



E. 79th Street Light Rail Station Conceptual Design

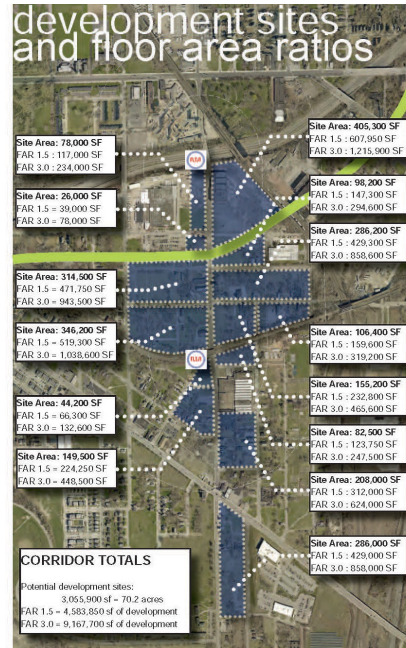
Operational Planning & Infrastructure
Committee

January 9, 2024

Project Overview

- East 79th Street Light Rail Station was rebuilt in the early 1980's and serves GCRTA's Blue and Green light rail lines and has reached the end of its useful life
- Primary purpose of this project:
 - Rehabilitate the station and bring it into ADA compliance.
 - Improve connections into the neighborhood and provide Transit Oriented Development opportunities

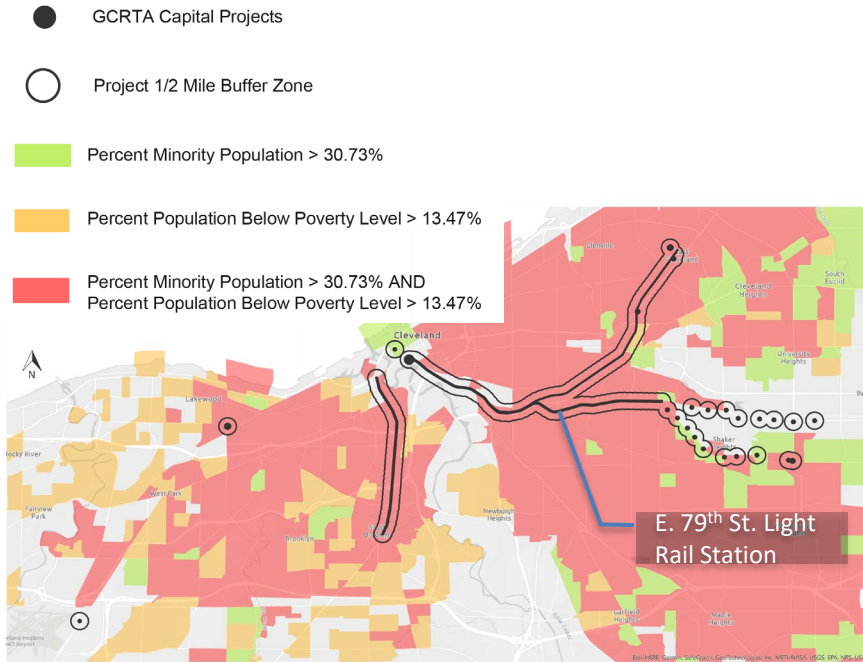
Transit Oriented Development



- The E. 79th Light Rail Station offers an opportunity to attract high-quality, mixed-use development
 - Benefits existing residents and workers
 - Attracts new residents, new jobs and new opportunities to the area.

Images from the East 79th Street Corridor Study showing the potential for Transit Oriented Development

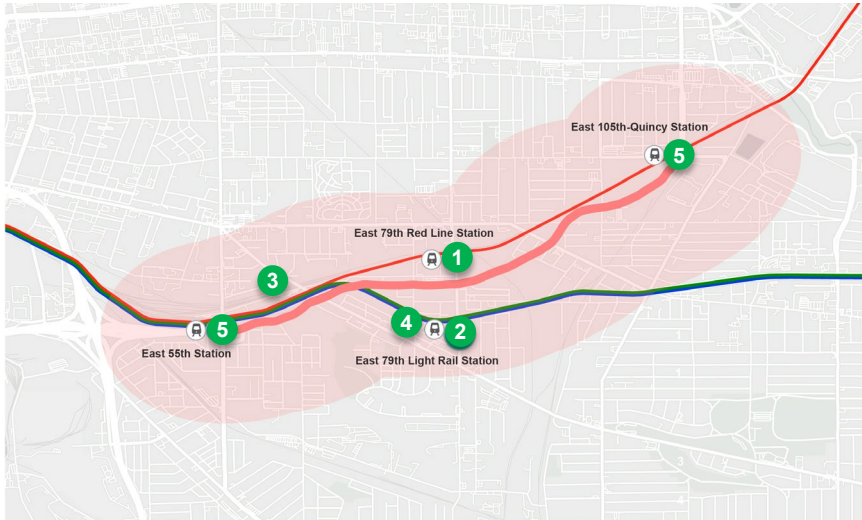
Environmental Justice



- E. 79th Street Light Rail Station is located in an area of Environmental Justice concern
 - Minority Population is > 30.73%
 - Population below Poverty Level > 13.47%
- In 2023 The GCRTA has invested \$18.6 million on project in EJ zones.
 - This accounts for 77% of money spent on major projects

Opportunity Corridor Investments

 Opportunity Corridor Zone
 GCRTA Rail Service



Projects

Investment

1	East 79 th Street Red Line Station	\$6,726,718
2	Wayside Signal Design – East 79 to Shaker Square	\$250,000
2	East 79 th Street Light Rail Station	\$10,000,000
3	Consolidated Train Dispatch System Replacement	\$3,575,474
4	East 75 th Light Rail Interlocking Reconstruction	\$3,531,000
5	Redline Fiber Optic Upgrade – East 55 th	\$6,115,000
1	Redline Fiber Optic Upgrade – East 79 th	
5	Redline Fiber Optic Upgrade – East 105 th	

Project Site Map



- The station is elevated above the street level, accessed by a single stairway off E. 79th St.
- South of the station is Hillside Community Park

Design Elements/ Existing Conditions

- The entrance is to serve as waiting environment for the GCRTA No. 2 bus route
- Provide ADA compliant crosswalk
- Provide provisions for the installation of a bus shelter on the east side of E. 79th Street



Existing Street View:

Design Elements/ Existing Conditions

- Provided covered access, via stair/ramp, from E. 79th Street to the station's platform
- Provide access between Hillside Community Park and the Station



Existing Station Entrance:



Existing Sidewalk Condition:



Existing Stairs:

Design Elements/ Existing Conditions

- Provide two new light rail platforms for the eastbound and westbound tracks
- Provide ADA compliant pedestrian grade crossing for access between platforms
 - Trackwork was replaced as part of the Light Rail Track Rehabilitation Program in 2021

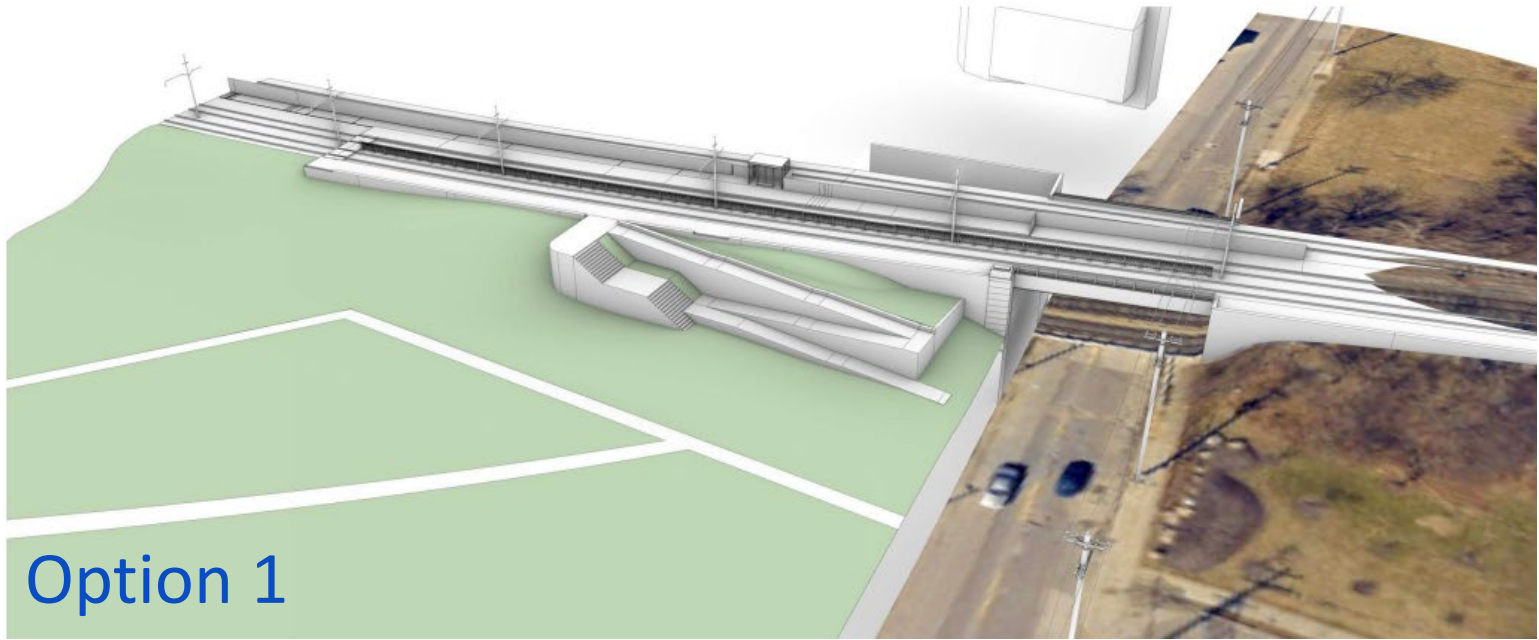


Existing Westbound Platform:

Site Analysis

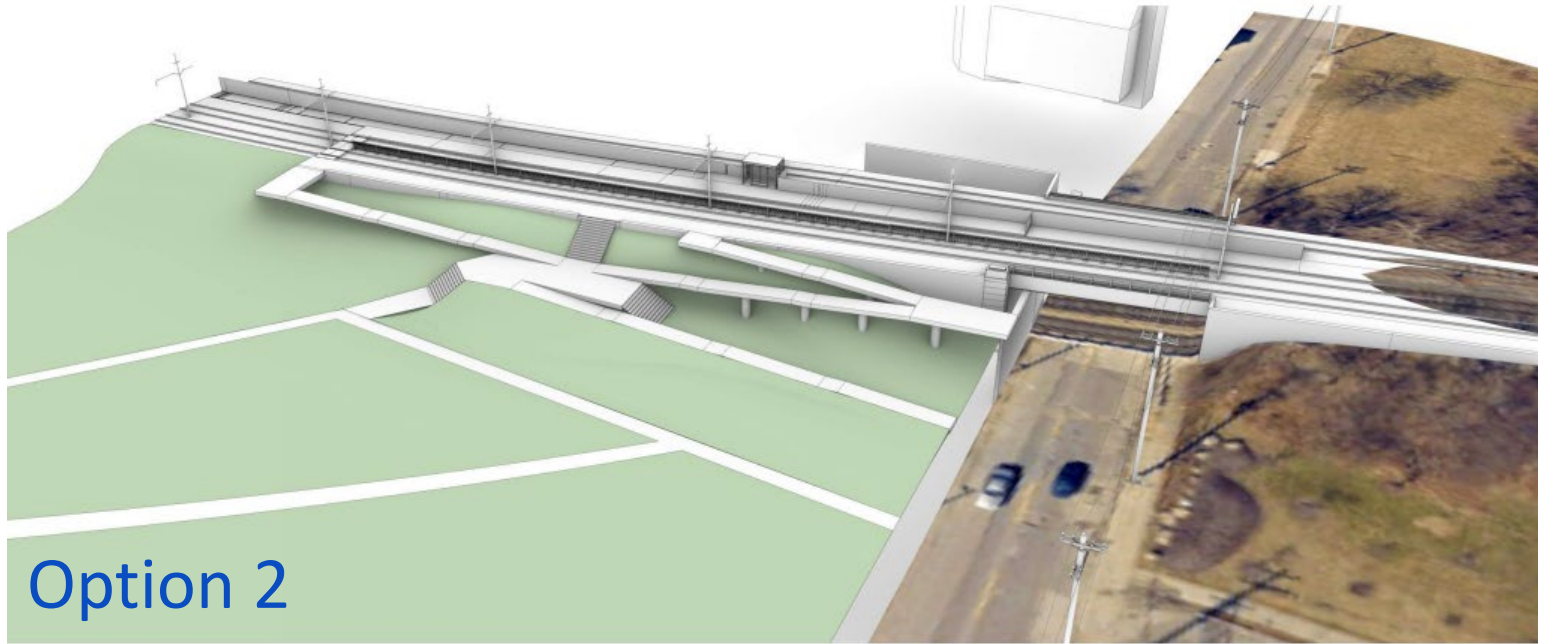


Site Design Studies



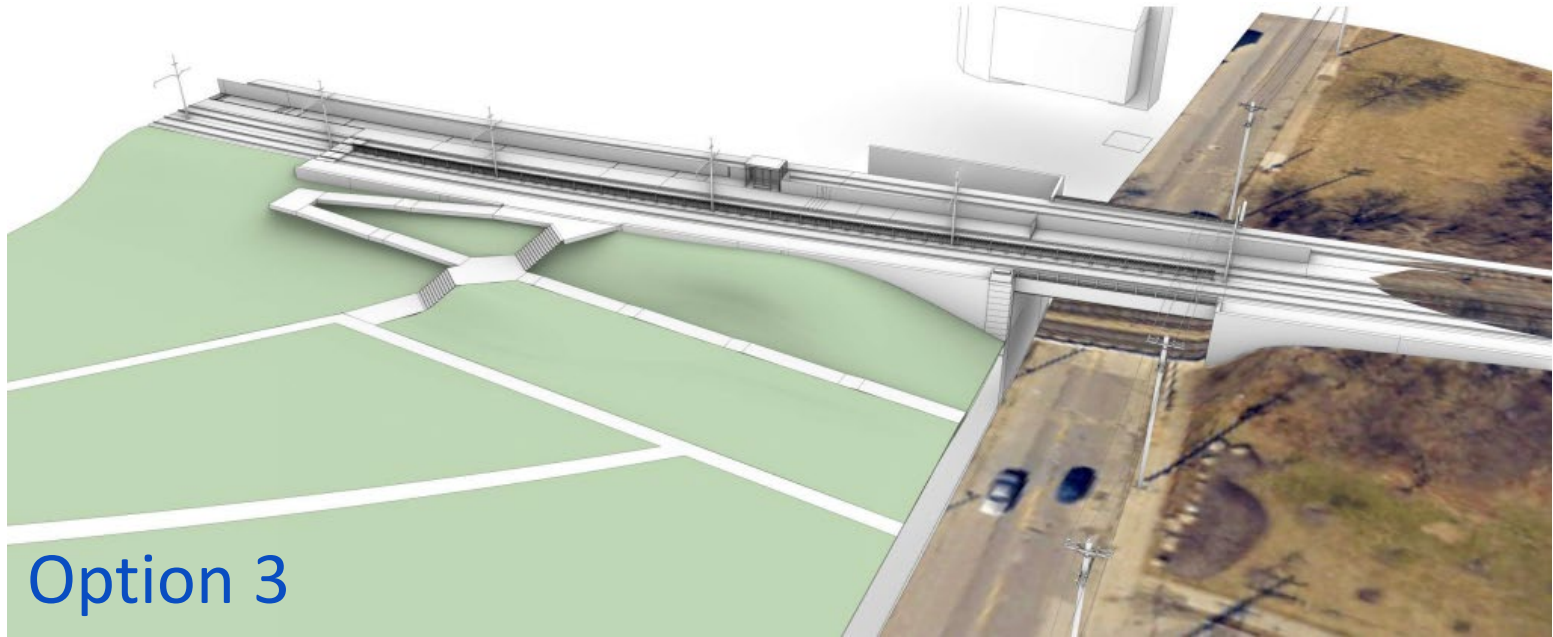
Option 1

Site Design Studies



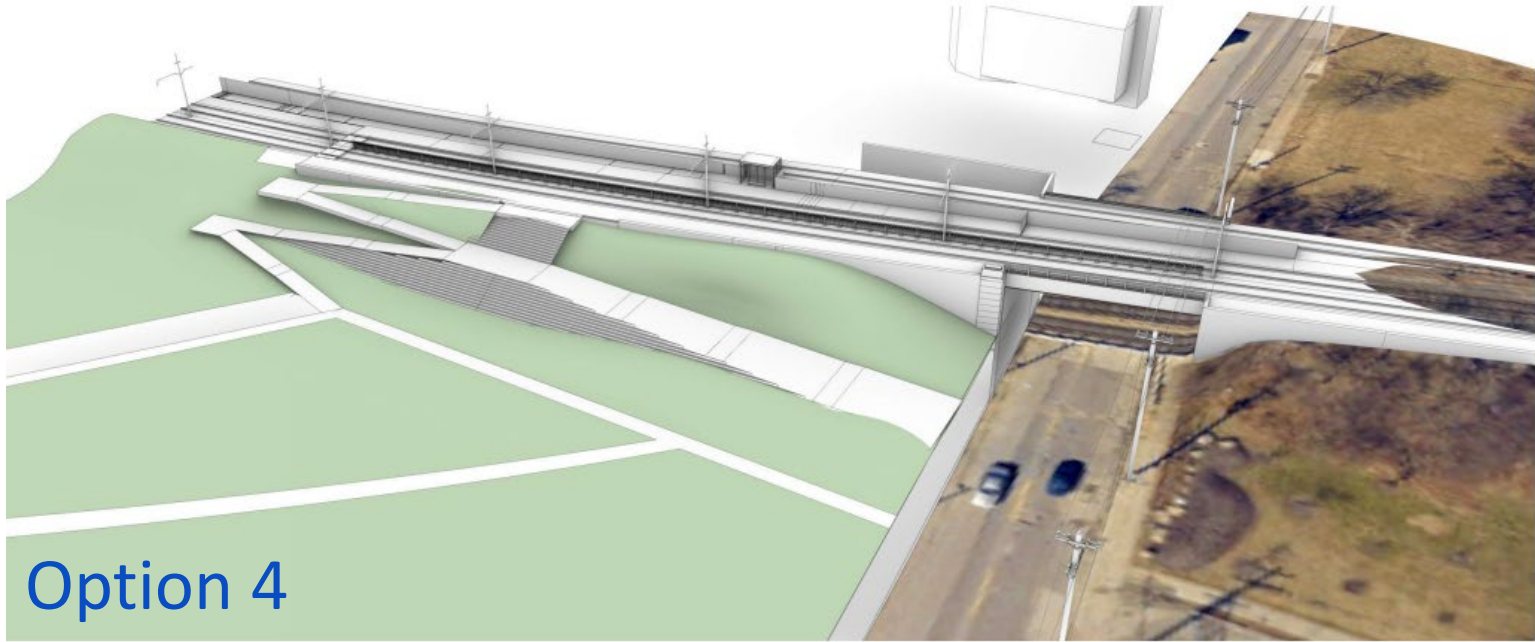
Option 2

Site Design Studies



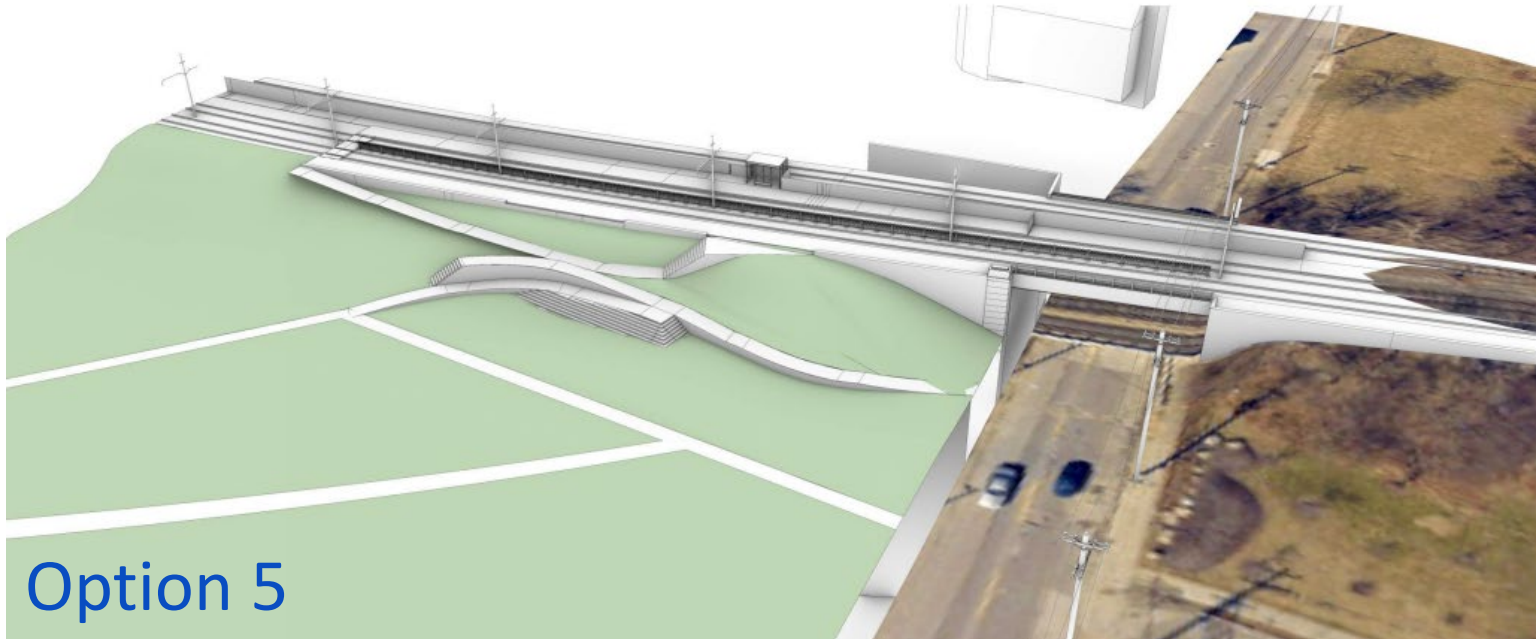
Option 3

Site Design Studies



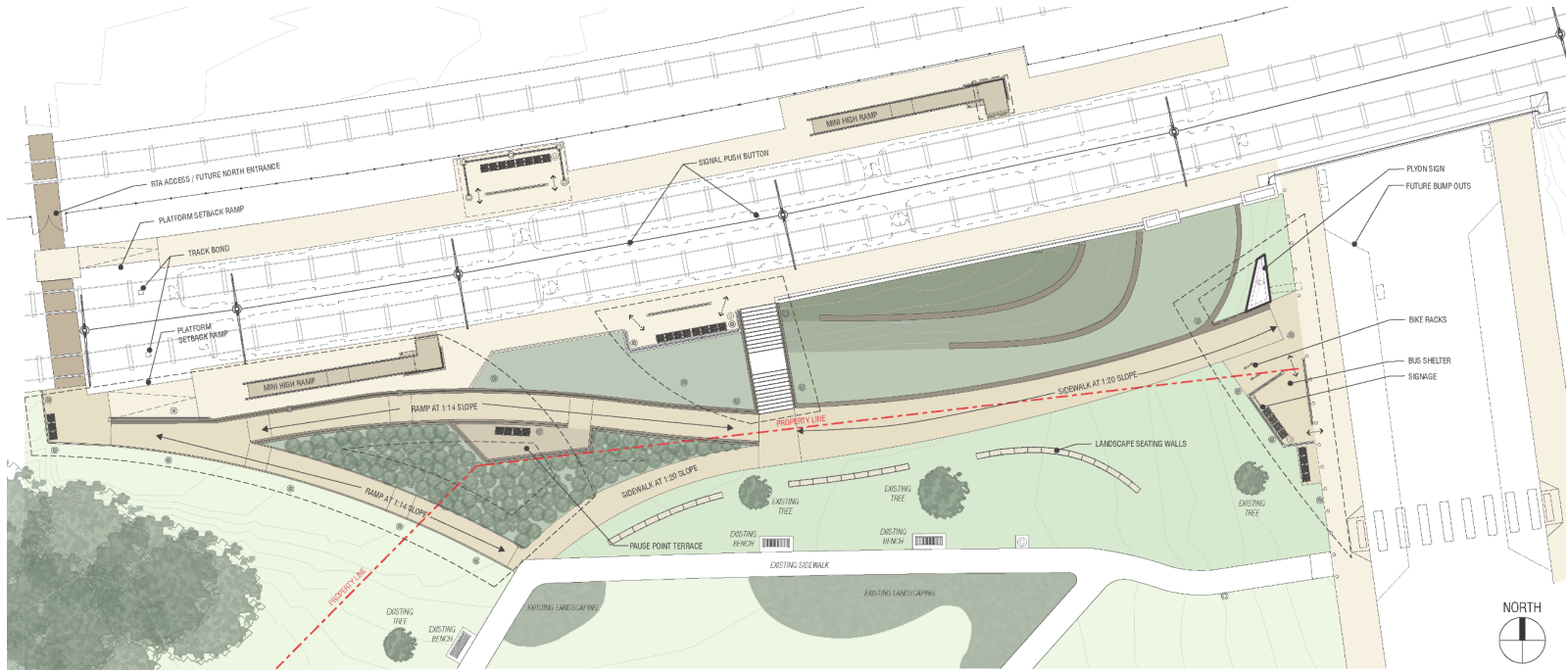
Option 4

Site Design Studies



Option 5

Conceptual Design – Site Plan



Conceptual Design – Overall Site Plan



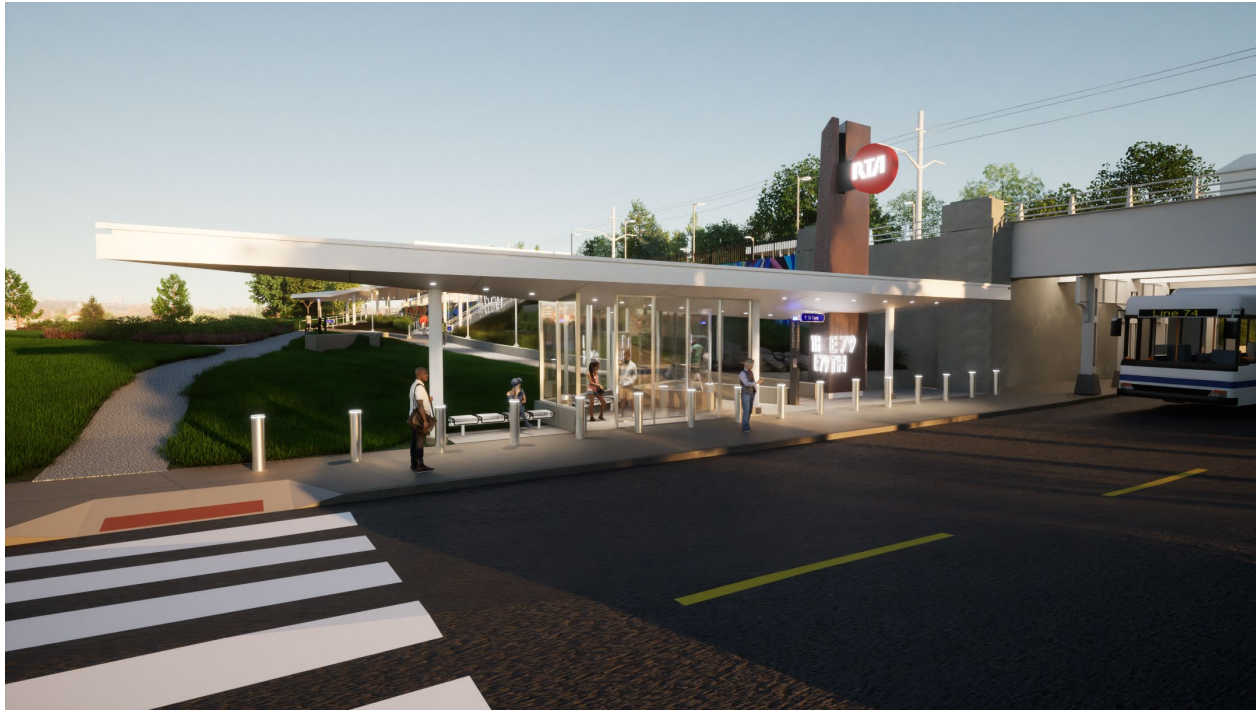
Conceptual Design



Conceptual Design



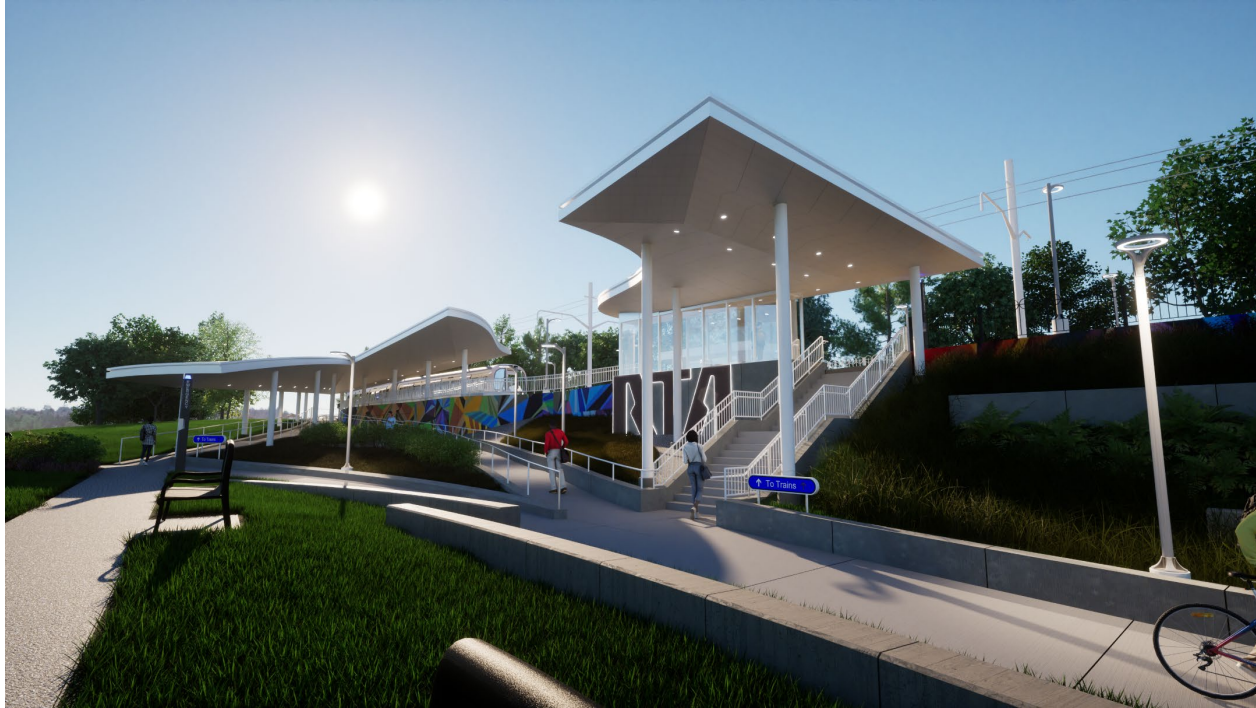
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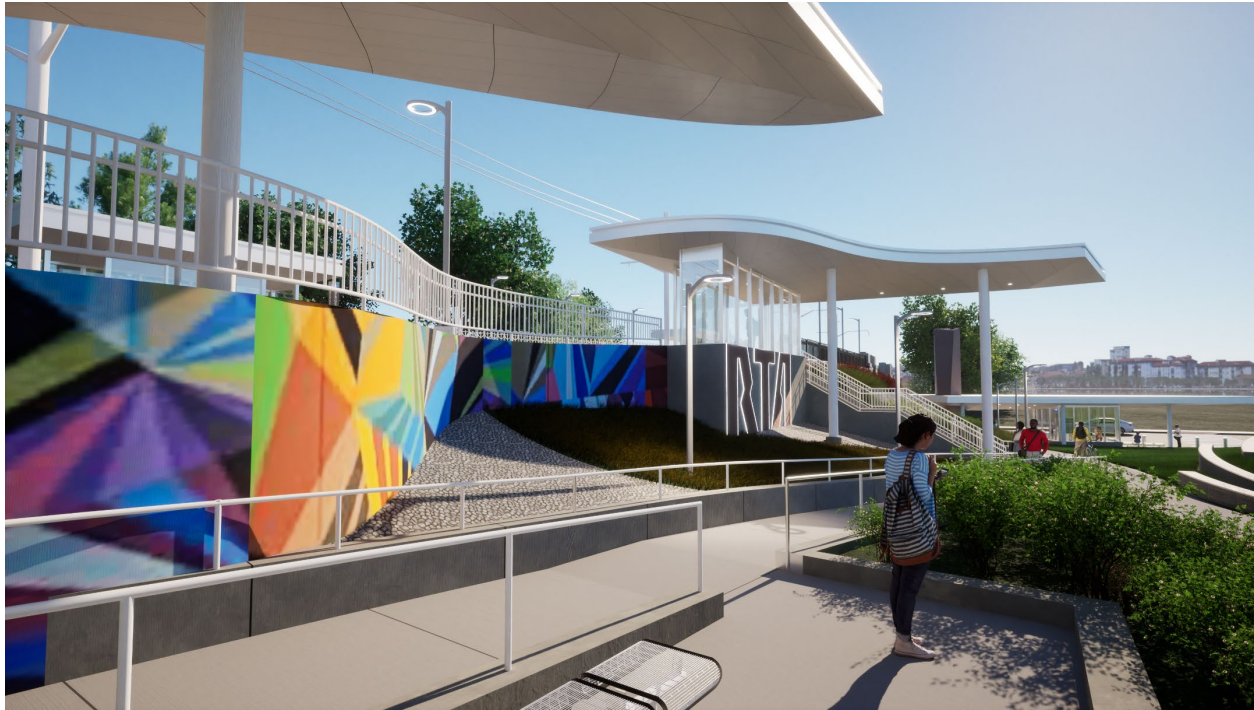
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Conceptual Design



Project Budget/ Schedule

- Construction Estimate: \$8,100,000
 - Funded through All Stations Accessibility Program (ASAP) Grant
- Anticipated Project Schedule:
 - Design: August 2023 to October 2024
 - 420 days from NTP
 - Bidding: November 2024 to February 2025
 - Construction: March 2025 to September 2026
 - Approximately 18 Months

Community and Stakeholder

- Stakeholders Involvement:
 - Conceptual Design Workshop: October 25, 2023
 - GCRTA User Departments
 - City of Cleveland
 - Burten Bell Carr Development Inc.
 - Public Meeting:
 - Working to schedule in January
 - GCRTA Community Advisory Committee
 - Working to schedule in January

Questions?

