



**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

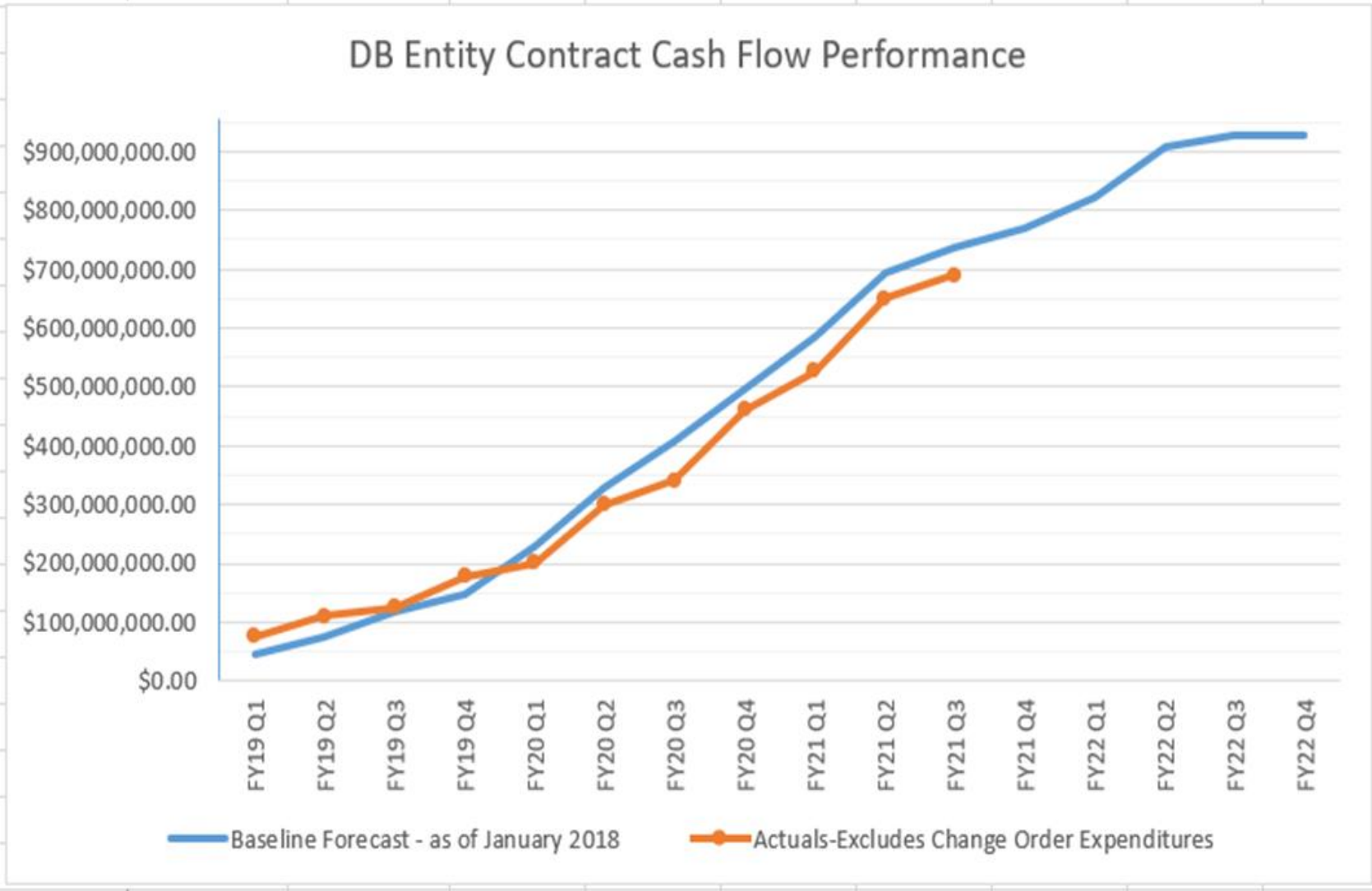


Project Risks

- COVID-19
 - Supply chain impacts (residual and existing)
 - Work productivity and inefficiencies during GLX's most critical year (on-site and off-site)
 - Overseas Engineering / professional service work impacted
- 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)



Future Site of East Somerville Station – June 2019

Draft for Discussion & Policy Purposes Only

Project Status – Photos (Before and After)



Future Site of East Somerville Station – June 2021

Draft for Discussion & Policy Purposes Only

Project Status – Photos (Before and After)



Future Site of Lechmere elevated Station – August 2019

Draft for Discussion & Policy Purposes Only

Project Status – Photos (Before and After)



Future Site of Lechmere elevated Station – June 2021

Draft for Discussion & Policy Purposes Only

Project Status – Photos (Before and After)



Future Site Red Bridge Viaduct – August 2019

Draft for Discussion & Policy Purposes Only

Project Status – Photos (Before and After)



Future Site Red Bridge Viaduct – June 2021

Draft for Discussion & Policy Purposes Only

Project Status - Photos



Aerial View – Red Bridge Viaduct – April 2021

Draft for Discussion & Policy Purposes Only



Project Status - Photos



Aerial View – Red Bridge Viaduct – April 2021

Draft for Discussion & Policy Purposes Only



Project Status - Photos



Aerial View – Red Bridge Viaduct – May 2021

Draft for Discussion & Policy Purposes Only



Project Status – Photos (Before and After)



Future Site of GLX Vehicle Maintenance Facility – March 2019

Draft for Discussion & Policy Purposes Only

Project Status – Photos (Before and After)



Future Site of GLX Vehicle Maintenance Facility – June 2021

Draft for Discussion & Policy Purposes Only

GLX Overall Commercial Position

- Program is in a solid financial position (adequate contingency)
- Schedule pressure remains
- COVID risk (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, Differing Site Conditions, weather impacts
 - Potential litigation for pandemic impacts – potential total cost claim
 - Risk Transfer from MBTA to DB Entity
- Existing Commercial Impacts result in time extension and associated cost impacts



GLX Global Settlement with Design-Build Entity

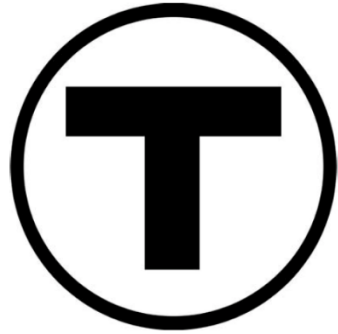
- Settlement includes
 - Significant reduction of future litigation risk (COVID-19 and otherwise)
 - Updated Revenue Service Dates
 - Branch 1 (Union Square Branch) – December 2021
 - Branch 2 (Medford Branch) – May 2022
 - Close-out of all COVID-19 impacts (costs and schedule)
 - Direct Costs (sanitization, 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 (weather, differing site conditions, etc.)
 - Obligatory Contractor/Subcontractor Staff deployment commitments
 - Settlement Value is a Not-to-Exceed amount of \$80M.



Request of the Board

- Approve and authorize the General Manager to execute a settlement agreement and change order that will increase the MBTA Contract No. E22CN07 with GLX Constructors, a Joint Venture, in the amount of \$80,000,000.00.





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