



EXERCISE OF AN OPTION UNDER CONTRACT NO. 2021-125 WITH SIEMENS MOBILITY INC.

**AUTHORIZING THE EXERCISE OF AN OPTION TO
PURCHASE UP TO TWELVE (12) HIGH FLOOR LIGHT RAIL VEHICLES**

Presented to: Committee of the Whole
August 5, 2025

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PROCUREMENT OVERVIEW

AUTHORIZING THE EXERCISE OF AN OPTION TO PURCHASE UP TO TWELVE (12) HIGH FLOOR LIGHT RAIL VEHICLES

- This is a request to approve the execution of the negotiated competitive contract option for the purchase and delivery of up to twelve (12) options under Contract No. 2021-125 with Siemens Mobility Inc.
- On April 18, 2023, the Authority awarded Contract No. 2021-125 to Siemens Mobility, Inc. (“Contract”) 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, with an option to procure up to thirty-six (36) additional railcars, spare parts, tooling and training to be delivered over the seven (7) year contract term.

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PROCUREMENT OVERVIEW

AUTHORIZING THE EXERCISE OF AN OPTION TO PURCHASE UP TO TWELVE (12) HIGH FLOOR LIGHT RAIL VEHICLES

- The Contract included a provision for the one-time purchase of up to six (6) railcars, within six (6) months of Notice to Proceed, at the original contract unit price of \$5,166,336, with no escalation.
- The Board of Trustees, on November 28, 2023, in Resolution No. 2023-088, authorized the first option to purchase those six (6) additional railcars at a not-to-exceed amount of \$30,998,016.
- The Board of Trustees, on November 19, 2024, in Resolution No. 2024-088, authorized the second option to purchase eighteen (18) additional railcars and spare parts and special tools at a not to exceed price of \$112,800,000.

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PROCUREMENT OVERVIEW
**AUTHORIZING THE EXERCISE OF AN OPTION TO PURCHASE UP TO TWELVE
(12) HIGH FLOOR LIGHT RAIL VEHICLES**

Four (4) additional change orders, in a total amount of \$671,718.21, have been authorized by the General Manager, Chief Executive Officer, as identified on the Change Order Log.

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PROCUREMENT OVERVIEW

CHANGE ORDER No. 6 LOG CONTRACT NO. 2021-125 RAILCAR REPLACEMENT PURCHASE

Contract #2021-125

Contractor: Siemens Mobility Inc.

Original Contract Amount **\$163,920,115.00**

Total G.M./C.E.O. Authority Remaining **\$5,828,281.79**

Total Change Order Amount To Date **\$144,469,735**

ITEM NO.	NOTE No.	APPROVAL DATE	CHANGE ORDER AMOUNT	APPROVAL AUTHORITY	NEW CONTRACT AMOUNT
1	1	11-28-23	\$30,998,016.00	BOT	\$194,918,131.00
2	2	12-5-23	\$510,888.00	\$5,989,112.00	\$195,429,019.00
3	3	12-6-23	\$0.00	\$5,989,112.00	\$195,429,019.00
4	4	3-29-24	\$108,916.54	\$5,880,195.46	\$195,537,935.54
5	5	8-6-24	\$51,913.67	\$5,828,281.79	\$195,589,849.21
6	6	12-13-24	\$112,800,000.79	BOT	\$308,389,850.00

NOTES/CHANGE ORDER DESCRIPTION:

CO No. 1 – Exercise 6 Vehicle Options

CO No. 2 – 4 Additional Couplers

CO No. 3 – Modification of SP-20B

CO No. 4 – Smoke Detectors

CO No. 5 – Additional Wheel Profiles

CO No. 6 – 18 Option Vehicles, Spare Parts and Tools

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PROCUREMENT OVERVIEW

AUTHORIZING THE EXERCISE OF AN OPTION TO PURCHASE UP TO TWELVE (12) HIGH FLOOR LIGHT RAIL VEHICLES

The Authority now seeks to exercise an option to purchase up to twelve (12) of the remaining railcars under the Contract. The Contract provided that the cost for optional railcars would be priced at the original base price of \$5,166,336 plus an inflationary price increase that would be calculated at the time of final assembly of each railcar based on the Producer Price Index for Transportation Equipment and a national labor index that is published monthly by the United States Department of Labor Bureau of Labor Statistics.

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PROCUREMENT OVERVIEW

AUTHORIZING THE EXERCISE OF AN OPTION TO PURCHASE UP TO TWELVE (12) HIGH FLOOR LIGHT RAIL VEHICLES

- As of June 2025, the base price of \$5,166,336 has risen to \$5,474,631.63 based on the market indices.
 - Application of a ten-year historical review of those indices results in a projected price of \$6.0M per railcar at the time of final assembly.
- Funding has been identified to fund this option in an amount not to exceed \$72,000,000 for up to all twelve (12) of the remaining additional high floor light rail vehicles.

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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

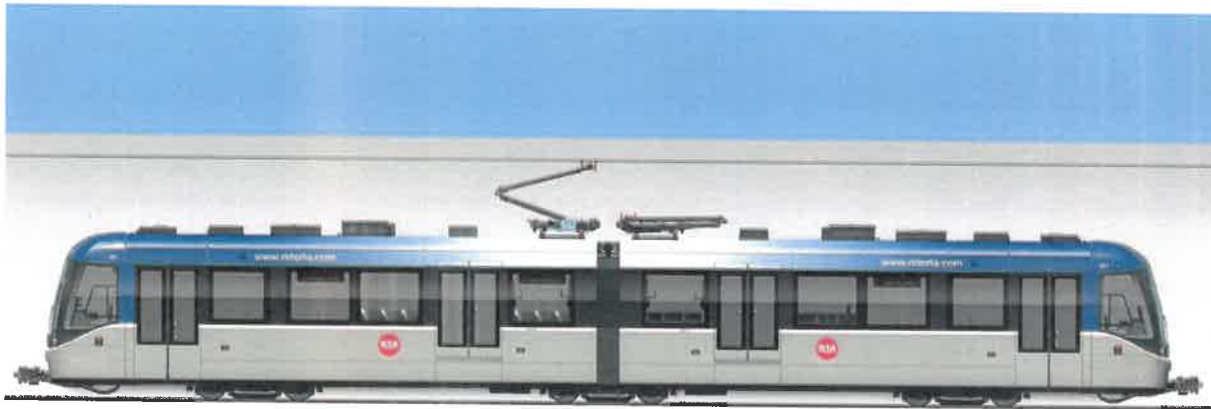
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Project Overview

High Floor Light Rail Vehicles



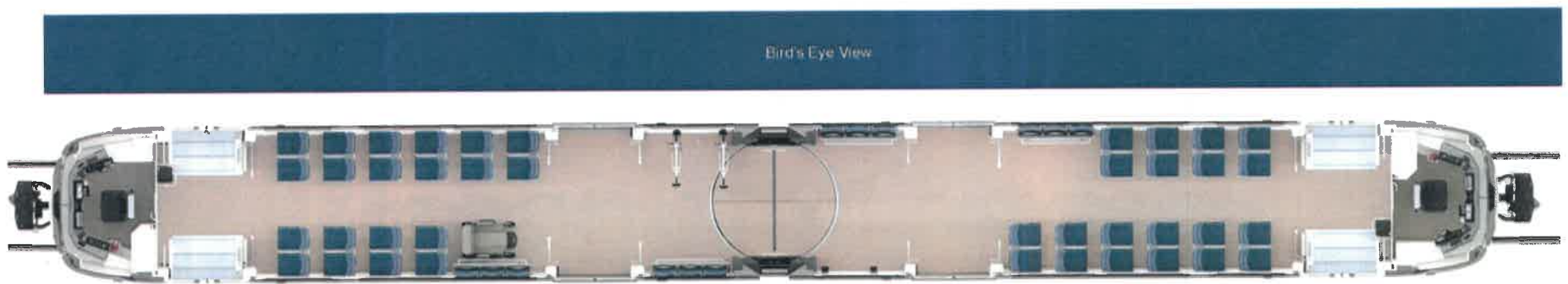
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Project Overview

Interior Layout



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Project Overview

Interior Layout



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Project Overview

Manufacturing



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Project Overview

Painted Carshell



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Project Overview

Married Carshell



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Railcar Replacement Program

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

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Railcar Replacement Program Budget

(Based on Board approved budget as of May 20, 2025)

Item	Current Budget
Vehicle Acquisition	\$380,702,126
Design, Inspection & Testing	\$6,453,947
Existing Infrastructure Upgrades	\$33,524,698
Project Administration	\$300,000
Force Account	\$12,712,115
Unallocated Contingency	\$16,307,114
Total	\$450,000,000

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Funding As of – July 1, 2025

RAILCAR REPLACEMENT PROGRAM				
FUNDING SOURCE	FUNDING AMOUNT	AWARDED	COMMITTED	UNCOMMITTED
GCRTA ROLLING STOCK RESERVE FUND	\$105,000,000	\$87,000,000	\$3,000,000	\$15,000,000
FTA SECTION 5307 AND 5337 FORMULA GRANT FUNDS	\$86,200,000	\$51,939,200	\$34,260,800	
FTA SECTION 5337 IIJA Rail Car/USDOT BUILD/RAISE FUND	\$155,000,000	\$155,000,000		
ODOT STBG/CRP	\$70,600,000	\$29,308,000	\$26,832,000	\$14,460,000
ODOT GRF	\$4,400,000	\$4,400,000		
NOACA STBG/CRP	\$28,800,000	\$16,800,000	\$12,000,000	
Total	\$450,000,000	\$344,447,200	\$76,092,800	\$29,460,000

\$420,540,000

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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.

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Federal Transit Administration - Buy America Review

1. Pre-Award Audits for Initial and Option Vehicles:

- The initial pre-award audit for the base order of 24 cars was completed in May 2023.
- A second audit for the first option of 6 cars (Board Resolution No. 2023-088) was completed in December 2023.
- A third audit for the second option of 18 cars (Board Resolution No. 2024-088) was completed in December 2024.

2. No Exceptions Found:

- For all completed pre-award audits, no exceptions were noted.
- The necessary certificates were issued to GCRTA management.

3. Upcoming Audit:

- A final pre-award audit will be completed for the third option of 12 cars, but only upon approval by the board.

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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 all twelve (12) of the remaining additional high floor light rail vehicles in an amount not to exceed \$72,000,000.

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Questions

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