



**Massachusetts Bay
Transportation Authority**

Green Line Extension Update

Fiscal and Management Control Board

June 21, 2021

John Dalton, Program Manager

Agenda

- Project Status and Risks
- Progress Photos
- Program Commercial Position
- Potential Board Action



Project Status

- Progress Metrics

- GLX is approximately 80% complete
- 65% of new Green Line track installed (100% complete on Branch 1 and Vehicle Maintenance Facility)
- 10 of 10 elevator towers erected
- 588 of 603 Overhead Catenary Poles erected
- Handover of Vehicle Maintenance Facility scheduled for next month
- System Testing and Commissioning effort underway

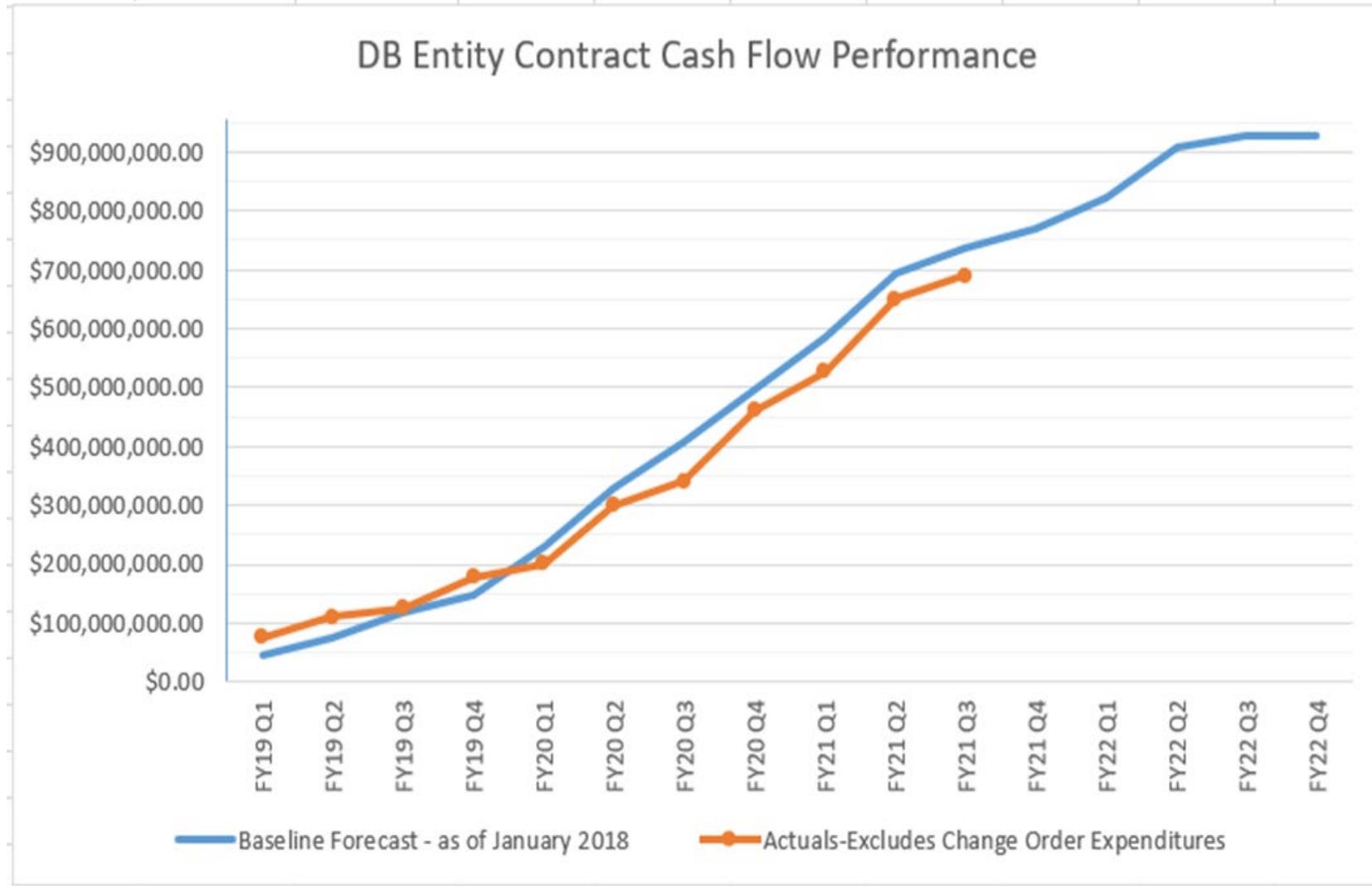


Project Risks

- COVID-19
 - Supply chain impacts (residual and existing)
 - Work productivity and inefficiencies during GLX's most critical year (on-site and off-site)
- Contractor/Subcontractor Labor Deployment
- Testing & Commissioning
 - Interface with the existing/legacy Green Line systems and testing/commissioning of new GLX elements



Overall Progress for the *DB Contract Only*



Project Status – Photos (Before and After)



Project Status – Photos (Before and After)



Future Site of East Somerville Station – June 2021

Project Status – Photos (Before and After)



Future Site of Lechmere elevated Station – August 2019

Project Status – Photos (Before and After)



Future Site of Lechmere elevated Station – June 2021

Project Status – Photos (Before and After)



Project Status – Photos (Before and After)



Project Status - Photos



Aerial View – Red Bridge Viaduct – April 2021



Project Status - Photos



Project Status - Photos



Aerial View – Red Bridge Viaduct – May 2021



Project Status – Photos (Before and After)



Future Site of GLX Vehicle Maintenance Facility – March 2019

Project Status – Photos (Before and After)



Future Site of GLX Vehicle Maintenance Facility – June 2021

GLX Overall Commercial Position

- Program is in a solid financial position (adequate contingency)
- Schedule pressure remains
- COVID impacts (past and future)
- +130 Potential Change Orders or other commercial issues are open
- Potential for future Differing Site Conditions (DSC's) remain
- Costly Dispute Resolution and Litigation Risk remains
- 80% of project complete with critical 20% remaining



GLX Global Settlement with Design-Build Entity

- Juncture allows for wrapping up existing commercial issues and getting ahead of future potential close-out commercial matters
 - Existing commercial issues
 - +130 Potential Change Orders and other Commercial Issues (including COVID-19)
 - Future Issues/Disputes
 - COVID-19, weather impacts, future impacts
 - Potential litigation for pandemic impacts – potential total cost claim
 - Risk Transfer from MBTA to DB Entity
- Account for cost impacts stemming from time extension



GLX Global Settlement with Design-Build Entity

- Settlement includes
 - Significant reduction of future litigation risk (COVID-19 and otherwise)
 - Updated Revenue Service Dates
 - Branch 1 (Union Square Branch) – December 2021;
 - Branch 2 (Medford Branch) – May 2022
 - Close-out of all COVID-19 impacts (costs and schedule)
 - Direct Costs (sanitization, stand downs, additional PPE, etc.)
 - Indirect Costs (construction and fabrication productivity impacts)
 - Extended Overhead costs
 - Close-out of Existing Change Orders/Disputes on the project
 - Risk Transfer from MBTA to DB Entity for potential future impacts
 - Obligatory Contractor/Subcontractor Staff deployment commitments
 - Performance Payments
 - Settlement Value is a Not-to-Exceed amount of \$80M.



Request of the Board

To authorize the General Manager to execute, in the name of and on behalf of the Massachusetts Bay Transportation Authority, and in a form approved by the General Counsel, a settlement agreement and any ancillary documents, including a change order to MBTA Contract No. E22CN07, with GLX Constructors, a Joint Venture, in a sum certain not to exceed \$80,000,000.00.

