E. 34th Street Station Schematic Design

Presented to: Planning & Development Committee March 1, 2016

Greater Cleveland Regional Transit Authority

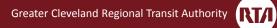


Project Background

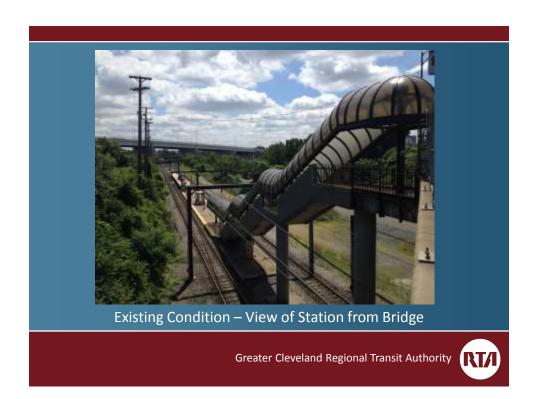
- o Station services the Red, Green & Blue Lines.
- Station must be brought to current ADA Accessibility Guidelines (ADAAG).
- Station currently has a low ridership; we hope the project will support increased ridership and economic development opportunities.
- o Construction Budget: \$5 million.

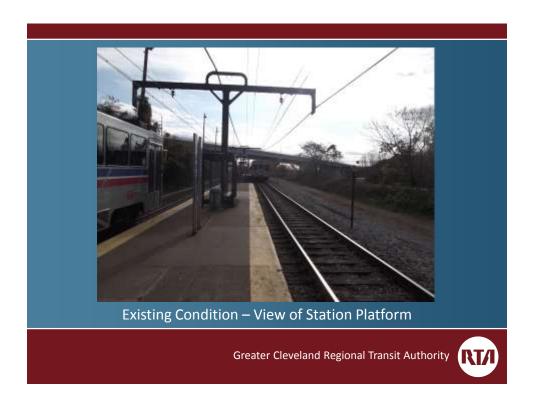


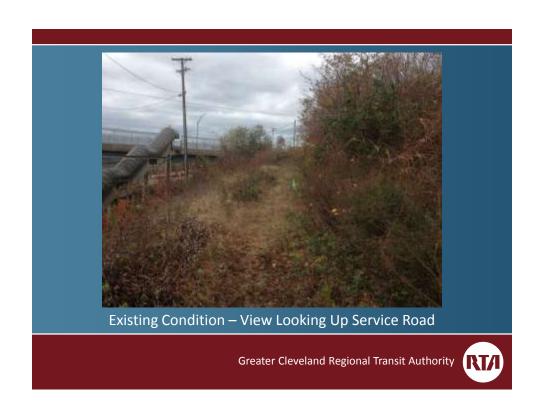


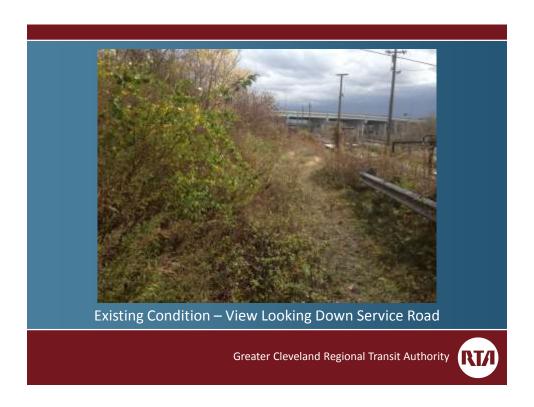


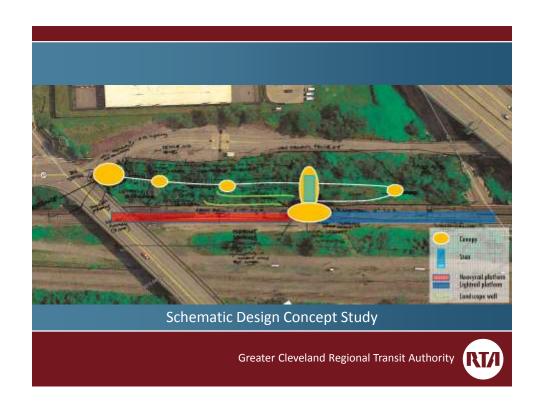












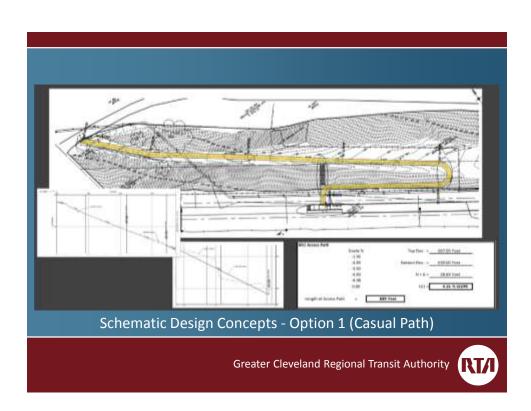
Pedestrian Track Crossing

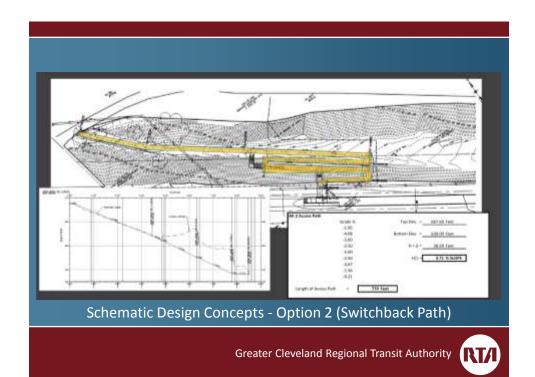
- Crossing will be protected utilizing existing equipment from Brookpark Station.
 - Crossing has operated safely for 14 years.
- Crossing will effect service schedule due to frequency of trains through station.

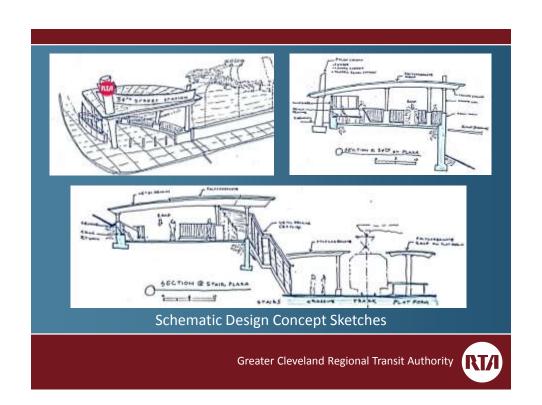


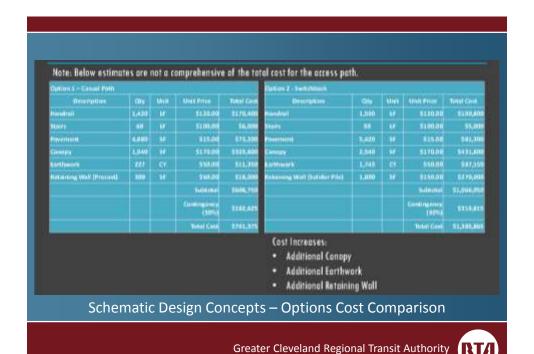












Schematic Design - Option 3 (Casual Path with Ramp)

Schematic Design - Option 3

- o Advantages.
 - o Reduces the paths total travel distance.
 - o Utilizes the natural hillside grades.
 - o Keeps earthwork and retaining walls to a minimum.
- o Construction Estimate: \$4.9 million.
- Construction Schedule: 15 months.
 - o Red Line platform to be closed during construction.

Greater Cleveland Regional Transit Authority



Schematic Design – Option 3

- o Materials:
 - o Permeable Asphalt Pavement
 - Cast-in-place Concrete Walls
 - Tube Steel Framing
 - o Polycarbonate & Metal Canopies
 - o Thermoplastic Guardrails & Handrails



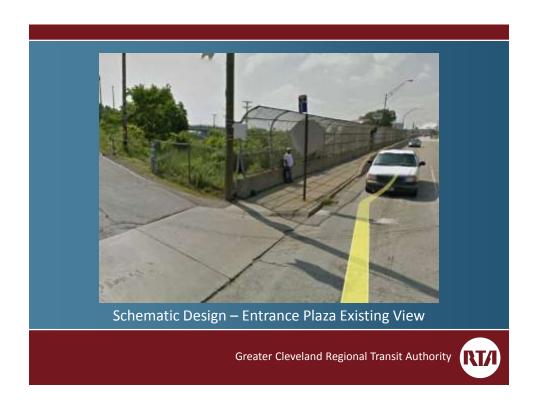


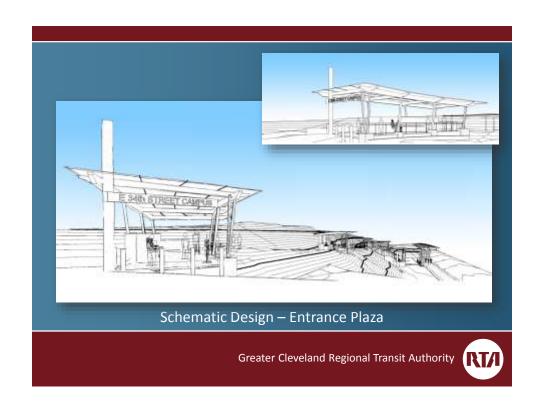


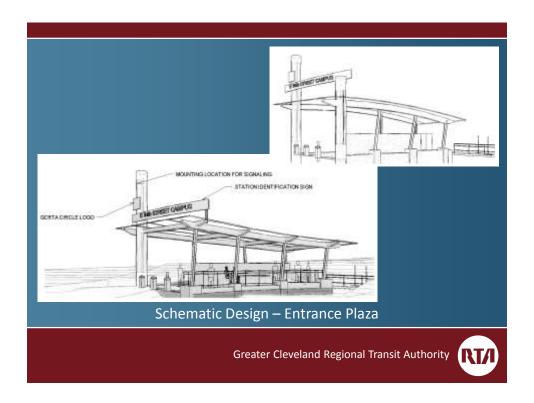


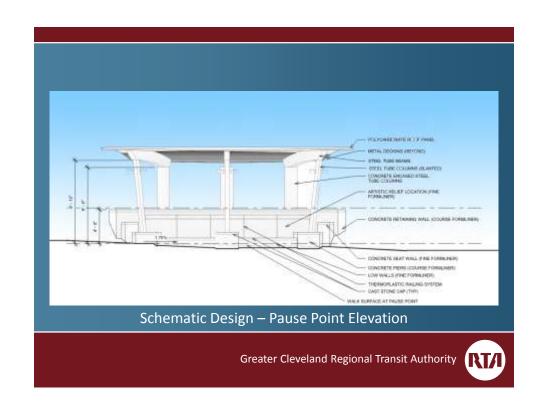
















Sustainability

- SITES
 - o Focuses more on site design than building design.
 - Program is administered by the Green Building Certification Institute (GBCI).
 - o Achieve a minimum of Silver.

Greater Cleveland Regional Transit Authority



Community Involvement

- GCRTA's CAB, ADA & Transit Improvement Advisory Committees
 - o Presented 30% Schematic Design February 5, 2016
 - Recommended Introducing seating at pause points along ramps
 - Using a 1:15 slope at ramp sections from lower pause point to track crossing.



Community Involvement

- Public Engagement & Design Review
 - Mayor's Streetscape & Infrastructure Committee March 15, 2016
 - Stakeholder and Public Meeting March 16, 2016
 - o East Regional Design Review Committee April 26, 2016
 - o Cleveland City Planning Commission May 6, 2016

Greater Cleveland Regional Transit Authority



Project Schedule

- o Interim Design (60%) Submittal May 3, 2016
- o Final Design (98%) Submittal August 18, 2016
- o Issue for Bid Documents October 28, 2016
- o Anticipated Award at January 2016 Board Meeting
- Start Construction March 2017
- Complete Construction May 2018



