



# Tower City East Portal Rehabilitation

Presented to:

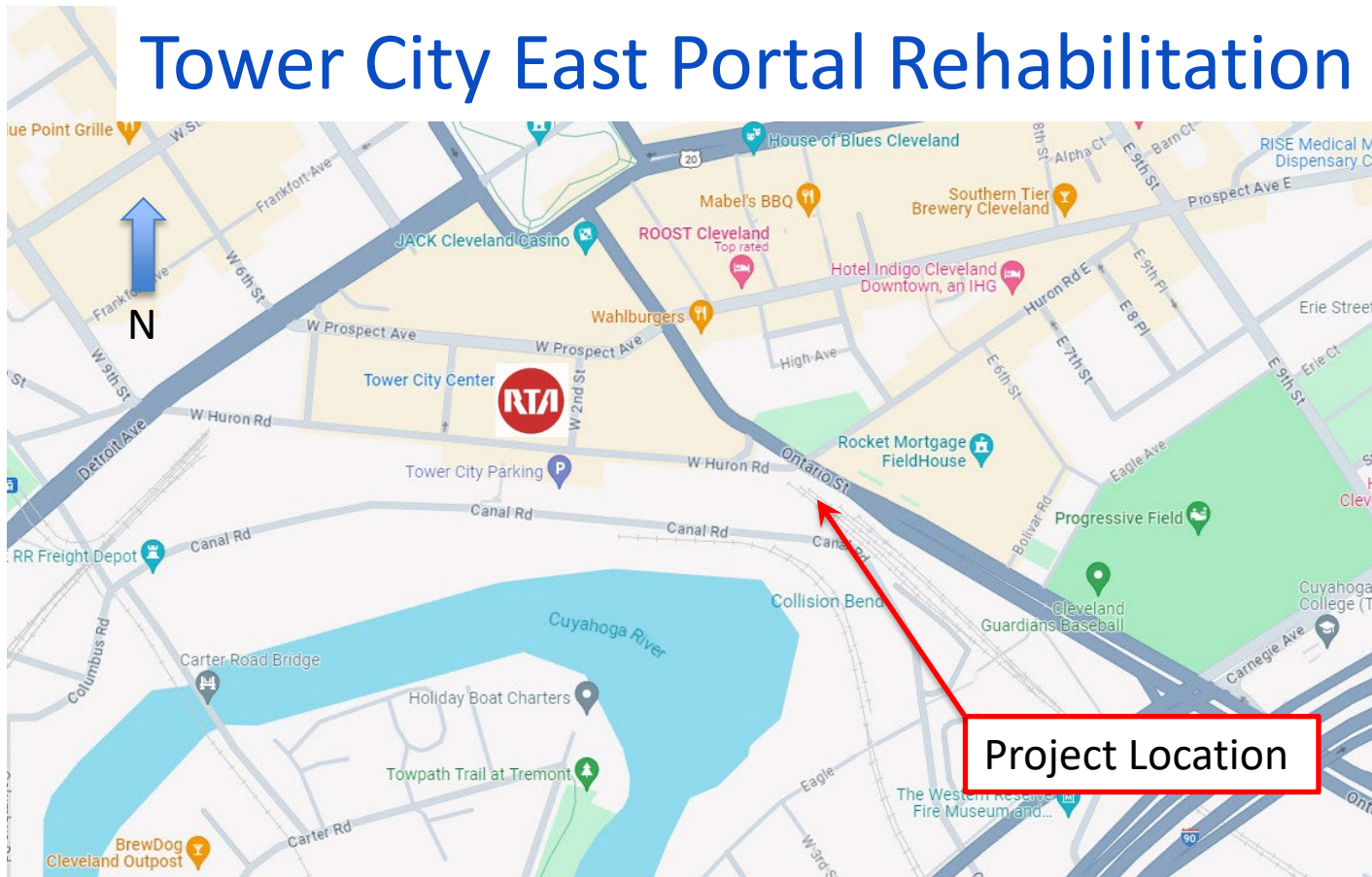
Operational Planning & Infrastructure Committee

January 9, 2024

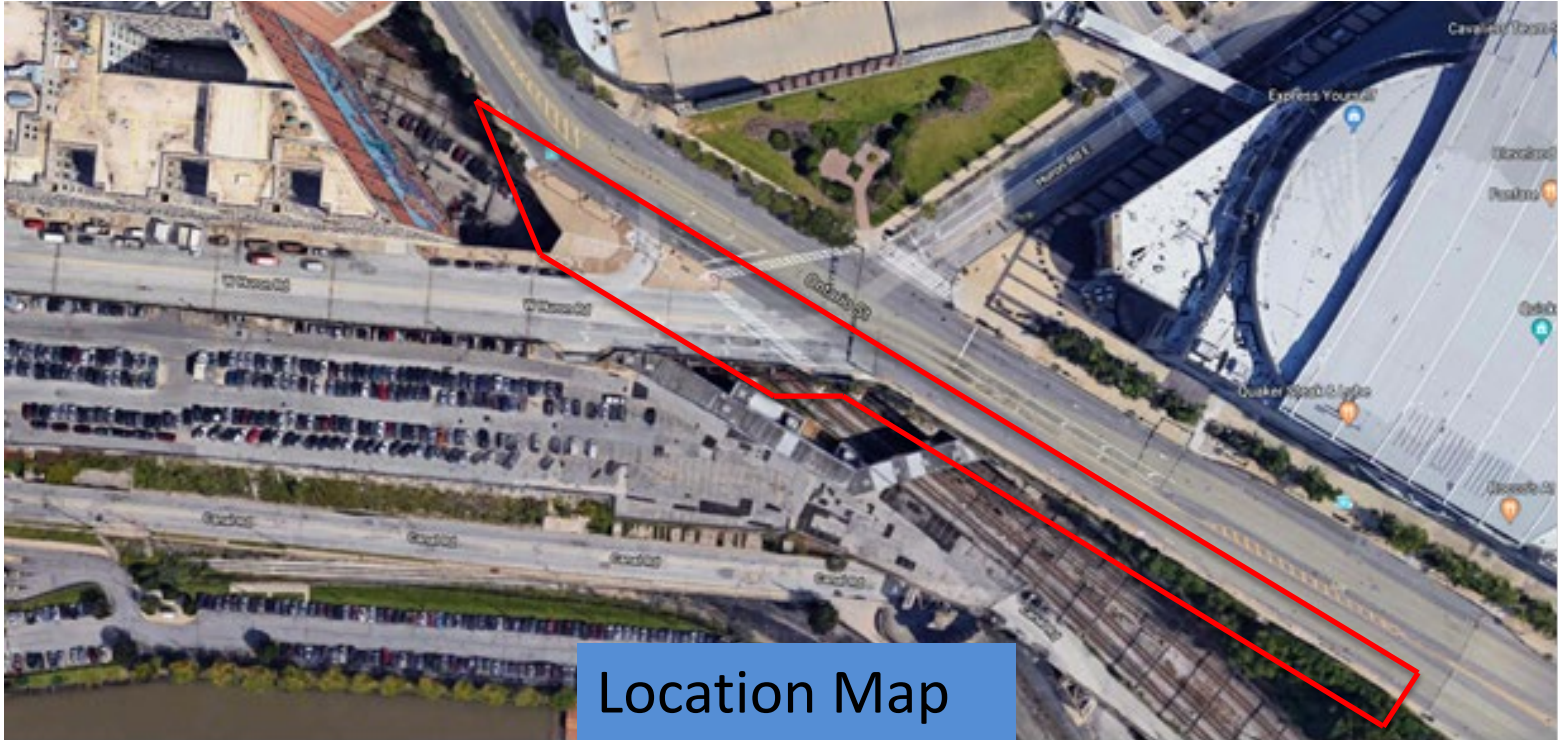
---

---

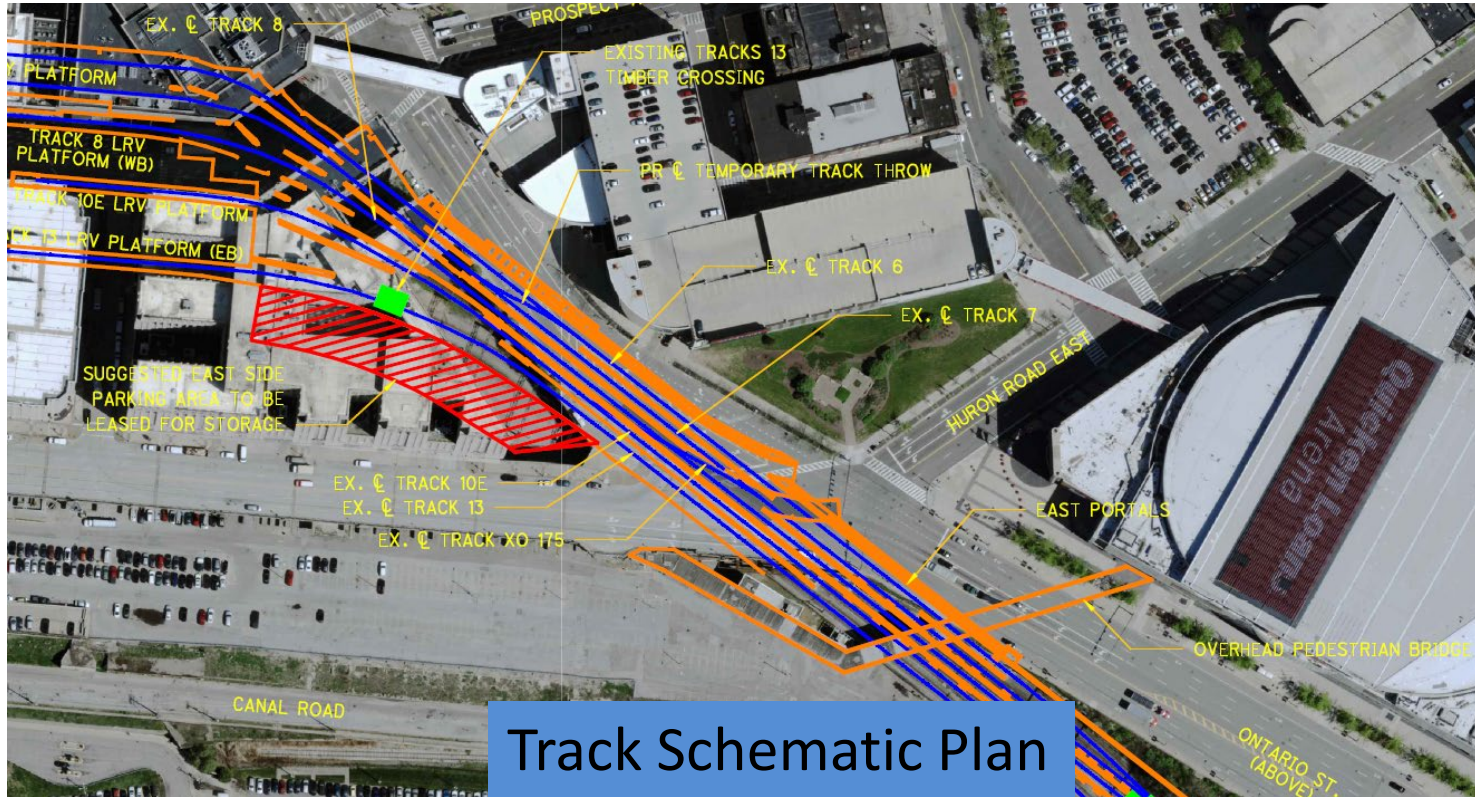
# Tower City East Portal Rehabilitation



# Tower City East Portal Rehabilitation



# Tower City East Portal Rehabilitation

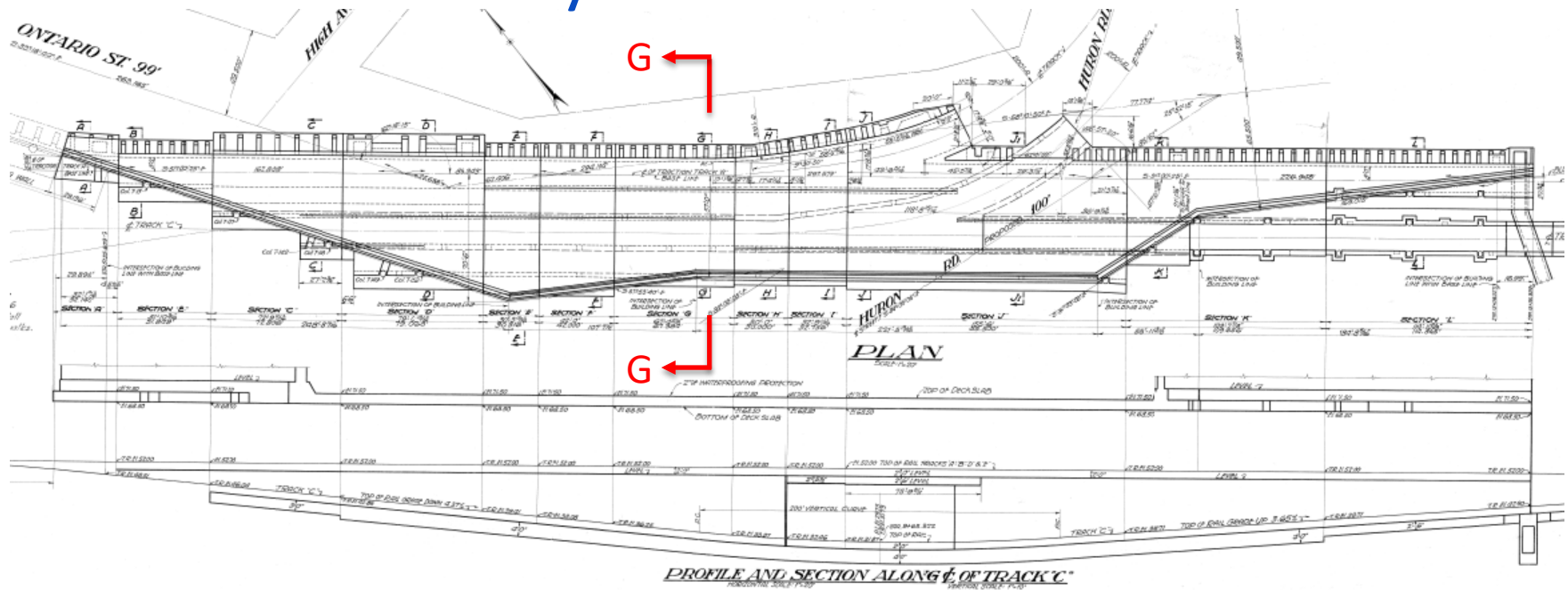


# Tower City East Portal Rehabilitation



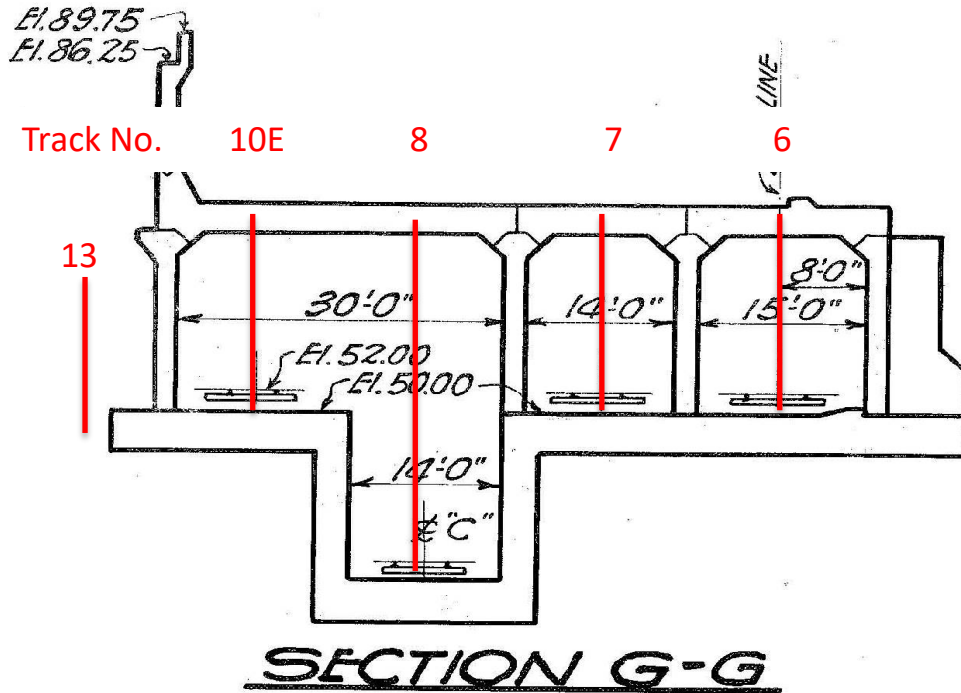
East Approach to Portals

# Tower City East Portal Rehabilitation



Portal Plan & Profile

# Tower City East Portal Rehabilitation



# Tower City East Portal Rehabilitation

Water infiltration causing deterioration



Exposed Portal Frame (PF) Track 6 to be replaced

Greater Cleveland Regional Transit Authority





# Tower City East Portal Rehabilitation



Exposed Portal Wall (PW) & Frame (PF) to be replaced

# Tower City East Portal Rehabilitation

## Project Objectives

- Extend the Tower City East Portal service life utilizing conventional methods & materials by:
  - Improving the collection & distribution of subsurface drainage
  - Replacing portions of concrete portal frames at east entrance
  - Cleaning out track and street level piped drainage
  - Adding new perforated wick drains above the portal frames.
  - Sealing existing concrete joints
  - Replacing portions of track structure within the portals

# Tower City East Portal Rehabilitation

Project challenges driving cost:

- Access from the south to enter work zones heading north while keeping two tracks active.
- Complex temporary shoring to support ground and Ontario Street above in four portals.
- Track/catenary/signal work along five tracks by shifting service in three phases to minimize shutdowns.

# Tower City East Portal Rehabilitation

- Procurement Overview

Invitation For Bid (IFB) issued October 9, 2023.

Accessed on the GCRTA website by 31 interested parties.

One (1) firm submitted a bid.

# Tower City East Portal Rehabilitation

Lowest responsive and responsible vendor:

- The Great Lakes Construction Co.

A 19% DBE participation goal was assigned to this project and will be achieved through the use of Cook Paving & Construction, Denise's Flagging, Key Cable and Supply, Intelligent Polymer Solutions, Rockport Ready Mix, Ballast Construction, and Flatrock Bridge Group.

# Tower City East Portal Rehabilitation

## Firm Experience:

- The Great Lakes Construction Co. has successfully completed projects for GCRTA, ODOT, City of Cleveland, City of Hamilton, City of Akron, and Cuyahoga County, among others.

# Tower City East Portal Rehabilitation

Staff requests that the Operational Planning and Infrastructure Committee recommend award to The Great Lakes Construction Co. for the rehabilitation of the Tower City East Portal. The contract is in a negotiated amount not to exceed \$15,739,633.00.

# Tower City East Portal Rehabilitation

Questions?