



BOARD OF DIRECTORS

METROPOLITAN ATLANTA RAPID TRANSIT AUTHORITY

OPERATIONS AND SAFETY COMMITTEE

THURSDAY, SEPTEMBER 28, 2023

ATLANTA, GEORGIA

MEETING MINUTES

1. CALL TO ORDER AND ROLL CALL

Committee Vice Chair William Floyd called the meeting to order at 10:00 A.M.

Board Members

Present:

James Durrett
William Floyd
Roderick Frierson
Freda Hardage
Jennifer Ide
Rita Scott
Jacob Tzegaegbe

Board Members

Absent:

Stacy Blakley
Sagirah Jones
Russell McMurry
Jannine Miller
Al Pond
Kathryn Powers
Valencia Williamson
Thomas Worthy

Staff Members Present:

Collie Greenwood
Rhonda Allen
Peter Andrews
Deputy Chief Davenport
Ralph McKinney
Melissa Mullinax
Carrie Rocha
Raj Srinath
George Wright

Also in Attendance:

Justice Leah Ward Sears, Phyllis Bryant, Thomas Drozt, Stephany Fisher, Benita Gibson, Richard Gonzalez, Kenya Hammond, Daniel Hecht, Jacqueline Holland, Tyrene Huff, Jonathan Hunt, Paula Nash, Etheridge Spencer, Dwana Williams, and Sonsia Wise.

2. **APPROVAL of the August 24, 2023 Operations and Safety Committee Minutes**

On a motion by Board Member Durrett, seconded by Board Member Tzegaegbe, the motion passed By a vote of 7 to 0 with 7 members present.

3. **RESOLUTIONS**

Resolution Authorizing a Modification in Contractual Authorization for AC Wheel Axle Overhaul and Repair Services, IFB B36724

Approval of Resolution Authorizing a Modification in Contractual Authorization for AC Wheel Axle Overhaul and Repair Services, IFB B36724. On a motion by Board Member Durrett, seconded by Board Member Frierson, the resolution passed by a vote of 7 to 0 with 7 members present.

Resolution Authorizing a Modification in Contractual Authorization for Train Control and SCADA Systems Upgrade, RFP P15120

Approval of Resolution Authorizing a Modification in Contractual Authorization for Train Control and SCADA Systems Upgrade, RFP P15120. On a motion by Board Member Durrett, seconded by Board Member Tzegaegbe, the resolution passed by a vote of 7 to 0 with 7 members present.

Resolution Authorizing the Solicitation of Proposals for the Procurement of Maintenance of Way and Operational Support Services, RFP P50405

Approval of Resolution Authorizing the Solicitation of Proposals for the Procurement of Maintenance of Way and Operational Support Services, RFP P50405. On a motion by Board Member Hardage, seconded by Board Member Frierson, the resolution passed by a vote of 7 to 0 with 7 members present.

4. **BRIEFING**

George Wright briefed the Committee on the revised Organizational Chart for the Operations Division.

5. **OTHER MATTERS**

- a. Letter to Inform the Board - Resolution Authorizing the Award of a Non-Revenue Vehicle Parts Contract RFPP P50390 Utilizing the General Services Administration (GSA) Contract (Informational Only)
- b. FY24 July Key Performance Indicators (Informational Only)

6. **ADJOURNMENT**

The Committee meeting adjourned at 10:49 A.M.

Respectfully submitted,



Tyrene L. Huff
Assistant Secretary to the Board

Resolution Authorizing a Modification in Contractual Authorization for AC Wheel Axle Overhaul and Repair Services, IFB B36724

Operations and Safety Committee
September 28, 2023

Ethridge Spencer
Program Manager Rail Car Maintenance





Modification in Contractual Authorization for AC Wheel Axle Overhaul and Repair Services, IFB B36724

- Financial Considerations
- Business Purpose
- Procurement Details
- Resolution



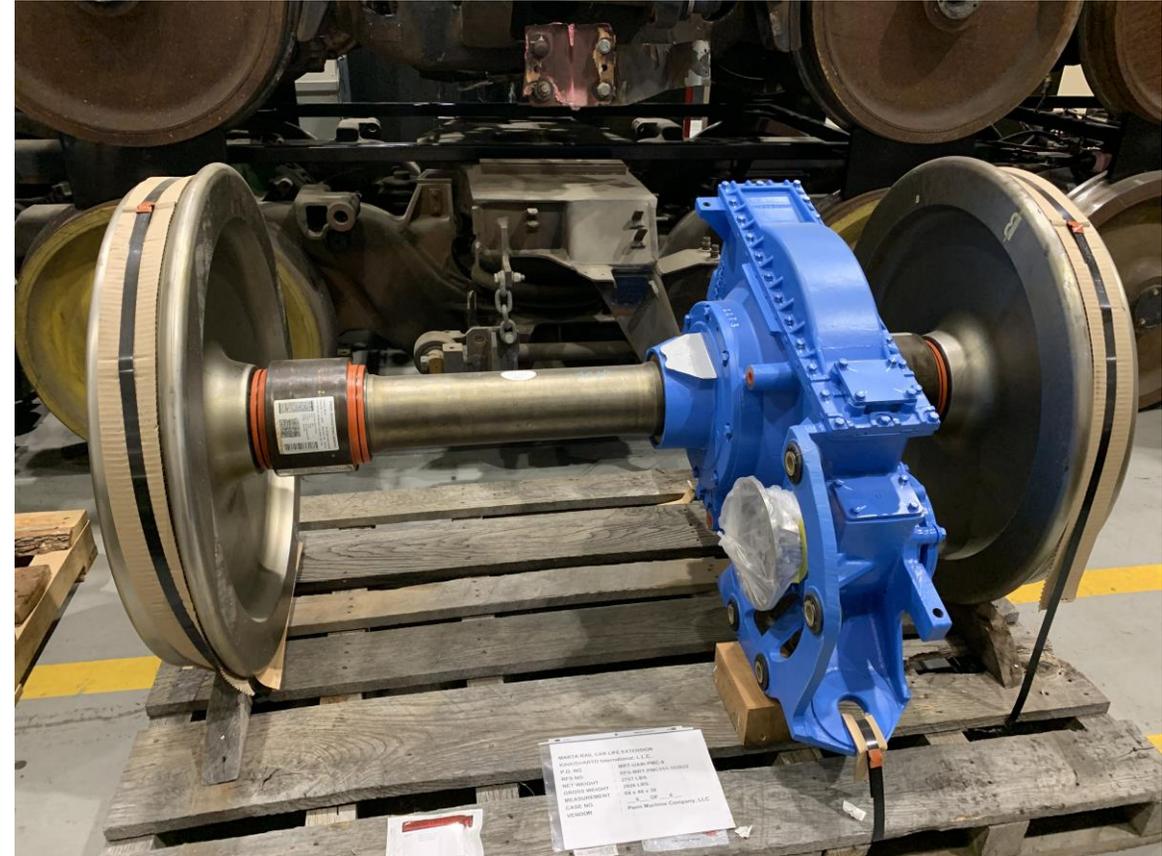
Current Contract Value	\$9,428,161.00
Additional Funds	\$1,772,521.00
Total	\$11,200,682.00

Financial Considerations

- UTC/RAS
- Local Operating and Capital Funds

Business Purpose

- Critical Component Overhaul
- Support LCARE
- Improved Reliability and Availability



Procurement Considerations

- Continuity of Service
- Internal Audit Review
- DBE Considerations



Resolution

- UTC/RAS
- \$1,772,521.00 Increase
- \$11,200,682.00 Total





Thank You



Resolution Authorizing a Modification in Contractual Authorization for Train Control and SCADA Systems Upgrade, RFP P15120



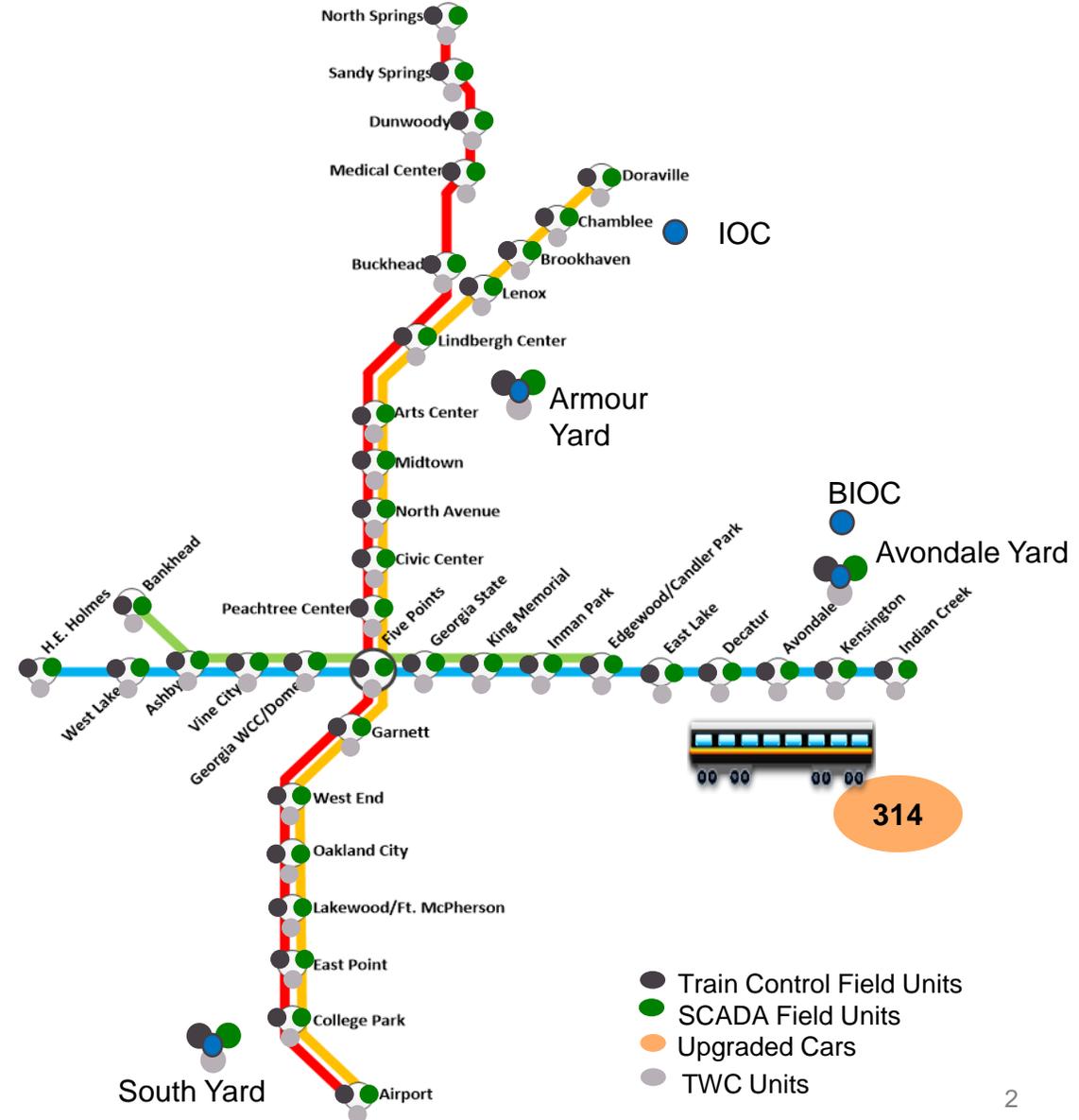
Operations and Safety Committee
September 28, 2023

Daniel Hecht, P.E.
Deputy Chief Mechanical Officer

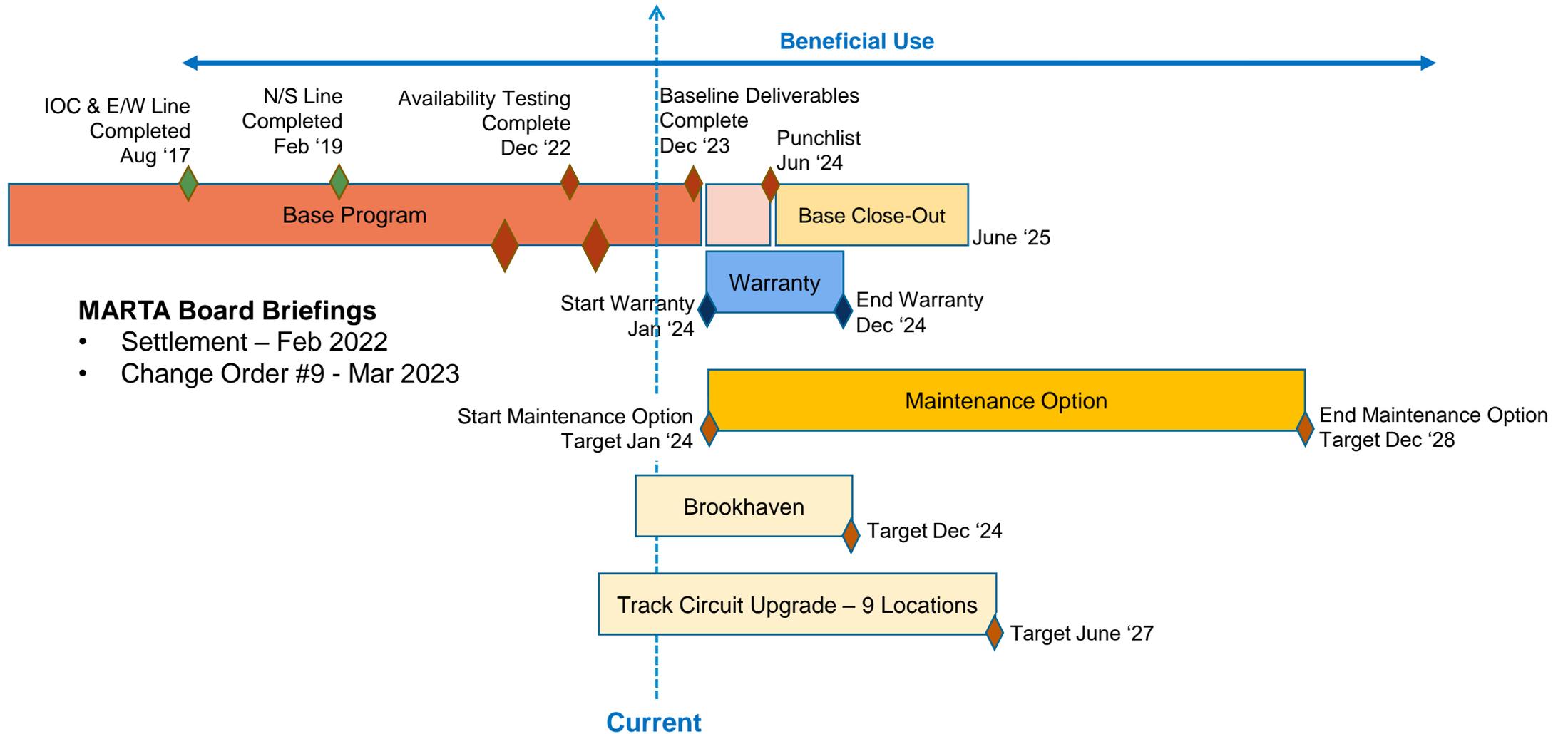
TCSU Background

Sub-System	Completion
Train Control Field Units	100%
SCADA Field Units	100%
Rail Vehicle Upgrades	100%
Train-Wayside Communication (TWC)	100%
Train Control and SCADA Software - IOC, BIOC, Yards	95%

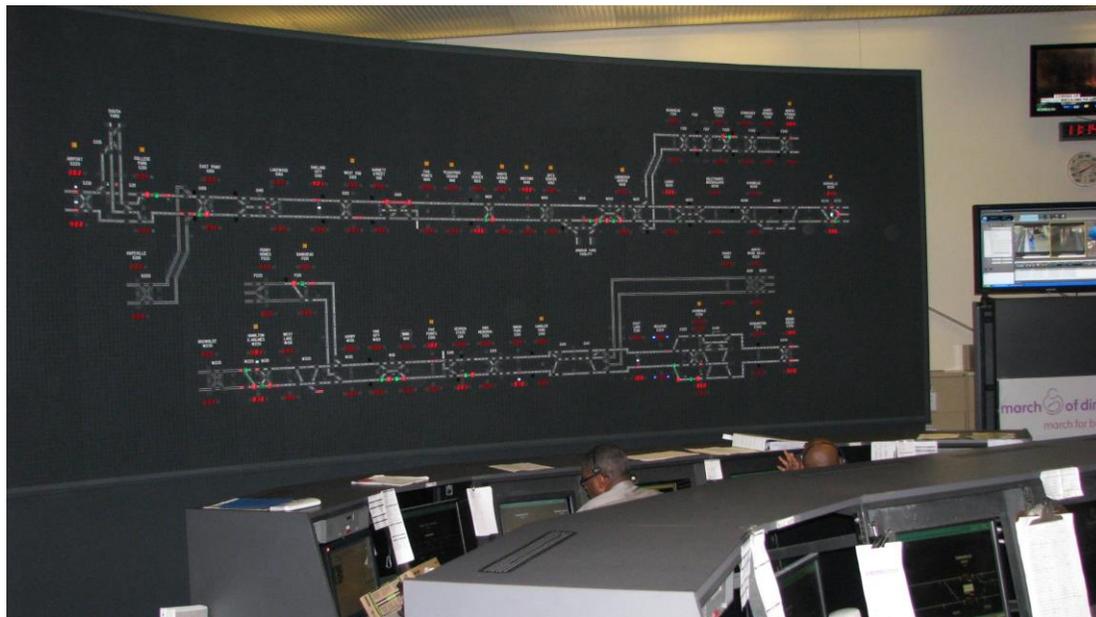
- ✓ Nearing project completion
- ✓ All rail lines and yards have been operating on the new system
- ✓ Alstom completed Availability Demonstration in December 2022



Train Control & SCADA System Roadmap



Control Center – Then and Now



Prior Rail Control Center
at Avondale

Current Rail Control Center
at Chamblee



Current Status

1. Alstom will complete core project deliverables by December 2023
2. Select deliverables will be completed during Warranty Phase
 - a. System Admin training
 - b. As-built documentation
 - c. Low priority system functions
 - d. Software management tools
3. MARTA will withhold payments until deliverables are complete
4. Warranty Terms remain unchanged
5. Per March 2022 Settlement Agreement, MARTA will exercise "Maintenance Option 1"



Maintenance Option 1 (2024-2029)

1. Maintenance Bucket 1: Base Maintenance Option 1

- ✓ Hardware/Software refresh in IOC/BIOC/Yards/Field (design, analysis of system options, cyber security updates, installation, testing, optimization, commissioning)
- ✓ Board approved with Capital Funds as part of the original contract

2. Maintenance Bucket 2: System Administration

- ✓ 24X7 support, dedicated staff, and ongoing system change management
- ✓ Train Control and SCADA updates, engineering changes, software patches and improvements

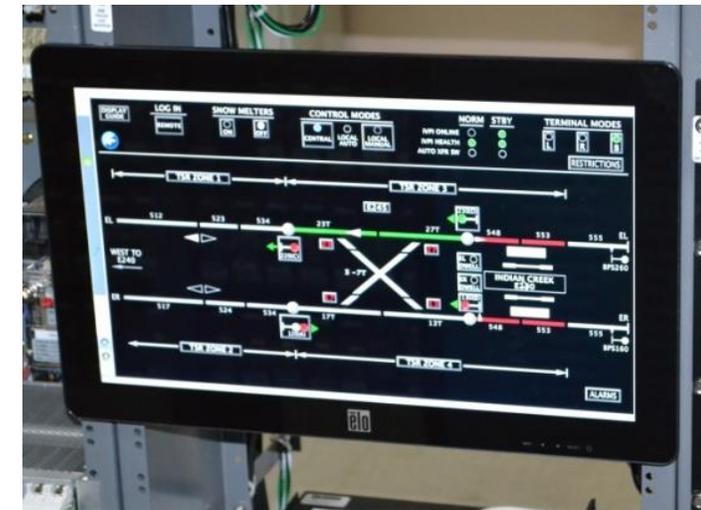
3. Maintenance Bucket 3: System Enhancements

- ✓ Major modifications to Train Control and SCADA for ongoing large-scale projects
- ✓ Ex. CQ400, Brookhaven Crossover and Test Track, Bankhead Platform Extension

Maintenance Option Estimated Budget – Five Years

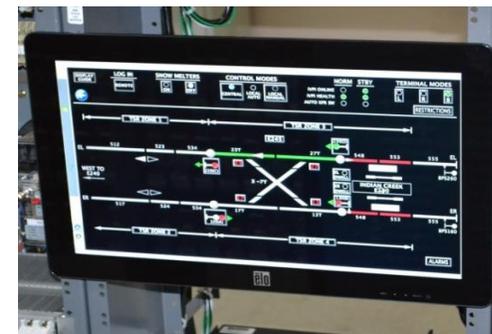
Maintenance Bucket	Estimated Budget	Comments
Bucket 1 <i>Hardware/Software Refresh</i>	\$12.05M	Board approved with Base Contract
Bucket 2 <i>System Administration</i>	\$12.39M	Additional Request
Bucket 3 <i>System Enhancements</i>	<i>Per Project Cost</i>	Additional Request <i>To be funded by respective Capital Programs</i>
Total 5 Year Cost	\$24.44M	

✓ Alstom cost proposal will go through MARTA Internal Audit review for fairness and accuracy



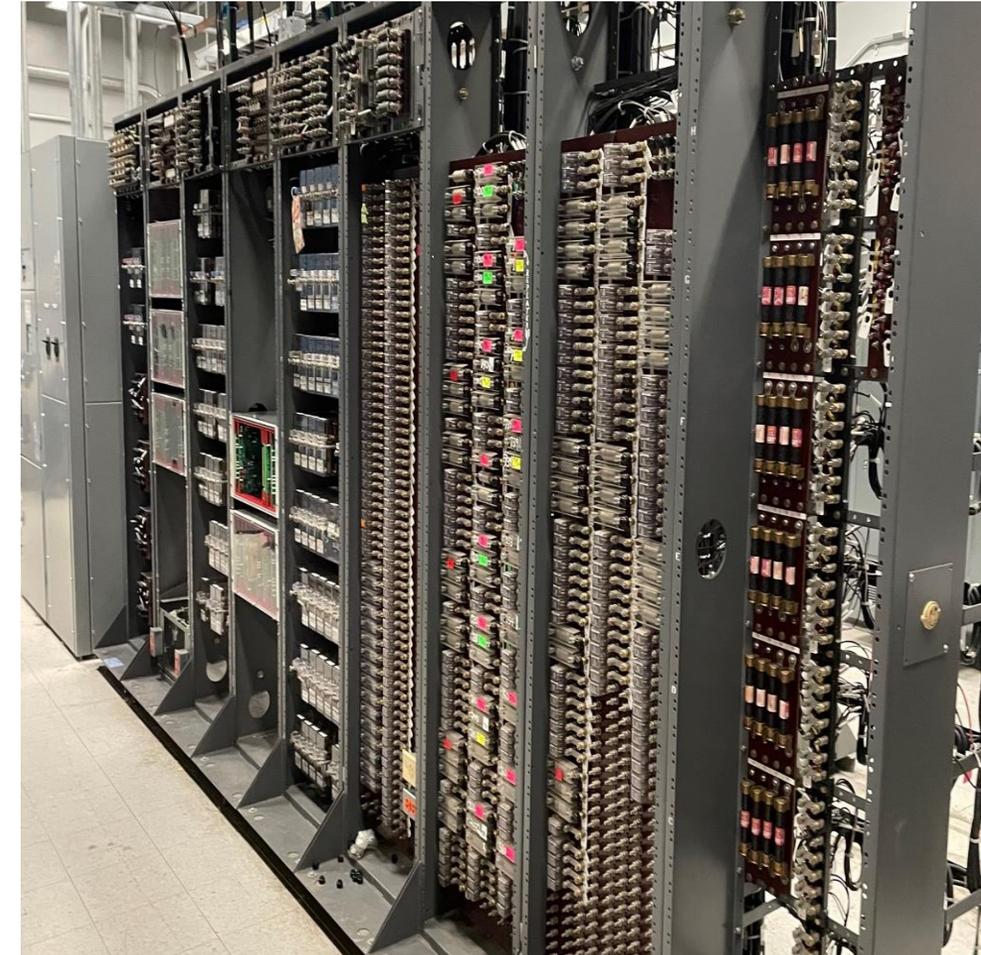
Contract Expenditure Snapshot

Cost Category	Total Value	LTD Spend
Base Contract Value	\$116.98M	\$110.75M
Maintenance Option 1 – 5 Yr. 2024-2029	\$12.05M	\$0
Maintenance Option 2 – Additional 5 years 2030-2034	\$13.86M	\$ TBD
Total Contract Value	\$142.89M	\$110.75M
Contract Contingency	\$14.00M	\$12.94M
Current Board Approved Value	\$156.89M	\$123.69M
Additional Ask for Maintenance Option 1	\$12.39M	\$0
Updated Board Approved Value	\$169.28M	



Resolution Request

The Department of Operations respectfully requests a Resolution for the Modification of Contractual Authorization for P15120 with Alstom Inc. in the amount of \$12,387,000, for a total contract authorization of \$169,278,002.





Thank You





**Resolution Authorizing the
Solicitation of Proposals for the
Procurement of Maintenance of Way
and Operational Support Services,
RFP P50405**

Operations and Safety Committee
September 28, 2023

Daniel Hecht, P.E.
Deputy Chief Mechanical Officer

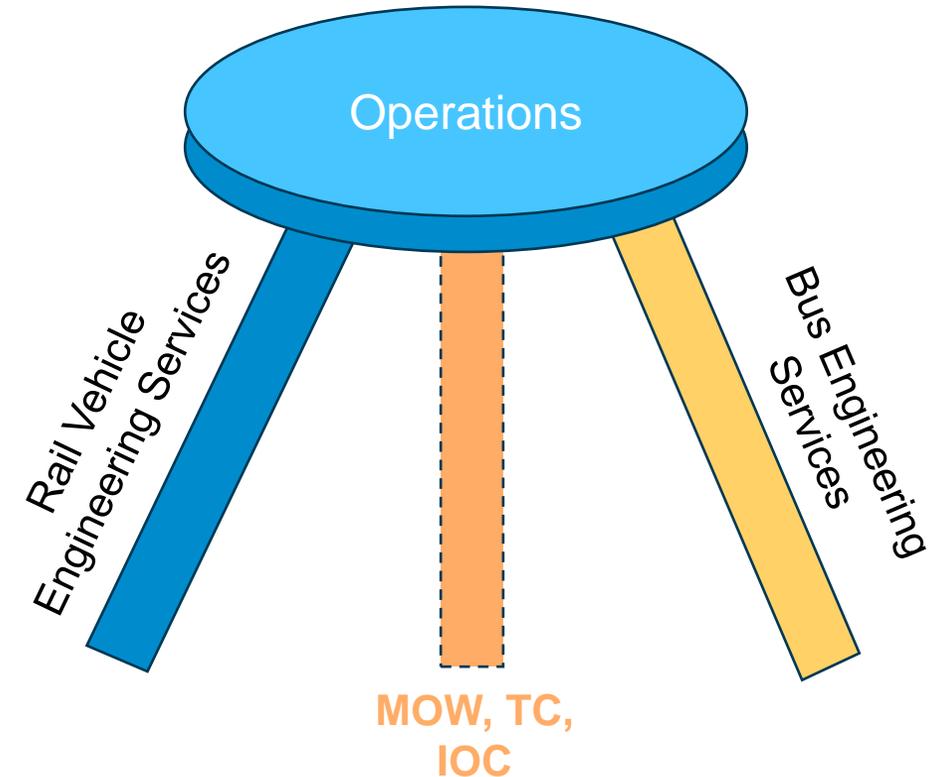


Operations Support Services

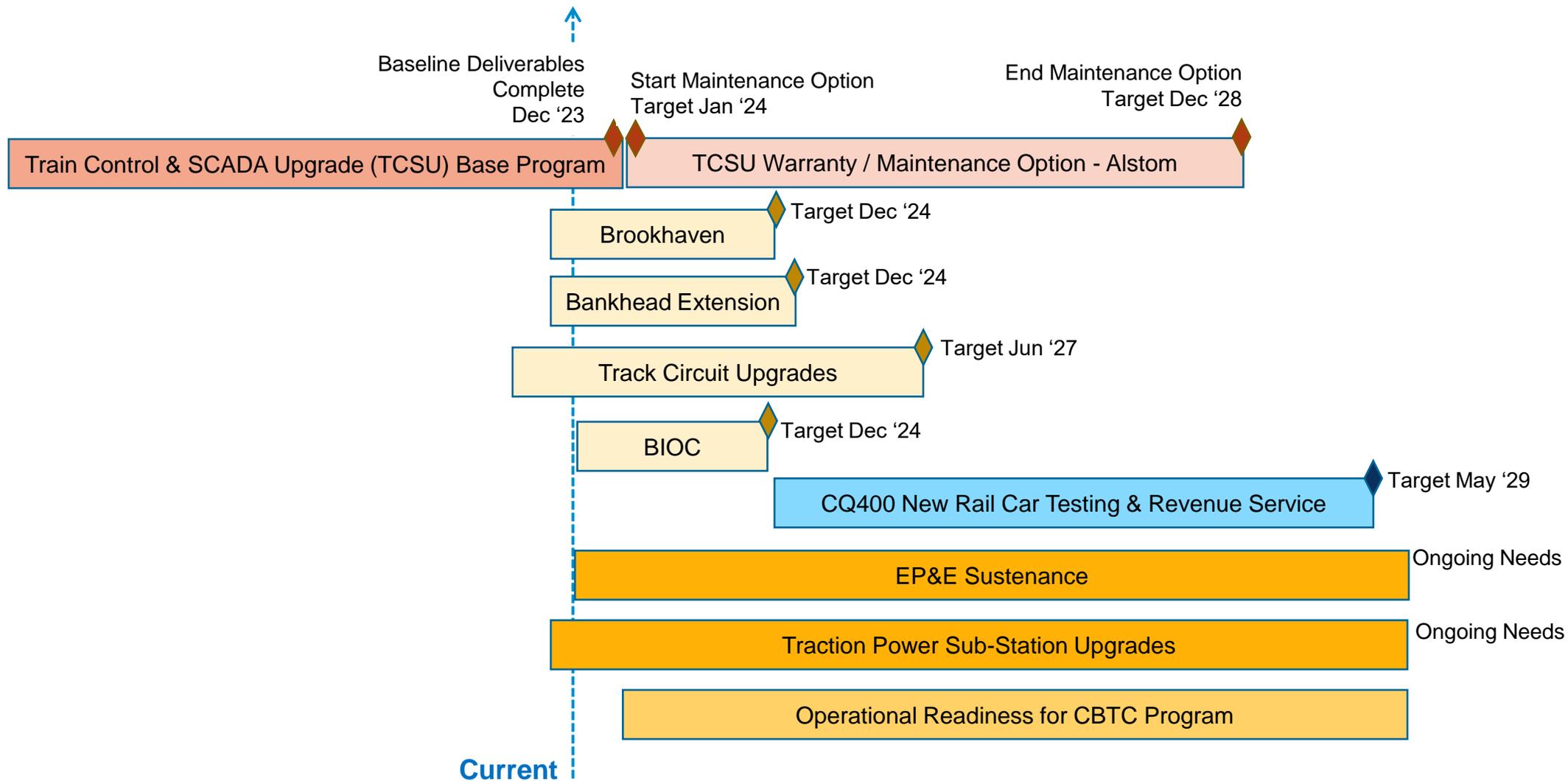
- Several systemwide initiatives to maintain State of Good Repair across our aging infrastructure
- These initiatives ensure MARTA's Operations run efficiently, effectively, and safely
- MARTA's Mechanical Operations Division and Control Centers are primarily dedicated to keep day-to-day operations running

“Stool” to support Operations

1. Rail Vehicle Engineering – **HATCH/LTK**
2. Bus Vehicle Engineering – **STV**
3. Maintenance of Way (MOW), Train Control and Integrated Operations Control - **?**



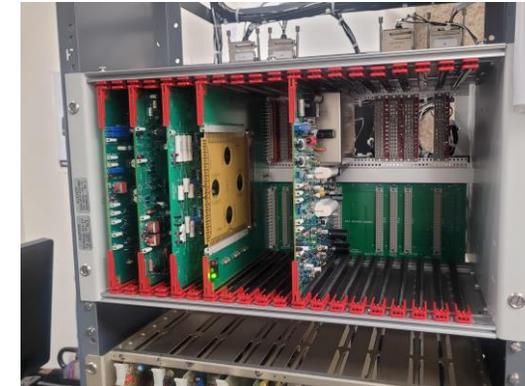
Operational Initiatives Roadmap



Operational Support Services Overview

1. Supplement Operations Control Systems Group

- ✓ Technical support including design review and submittals
- ✓ Testing and quality verification of control systems
- ✓ Subject matter expertise to control systems
- ✓ Development of test plans and procedures



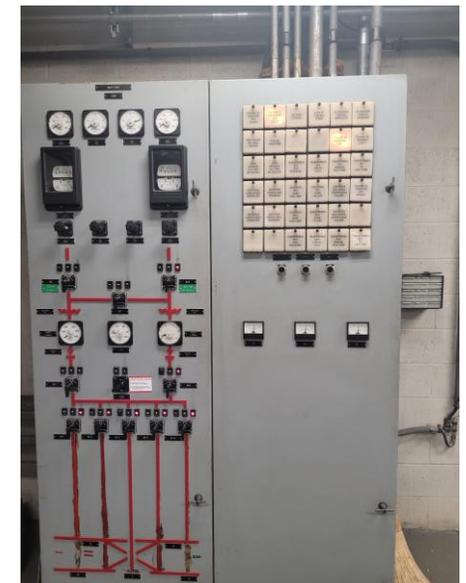
2. Program Management for MOW Initiatives

- ✓ Electric Power and Equipment Enhancement Program
- ✓ Wayside vegetation and safety improvements
- ✓ Track fastener replacement program
- ✓ Mapping of overall track and structures capital improvement
- ✓ Track allocation software implementation and optimization



3. System Enhancements Support

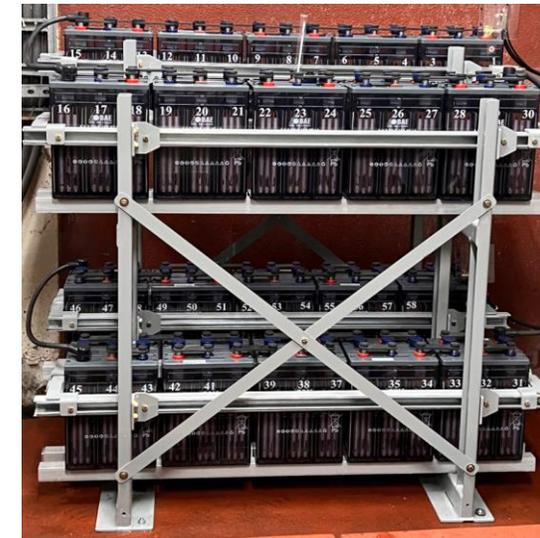
- ✓ Capital program coordination for all large-scale updates
- ✓ Vendor coordination for IOC Systems
 - ✓ CQ400, Brookhaven, Bankhead, CBTC



Estimated Budget

Contract Term	Estimated Budget	Comments
Base Term	\$21.43M	January 2024 – December 2028
Extension Option 1	\$4.29M	January 2029 to December 2029
Extension Option 2	\$4.29M	January 2030 to December 2030
Total 7 Year Cost	\$30.01M	Total Estimated Budget

- Previously done through various Capital support contracts (System Engineering or Infrastructure)
- Work completed on a task order basis
- D&I will be assessing for DBE opportunities during the solicitation process



Resolution Request

The Department of Operations respectfully requests a resolution authorizing solicitation of proposals for Maintenance of Way and Operational Support Services, in the estimated amount of \$30M for a 5-year contract base with two 1-year options





Thank You



DIVISION OF OPERATIONS ORGANIZATION REVIEW

Operations and Safety Committee
September 28, 2023

GEORGE WRIGHT
Chief Operating Officer



OPERATIONS DIVISION, *AT A GLANCE*

Positions: FY24 Authorized - 3,425; Filled - 3,106; Vacant - 319

- 70% of Total Authority Positions
- 35% Female, 65% Male
- 83% Represented
- 17% Non-Represented
- Average Years of Service – 8 Years
- Average Age - 48 Years Old

Budget: FY24 Operating Budget - \$452M

- 71% of Total Authority Operating Budget

OPERATIONS DIVISION, *PEOPLE CENTRIC*

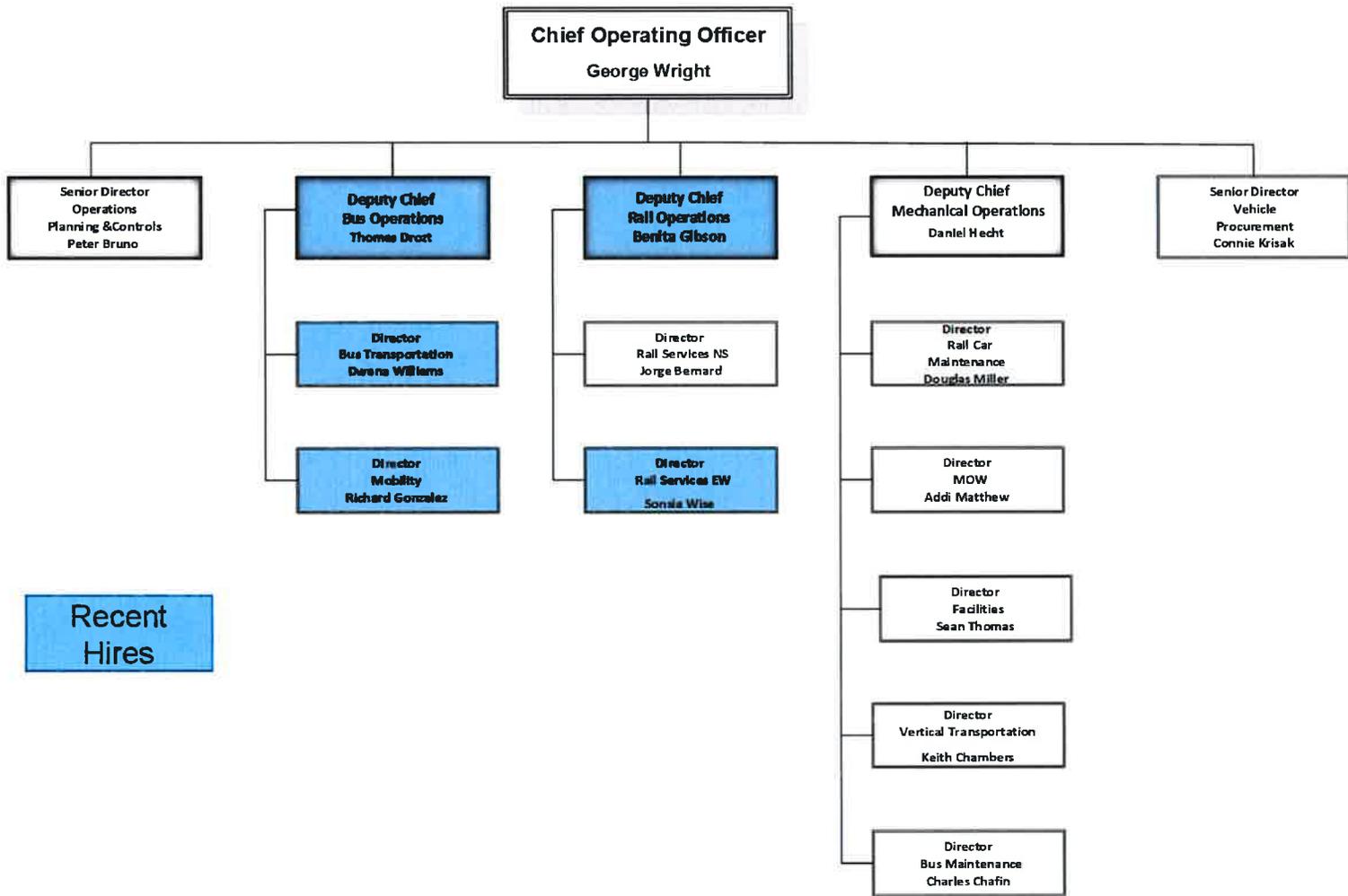
Employee
Resource
Groups
Participation -
224

- MARTA Young Professionals
- Black Excellence at MARTA
- Empowering Women at MARTA
- MARTA Veteran Professionals

Promoting
MARTA's
Brand

- Atlanta Streets Alive – MARTA Electric Bus
- Georgia Tech's PARK(ING) DAY – MARTA Minibus
- Holiday Cheer Events – MARTA Holiday Buses





Recent
Hires





Thank You

