



**EXERCISE OF AN OPTION UNDER CONTRACT NO. 2021-125  
WITH SIEMENS MOBILITY INC.  
FOR THE PURCHASE OF SIX (6), HIGH FLOOR LIGHT RAIL  
VEHICLES**

Presented to: Committee of the Whole  
November 14, 2023

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# Procurement Overview

The Board of Trustees approved Resolution No. 2023-26 on April 18, 2023, authorizing Contract No. 2021-125 with Siemens Mobility Inc., for the manufacture and delivery of up to twenty-four (24), High Floor Light Rail Vehicles, spare parts, tooling and training in an amount not to exceed \$163,920,115.00 with options to procure up to thirty-six (36) additional vehicles, spare parts, tooling and training to be delivered over the seven (7) year contract term.

# Procurement Overview

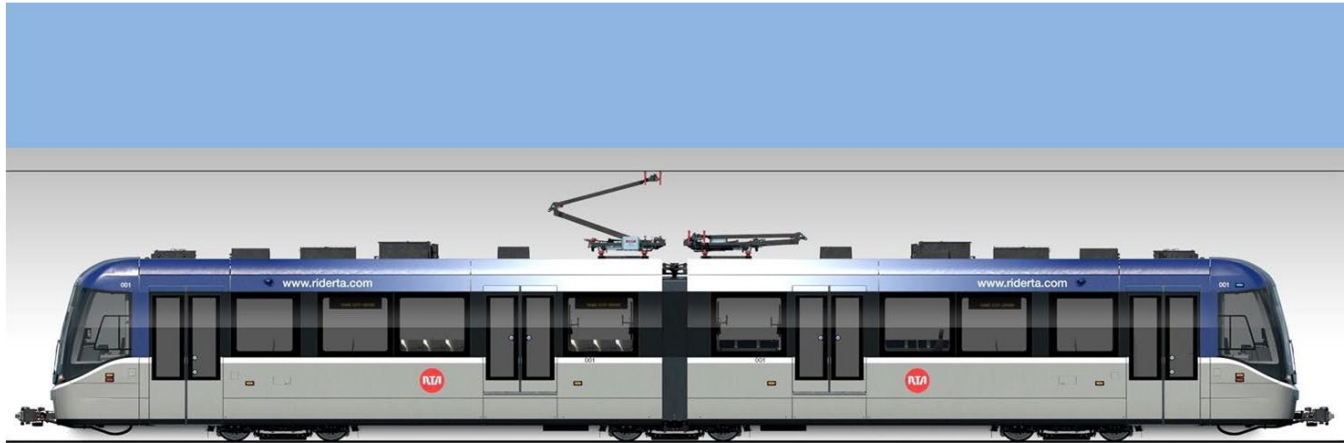
- The contract has a provision for the one-time purchase of up to six (6) vehicles, within six (6) months of the Notice to Proceed (NTP), at the original contract unit price, with no escalation.
- The NTP was issued on June 26, 2023.
- On October 31, 2023, the Board of Trustees approved Resolution No. 2023-84, which amended the 2023 Capital Improvement budget to fund this contract option.
- Siemens Mobility Inc. will have capacity available to meet GCRTA's production need.

# Project Overview

## 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

# The S200 LRV for the GCRTA

Articulation Area and Bicycle Stowage - Concept

Siemens Mobility, Rolling Stock | Greater Cleveland Regional Transit Authority



Concept  
Only

# Railcar Replacement Program

- Railcar Replacement HRV
- Railcar Replacement LRV
- Railcar Spare Parts
- Design & Construction Support Services
- Infrastructure Modification

# Infrastructure Modifications

- Brookpark Shop – facility and yard modifications. This is the location for commissioning and testing of the new railcars
- CRMF – facility and shop modifications
- Stations – Platform width Red Line & mini highs on Blue & Green Lines
- Railroad Connection – vehicle delivery



# Program Overview – Funding Strategy

- A firm plan in place to secure the Local match assisted in outreach to potential partners at Federal, State and Local levels
- Identified funding through these efforts to secure:
  - Federal formula funds
  - Federal competitive and community project grants
  - Ohio OTP2 grants
  - Ohio General Revenue Fund (GRF)
  - NOACA Surface Transportation Block Grant (STBG)
- Additional efforts continue to bridge the remaining gaps

# Program Overview – Funding Strategy (cont'd)

The expected funding for the total program:

<b>Source</b>	<b>Amount</b>	<b>Percentage</b>
RTA	\$ 79.0M	20.1%
Federal	\$230.0M	58.5%
State	\$ 60.0M	15.3%
Local (NOACA)	\$ 24.0M	6.1%
<b>TOTAL</b>	<b>\$393.0M</b>	<b>100.0%</b>

# Railcar Replacement Program Funding Stack

FUNDING SOURCE	FUNDING AMOUNT	AWARDED	COMMITTED	UNFUNDED
GCRTA ROLLING STOCK RESERVE FUND	\$79,000,000	\$71,724,187	\$7,275,813	\$0
FTA SECTION 5307 AND 5337 FORMULA GRANT FUNDS (W/O Local Match)	\$75,000,000	\$29,668,087	\$33,831,913	\$11,500,000
FTA SECTION 5337 Rail Car/USDOT BUILD/RAISE FUND	\$155,000,000	\$25,000,000	\$130,000,000	\$0
ODOT STBG/CMAQ	\$55,500,000	\$16,900,000	\$12,408,000	\$26,192,000
ODOT GRF	\$4,500,000	\$4,500,000	\$0	\$0
NOACA STBG	\$24,000,000	\$9,600,000	\$14,400,000	\$0
<b>Total</b>	<b>\$393,000,000</b>	<b>\$157,392,274</b>	<b>\$197,915,726</b>	<b>\$37,692,000</b>

# Project Overview – Cost

<b>Contract Value</b>						
	<b>Qty (Vehicles)</b>	<b>Description</b>	<b>Unit Price</b>	<b>Sub-Total</b>	<b>Nonrecurring Costs</b>	<b>Total Price</b>
1	24	Base Contract	\$5,166,336	\$123,992,064	\$39,928,051	\$163,920,115
2	6	PCO #01 - 6 Option Vehicles	\$5,166,336	\$30,998,016	\$0	\$30,998,016
						\$194,918,131

# Federal Transit Administration - Buy America Review

As a condition to receiving FTA grant funds for the purchase of rolling stock, GCRTA must certify compliance with Buy America and the pre-award and post-delivery audit requirements, as prescribed by 49 CFR part 663. This requirement also applies to options.

- The manufacturer must demonstrate the cost of domestic components is greater than 70% of the value of the total car cost. We must verify the manufacturer's information.
- Final assembly of the vehicles must take place in the United States in accordance with 49 CFR Part 661.11.
- The rolling stock procured is the same product described in its solicitation specification; and the proposed manufacturer is a responsible manufacturer with the capability to produce a vehicle that meets the GCRTA's specification.
- Internal Audit completed the pre-award audit for the base order of 24 cars in May 2023. An additional pre-award audit for the 6 option cars will be completed after board award and prior to notice to proceed.

# Procurement Overview

Recommendation:

Staff requests that the Committee of the Whole recommend to the Board of Trustees the award of an option for the purchase and delivery of up to six (6), of the remaining thirty-six (36), High Floor Light Rail Vehicles, in an amount not to exceed \$30,998,016

# Questions?

