







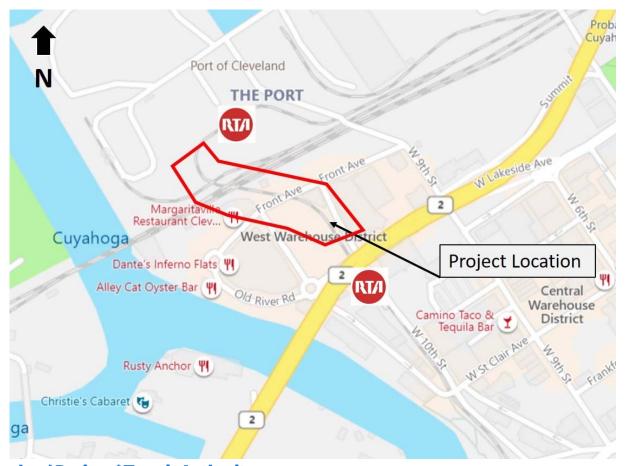




### Summary of Proposed Award **Engineering Services for the Waterfront Line Bridge Rehabilitation**

Presented to: Operational Planning & Infrastructure Committee

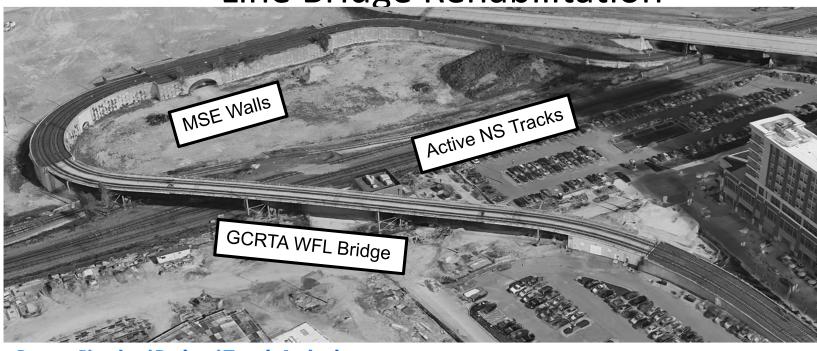
May 11, 2021















### **History of Work/Study**

- The Waterfront Line construction complete in 1995
- MSE Wall Repairs implemented 2019
- No significant bridge rehabilitation work to date
- In-depth inspection highlighted need to rehabilitate
- On-going bridge crack monitoring continues to measure changes in condition over time, loads and temperature



### **Complex Findings**

- Bridge type: Curved Post Tensioned Segmental Box Girder
- Bridge type is unique to GCRTA. ODOT has few in-service.
- Expert studies have found similar problems among early pre-2000 bridge designs nationally.
- Various cracks in primary concrete members.
- Tightly curved bridge & rail geometry add to complexity of repair.
- Over an active NS mainline track



#### **Project Objectives**

- Extend service life of bridge and adjoining Mechanically Stabilized Earth walls (MSE) by 25 years minimum. The design will:
  - Perform load rating of structure
  - Restore primary structural members to carry full loads
  - Provide proper expansion/contraction of bridge & rail
  - Deliver solutions which least impact NS operations





As-Built Condition

New External Tendons
in Provisional Anchors

Supplemental PT Bars
in New Anchorages

PT = POST TENSIONED

### **Procurement Summary**

- RFP issued December 28, 2020
- Accessed on the GCRTA web site by Forty-Four (44) interested parties
- Three (3) firms proposed
- Three (3) firms were interviewed



### Engineering Services for the Rehabilitation of Waterfront Line Bridge

#### **Evaluation Panel Members:**

- Engineering and Project Development
- Office of Management and Budget
- Asset Management
- Safety
- Office of Business Development
- Procurement



#### **Procurement Summary**

- Recommended Vendor:
  - Hardesty & Hanover, LLC, Roseville, Minnesota
  - 5% DBE Goal will be met by utilizing:
    - 2LMN, Inc.
    - G & T Associates, Inc.
    - NEAS, Inc.



#### **Procurement Summary**

- Firm Experience:
  - Hardesty & Hanover, LLC, Roseville, Minnesota has been in business for over 130 years with currently 400 employees across 27 offices
  - Projects for Amtrak, ODOT, Florida DOT,
     Michigan DOT, City of Minneapolis Public
     Works, and Norfolk County Council in England

Staff requests that the Operational Planning & Infrastructure Committee recommend award to Hardesty & Hanover for Engineering Services for the Waterfront Line Bridge Rehabilitation. The base contract is not to exceed \$1,468,163.84.



**Questions?** 

