



GREEN LINE EXTENSION PROJECT



massDOT
Massachusetts Department of Transportation



1



GLX General Public Meeting
Medford City Hall
July 18, 2018

Agenda

I. Opening Remarks

- Terry McCarthy, MBTA

II. Community Path Design

- Sean Anderson, GLXC Engineering Coordinator

III. Construction Update

- John West, GLXC Project Manager

IV. Bridge Replacement and Traffic/Pedestrian Detours

- Michael Ortler, GLXC Construction/Traffic Coordination
- Andrew Smith, MBTA Senior Transportation Planner

V. Discussion

Project Status

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



massDOT
Massachusetts Department of Transportation



GLX Update

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



massDOT
Massachusetts Department of Transportation



Project Status

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

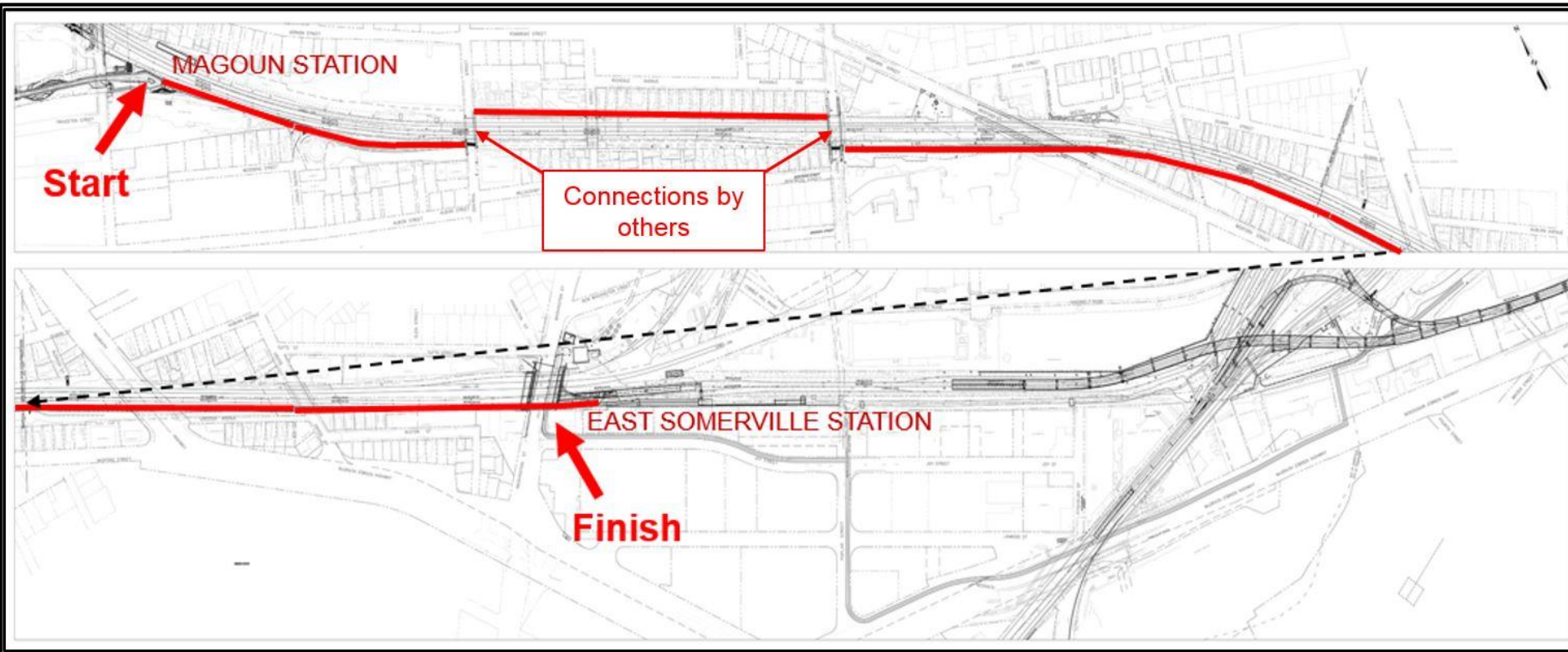


Community Path Design Update

Sean Anderson, GLXC Engineering Coordinator

Community Path

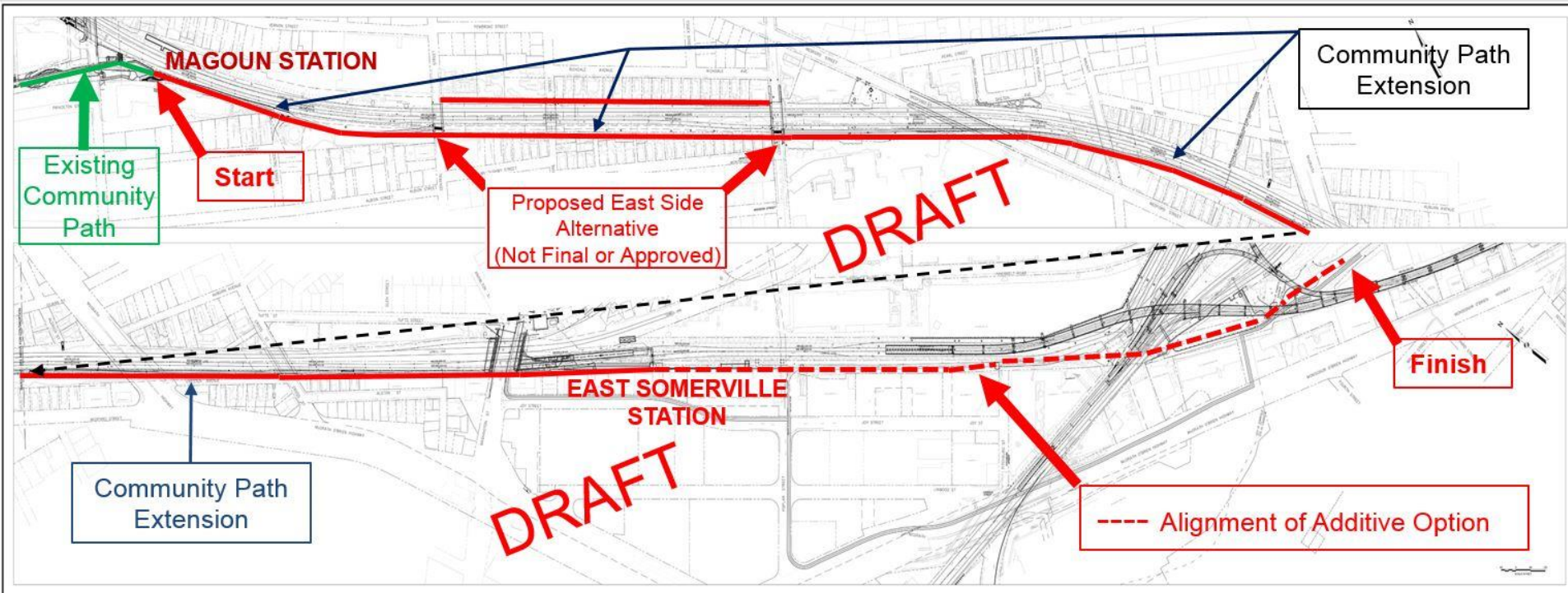
Contract Design Before Additive Options



Community Path



Design Alignment



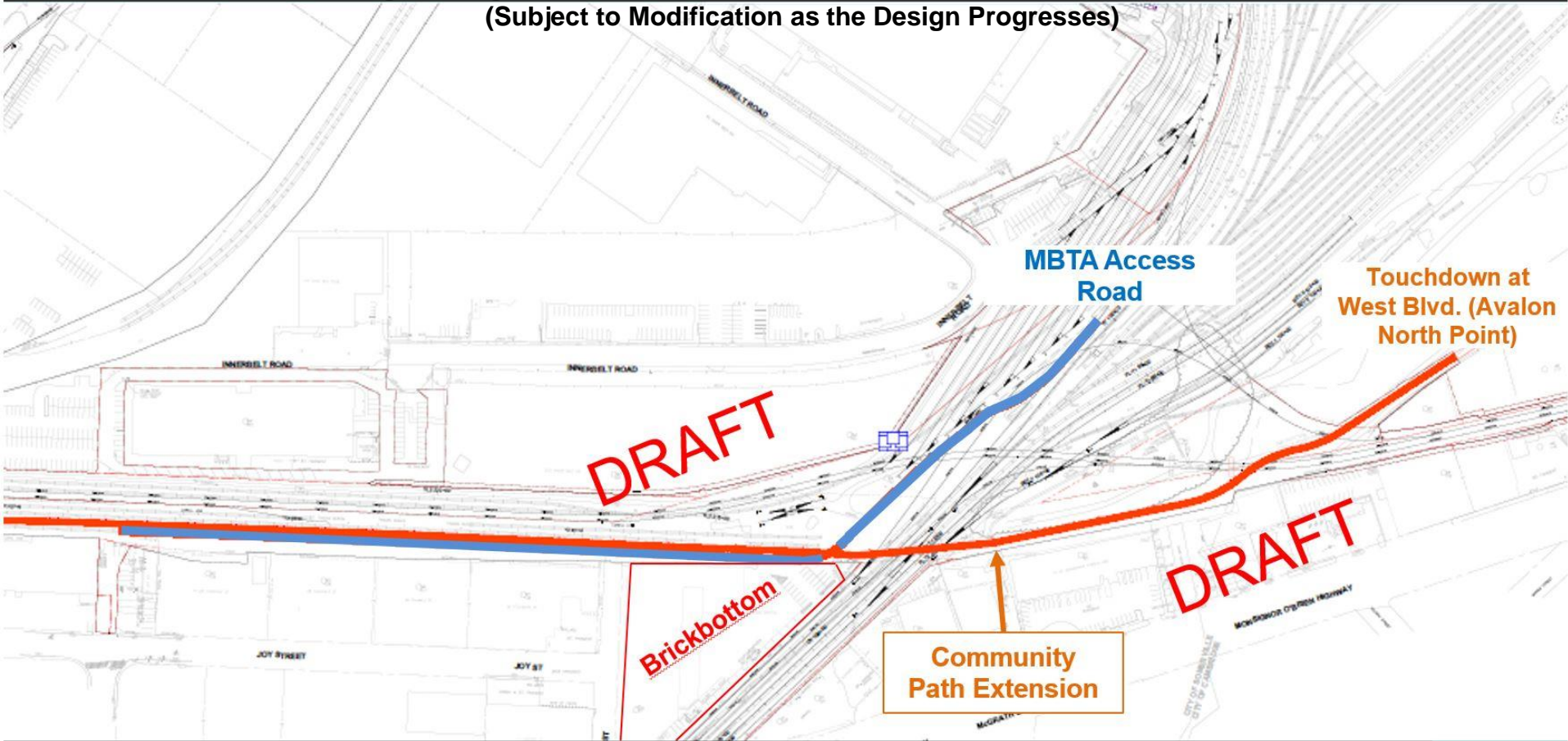
massDOT
Massachusetts Department of Transportation



Community Path

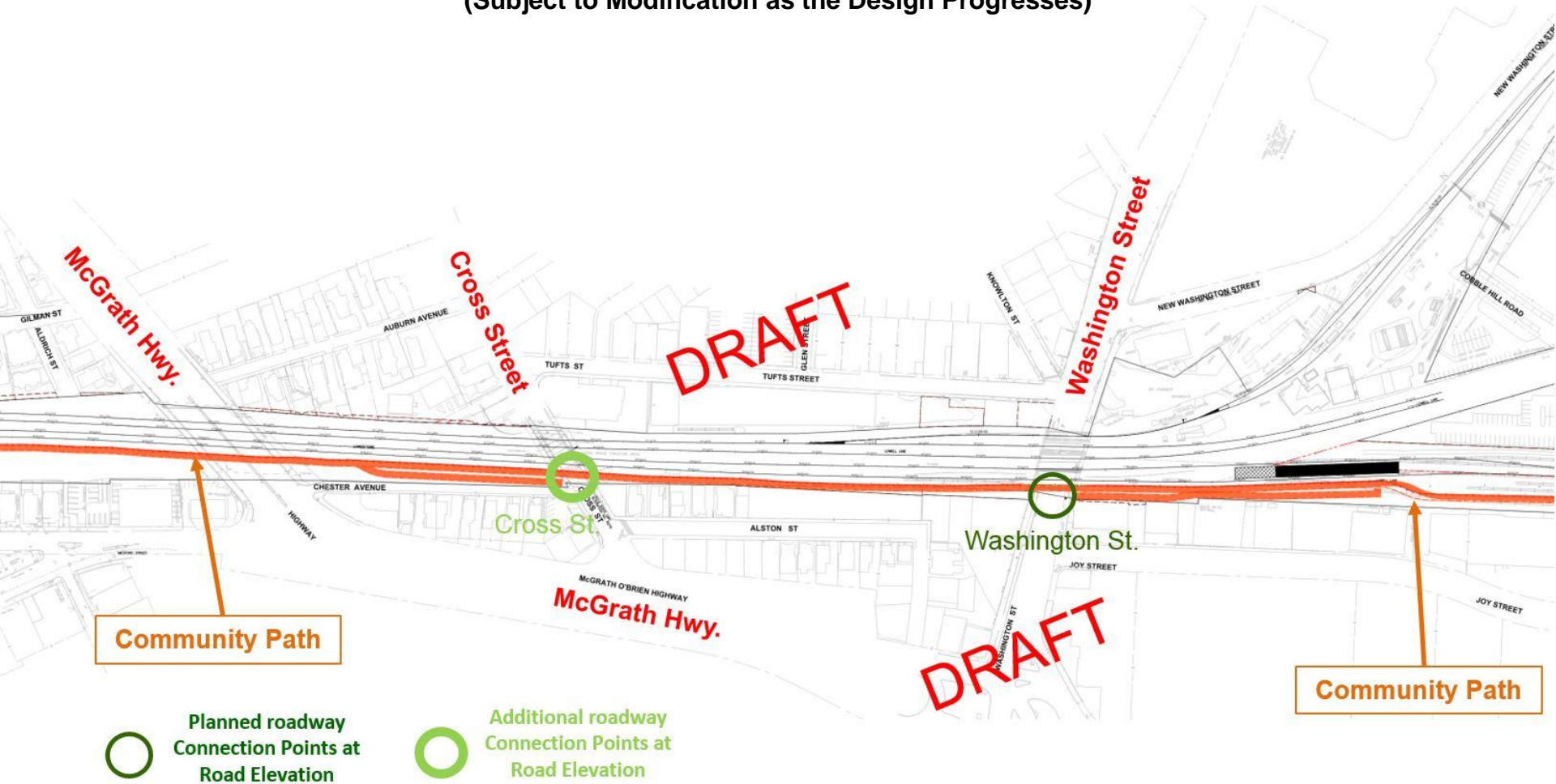
Design Alignment: Brick Bottom to Avalon North Point

(Subject to Modification as the Design Progresses)



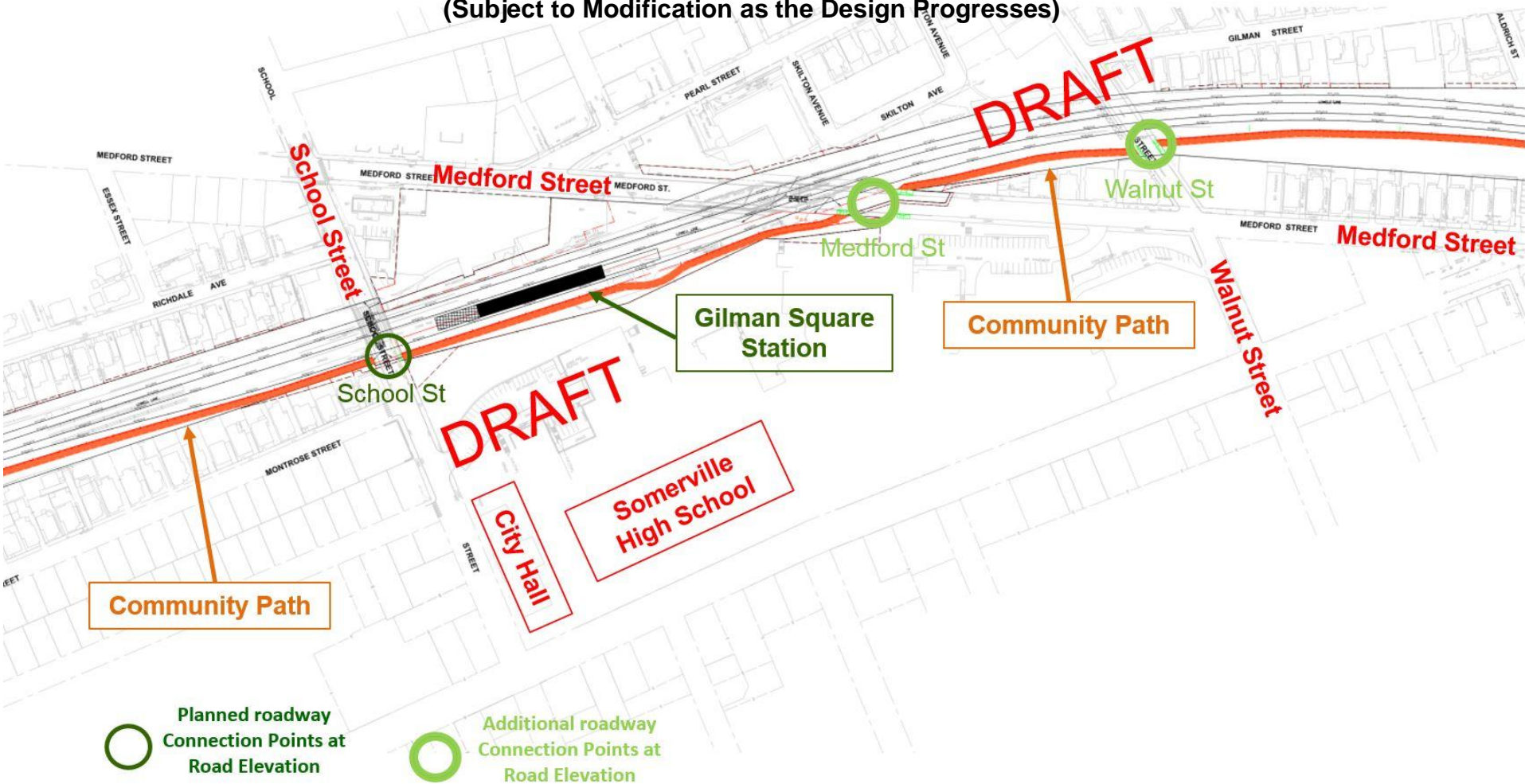
Community Path

Design Alignment: Cross to Washington (Subject to Modification as the Design Progresses)



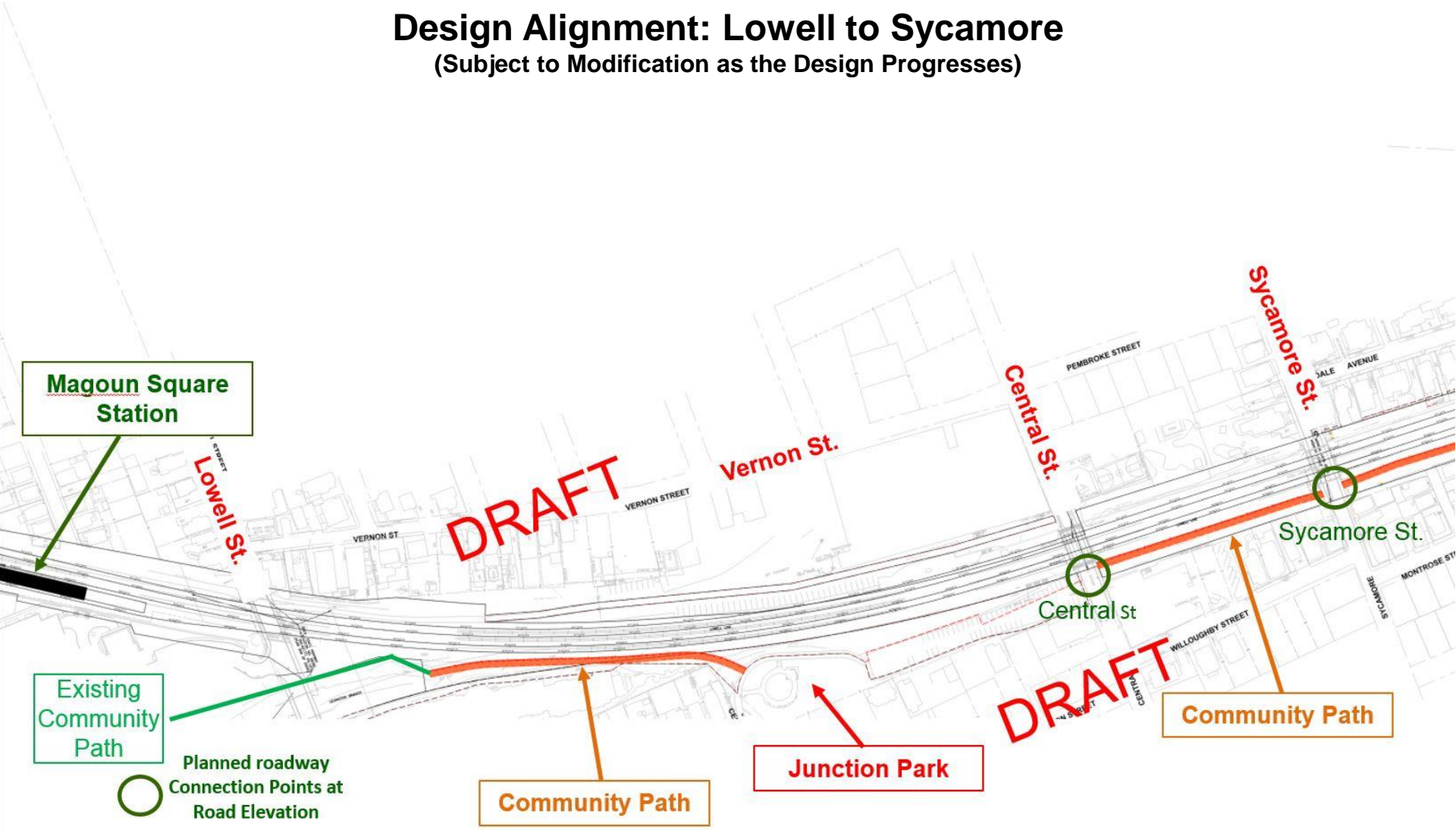
Community Path

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)



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

Construction Update

John West, GLXC Project Manager

- **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



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, 246 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.

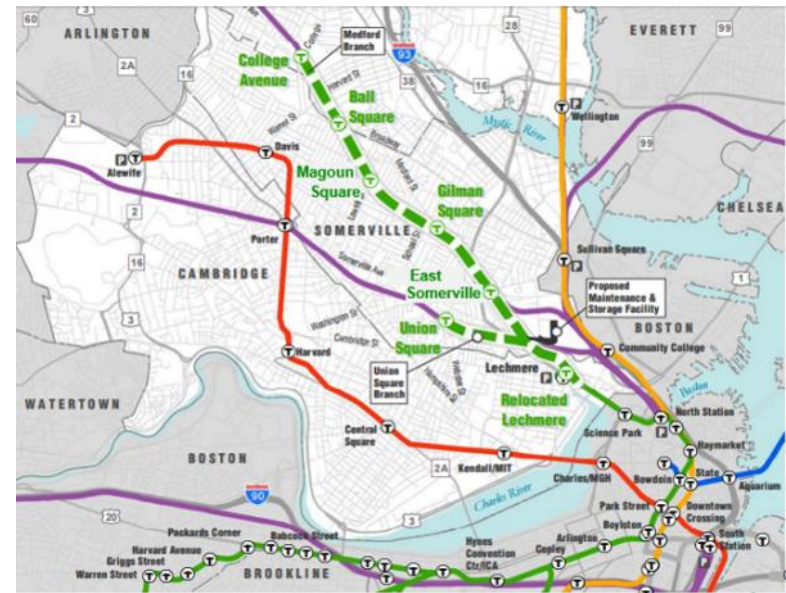
Uncontrolled heat exhaustion can evolve into heatstroke, so make sure to treat the victim quickly.

- 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

Bridge Closures	2018				2019				2020				2021			
	FALL	WINTER	SPRING	SUMMER	FALL	WINTER	SPRING	SUMMER	FALL	WINTER	SPRING	SUMMER	FALL	WINTER	SPRING	SUMMER
Broadway																
Washington Street																
Medford Street																
School Street																
College Avenue*																
Cedar Street																
Lowell Street																

DRAFT

DRAFT

* Traffic through College Avenue will remain open throughout construction.

Note: Medford and School Street Bridges will not be closed at the same time. The closings are sequential.



massDOT
Massachusetts Department of Transportation



Project Status



Phase II - Tree Clearing & Grubbing Along West Side of Alignment

➤ When?

- May begin in August 2018.

➤ Where?

- West side of ROW from Washington Street to Lowell Street in Somerville

➤ Why?

1. Public safety measure
2. Prepare for retaining wall construction.



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



massDOT
Massachusetts Department of Transportation



Project Status

Phase II - Tree Clearing & Grubbing Along West Side of Alignment



Project Status

Phase II - Tree Clearing & Grubbing Along West Side of Alignment



Project Status

Phase II - Tree Clearing & Grubbing Along West Side of Alignment



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 500 tons of trash removed to date
- Supports project Integrated Pest Management Program



massDOT
Massachusetts Department of Transportation



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



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



Replacement of Bridges

Vehicular/Peds & Bike/Bus Detours



Bridge Replacement Approach



Broadway Bridge (Targeting Fall 2018 to Fall 2019)



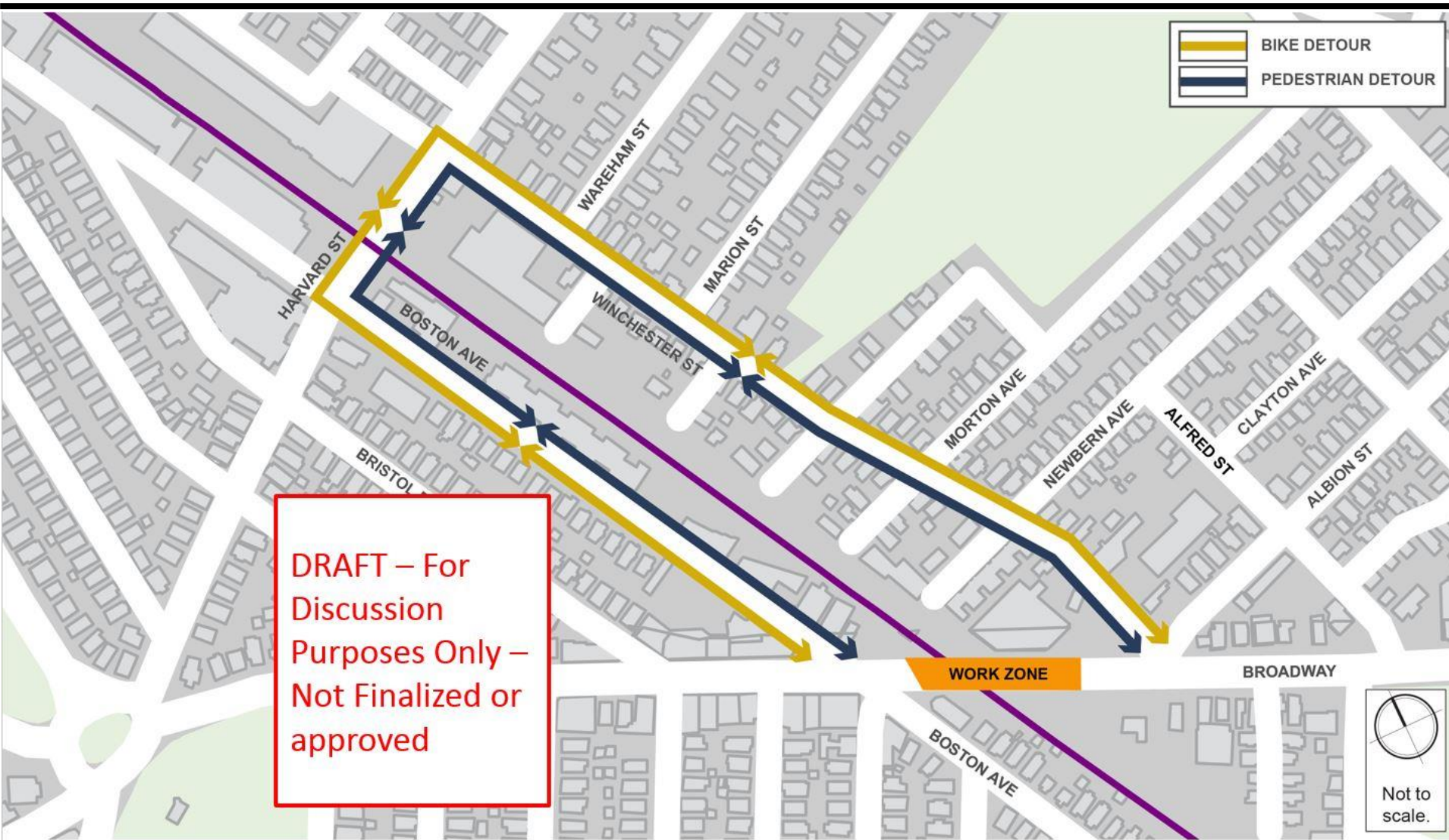
massDOT
Massachusetts Department of Transportation



Broadway Bridge Detours - Traffic



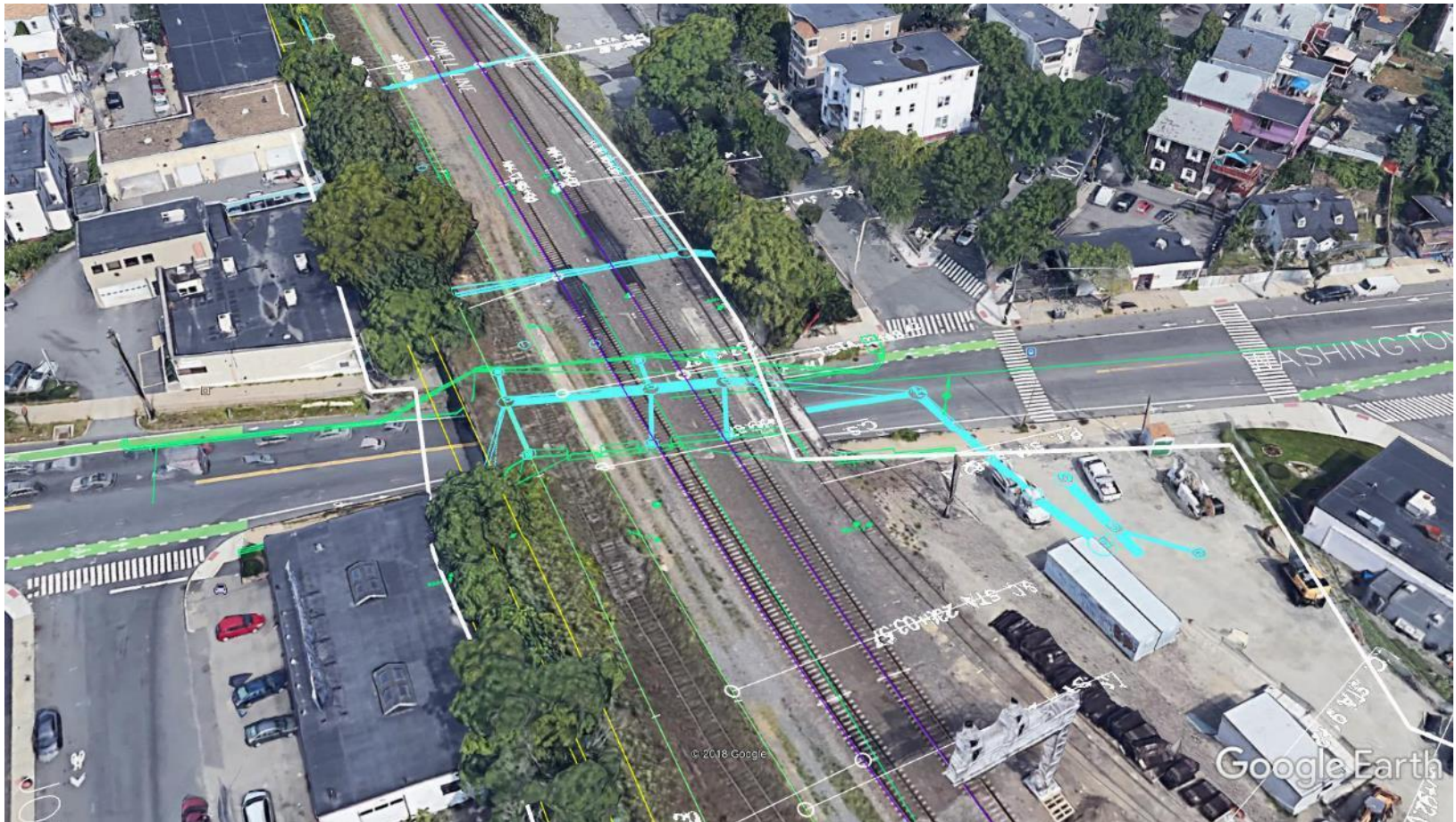
Broadway Bridge Detours – Pedestrians and Bikers



Bridge Replacement Approach



**Washington Street Bridge –
(Targeting Phase I – Early to Late 2019, Phase II – Spring to Fall 2020)**



massDOT
Massachusetts Department of Transportation



Bridge Replacement Approach



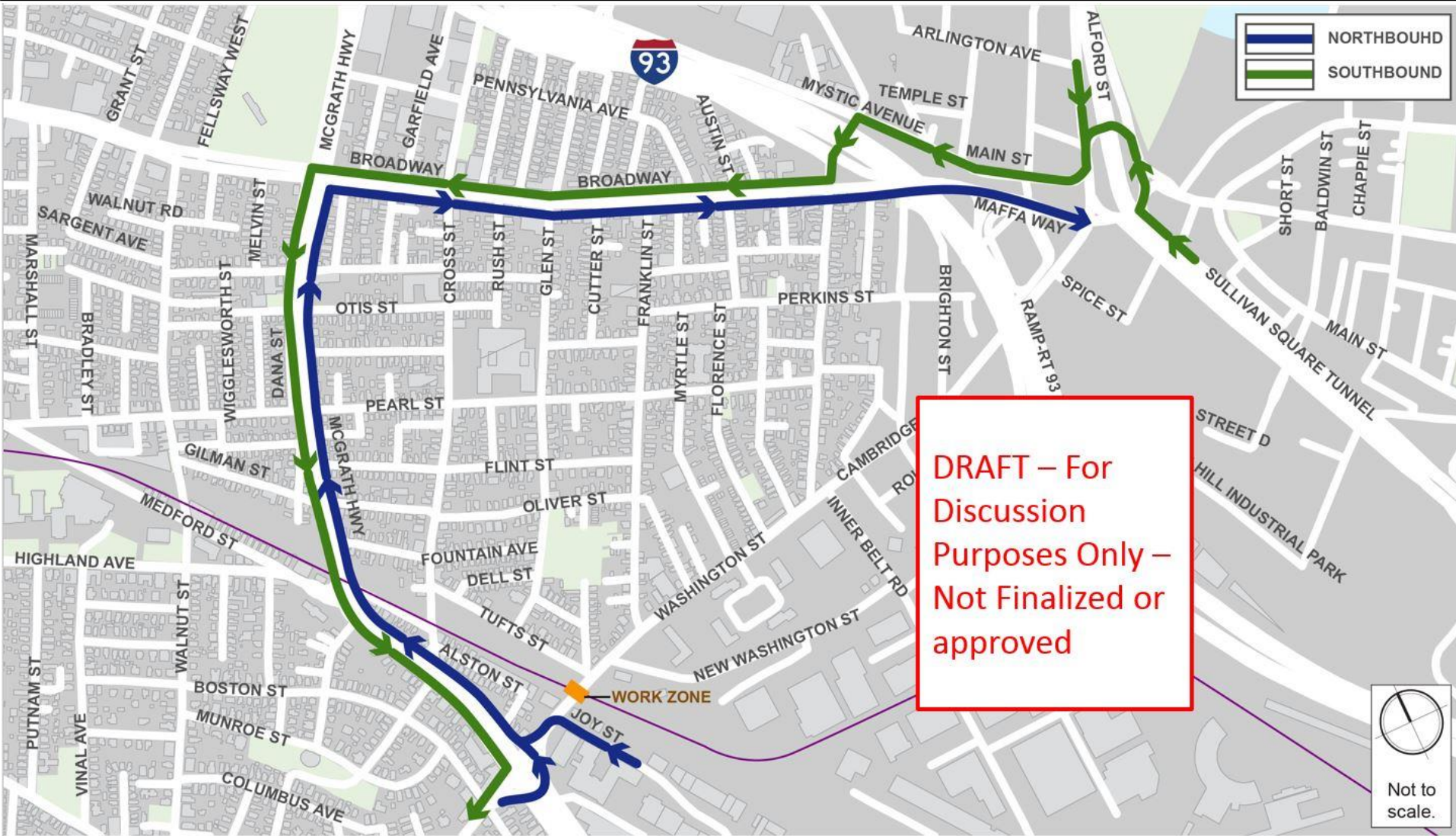
**Washington Street Bridge –
(Targeting Phase I – Early to Late 2019, Phase II – Spring to Fall 2020)**



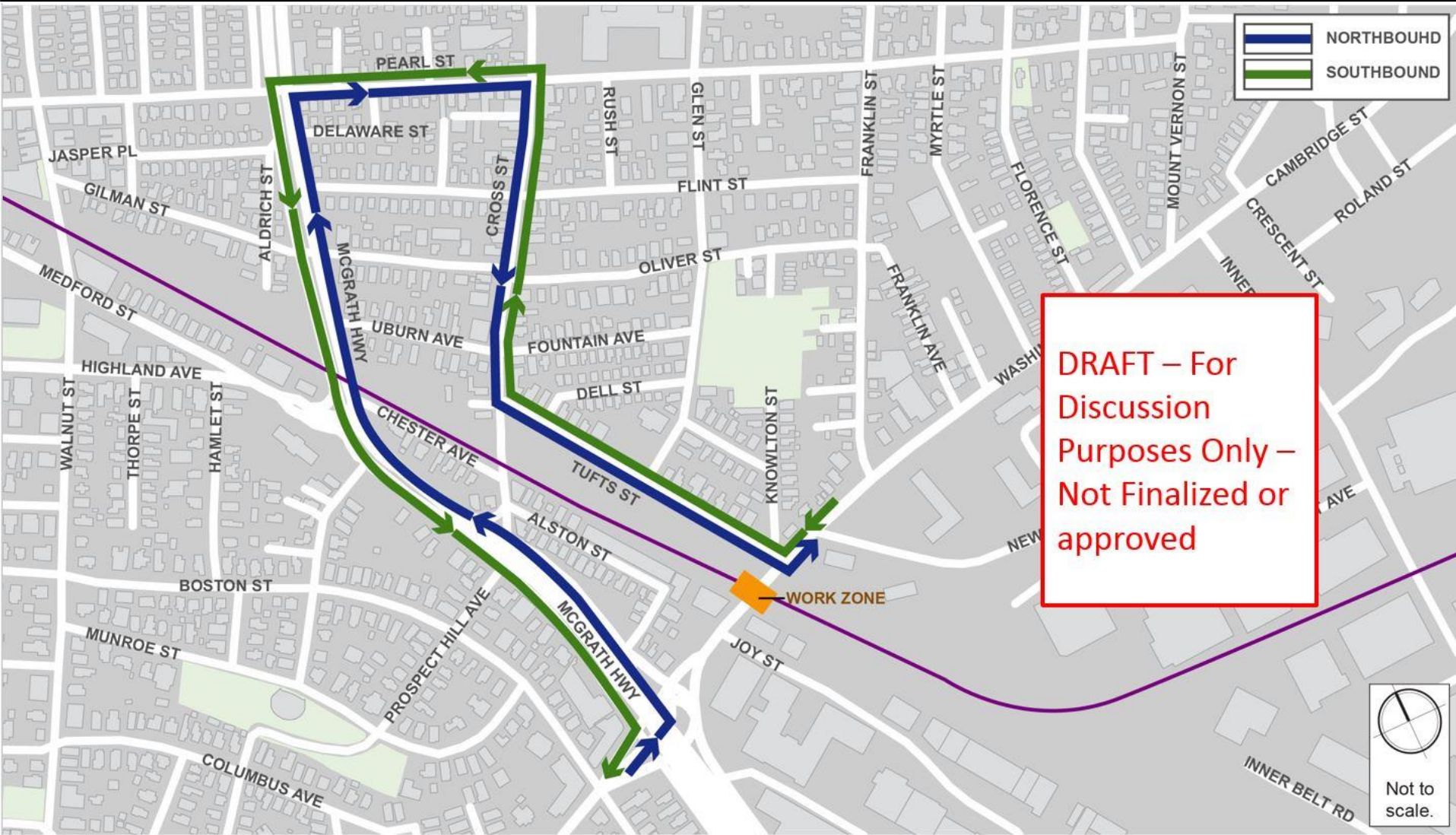
massDOT
Massachusetts Department of Transportation



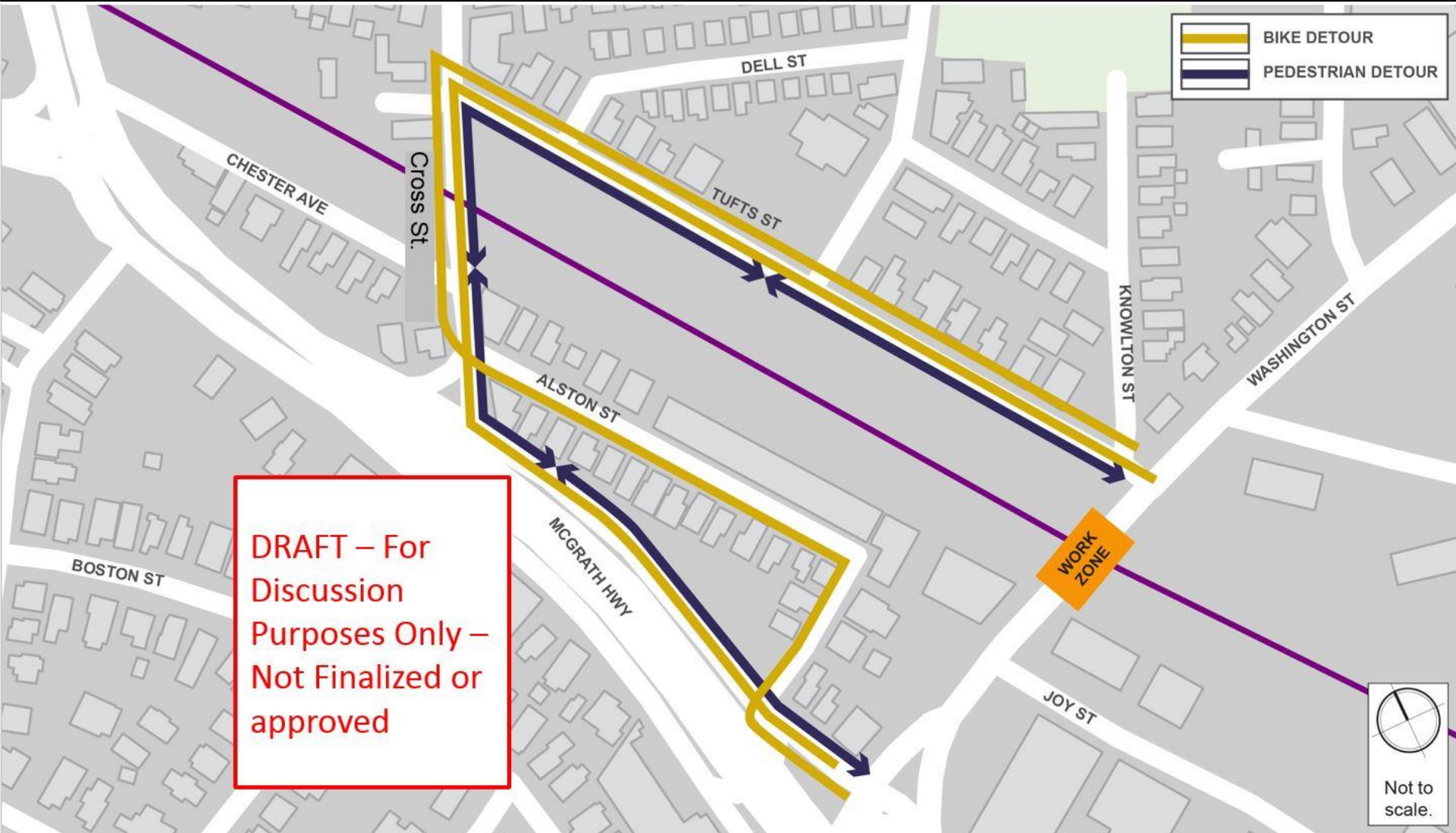
Washington St. Bridge Detours - Regional



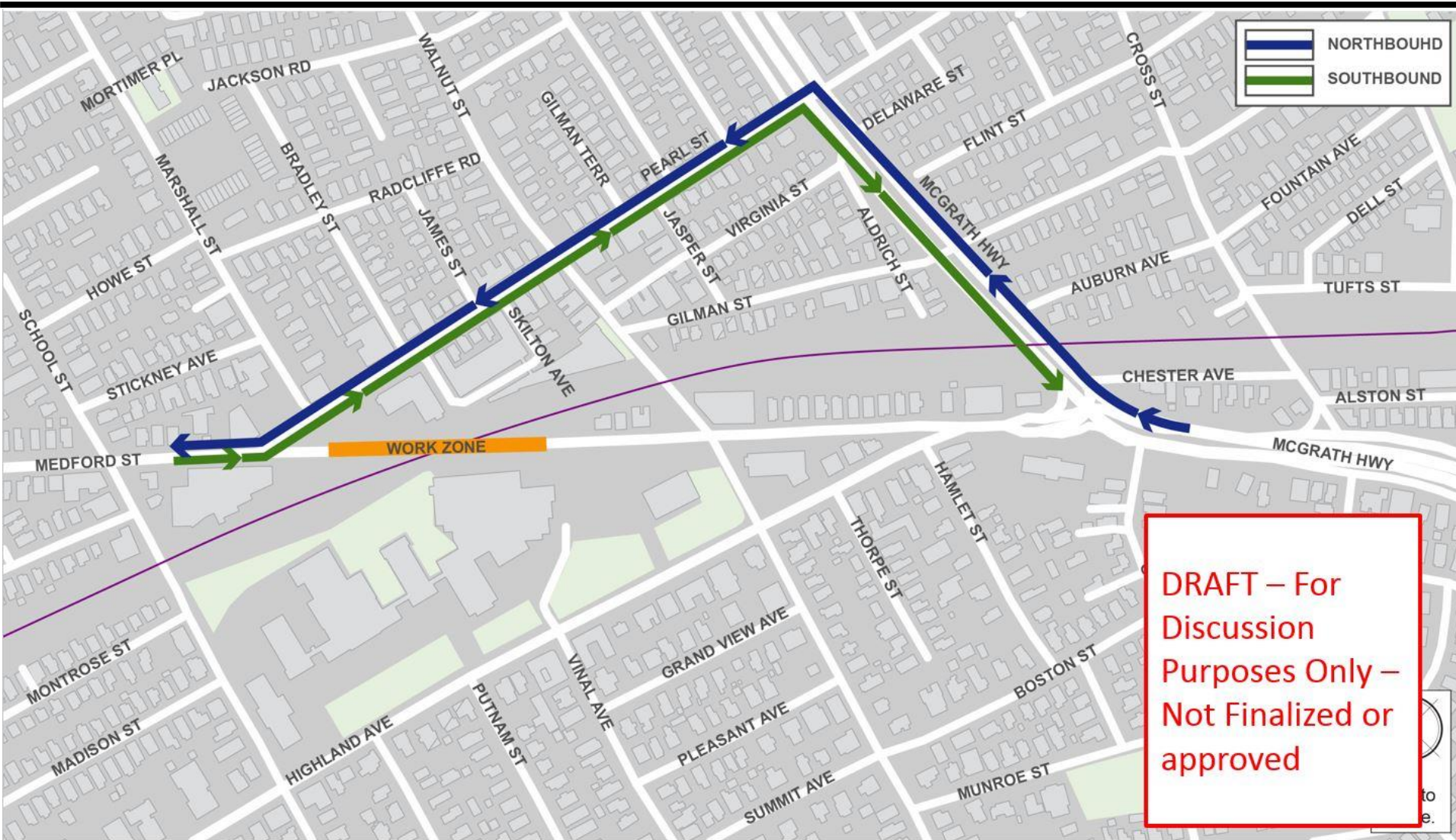
Washington St. Bridge Detours – Local



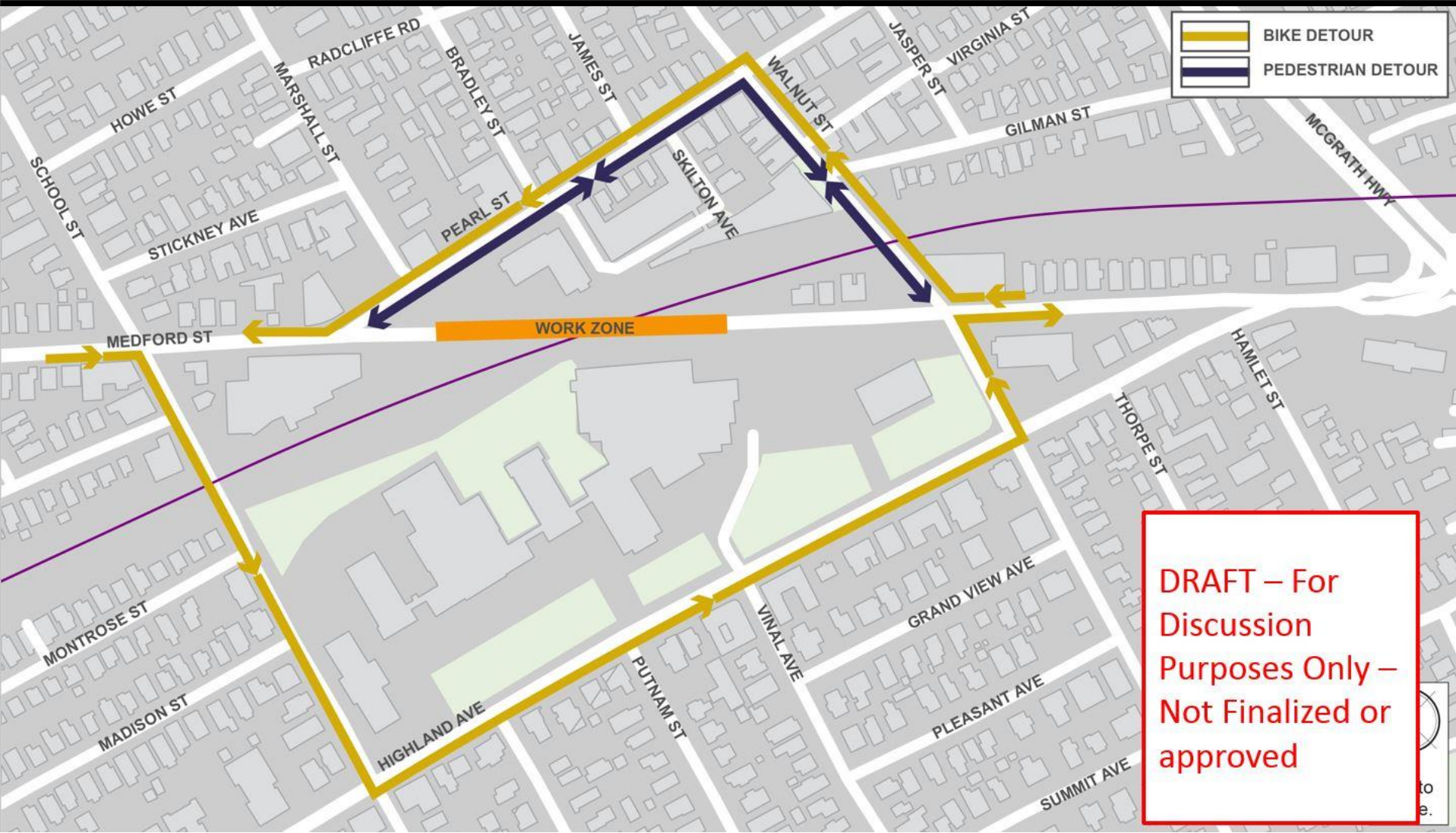
Washington St. Bridge Detours – Peds/Bikes



Medford Street Bridge Detour - Traffic

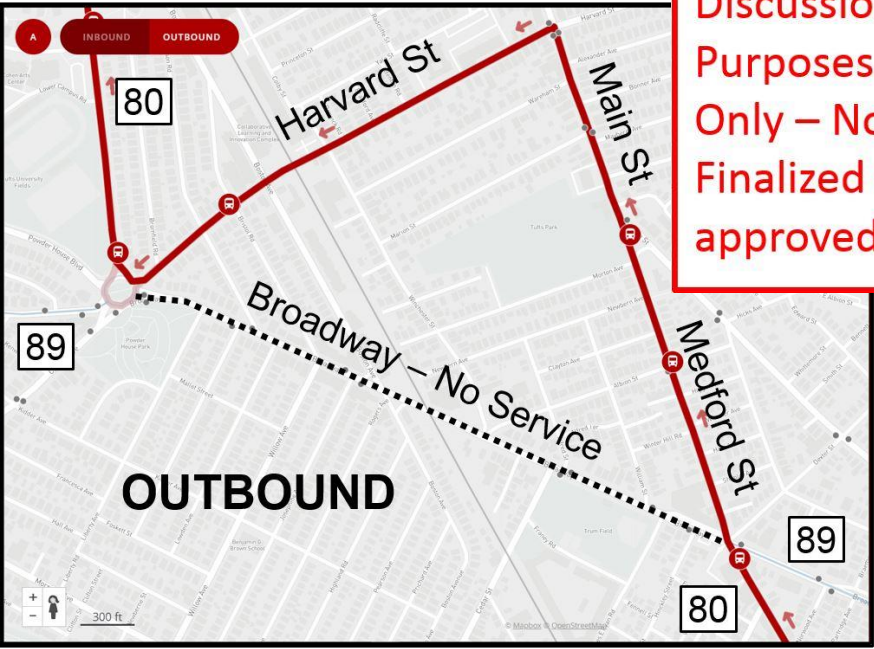
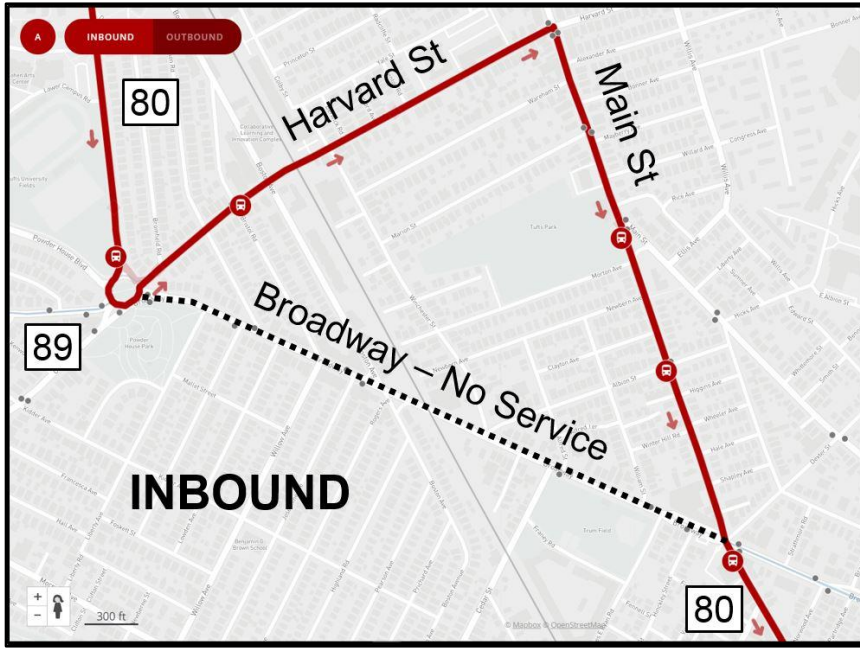


Medford Street Bridge Detour – Peds/Bikes



Broadway Bridge Detours – MBTA Bus Routes 80, 89

Option 1 – Diversion via Warner, Harvard, Main, and Medford Streets (80 & 89)



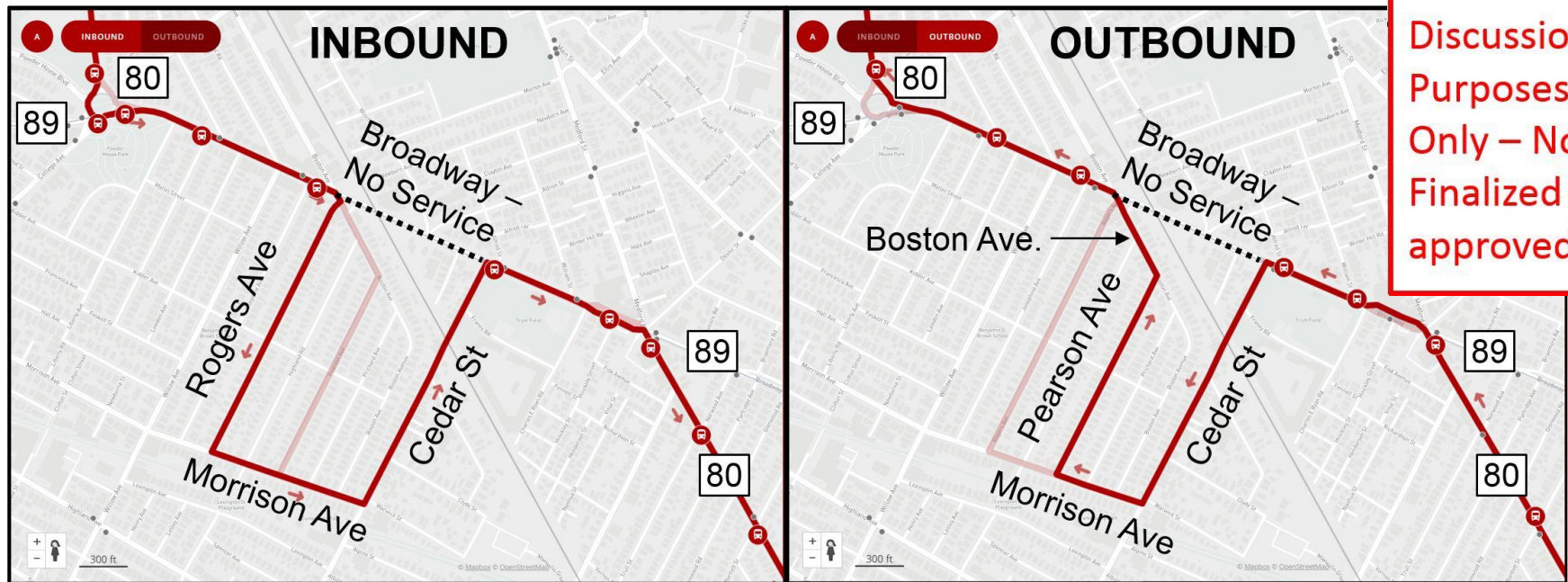
DRAFT – For Discussion Purposes Only – Not Finalized or approved

8-10 minutes extra travel time, multiple stop closures, but most straightforward to implement



Broadway Bridge Detours – MBTA Bus Routes 80, 89

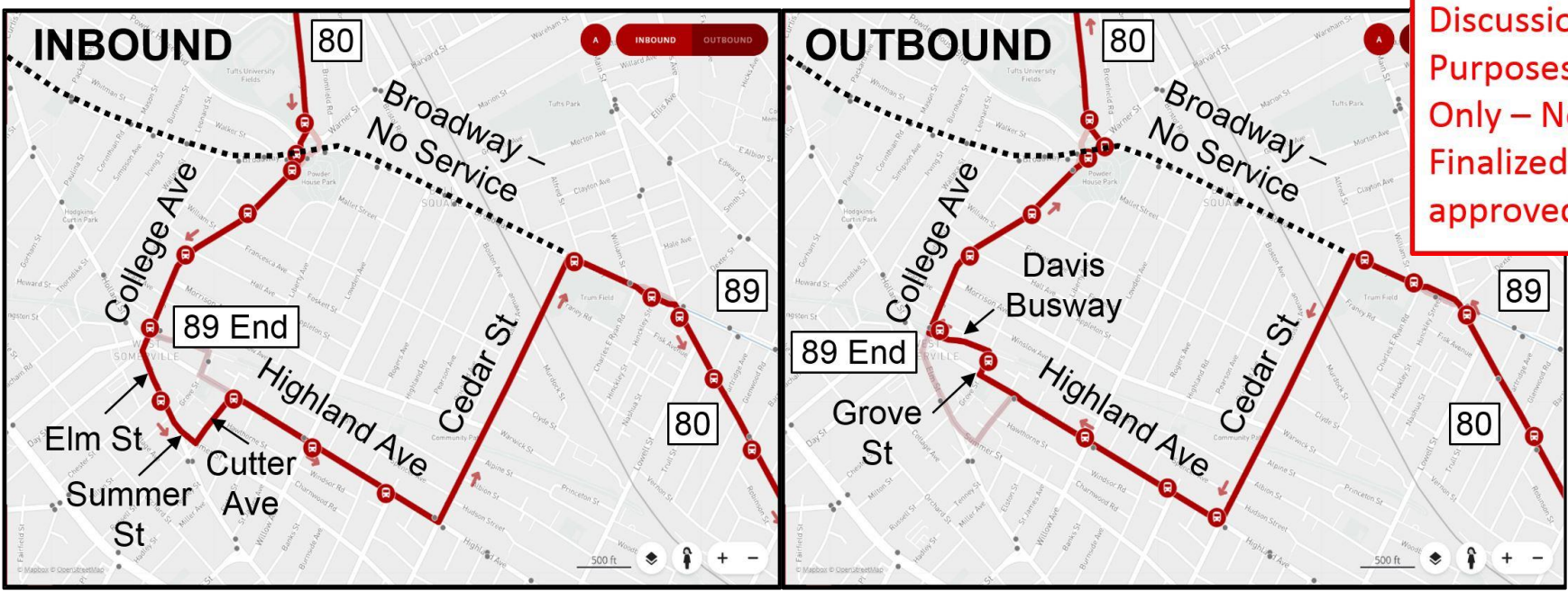
Option 2 – Diversion via Boston Ave., Rogers/Pearson Aves., Morrison Ave., and Cedar Street



4-6 minutes extra travel time, no stop closures, but more complex implementation

Broadway Bridge Detours – MBTA Bus Routes 80, 89

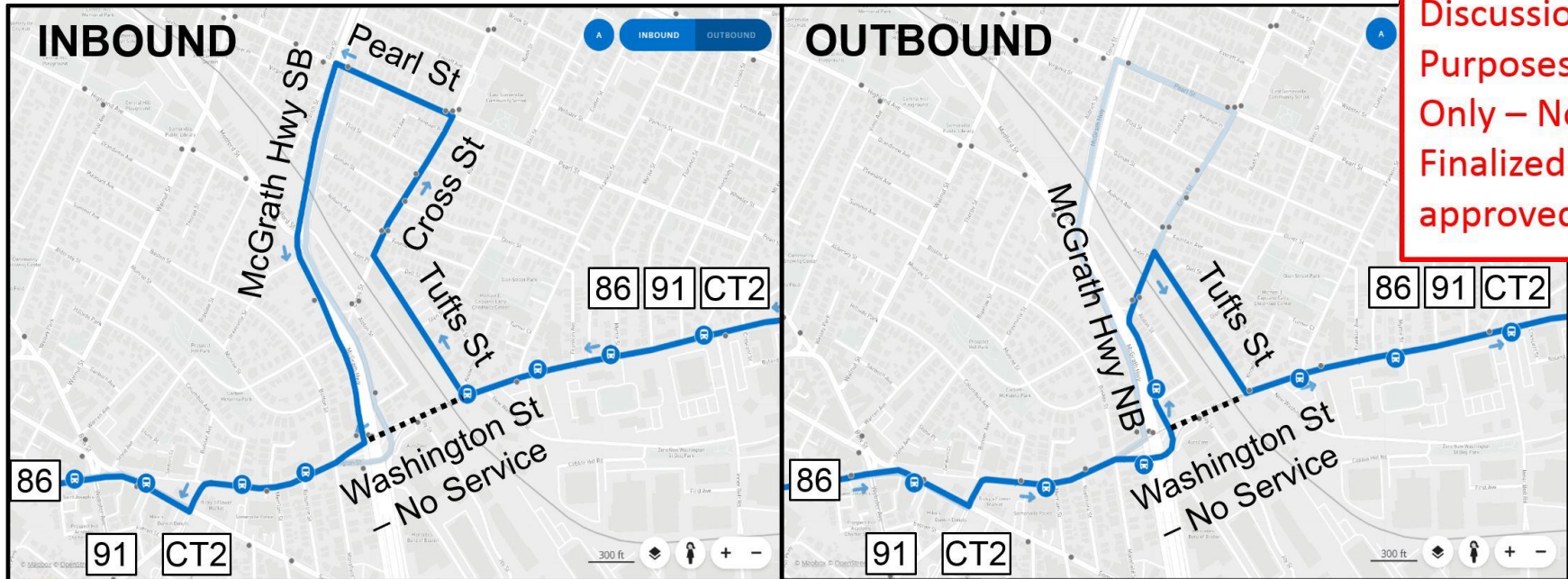
Option 3 – Diversion via Davis Square, Highland Ave., and Cedar St. (80 & 89)



10-15 minutes extra travel time, multiple stop closures, complex scheduling and implementation

Washington St. Bridge Detours – MBTA Bus Routes 86, 91, CT2

Diversion via Tufts St., Cross St., Pearl St., and McGrath Hwy.



5-10 minutes extra travel time, limited stop closures, reasonably straightforward implementation

GLX Community Working Group

Public Comments

info@GLXinfo.com



massDOT
Massachusetts Department of Transportation

