

# BURKE BROOK OPEN CHANNEL IMPROVEMENTS

## INTRODUCTION

The Burke Brook Open Channel Improvements (BOCI) Project is part of Project Clean Lake, a \$3 billion, 25-year program NEORSRD begun in 2011 designed to meet Clean Water Act standards and address water quality issues. Project Clean Lake will reduce 4 billion gallons of wet weather combined sewer overflows (CSOs) released each year into Lake Erie and its tributaries in the Greater Cleveland area.

The BOCI Project work site is located in the Village of Newburgh Heights on both sides of I-77. Two existing open channels will be enclosed in approximately 1,000 linear feet of pipe. These open channels, like the one shown in the photo below, currently convey stormwater and CSOs during wet weather. After the channels are enclosed, surface restoration will include filling and grading to provide necessary soil cover over the new CSO piping. Surface restoration will allow stormwater to flow into the existing system and provide new drainage channels at the surface for local storm runoff.

## PROJECT BENEFITS

The BOCI Project will enclose the urban runoff and combined sewer overflows that currently are open to possible human exposure. By diverting these flows to the future Southerly Storage Tunnel, this project will contribute to future overflow control at one permitted CSO location to the Cuyahoga River. This overflow control will reduce future CSO volumes discharged into local waterways by 39 million gallons each year, providing several benefits:

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

## POTENTIAL COMMUNITY IMPACTS

During construction, the BOCI Project will have some short-term impacts on the community, including:

- Noise and vibrations,
- Minor traffic impacts,
- Dust, dirt, and/or mud, and
- Disruption to community aesthetics.

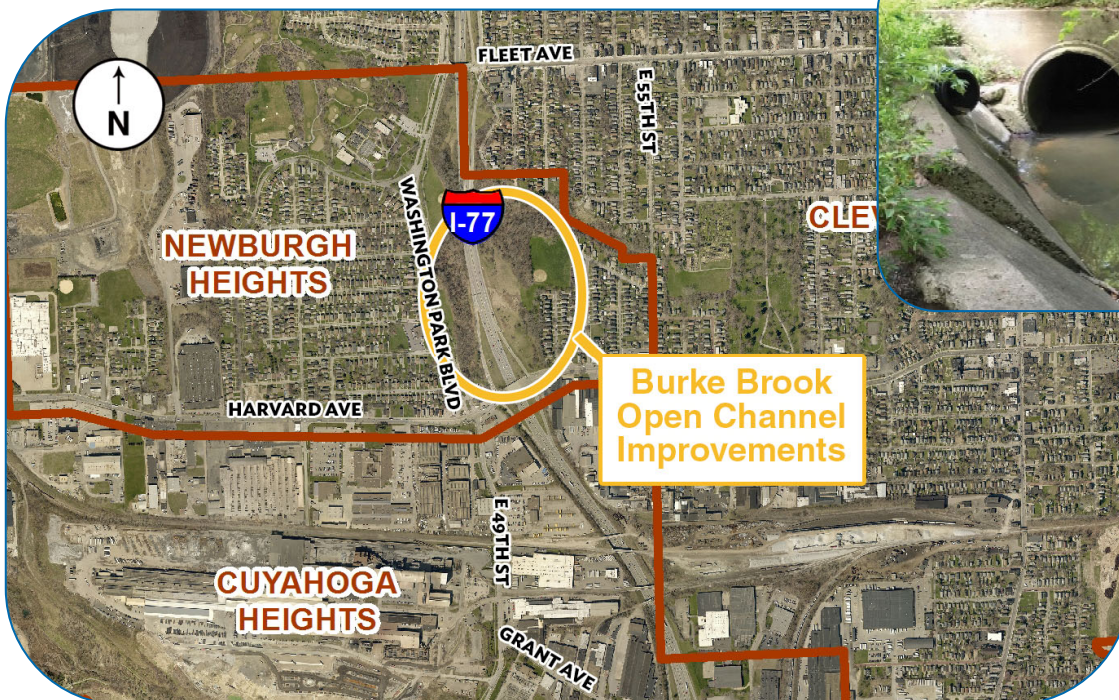
BOCI Project Schedule						
Project Phase	Year					
	2017	2018	2019	2020	2021	2022
Design						
Bidding						
Construction						

**STATUS:** Construction

**CONSTRUCTION COST:** \$4.1 million

**CONTRACTOR:** Fabrizi Trucking & Paving

### BOCI Project Location Map



*Existing Open Channel along I-77*