



Traffic Engineering 2023 Update

Somerville Bicycle Advisory Committee

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2023 Traffic Engineering Goals

Unmarked crossing locations with curb ramps shown below



Wesley Park @ Otis St



W Quincy St @ Bailey St

- Develop Draft Street Design Policies
- Paint unmarked crosswalks where existing curb ramps exist
- Continue implementing “Daylighting”
 - Also known as “Clear Corners”
- Traffic Signal Improvements
 - Pedestrians
 - Bicyclists
 - Transit Signal Priority
 - Emergency Preemption

Draft Street Design Policy Topics

Crosswalks with both Crosswalk & Impact Recovery Signs



Broadway @ Glen St / Michigan Ave

Current Topics:

- No Turn on Red Signs
- Pedestrian Impact Recovery Signs
- Speed Humps

Upcoming Topics:

- Crosswalk Signage
- Rectangular Rapid-Flashing Beacons (RRFBs)

Daylighting Implementation Strategy

Daylighting is also known as Clear Corners

Focus on High Crash Locations first

- Starting with the Broadway corridor

Incorporate into all new projects

- Reconstruction projects
- Repaving projects

Future Prioritization

- Land uses
- Neighborways

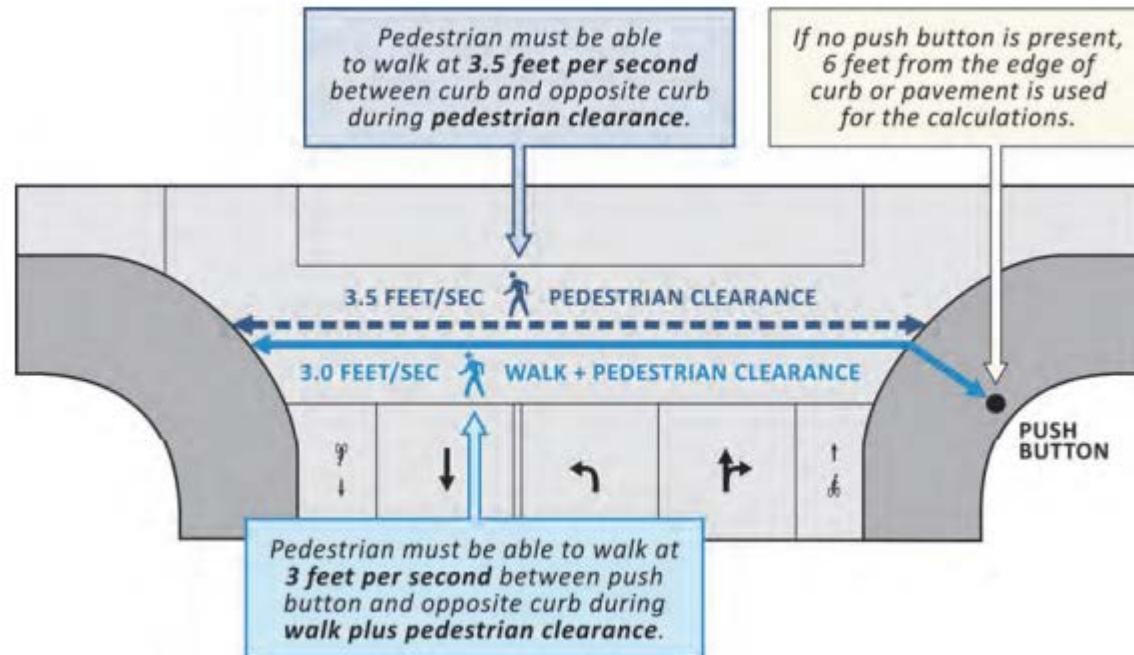


Daylighting at Belknap St & Broadway

Traffic Signals: Pedestrian Upgrades

Pedestrian Signal Improvement Priorities:

- Accessible Pedestrian Signals (APS)
- Countdown Timers
- Retiming signals



NCHRP Signal Timing Manual Exhibit 6-19 Pedestrian Interval Requirements based on Walking Speed

Replace Antiquated Equipment



With Fully Accessible Equipment



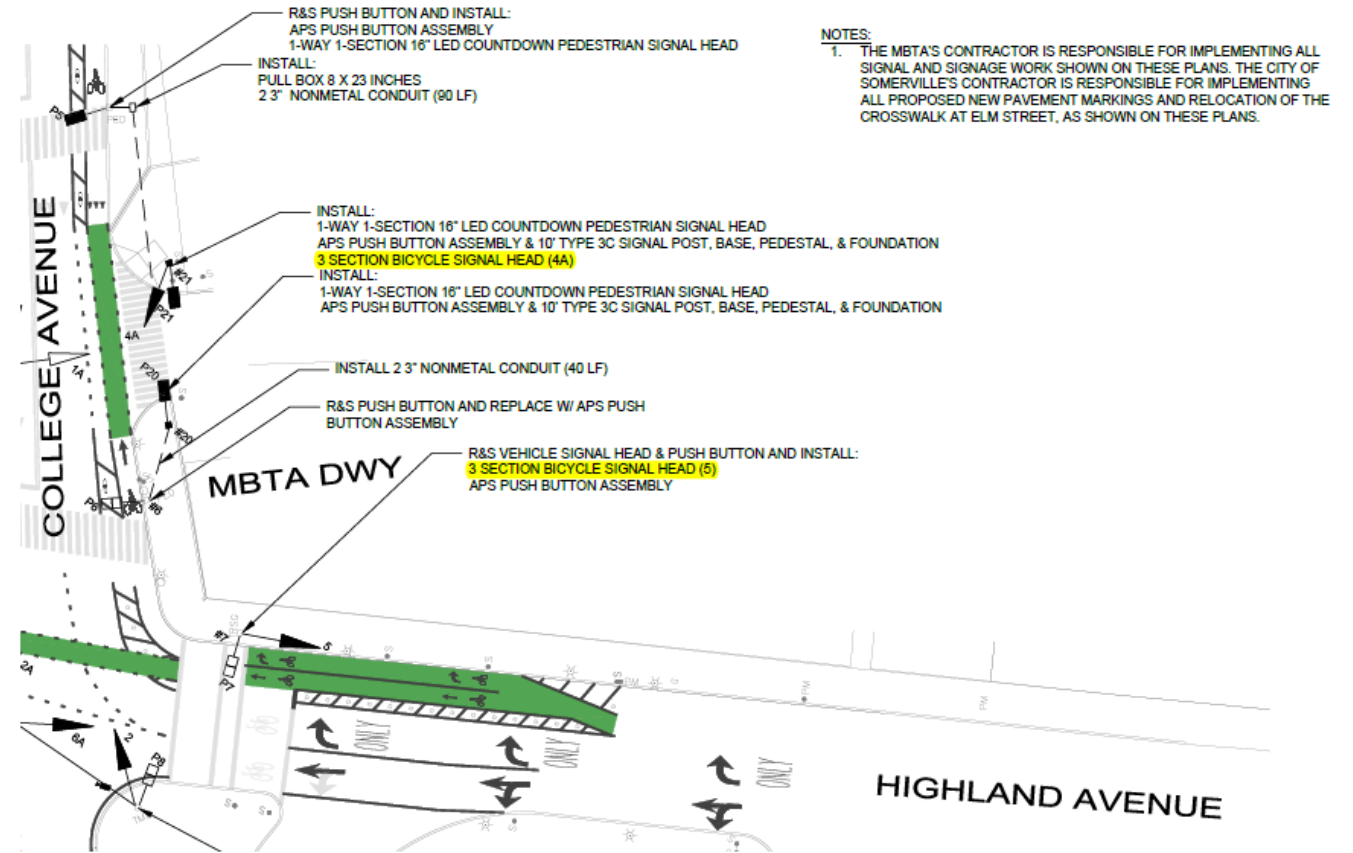
Traffic Signals: Bike Signal Upgrades

Upcoming Bike Signal Changes:

- Washington St & Inner Belt
- Davis Sq

Considering Bike Signals at:

- Somerville Ave & Washington St & Webster Ave
- Grand Union Blvd & Revolution Dr



May 2022 Davis Sq Signal Plan Sheet

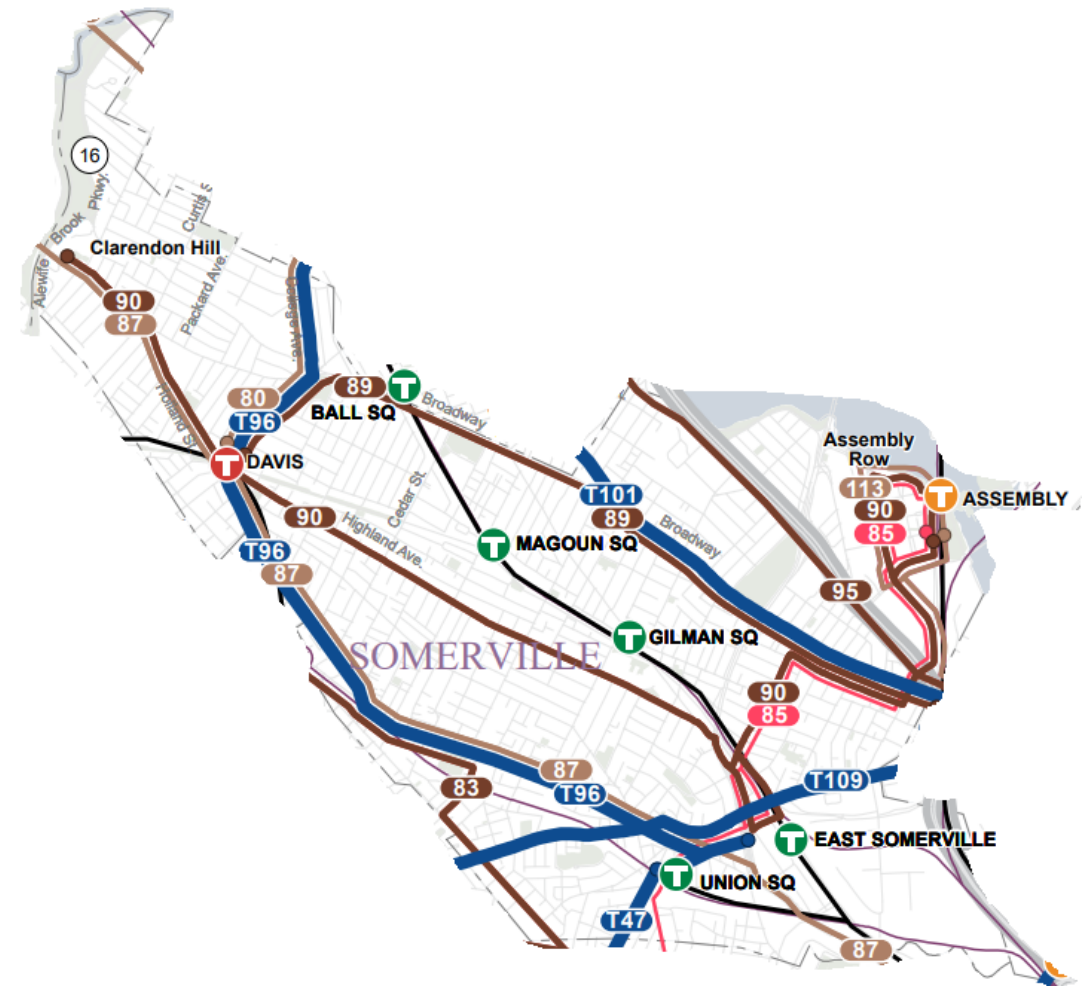
Traffic Signals: Transit Signal Priority (TSP)

Transit Signal Priority Upgrades:

- Broadway at Main St, School St, Temple St, and Cross St
- Washington St & Inner Belt Rd

New Transit Signal Priority planned for:

- Davis Sq
- Union Sq
- Assembly Sq



Fall 2022 MBTA Bus Network Redesign Map in Somerville