

# **Contract 20P035- Rust Mitigation of Bombardier Light Rail Vehicles**

Business Item 2021-325

Transportation Committee 11/08/2021

Ryan McTeague, Director- Light Rail Vehicle Maintenance

Christopher Royston, Manager- Overhaul and Special Projects

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# Problem Statement

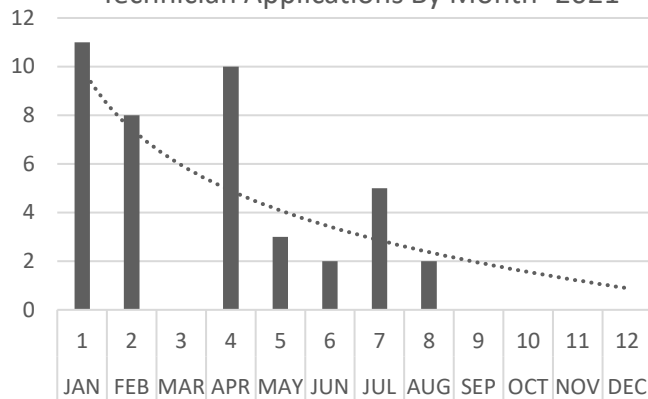
- Corrosion on our Light Rail Vehicle (LRV) fleet
- Effort per LRV increases as time progresses before action is taken
- 70 LRVs need immediate corrosion mitigation
  - 16 Type 1 Bombardier LRVs
  - 54 Type 2 Siemen's LRVs
- Current staffing level is not sufficient to support the required pace of work
- Projected lead-time to acquire additional staff a potential multi-year endeavor based on experience



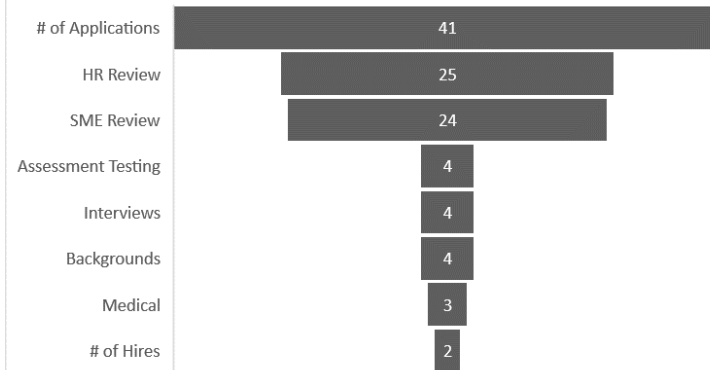
# Problem Statement

- Applications are declining over time
- Challenges in hiring additional staff

Technician Applications By Month- 2021



Successful Candidates by Step



Time at Step	Days (Avg)
App Received	2.5
HR Review	1.0
SME Review	0.6
Testing-Interview	7.9
Test-Intv Pass to Eligible	1.5
Start Background	3.5
Complete Background	15.5
Complete Medical	4.0
Time to Hire	59.0

## Proposed Solution

- Find option to position our team for ongoing success in carrying on rust mitigation as a continual program
- Outsourcing Type 1 rust mitigation will allow our team to work the remainder of our vehicles while effort per LRV remains manageable
- Not taking this action will lead to eventually outsourcing a larger portion of our fleet at a substantially higher cost

# Recommendation

- Execute a contract with RailCarCo Corp. to do the rust mitigation work on the remaining Type 1 LRVs
- RailCarCo Corp has demonstrated their ability to do this work though direct experience with a similar project on Light Rail Vehicles for Tri Met in Portland, Oregon.