



Railcar Replacement Program Periodic Update

Presented to: Committee of the Whole
February 6, 2024

Program Elements

- Railcar Replacement (Red, Blue & Green)
- Design & Construction Support Services
- Infrastructure Modification

Railcar Replacement Purchase

- Railcar Replacement Purchase – (Siemens Mobility Inc.)
 - Base contract - (24 vehicles) – (4-18-23)
 - Exercised Option 1 - (6 vehicles) – (11-28-23)
- Current Contract Value - \$194,429,019.00



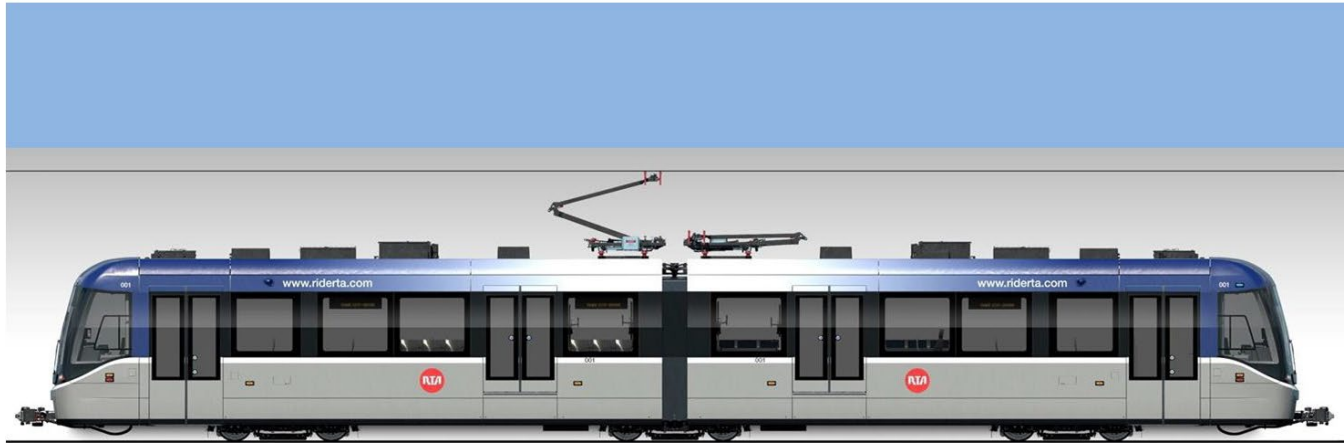
Greater Cleveland Regional Transit Authority



High Floor Light Rail Vehicles

II. Exterior Design Concept

Siemens Mobility, Rolling Stock | Greater Cleveland Regional Transit Authority



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Key Features of New Vehicle

- First High floor LRV built to RT1-2020 design standards
- Ice cutter pantograph on every train
- Heated windshield and pantograph
- Load leveling system to adjust floor height
- Dedicated HVAC unit for operator cab
- 52 passenger seats, 4 wheelchair areas and 2 bicycle racks
- Passenger Information System

Design & Construction Support Services

- Vehicle Engineering Firm – Hatch
 - Developed railcar RFP
 - Design review and manufacturing oversight
- Safety & Security Certification
 - K & J Safety and Security Consulting Services
- Infrastructure Modifications
 - Track work design utilize existing on-call contract with Parsons
 - New RFPs for facility modifications
 - Construction support services will be performed by GCRTA staff

Infrastructure Modifications

- Brookpark Rail Shop
 - Track work – Parsons (Design) – Expected Completion (3-1-24)*
 - Track work – Advertise Construction Bid Package (3-18-24)*
 - Building Interior – Parsons (Design) – Issue NTP (February 2024)*
- Central Rail Maintenance Facility
 - Building Interior – Advertise Design Proposal – (March 2024)*
 - Construction – Advertise Bid Package – (March 2025)

* Upcoming contracts requiring Board approval soon

Infrastructure Modifications (Con't)

- Port of Cleveland Track Connection
 - Parsons (Design) – Complete
 - Environmental Process – Under FTA review
 - » Temporary and Permanent Easements*
 - Construction – IFB Issued 1-15-24
 - » Construction Bids due 2-15-24*

* Upcoming contracts requiring Board approval soon

Infrastructure Modifications (Con't)

- Platform Modifications
 - Red Line – Design – Issue RFP (March 2024)*
 - Blue/Green/Waterfront Lines – TBD

* Upcoming contracts requiring Board approval soon

Other coordination activities

- Employee Training
 - Developing strategy to train mechanics
 - Hiring 2 additional mechanic trainers to assist
 - Leveraging knowledge from other transit properties
- Operational Considerations
 - Testing, construction, revenue service implementation and final configuration

Program Funding Strategy

The expected funding for the total program:

Source	Amount	Percentage
RTA	\$ 79.0M	20.1%
Federal	\$230.0M	58.5%
State	\$ 60.0M	15.3%
NOACA	\$ 24.0M	6.1%
TOTAL	\$393.0M	100.0%

Program Funding Status

- \$355.3 M – Currently committed
- \$37.7 M – Remaining to be funded

Questions?

