



GREEN LINE EXTENSION PROJECT



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GLX Community Working Group
Meeting #42
May 4, 2021

Agenda

- **Welcome**
- **Safety Moment**
- **Project Status**
- **GLX / US2 Interface**
- **Construction Update / Virtual Tour**
- **Testing & Commissioning**
- **Q & A**





Safety Moment



2. Safety Moment

MBTA Meeting Evacuation Plan

- Review closes exit and secondary exit
- Location of nearest AED and show of hands who is CPR Trained
- Remind people do not use the elevators
- Assign or ask for a volunteer to call 911
- Assign or ask for a volunteer to make a count of attendees
- Assist physically impaired individuals to a secure area and notify emergency responders.
- Assign a designated muster point a significant distance from the building
- Stay away from the building until it is safe to return



Project Status

- 73% complete (earned value)
- More than 3.5 million hours worked
- 1.1 miles of rail viaduct complete
- 43% of new track placed (100% Union to Lechmere)
- All 7 stations well underway
- Corridor widening 95% complete





GLX / US2 Interface

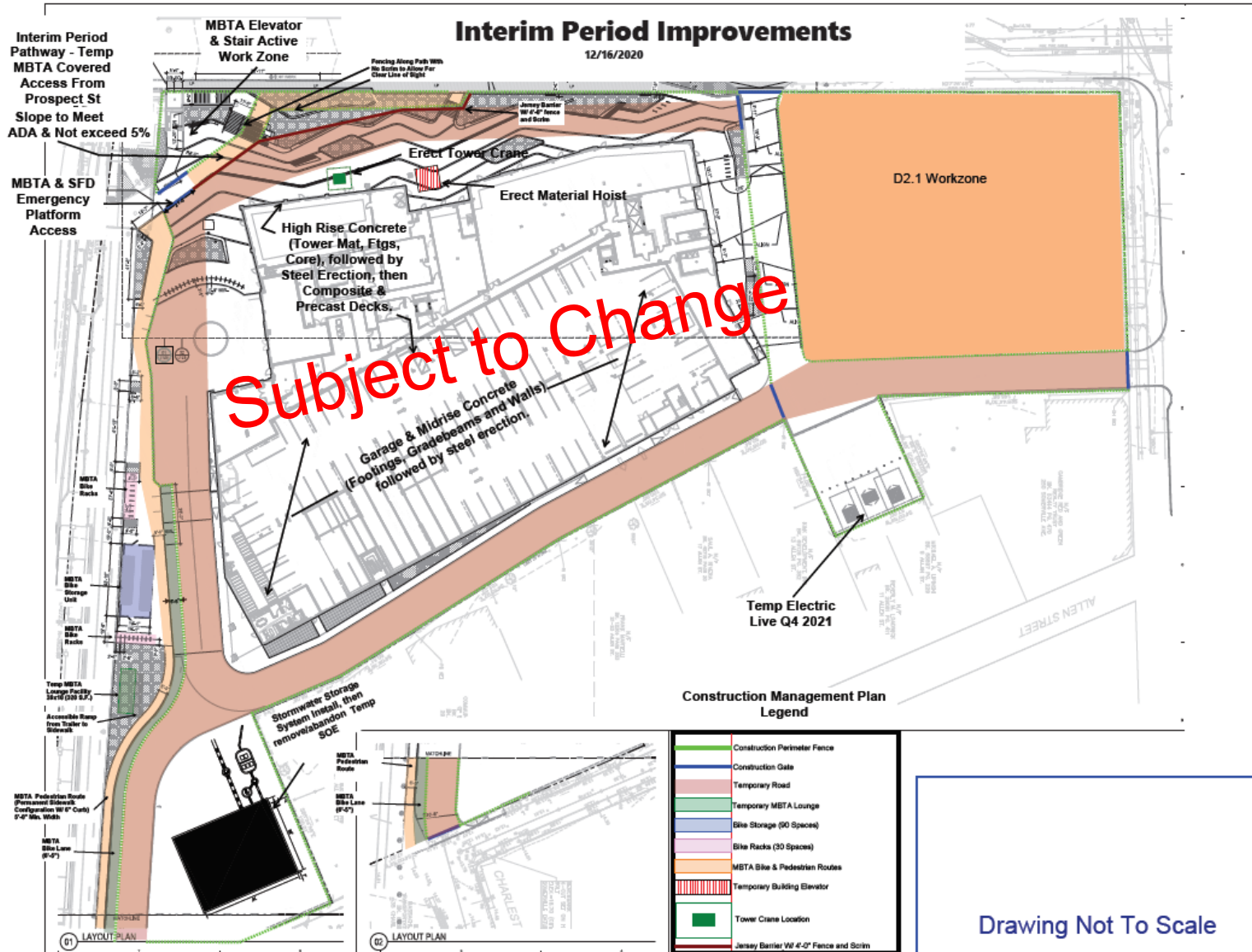


US2 End-State Visualization



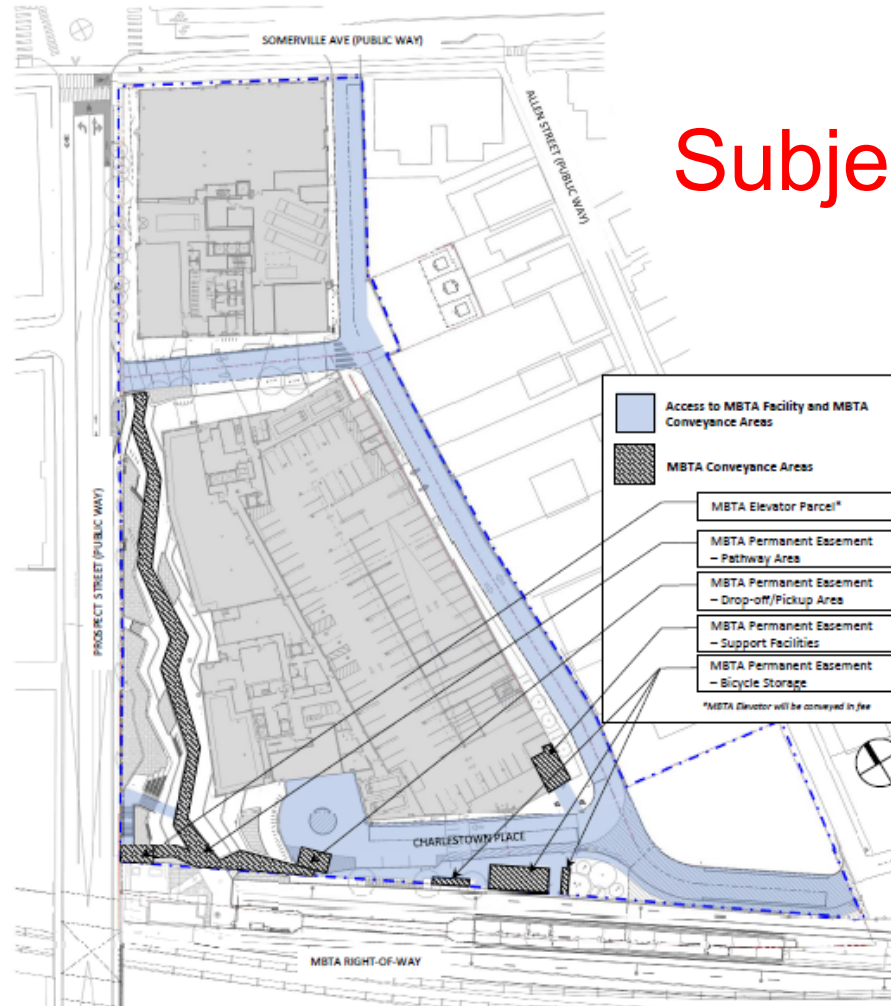
Subject to
Change

US2 Interim Period Improvements



US2 Interim Period Improvements (cont)

EXHIBIT B
Plan Showing MBTA Conveyance Areas and Private
Ways and Pedestrian Pathways



Subject to Change



Construction Update / Virtual Tour



Lechmere Station



Lechmere platform – April 29, 2021



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Lechmere Station (2)



Lechmere platform – April 29, 2021



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Lechmere Station (3)



Lechmere Station Art – April 29, 2021



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Union Square Station



Union Square platform – April 29, 2021



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Red Bridge Area



Red Bridge Viaduct Area – April 29, 2021



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Red Bridge Traction Power Substation (TPSS)



Red Bridge TPSS – April 2021



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Community Path



Community Path Extension – April 2021



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Vehicle Maintenance Facility (VMF)



VMF Exterior – April 28, 2021



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Vehicle Maintenance Facility



VMF Interior – April 2021



Vehicle Maintenance Facility (cont)



VMF Rail Yard – April 2021

Transportation Building



East Somerville Station



East Somerville platform – April 29, 2021



Sub-Grading Washington St. to Gilman Square



Looking north toward Walnut Street Bridge – April 29, 2021



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Medford Street Bridge



Beneath Medford Street Bridge facing north toward Gilman Station – April 29, 2021



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Gilman Square Station



Gilman Square Station Platform and Traction Power Substation – April 2021



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School Street Bridge



School Street Bridge Deck facing north – April 2021



Track North of Gilman Square



GLX tracks facing north toward Sycamore St. – April 2021



Magoun Square Station



Magoun Square platform facing south – April 2021



Magoun Square Station (cont)



Magoun Square elevator tower placement – April 2021



Ball Square Station



Ball Square platform and Traction Power Substation— April 29, 2021



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Ball Square Station (cont)



Ball Square platform and Traction Power Substation facing north – April 2021



Ball Square Station (3)



Ball Square platform facing north – April 2021



Medford/Tufts Station



Medford Tufts platform facing south toward College Ave – April 2021



Track Installation



GLX track north of Ball Square (facing north) – April 2021



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Testing & Commissioning

The Road to Revenue Service



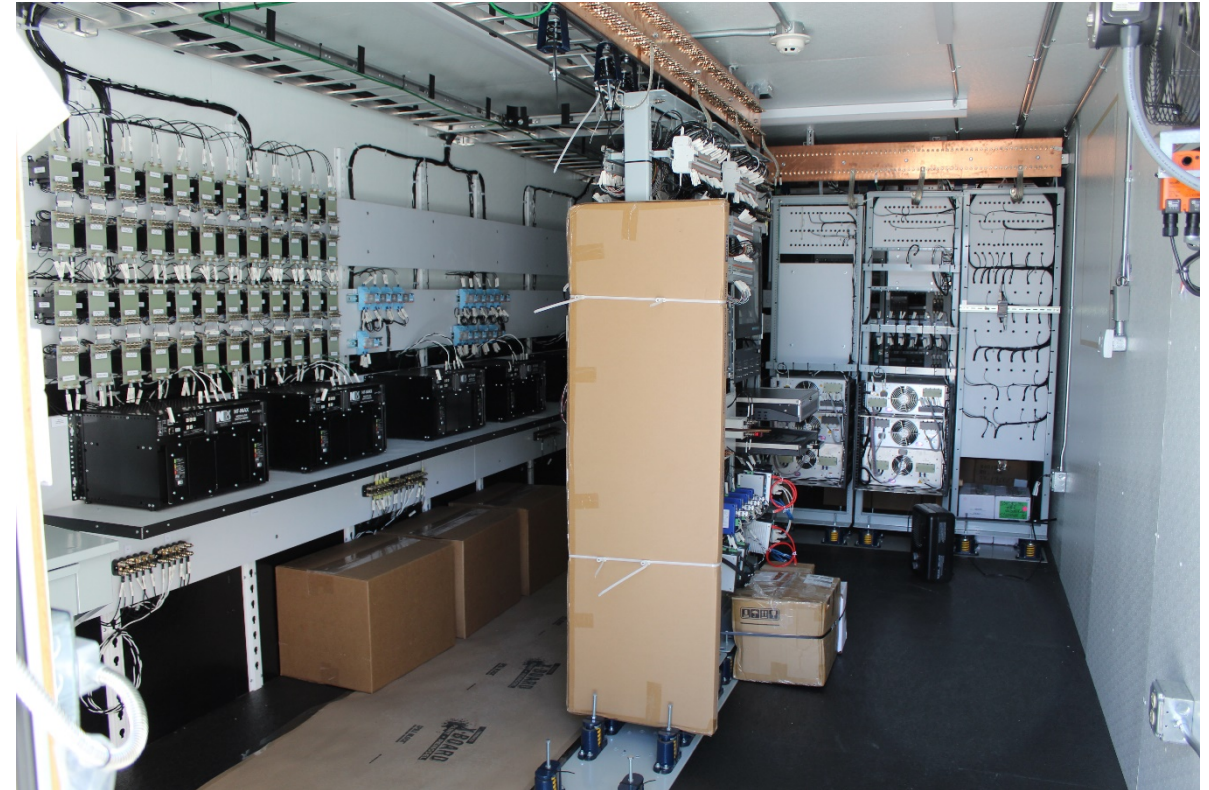
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Signal & Communications Testing

- 5 of 9 Central Instrument Houses (CIHs) have been installed with remaining 4 scheduled by end of May



Testing & Commissioning – FAT Testing

Factory Acceptance Testing (FAT)

- Began more than a year ago
- Test engineers travel to factory settings throughout the country
- Process was conducted on all major components before shipping to GLX took place



Testing and Commissioning - LFAT

Local Field Acceptance (LFAT)

- LFAT test began approximately one year ago
- This testing occurs when a piece of equipment arrives at GLX
- The equipment is unpacked for shipping and checked for damage.
- If damaged, product is returned to the factory
- If not damaged, it is tested to mimic the Factory Acceptance Testing that occurred at the Factory



Testing & Commissioning – SIT 1

System Integration Testing 1 (SIT Phase One)

- This phase began in the last few months
- Conducted by GLX-C with MBTA Operation Personnel observing and training on equipment use.
- Equipment that has passed FAT & LFAT is installed
- The equipment is tested to ensure it can communicate with other components. *(e.g., Is Track Signaling Equipment communicating with the Track Switches?)*



Testing & Commissioning – SIT 2

System Integration Testing 2 (SIT Phase 2)

- This testing is primarily the responsibility of the MBTA with direct support from GLX-C
- Testing cannot begin until track, catenary, signals, communication, and power from the Traction Power Substation (TPSS) are online.
- Testing is conducted with 6 Light Rail Vehicles (LRVs) to ensure proper operational functions of the newly installed infrastructure.
- Any issues that require calibration and adjustments are conducted in this phase.



Pre-Revenue Demonstration Testing

This phase begins when SIT 2 is completed

- MBTA Green Line Trolleys will stop at North Station and Disembark its Passengers
- The Trolley will continue on, empty of passengers, and will proceed across the East Cambridge Viaduct into the GLX Project System
- The Trolley will mimic the movements of full revenue service
- They will stop at station and continually test the responsiveness of the newly constructed infrastructure assets of the GLX Project



GLX Project Community Connection Team

- Food & Toiletries Drive for Project Soup
- March 3 – April 1
- 335 lbs. of food collected
- 965 personal care products donated



The GLX Community Connections Team

Project Soup

Spring Food & Toiletries Drive

Deadline: April 1, 2021 @ 9 am



MAKE A DONATION & WE'LL SHOP FOR YOU, PLEASE SEE MARY GRACE

HELP END HUNGER IN SOMERVILLE

Project SOUP, founded in 1969, is a food pantry and soup kitchen located in East Somerville. Their mission is to provide healthy, wholesome groceries and meals as a means of ending food insecurity in Somerville

Desired items:

| | |
|-------------------|--------|
| Toothpaste | Coffee |
| Shampoo | Oil |
| Soap | Dried |
| Toilet Paper | Tea |
| Diapers | Pasta |
| Deodorant | Flour |
| Toothbrushes | Sugar |
| Laundry Detergent | Masa |

***BRING UNEXPIRED
NON- PERISHABLE ITEMS ***

DROP OFF LOCATIONS:
200 Inner Belt – Alanna's area
35 Charlestown – Mary Grace's area



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Q & A

