



GREEN LINE EXTENSION PROJECT



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GLX Community Working Group
Monthly Meeting
July 9, 2019

Agenda

- **Welcome & Introduction**
- **Safety Moment**
 - Dianna Yates-Souza – GLX-MBTA Program Safety Manager
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- **Public Meeting & Upcoming Events**
 - Terry McCarthy, GLX -- MBTA
- **Extended Construction Update**
 - John West, GLXC
- **Presentation – Lechemere Bus Bridge May 2020**
 - Jeff Santacruce, GLX – MBTA Traffic Engineer



Safety Topics

Heat Stress in the Workplace

Heat stress includes a series of conditions where the body is under stress from overheating. Heat-related illnesses include heat cramps, heat exhaustion, heat rash, or heat stroke, each with its own symptoms and treatments. Symptoms can range from profuse sweating to dizziness, cessation of sweating, and collapse.



Outreach

- Ball Square Night Market



Speaker Name

GLX-C Construction Update

John West



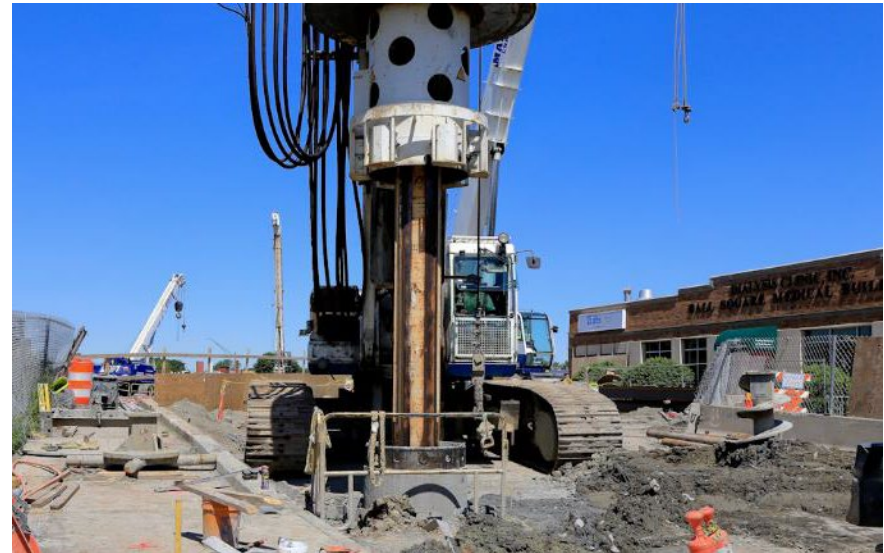
- Heat stress awareness & staying well hydrated a priority for the field team



Construction Update

Broadway Bridge

- *Support of Excavation (SOE) work continues. This work stabilizes embankments and is temporary in nature. Once H-piles & wood lagging in place excavation can begin on the new abutments.*
- *East side SOE 90 percent complete (22 shafts to be installed). Granite encountered in several shafts slowing progress.*
- *West side SOE complete (21 shafts installed)*



Construction Update

Washington St. Bridge

- *New north and south abutments have been poured*
- *Drainage work continues*



Construction Update

Vehicle Maintenance Facility

- *Pile driving for building foundation to start week of July 8*
- *270 piles will be driven in next 5 weeks*



Construction Update



Medford St. Bridge

- Somerville HS construction from bridge complete
- GLX work on west abutment to start Aug. 7. Construction will include adding an additional abutment behind the existing west abutment to accommodate one set of Green Line tracks
- Bridge to reopen in Spring 2020



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Construction Update

School St. Bridge Closure

- *School St. Bridge to close early 2020*
- *Construction will include adding an additional abutment behind the existing west abutment to accommodate one set of Green Line tracks*



Construction Update

School St. Bridge

- *Sewer siphon placement*



Construction Update

Near Somerville Department of Public Works

- *Sewer siphon placement at Charles E. Ryan Rd. and Murdock St.*



Construction Update

Lechmere Area

- One drilling crew will begin to mobilize later this month near the existing viaduct and Glass Factory Condominiums & AVA/Avalon Apartments and start working their way toward Water St.
- A 2nd crew is working their way from BET toward Water St.



Construction Update

Boston Engine Terminal (BET) Area

- *Viaduct work continues with frequent night and weekend work*
- *Concrete pour of pier caps for planned weekend of July 13*



Construction Update

Brickbottom Area

- *Work along this part of the Fitchburg line includes viaduct construction, utility relocations and wall construction*



Construction Update

Noise & Retaining Walls

Between McGrath Hwy – Walnut St.

- *Noise Wall N-6 awaiting panel installation*



Project Status

Noise & Retaining Walls

Between Lowell – Cedar St.

- *Drainage installation and post installation for Noise Wall N-10, ME-2, ME-2A & N-11 (near park) continues*



Construction Update

Noise & Retaining Walls

Between Cedar St. - Broadway

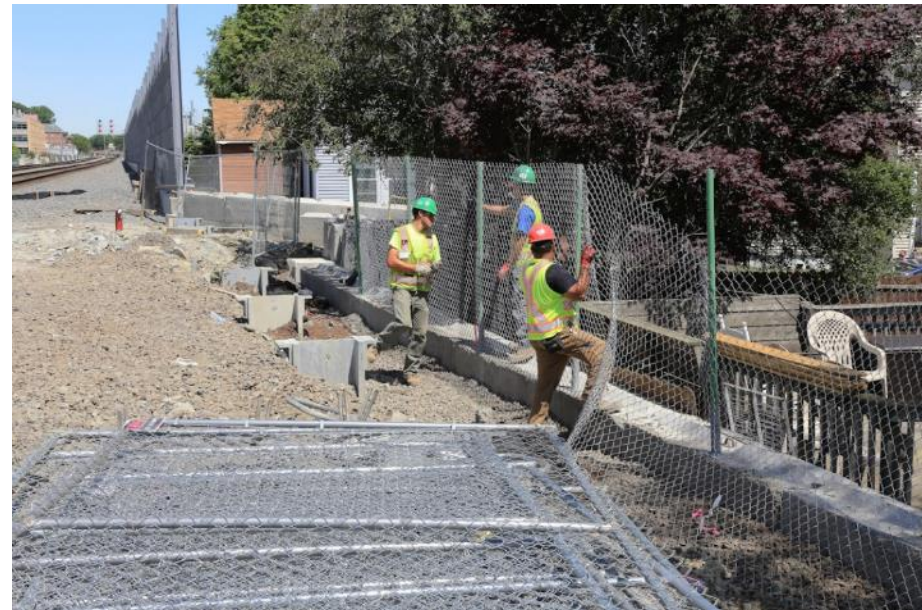
- *ME-2.1/ Noise Wall N-12 – awaiting panel placement*



Construction Update

Noise & Retaining Walls Between Broadway – Harvard St.

- *Drilling for post placement at ME-2.4/Noise Wall N-14A & N-14B*



Construction Update

Noise & Retaining Walls

Between College Ave. – Winthrop St.

- *Posts placement complete for Noise Wall N-15 (along Burget & Charnwood)*
- *Post placement continues for ME-3A & ME-3B*



Outreach

- DBE Networking, Safety & Security Workshop (June 18)



Outreach

GLX Project Presentation to Wentworth (June 5)



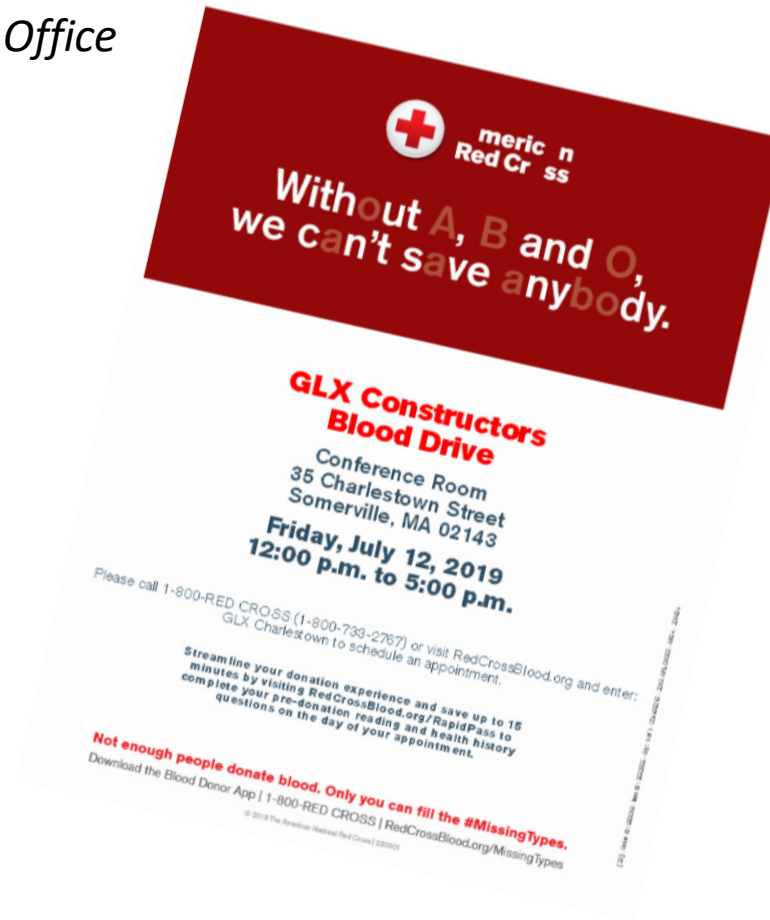
- GLX-C Engineers Carson Hess & Mat McKinnon gave project overview to 75 civil engineering students*



Outreach

Community Connection Team – Red Cross Blood Drive

- *Friday, July 12 at 35 Charlestown Office*
- *Friday, July 19 at 200 Inner Belt*



Community Connection Team



JP Morgan Corporate Challenge (June 20)

- 365 companies and 9,000 people participated
- 36th year for the event
- Benefits the Every Child Fund at Boston Children's Hospital



- I. Lechmere Station and Bus Bridge**
- II. Tentative Project Schedule**
- III. Adjacent work/Schedules**
- IV. Q & A**

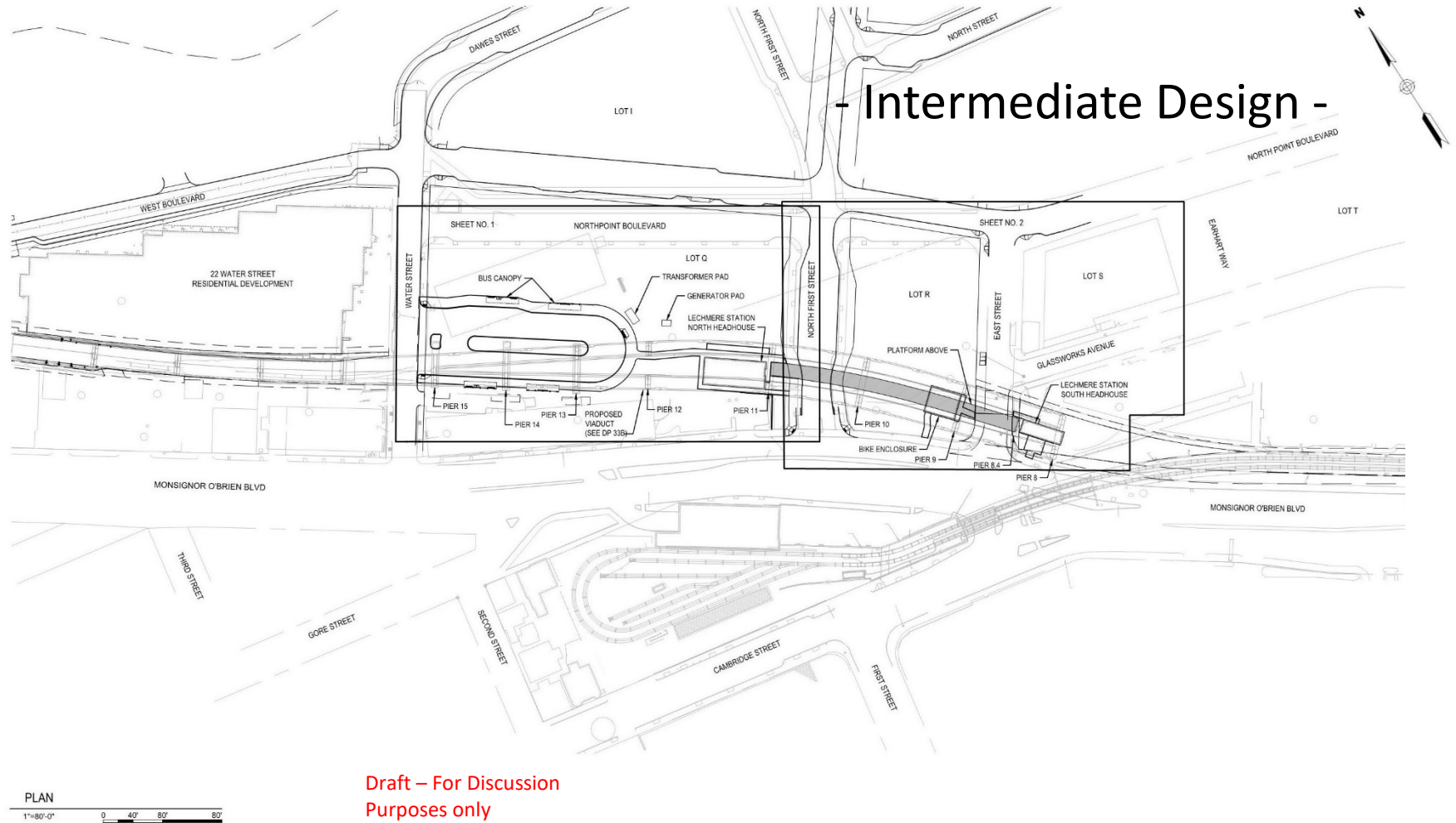
Tentative Work Schedule

Stakeholder Engagement Mile Markers	2019												2020												2021												
	WINTER			SPRING			SUMMER			FALL			WINTER			SPRING			SUMMER			FALL			WINTER			SPRING			SUMMER			FALL			
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	
Broadway																																					
Washington Street																																					
Medford Street																																					
School Street																																					
College Avenue*																																					
Cedar Street																																					
Lowell Street																																					
Green Line Bus Svc Between Lechmere Station & North Station																																					
Existing Lechmere Viaduct																																					

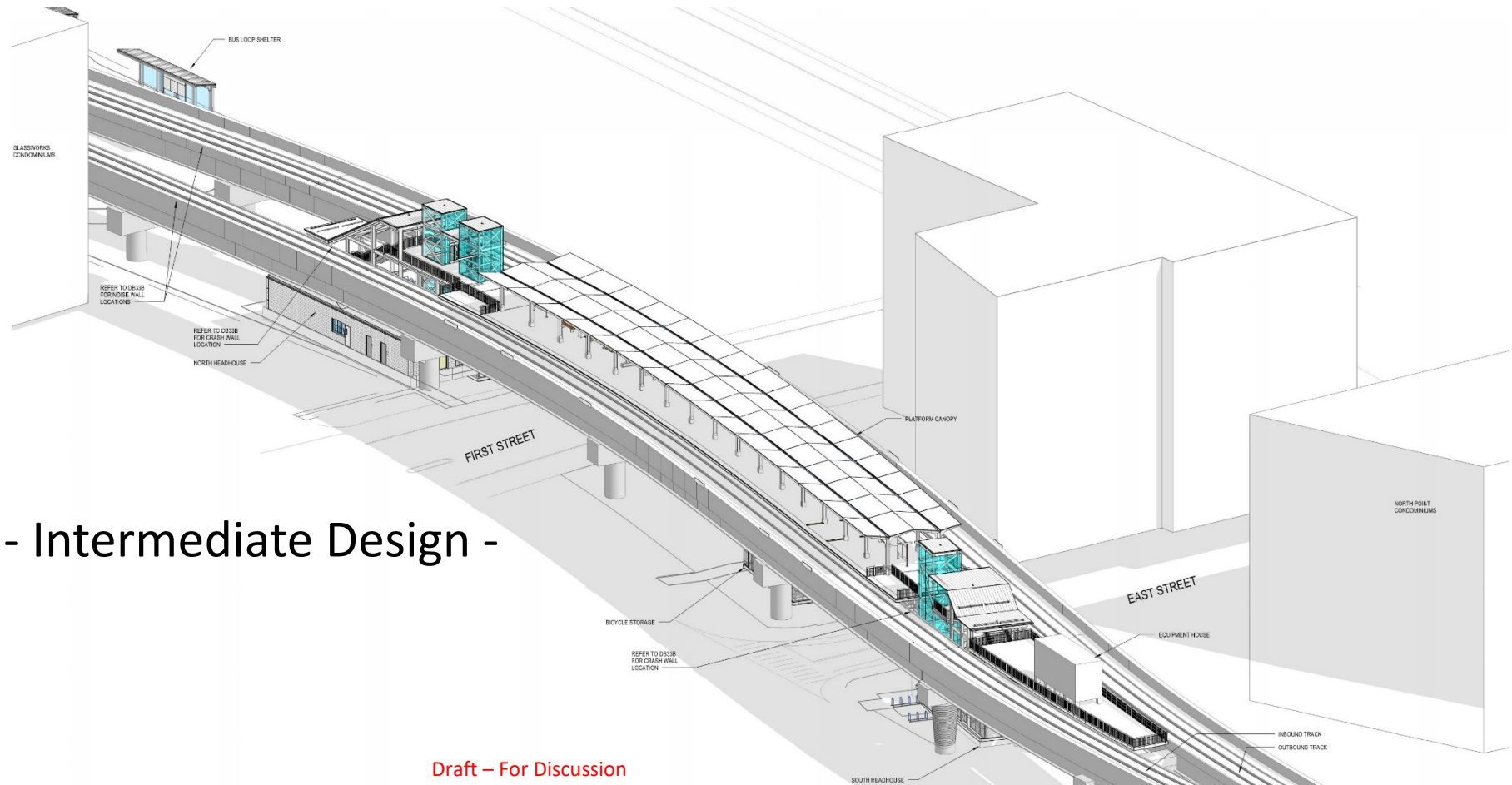
* College Avenue Bridge traffic may be restricted at times, but will remain open throughout construction.



Lechmere Station Site Plan



Lechmere Station Rendering



- Intermediate Design -

Draft – For Discussion
Purposes only

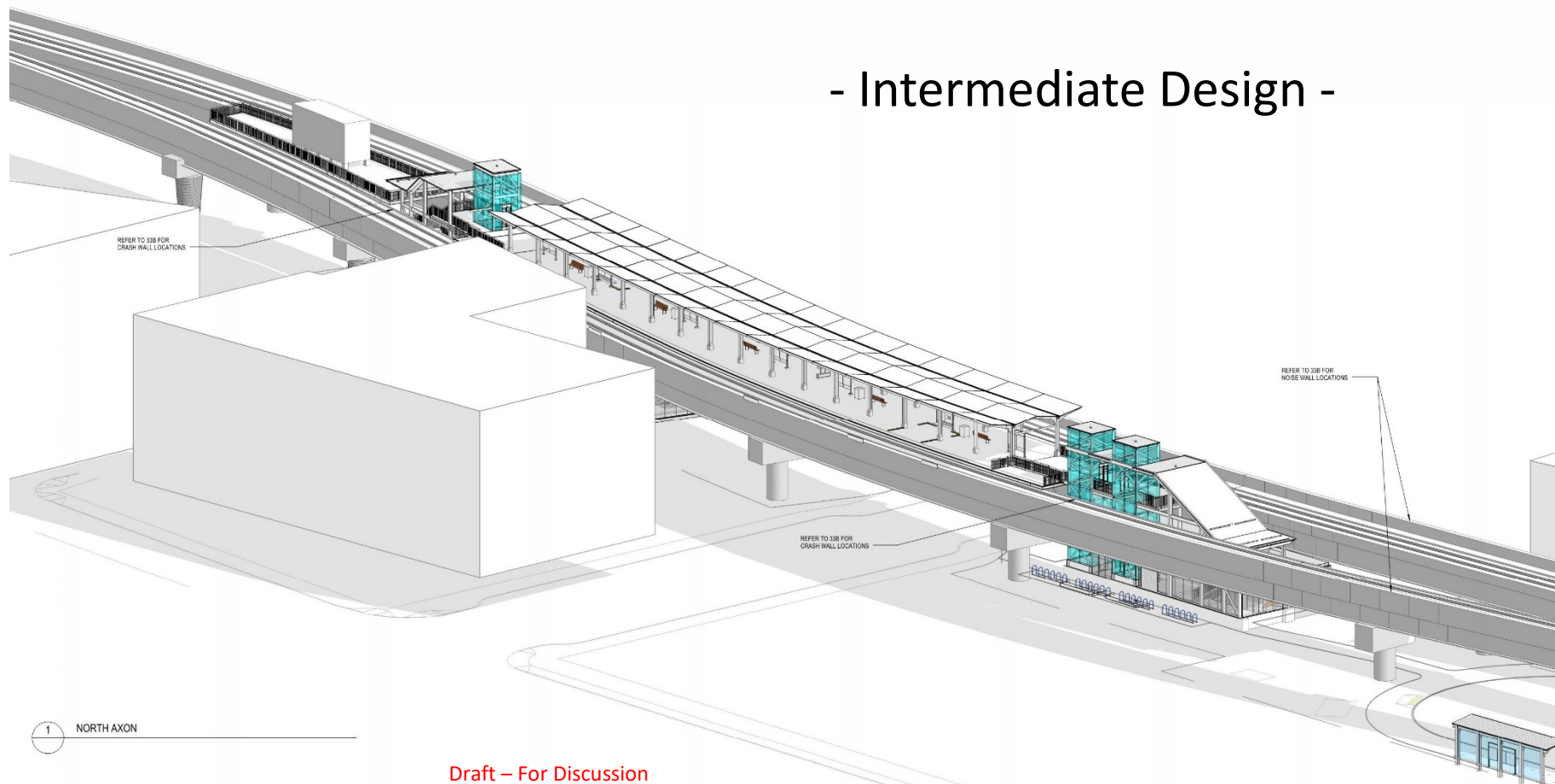


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Lechmere Station Rendering

- Intermediate Design -



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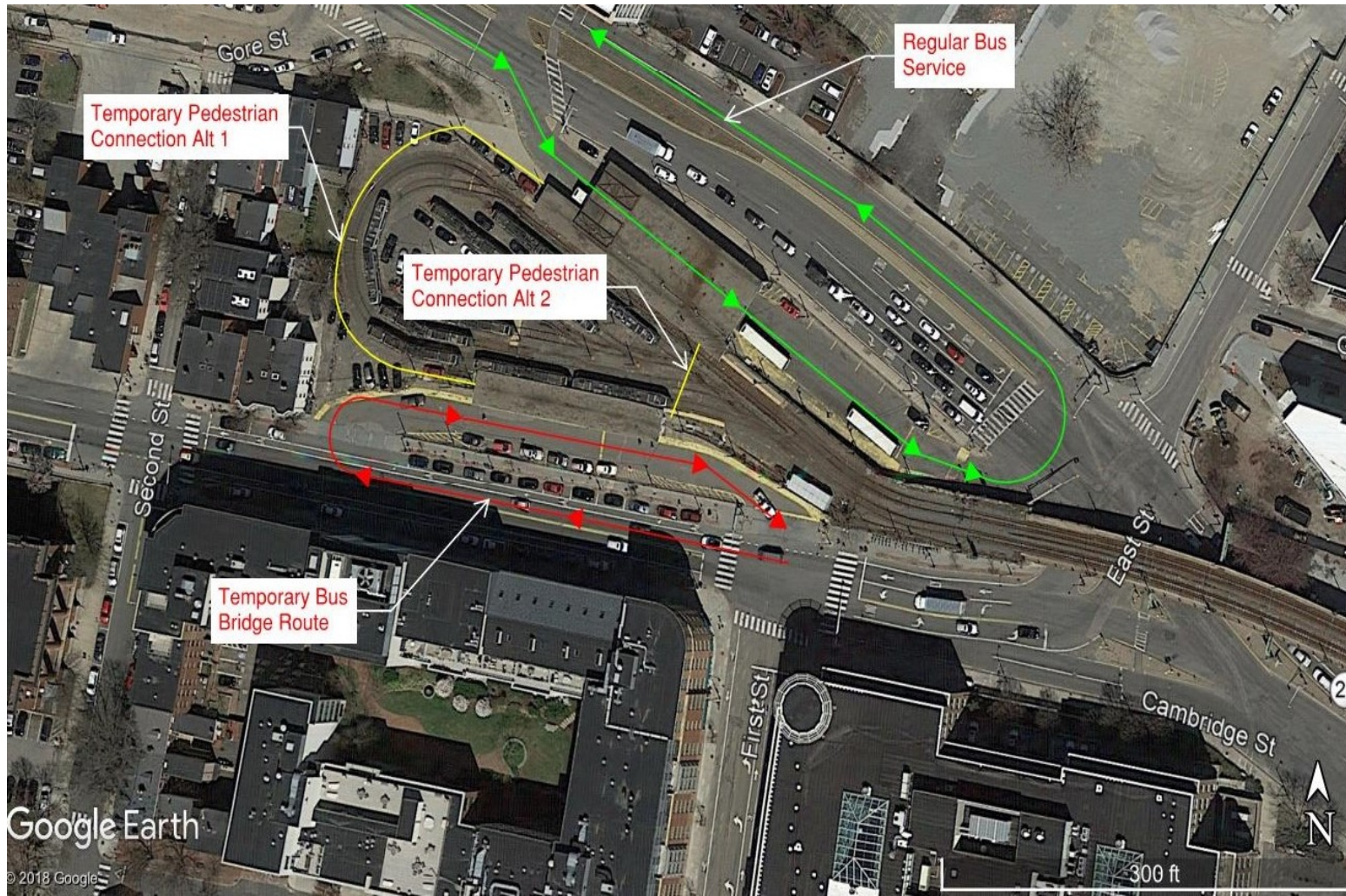
Temporary Bus Bridge

- **Required once service to Lechmere Station is shutdown to remove elevated viaduct structure to allow construction of new viaduct**
 - **Need to provide bus service between Lechmere and North Station with stop at Science Park**
 - **Approx. weekday daily ridership to Lechmere Station is 5,700***
 - **Approx. weekday daily ridership to Science Park is 860***
 - **Initial estimates indicate 15-20 buses required during the peak periods**
 - **Total contract time for Bus Bridge is a maximum of 338 days. May be less based on construction progress of new Lechmere Station**
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- *** Provided by MBTA - Last updated 1/10/19**



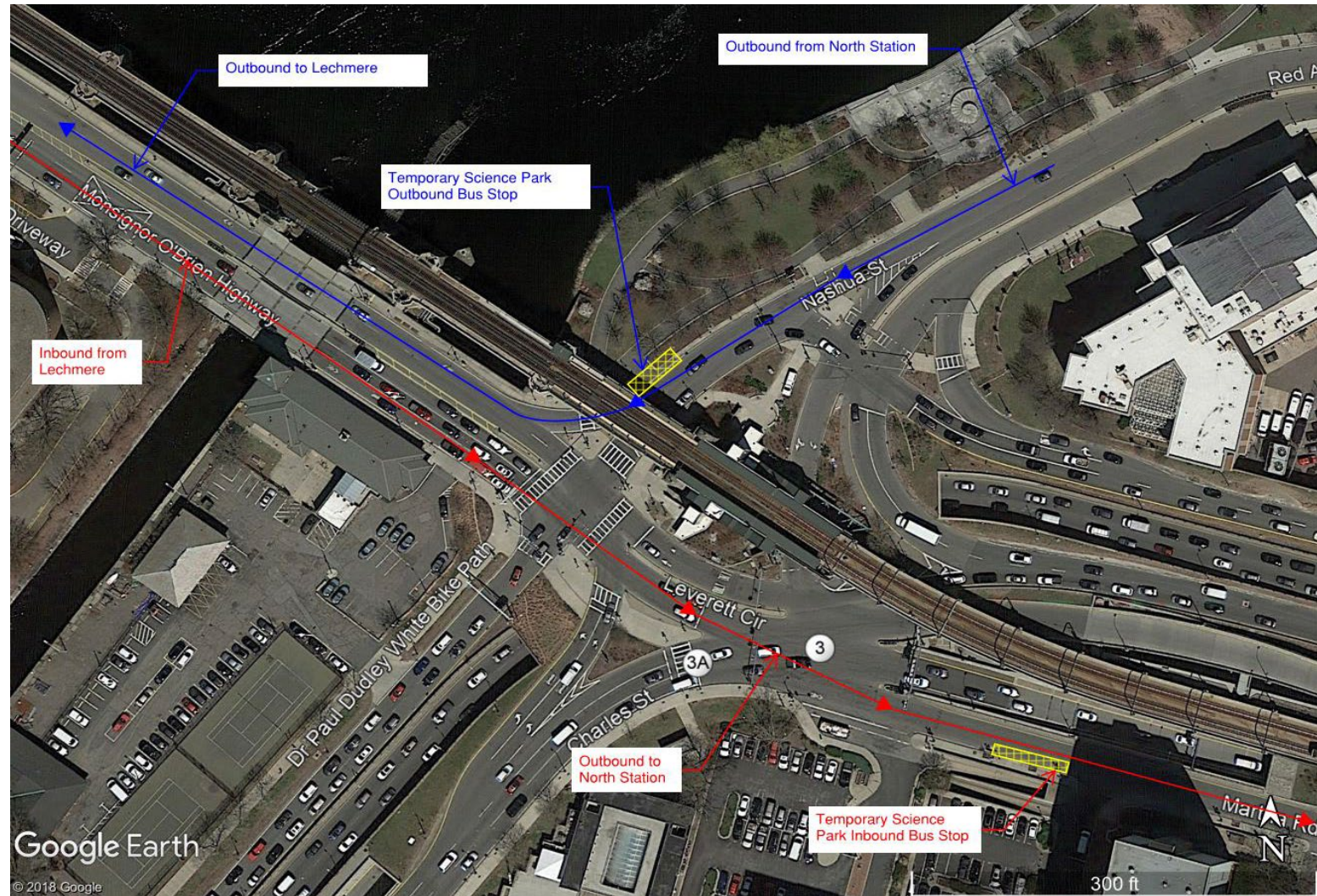
Lechmere Station – Bus Bridge Alternative

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Science Park– Bus Bridge Alternative

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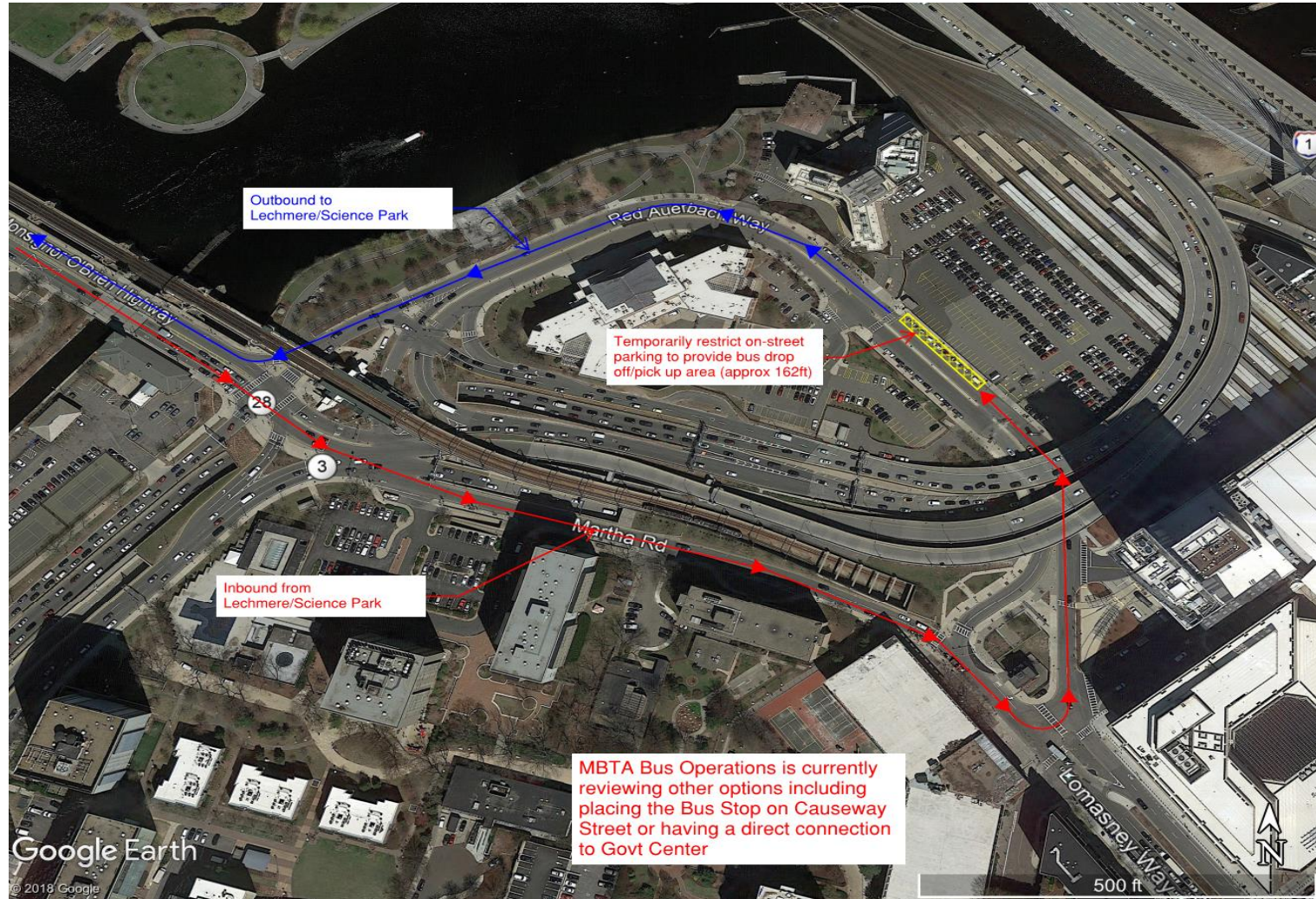


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North Station – Bus Bridge Alternative

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Adjacent Project Work

- **MBTA/GLX Projects (May 2020 - May 2021)**
 - Construction of New Lechmere Station on east side of Route 28
 - Construction of new Viaduct on east side of Route 28
 - Construction of New Bus Turn out on Water Street
 - Demolition of existing Lechmere Station
 - Demolition of existing viaduct across McGrath Highway and abutment at Lechmere Station
- **MassDOT Projects**
 - Craigie Bridge Work – Bike Lanes (Summer - Fall 2019)
 - Gilmore Bridge roadway and utility work (Summer 2019)



Adjacent Project Work

- **DCR Project (Summer – Fall 2019)**
 - Resurfacing of Land Boulevard
- **MBTA Project (Spring 2020 – Spring 2021)**
 - Structural Repairs and Catenary Pole Replacement on viaduct from Science Park Station to Charlestown Avenue (coincides with required track closure for GLX project viaduct work)
- **Private Development Projects (Spring 2019 – Spring 2021)**
 - Cambridge Crossing Site Development on east side of Route 28 from Leighton Street north to McGrath Highway Bridge over tracks
 - Cambridge Crossing Roadway Improvements along Route 28 (McGrath Hwy) from Land Boulevard north to Winter Street



Questions

