GREEN LINE EXTENSION PROJECT

massDOT
Massachusetts Department of Transportation

GLX

GLX Community Working Group
Monthly Meeting
July 10, 2018

Agenda

I. **Update/Review**

- Terry McCarthy, MBTA

II. **Community Path Design**

- Sean Anderson, GLXC Engineering Coordinator

III. **Construction Update**

- John West, GLXC Project Manager
- Jamie Doyle, GLXC Construction Manager

IV. **Discussion**

Update / Review

I. **Terry McCarthy, MBTA**

- Updates / actions since last meeting
- Groundbreaking June 25th
- Community Event Outreach
- Community Path General Overview
- GLX Public Meeting on July 18

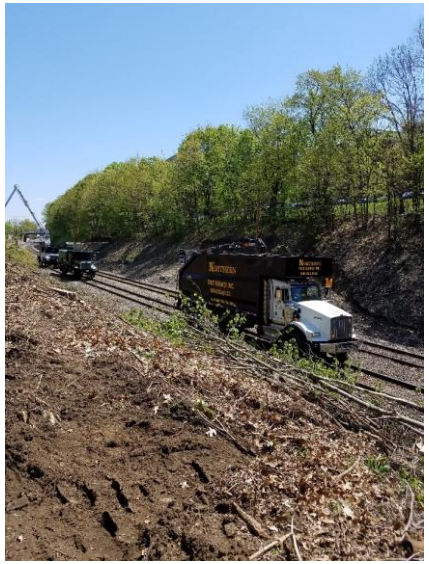
Project Status

- **Green Line Extension Project Groundbreaking** (Monday, June 25 – Future Union Square Station)

ARBORIST REPORT

Excerpt 6” Caliper or Greater

Removed (Y or N)	Location	Species	Caliper above 6" (Y or N)	Quantity	Removal & Location of Relocation (If Applicable)
Y	Winthrop to College Ave East Side (MBTA ROW)	Norway Maple, Black Walnut	Y	52	NA
Y	College Ave to Harvard St East Side (MBTA ROW)	Norway Maple, Black Walnut	Y	10	NA
Y	Broadway to Lowell East Side (MBTA ROW)	Norway Maple, Black Walnut, Red Maple,	Y	33	NA
Y	Lowell St to School St East Side (MBTA ROW)	Norway Maple, Black Walnut, Red Maple, Cherry	Y	24	NA
Y	School St to Washington St East Side (MBTA ROW)	Norway Maple, Black Walnut, Birch, Spruce	Y	23	NA
Y	VMF	Birch, Cedar	Y	5	NA



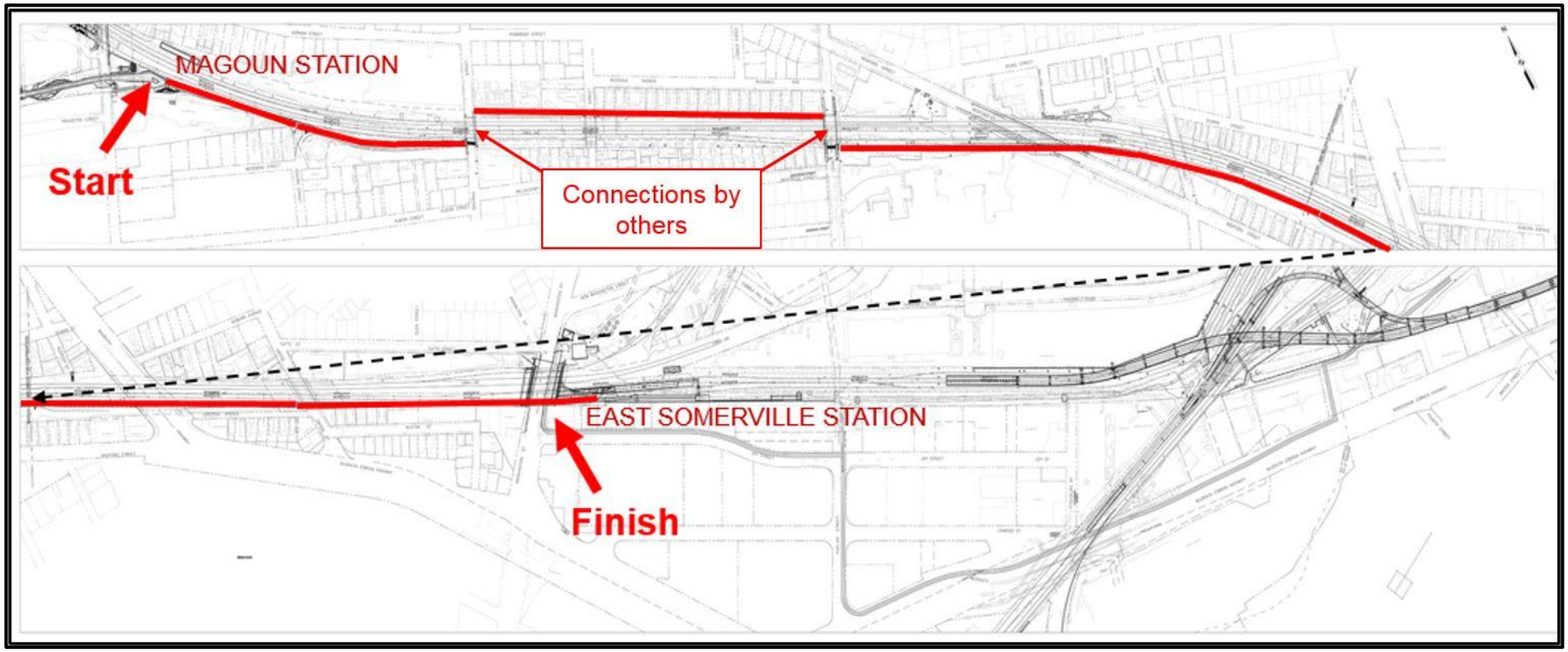
GLX Design-Build Entity

Community Path Design Update

Sean Anderson, GLXC Engineering Coordinator

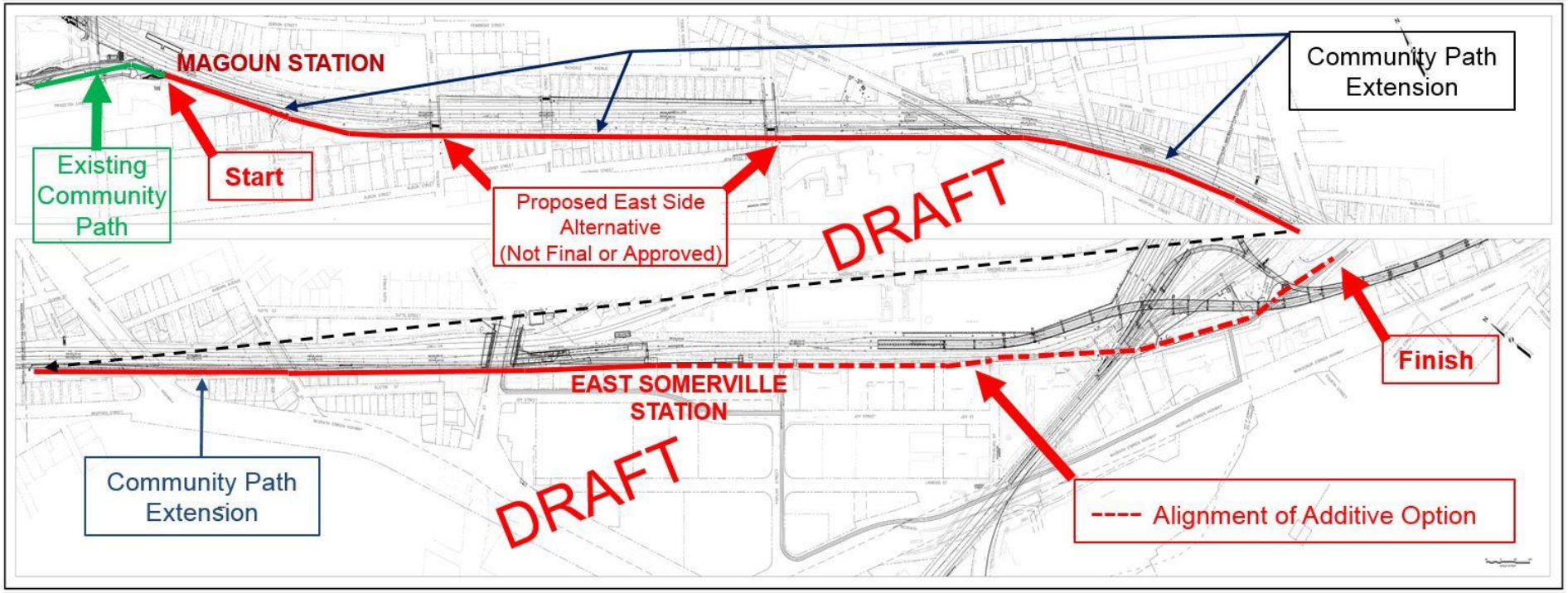
Community Path

Contract Design <u>Before</u> Additive Options



Community Path

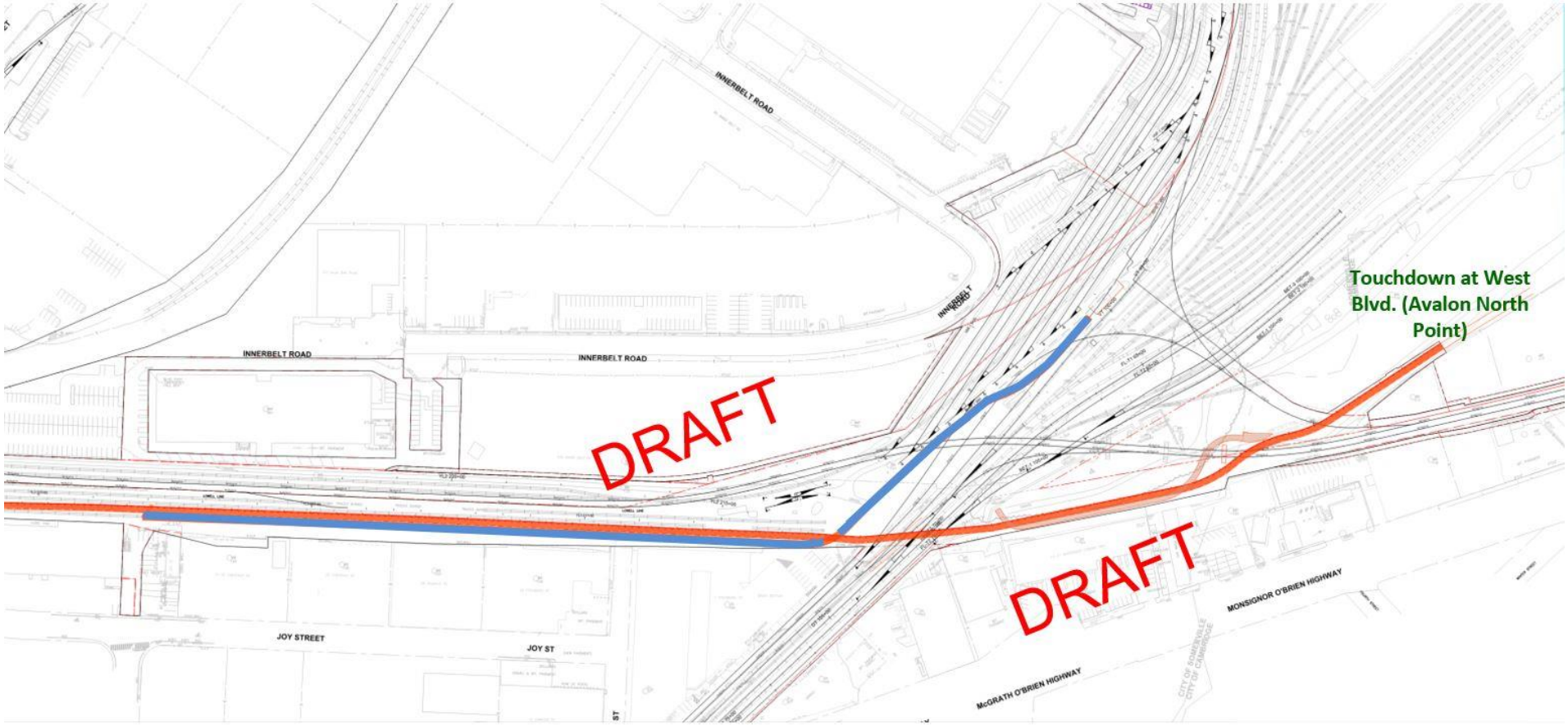
Design Alignment



Community Path

Design Alignment: Brick Bottom to Avalon North Point

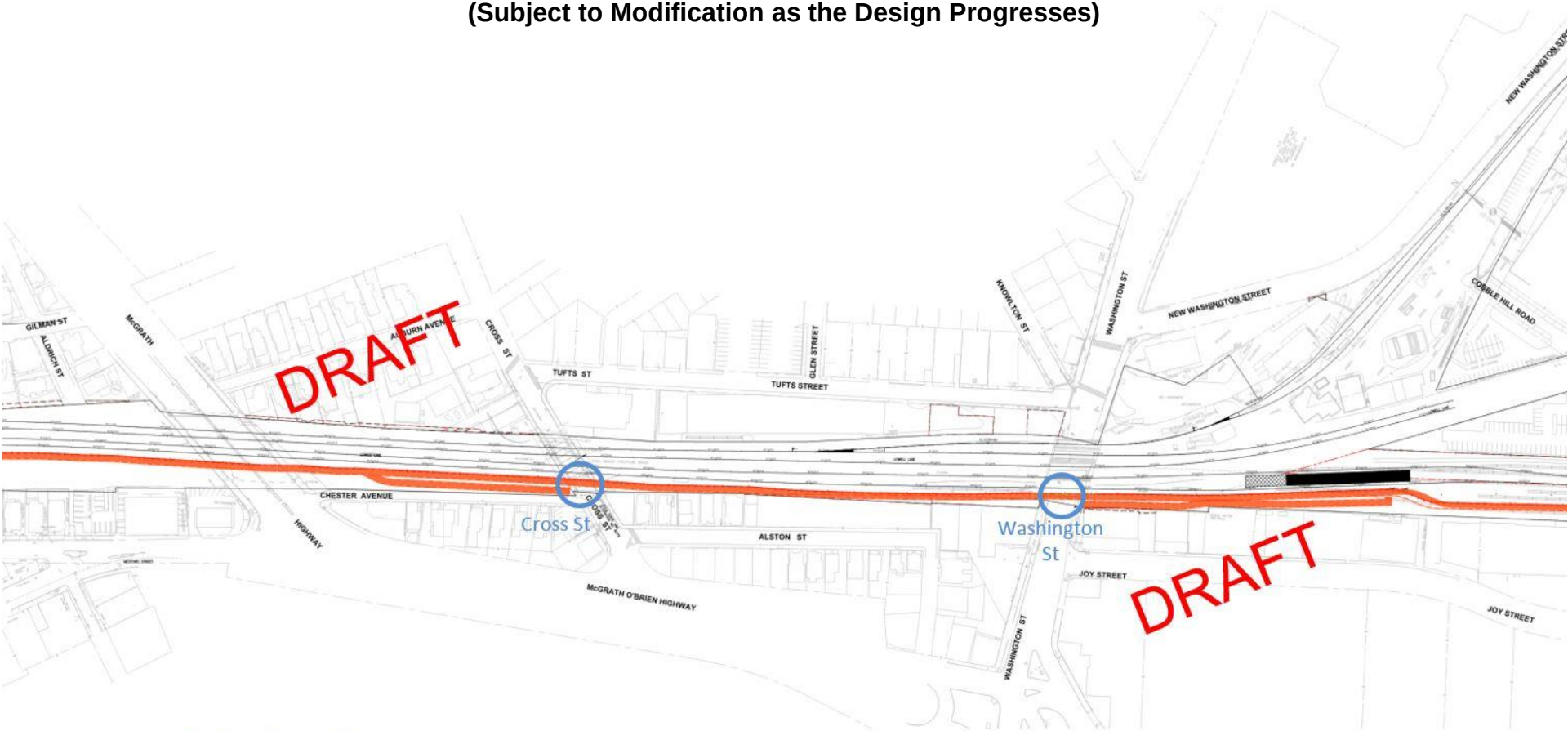
(Subject to Modification as the Design Progresses)



Community Path

Design Alignment: Cross to Washington

(Subject to Modification as the Design Progresses)

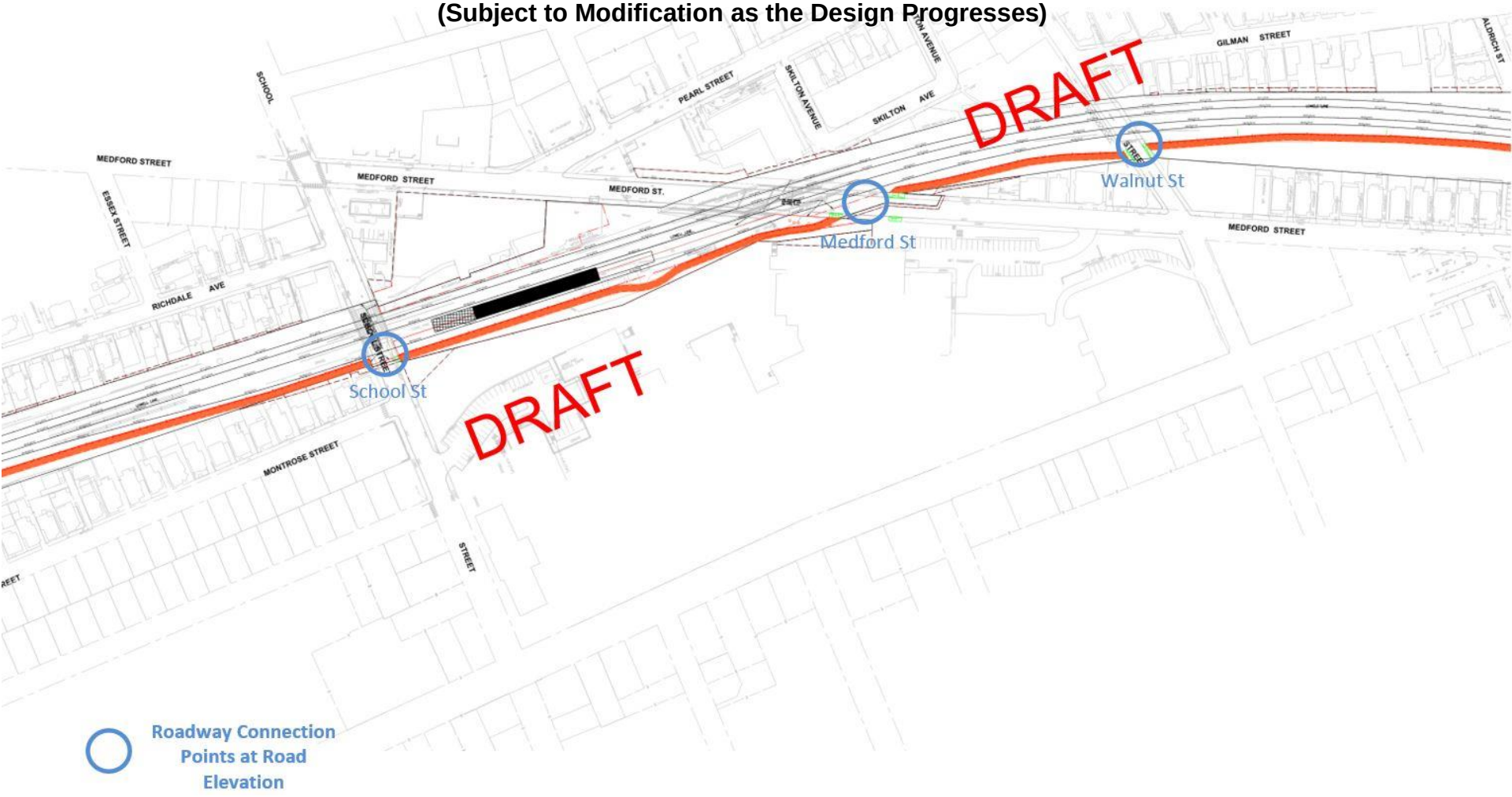


Roadway Connection Points at Road Elevation

Community Path

Design Alignment: School to Walnut

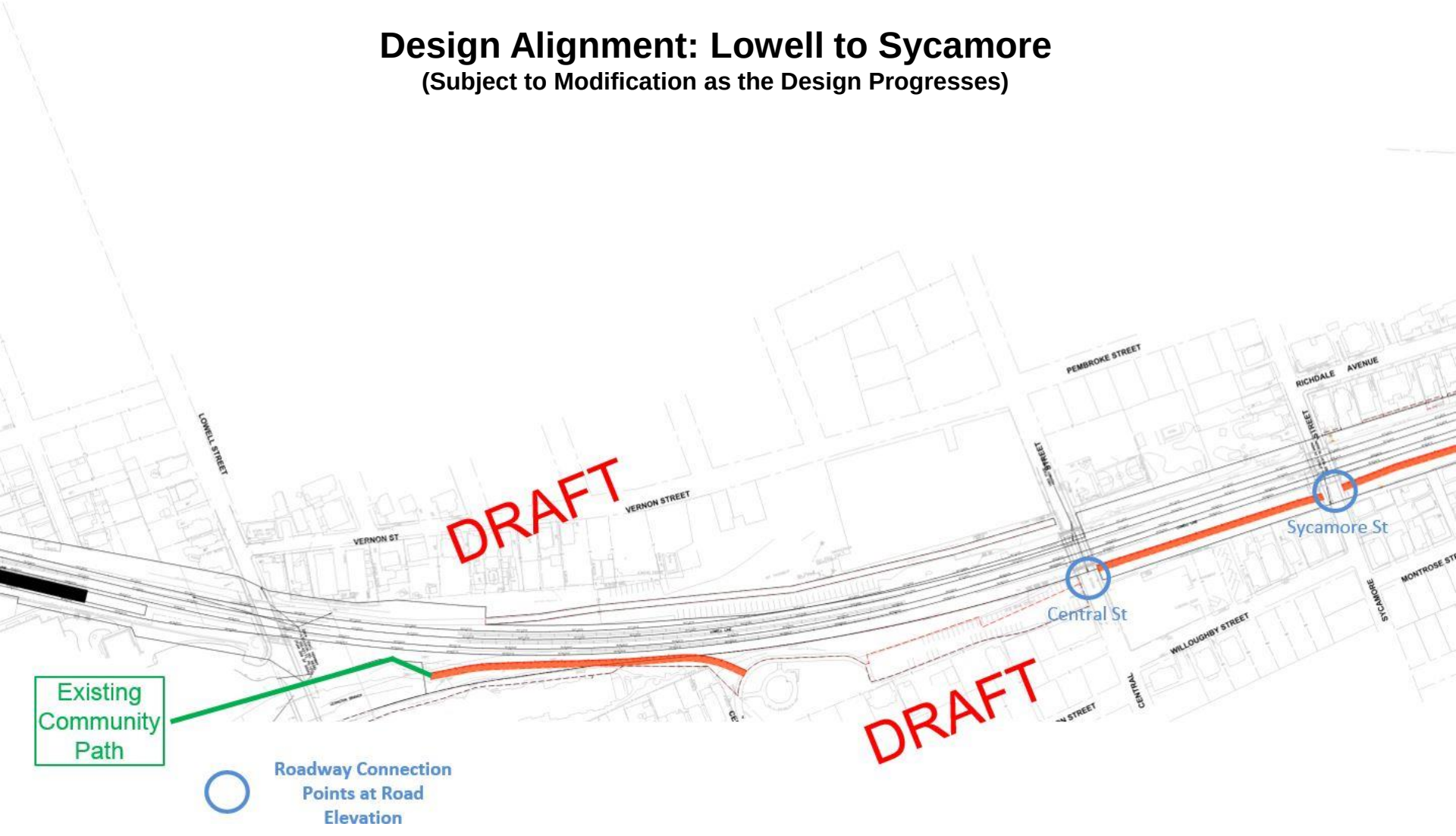
(Subject to Modification as the Design Progresses)



Community Path

Design Alignment: Lowell to Sycamore

(Subject to Modification as the Design Progresses)



Community Path

Safety Features

- Bollards at all road crossings
- Lighting
- Safety Call Boxes between each 2 roadways or every 1000 ft
- Roadway signage and cautionary road striping to alert drivers at crossings
- Guardrail and Fence between Community Path and Green Line Track

Representative Example

Representative Example

GLX Design-Build Entity

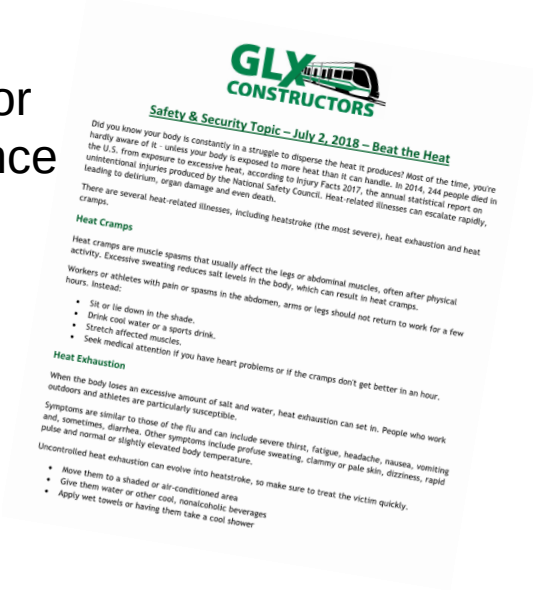
Construction Update

John West, GLXC Project Manager

Jamie Doyle, GLXC Construction Manager

Safety

- **Safety & Security**
  - Cultivating a safety culture rooted in concern and care for ourselves and our fellow workers and absolute compliance
  - Project hours through June: 165,157
  - Next Quarterly Emergency Responder Meeting July 26



GLX CONSTRUCTORS

Safety & Security Topic – July 2, 2018 – Beat the Heat

Did you know your body is constantly in a struggle to disperse the heat it produces? Most of the time, you're hardly aware of it – unless your body is exposed to more heat than it can handle. In 2014, 244 people died in the U.S. from exposure to excessive heat, according to Injury Facts 2017, the annual statistical report on unintentional injuries produced by the National Safety Council. Heat-related illnesses can escalate rapidly, leading to delirium, organ damage and even death.

There are several heat-related illnesses, including heatstroke (the most severe), heat exhaustion and heat cramps.

Heat Cramps

Heat cramps are muscle spasms that usually affect the legs or abdominal muscles, often after physical activity. Excessive sweating reduces salt levels in the body, which can result in heat cramps.

Workers or athletes with pain or spasms in the abdomen, arms or legs should not return to work for a few hours. Instead:

- Sit or lie down in the shade.
- Drink cool water or a sports drink.
- Stretch affected muscles.
- Seek medical attention if you have heart problems or if the cramps don't get better in an hour.

Heat Exhaustion

When the body loses an excessive amount of salt and water, heat exhaustion can set in. People who work outdoors and athletes are particularly susceptible.

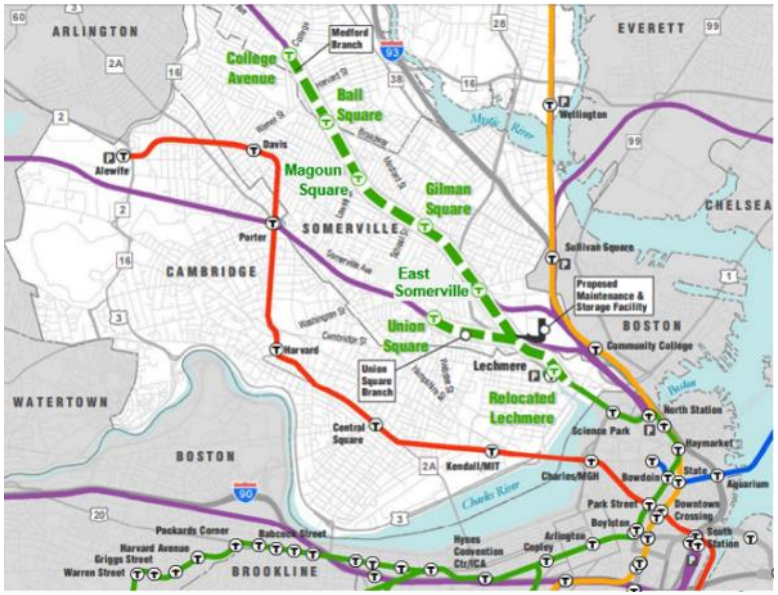
Symptoms are similar to those of the flu and can include severe thirst, fatigue, headache, nausea, vomiting and, sometimes, diarrhea. Other symptoms include profuse sweating, clammy or pale skin, dizziness, rapid pulse and normal or slightly elevated body temperature.

Uncontrolled heat exhaustion can evolve into heatstroke, so make sure to treat the victim quickly.

- Move them to a shaded or air-conditioned area
- Give them water or other cool, nonalcoholic beverages
- Apply wet towels or having them take a cool shower

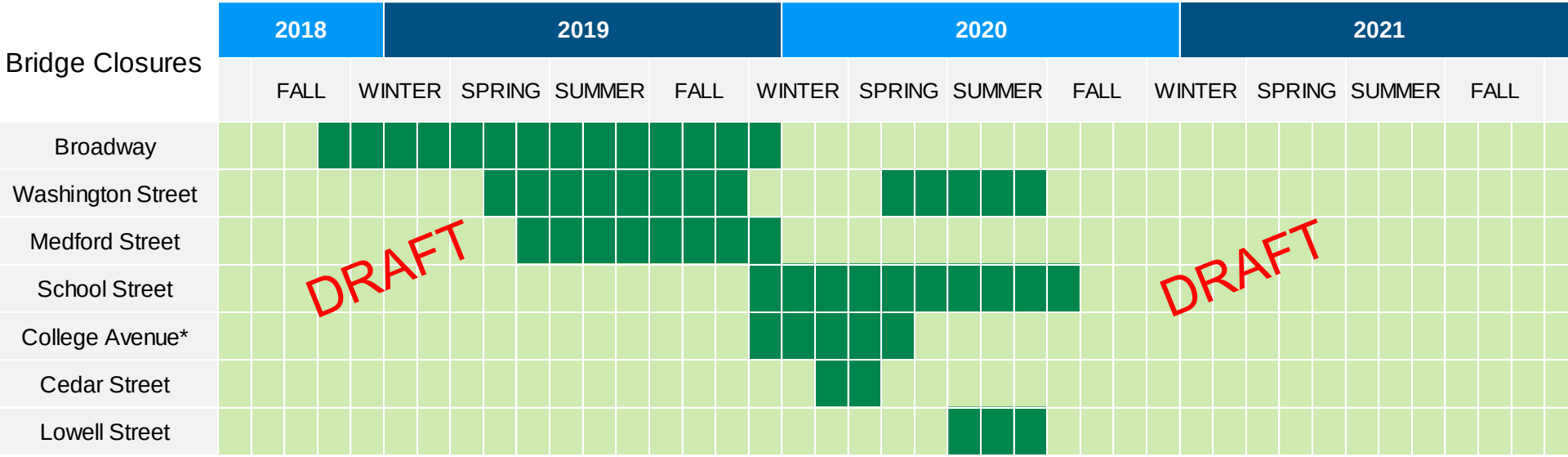
Overview Schedule

- Design & Pre-Construction Work | Underway
- Alignment Tree Clearing | Spring- Summer 2018 (Phase I Complete)
- Construction | Summer 2018 - Spring 2021
- Testing | Spring 2020 - Late 2021
- Opening | Late 2021



Bridge Replacement

GLX-Bridge Closure Schedule – As of July 2018



* Traffic through College Avenue will remain open throughout construction.

Project Status

- **Tree Clearing & Grubbing**
  - Phase 2 – Intermittent clearing on west side of alignment as needed.

GLX
Green Line
Extension

Select Clearing Along West Side of Rail Alignment begins June 25

Tree and brush clearing on the west side of the rail alignment, **between Broadway and Harvard Ave**. will begin next week and take several days to complete.

All work will be performed from inside of the right-of-way. Residents who park in areas where tree branches hang across their fence line are asked to move their vehicles to avoid possible damage.

Work Hours:
10 a.m. – 3:30 p.m.
For more info please visit
www.greenlineextension.org
or email us at info@glxinfo.com

June 20, 2018

200 Inner Belt Drive, Somerville, MA 02143

Project Status

- **Old Track Removal**
  - 5,500 feet of used rail removed
  - Rail to be recycled
  - Footprint will be future home of light rail for Green Line Extension

Project Status

- **Right of Way Trash Cleanup**
  - Focus on west side of alignment where we have access with heavy equipment
  - More than 300 tons of trash removed to date
  - Supports project Integrated Pest Management Program

Project Status

- **Integrated Pest Management**

  - Weekly Inspections of baiting stations continue

- **Pre-Construction Survey**

  - Focus continues on the east side of alignment

  - 147 of 221 property inspections complete in phase I

- **Soil Boring**

  - Used to determine geological conditions in support design effort

  - Work wrapping up w/ 447 soil core samples pulled

Project Status

- **Utility Test Pitting**
  - Work to confirm utility locations continue in support of design & construction
  - 165 of 249 Test Pits (as of June 29)

- **Soil Pre-Characterization for Reuse**
  - 161 Geoprobes completed

Project Status

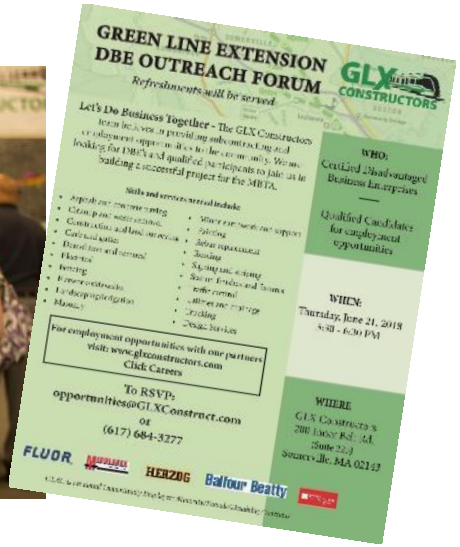
- **Homans Building Demolition**
  - Demolition target August/September 2018
  - 3 to 4 week duration
  - Future site of traction power station
  - Outreach campaign planned

Project Status

- **Green Line Extension Project Groundbreaking** (Monday, June 25 – Future Union Square Station)

Project Status

- **Disadvantaged Business Enterprise (DBE) Networking Event**
  (Thursday, June 21)



Project Status

- **Somerville GLX Info Table** (Saturday, June 23 – Outside of Blue Cloud Gallery)

GLX Community Working Group

Discussion