



**Massachusetts Bay
Transportation Authority**

Green Line Extension Program Overview

MBTA Board of Directors

January 27, 2022

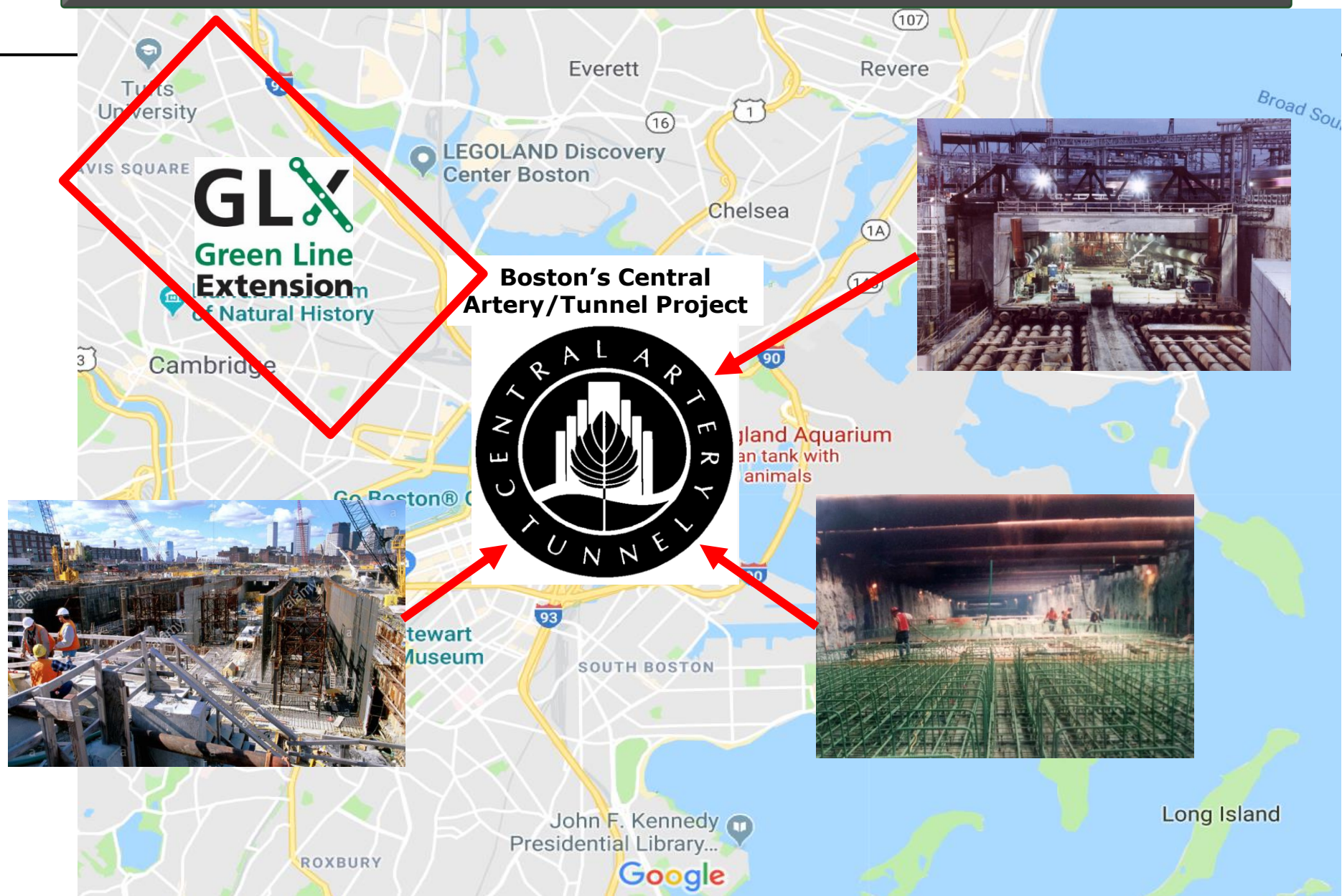
John Dalton, Program Manager

Agenda

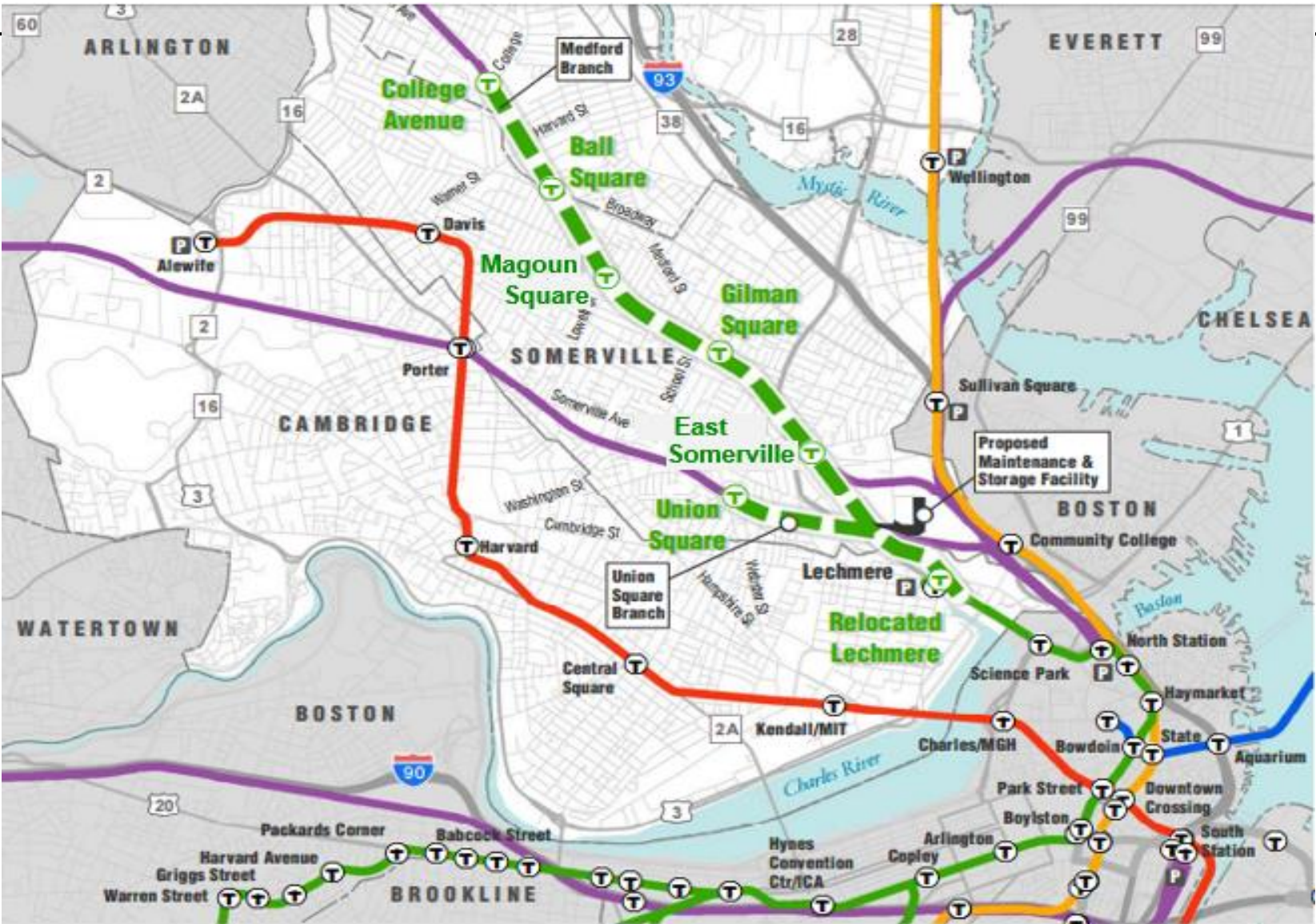
- Program Overview
 - Genesis
 - Benefits
 - History
- Design-Build Procurement Process and Outcomes
- Current Status



Genesis of GLX Project



GLX Project Area



GLX Scope Summary

- **Seven light-rail stations**
 - Relocated Lechmere Station
 - 5 on Medford Branch
 - 1 on Union Square Branch
- **Includes a multiuse community path**
- **Procurement of 24 Green Line light rail vehicles**
- **Vehicle Maintenance Facility (VMF)**
- **Program Budget - \$2.3Bn**
- **All to be in compliance with the FTA GLX Full Funding Grant Agreement (FFGA)**



Project History



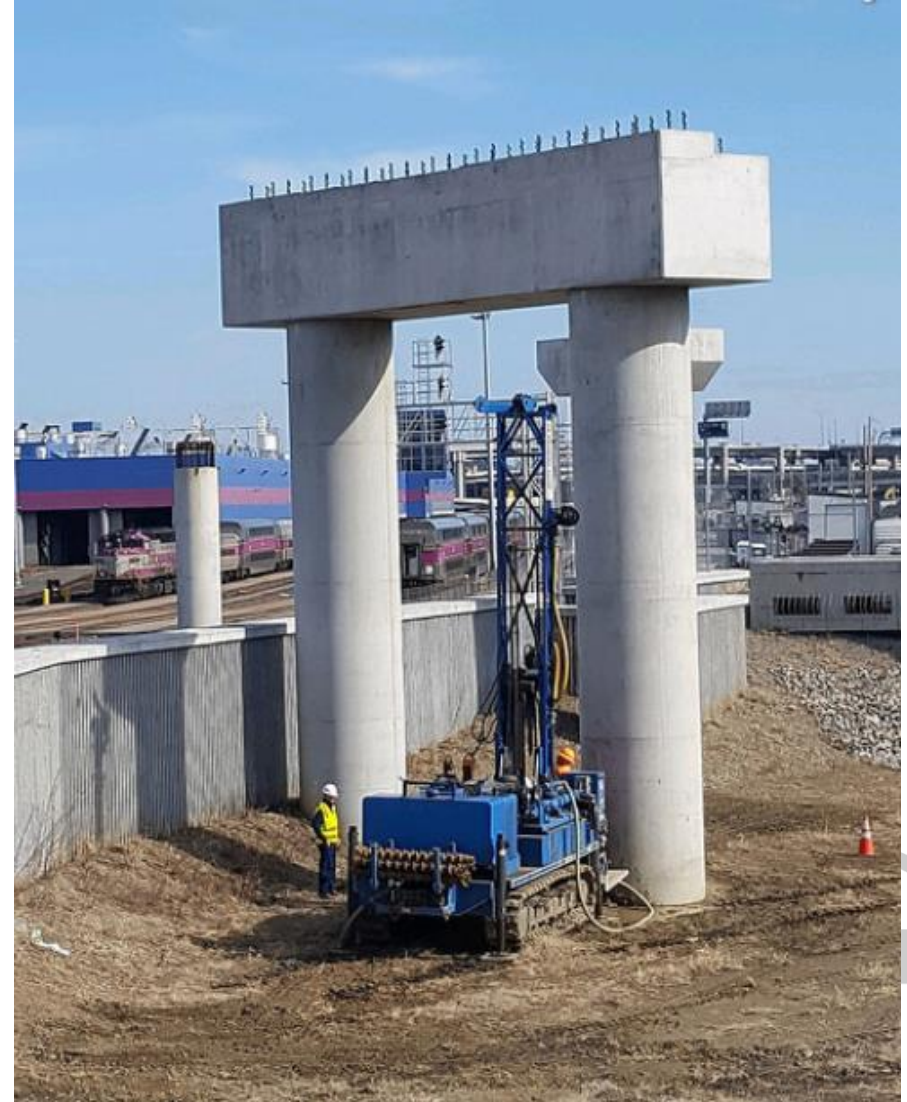
2012-2015 – MBTA undertook a CM/GC delivery method

Dec 2015 – MBTA halted project due to cost-overruns

May 2016 – MBTA Board approved Design-Build Procurement

Mar 2017 – Design-Build procurement process began

December 20, 2017 – “GLX Constructors” received Notice to Proceed



Design-Build Procurement

Process

- March 2017 to November 2017 (9 months)
- Affordability Limit of \$1.3 billion was communicated to competing teams
- One-on-One meetings held separately with each competing team to optimize pre-bid risk sharing
- Additive Options (6 total) were used to maximize scope while controlling cost risk

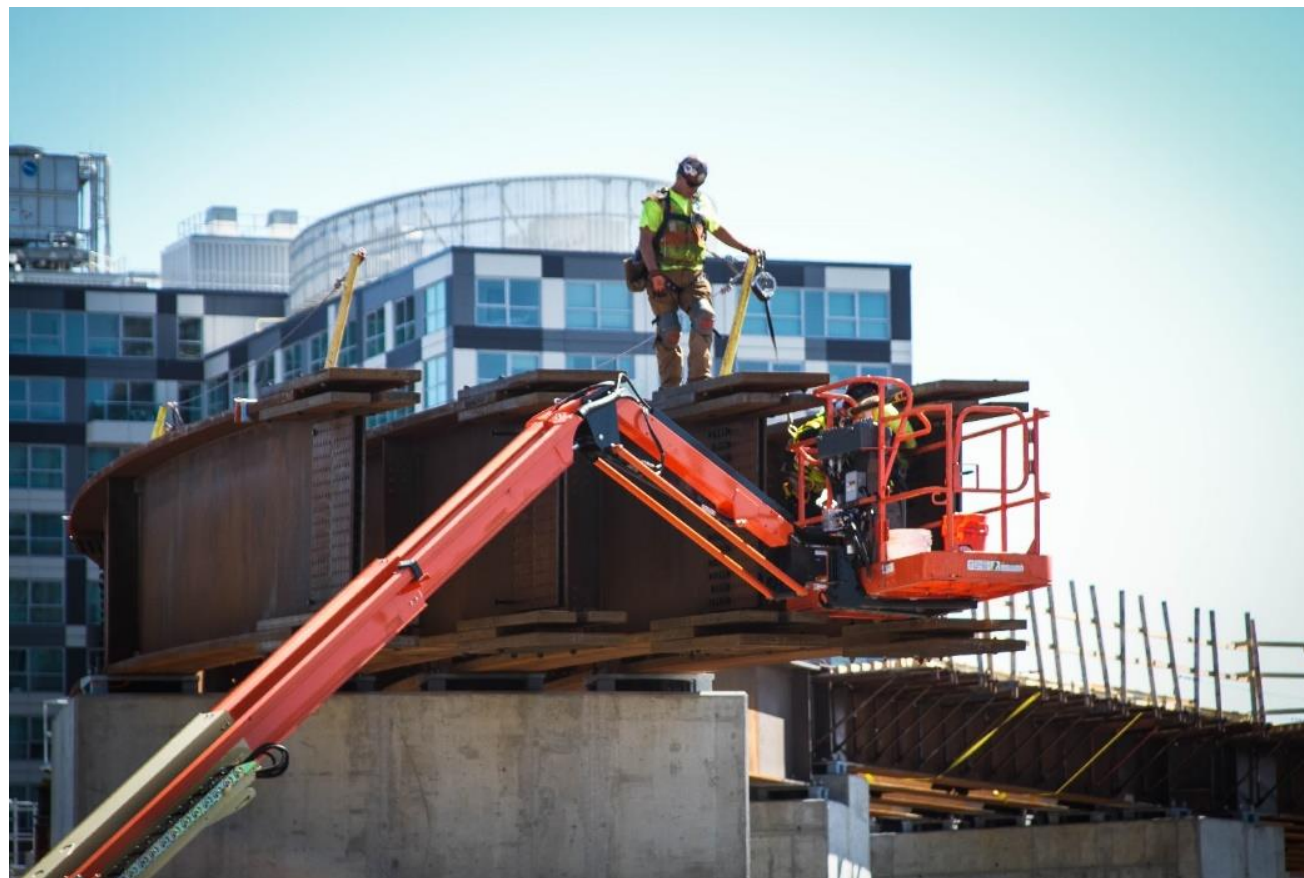
Outcomes

- 3 teams were shortlisted
- 2 teams certified compliance with Affordability Limit
- ‘Best Value’ calculation awarded contract to “GLX Constructors” Joint Venture
- Winning proposal included all 6 Additive Options
- Contract Price was \$1.082 billion



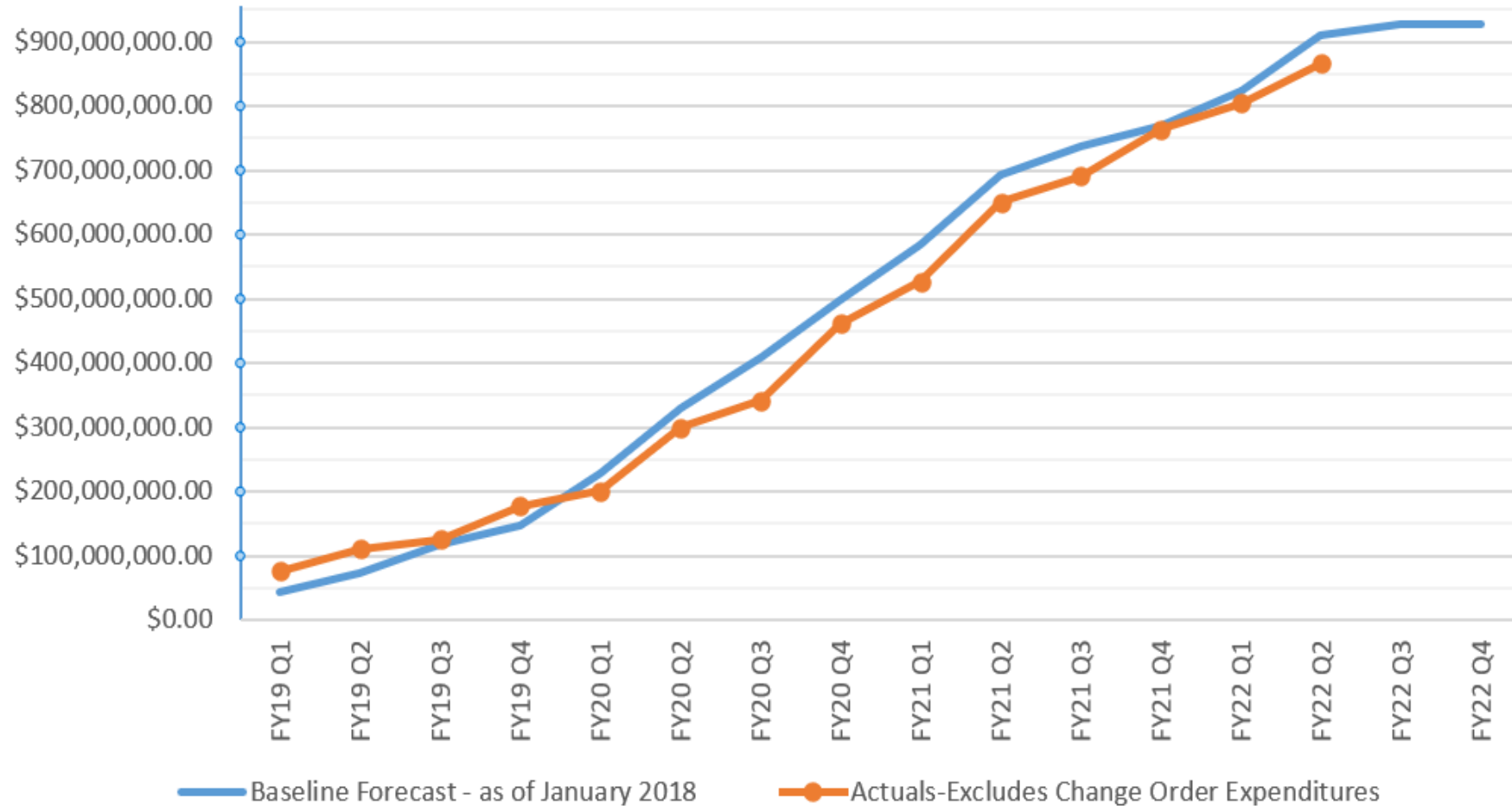
Current Program Status

- Overall project approximately 87% complete
- Design 100% Complete
- Construction nearing completion
- Pre-Revenue Demonstration Testing underway
- Branch 1 Revenue Service scheduled for March 2022
- Branch 2 Revenue Service in the coming months (schedule under review)
- Program trending under budget with adequate contingency funds still available



Cost vs Schedule Summary

DB Entity Contract Cash Flow Performance



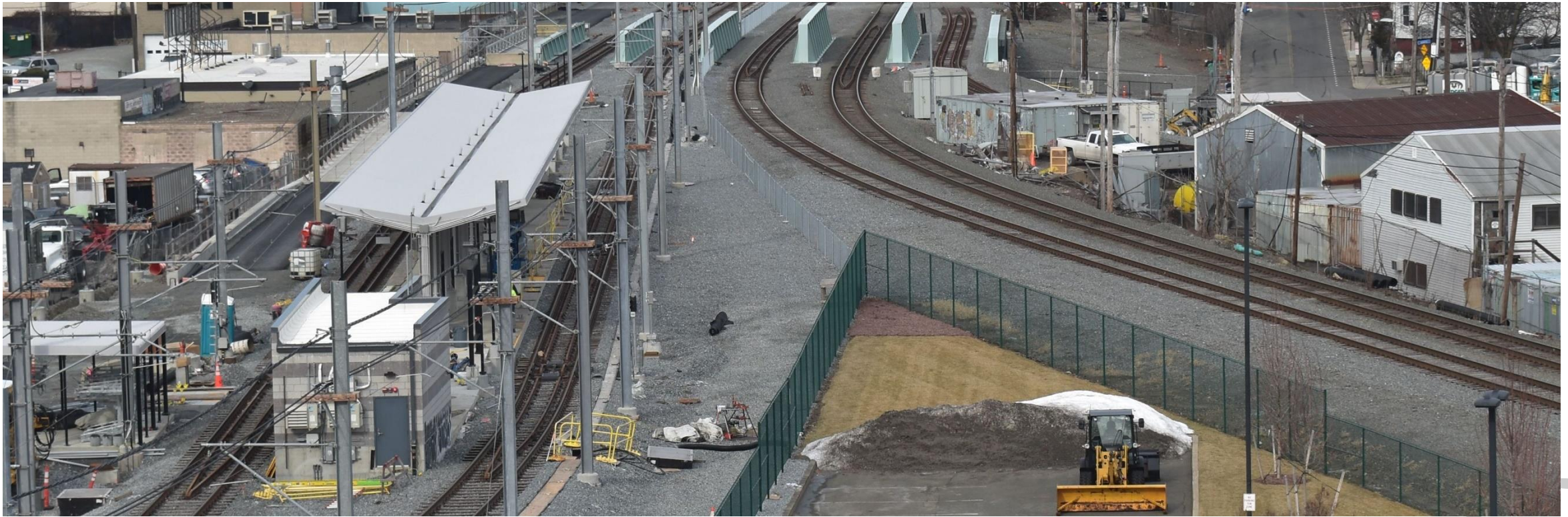
Progress Photos



Site of Future East Somerville Station – February 2020



Progress Photos



Site of Future East Somerville Station – January 2022



Progress Photos



GLX Viaduct Interchange – June 2019

Draft for Discussion & Policy Purposes Only

Progress Photos



GLX Viaduct Interchange – January 2022



Progress Photos



Vehicle Maintenance Facility – March 2019



Progress Photos



Vehicle Maintenance Facility – January 2022





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