



Design Services for Central Rail Maintenance Facility Modifications for the New Railcars

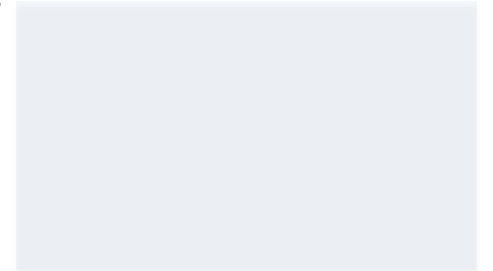
Operational Planning &
Infrastructure Committee

July 9, 2024



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- Unlike the existing fleet, the new Railcars have equipment mounted on top of the car that will need periodic maintenance.
- To support that, the following modifications will be made at CRMF:
 - Add three service balconies (in addition to the one existing pantograph balcony).
 - For each balcony add a 1-ton trolley hoist and elevate the catenary to provide adequate clearance for the rooftop equipment.
 - Provide auxiliary power connections for the top of the cars.

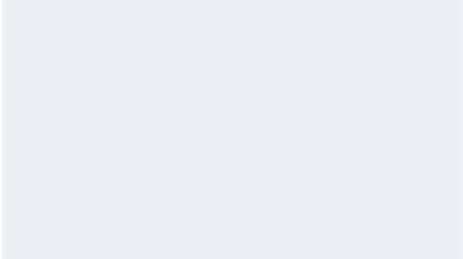
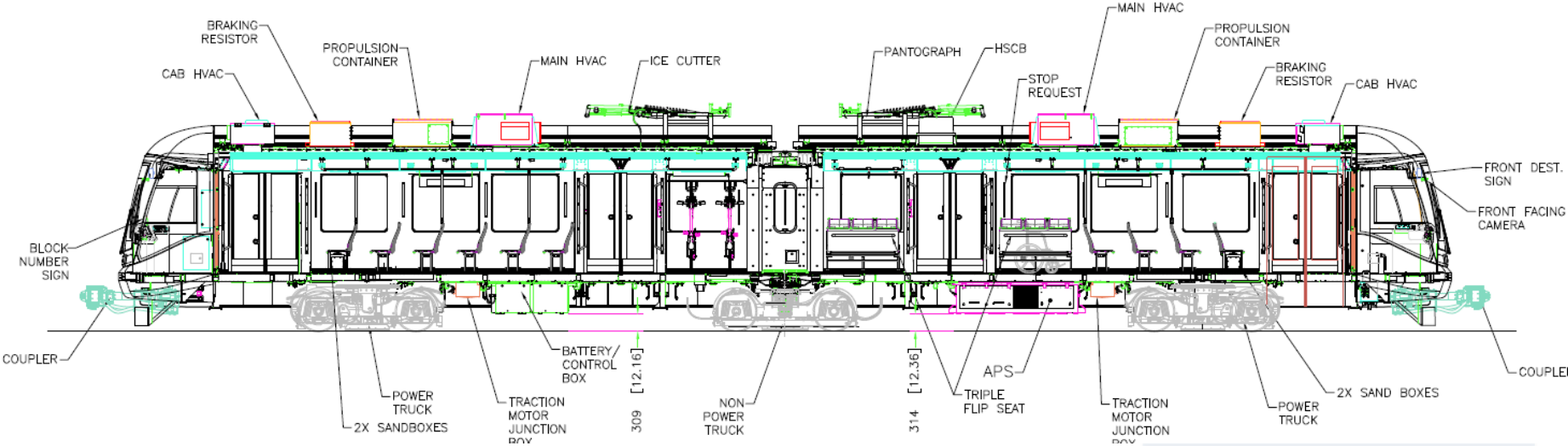


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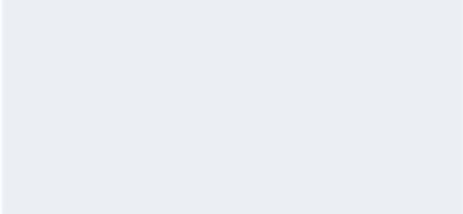
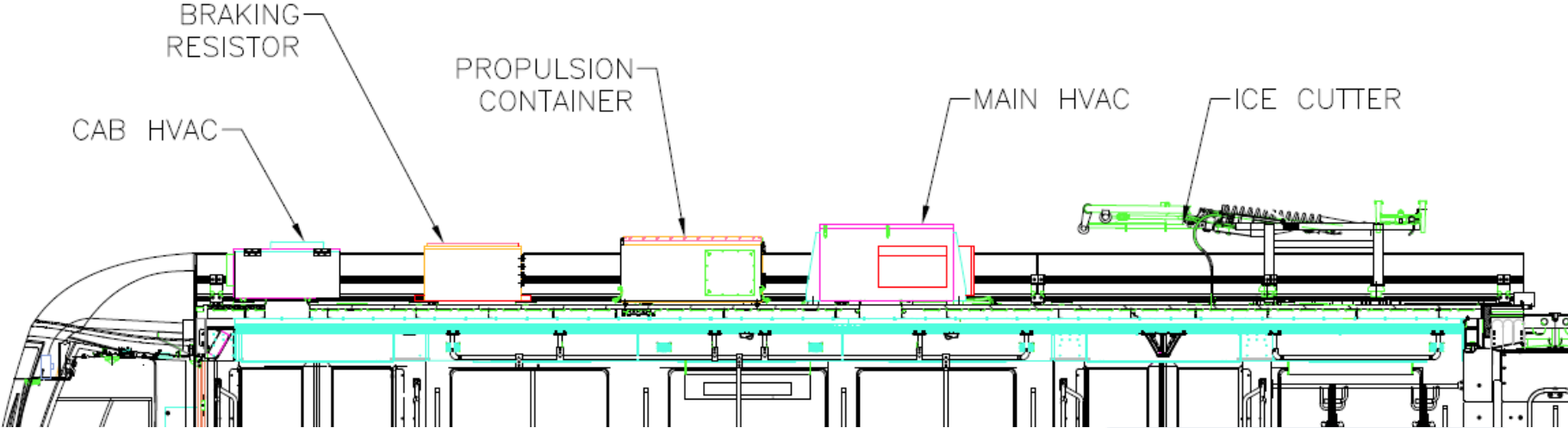
- In addition, the new Railcars have a hydraulic braking system, requiring a isolated environment than normally found in the Rail Shop. Consequently, a separate room with a separate ventilation system will be designed for brake system repairs.
- The new cars also have a shroud around the rooftop equipment. A snow melting system will be designed to address possible accumulations of snow or ice.



New Siemens Railcar



New Siemens Railcar



Design Services for Central Rail Maintenance Facility Modifications for the New Railcars Procurement Overview

- Request for Proposal (RFP) issued April 15, 2024
- Accessed on the GCRTA website by thirteen (13) interested parties
- One (1) firm submitted a proposal
- One (1) firm was interviewed



Design Services for Central Rail Maintenance Facility Modifications for the New Railcars Procurement Overview

Evaluation Panel Members:

- Engineering and Project Development
- Safety Department
- Office of Management and Budget
- Operations
- Office of Business Development
- Procurement



Design Services for Central Rail Maintenance Facility Modifications for the New Railcars Procurement Overview

Evaluation Criteria:

- Project Manager
- Assigned Staff
- Past Performance
- Project Approach
- Location of Majority of Work
- DBE Participation



Design Services for Central Rail Maintenance Facility Modifications for the New Railcars Procurement Overview

Most technically qualified vendor:

- Richard L. Bowen and Associates

A 13% DBE goal was assigned to this project and will be met by utilizing:

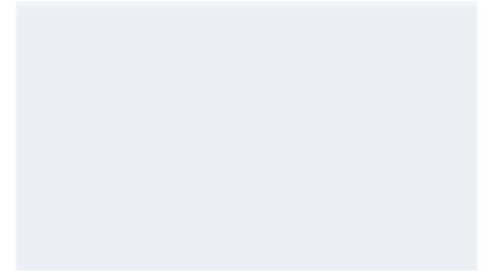
- 2BEngineering LLC
- G. Stephens, Inc.



Design Services for Central Rail Maintenance Facility Modifications for the New Railcars Procurement Overview

Firm Experience:

- Richard L. Bowen and Associates has successfully completed projects for Greater Cleveland RTA, Norfolk Southern Railroad, Amtrak, Central Ohio Transit Authority, and Akron Metro, among others.
- Richard L. Bowen and Associates has qualified and knowledgeable personnel, familiarity with GCRTA, and provide quality deliverables.



Design Services for Central Rail Maintenance Facility Modifications for the New Railcars Procurement Overview

Recommendation:

Staff Requests that the Operational Planning and Infrastructure Committee recommend award to Richard L. Bowen and Associates for Design Services for the Central Rail Maintenance Facility Modifications for the New Railcars. The contract is in a negotiated amount not to exceed \$472,484.95



Questions

