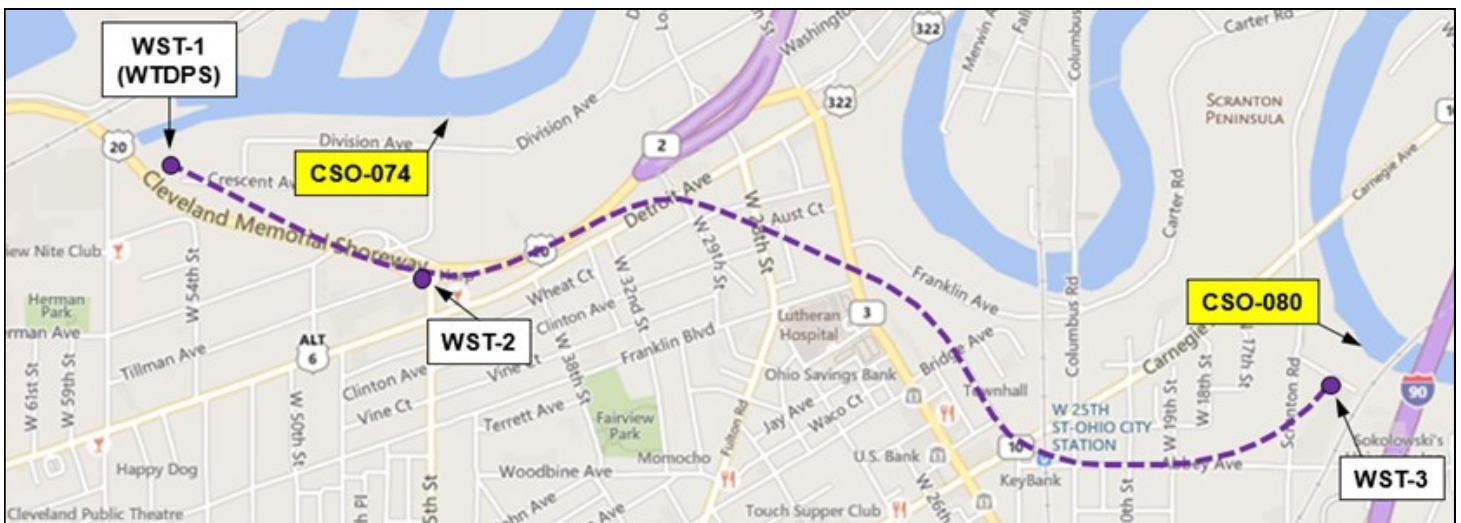


# WESTERLY STORAGE TUNNEL PROJECT

## DESCRIPTION

The Westerly Storage Tunnel project (WST) is part of Project Clean Lake, a \$3B, 25-year program NEORSRD began in 2011 designed to meet Clean Water Act standards and address water quality issues. The WST is the 4th of seven new large diameter tunnels and other projects that the NEORSRD will use to reduce the 4.5 Billion Gallons of wet weather combined sewer overflows (CSOs) released into Lake Erie and its tributaries in the Greater Cleveland area.

WST includes 9,640 lineal feet of 25-foot diameter rock tunnel 175 to 250-feet under the City of Cleveland (to tunnel centerline) as shown in the map below. The storage capacity of the tunnel is 36 million gallons. The expected project schedule is also shown below.



**WST alignment map including three tunnel shafts**

## PROJECT BENEFITS

The WST system will control overflows at 2 permitted CSO locations along the Cuyahoga River and will reduce CSO volumes discharged into the river by 277 million gallons each year, providing:

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

**CONSTRUCTION COST:** \$135 Million (Bid)

**STATUS:** Project under construction since Q2 2018

WST Project Schedule								
Project Phase	Year							
	2016	2017	2018	2019	2020	2021	2022	
Design	█	█	█	█				
Bidding			█					
Construction				█	█	█	█	█