

City of Somerville, Massachusetts



Bicycle Advisory Committee

Joseph A. Curtatone
Mayor

February 22, 2011



Innovative Bicycle Improvement Proposals 2011





Agenda

- Introductions
- Purpose and goal of meeting
- 2010 accomplishments
 1. On-Street Bike Rack Program
 2. 10 for 2010 Bike Facilities
 3. Bike-Ped Count Program
- Innovative facilities proposals
 1. Bike Friendly Community
 2. Bicycle Priority Street Reconstruction
 3. Wayfinding Plan
 4. Beacon Street Cycle Tracks
 5. See and Be Seen
 6. Signal Free Davis Square Trial
- SBC 2010 Annual Bike Report

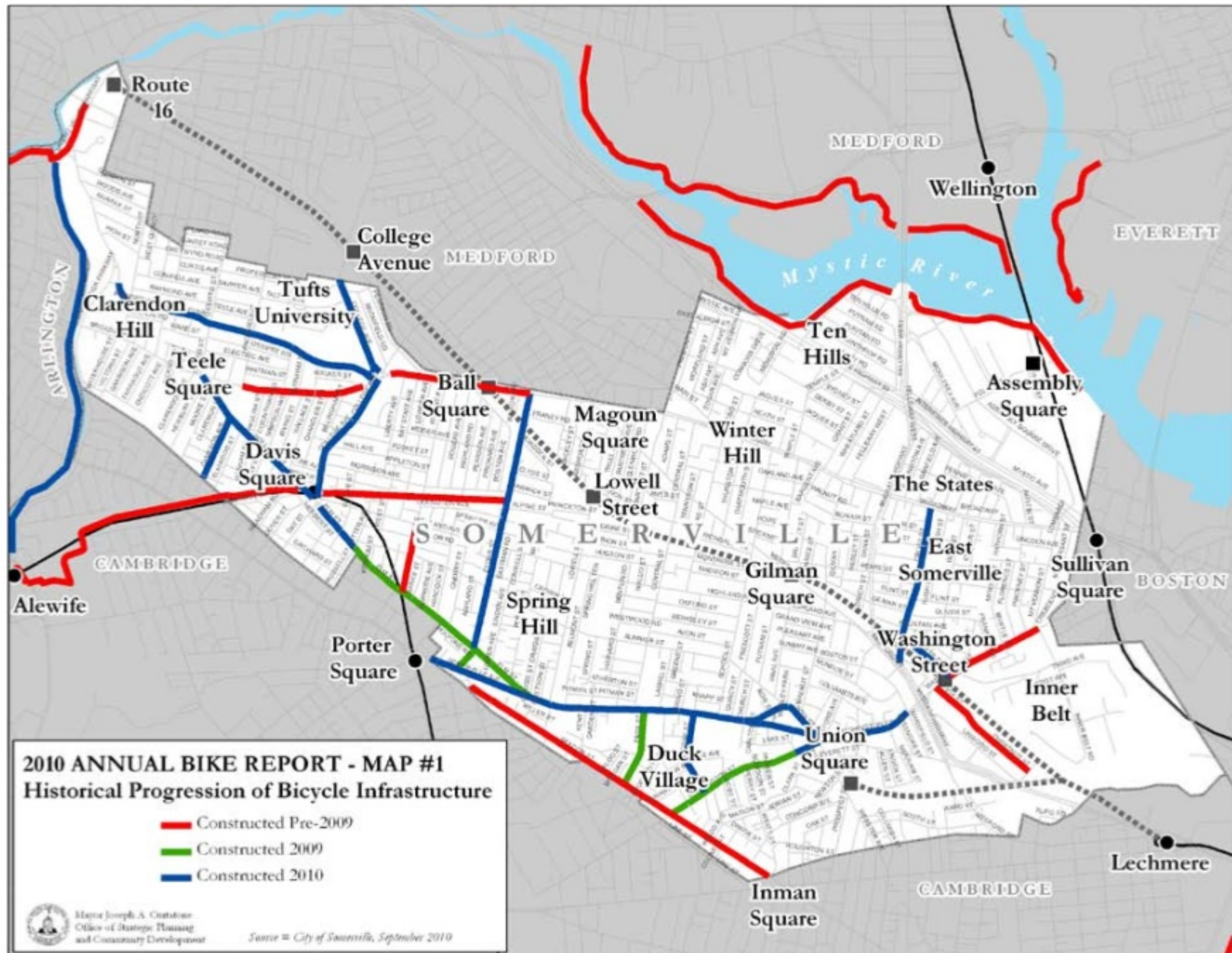


On-Street Bike Rack Program



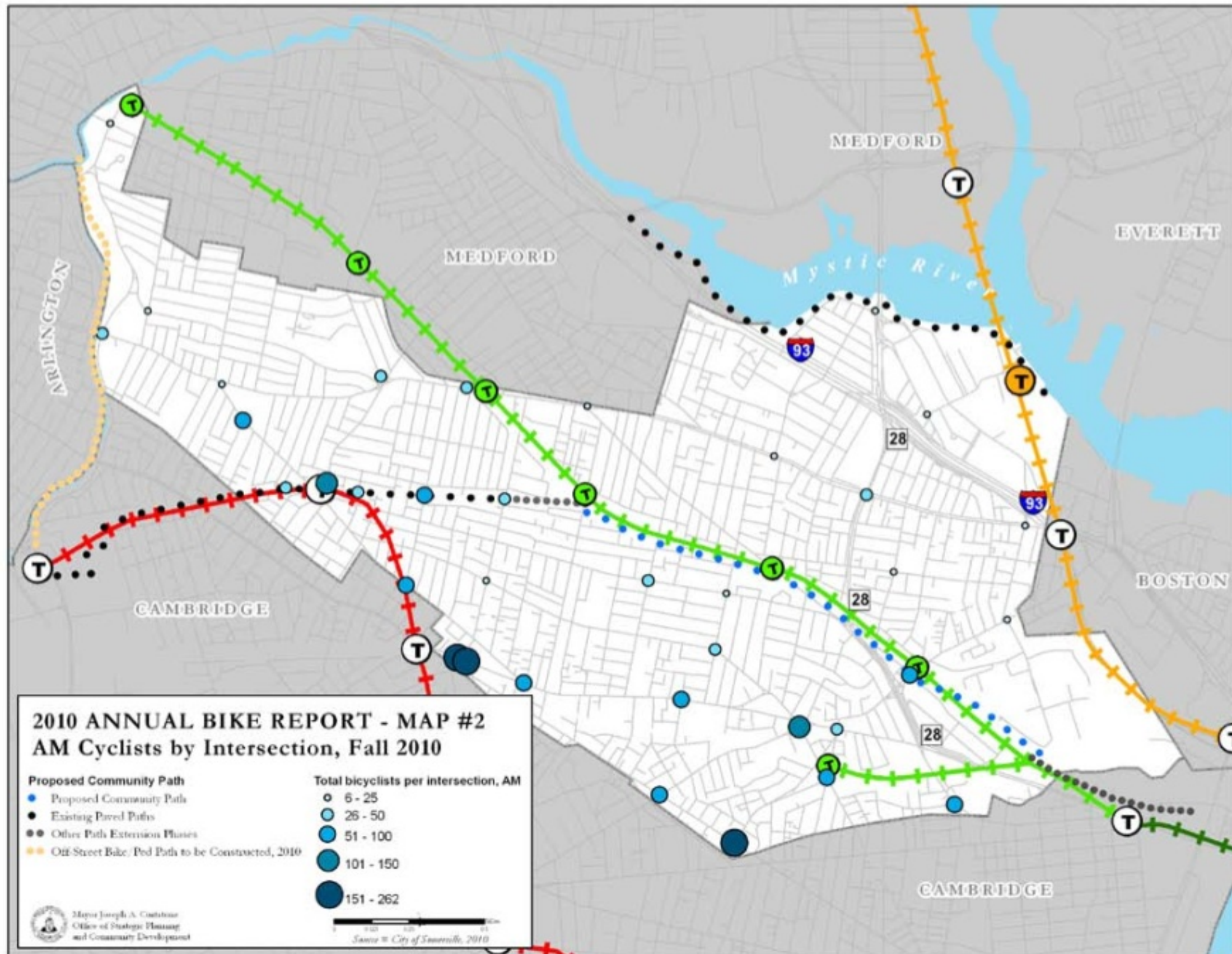


10 in 2010





Bike / Ped Count Program





Bicycle Friendly Community



The Five Es

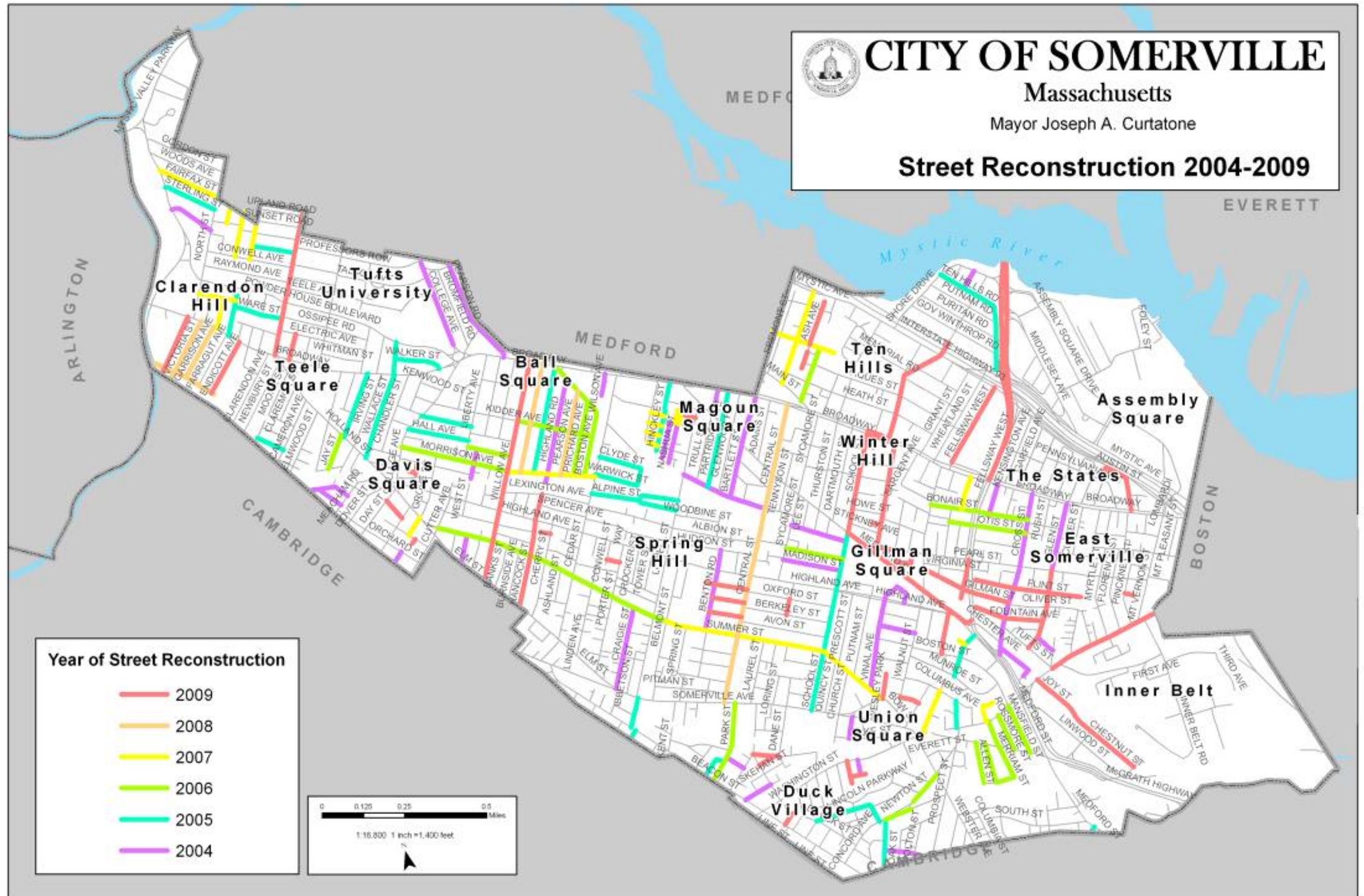
1. *Engineering*
2. *Education*
3. *Encouragement*
4. *Enforcement*
5. *Evaluation & Planning*

**LEAGUE OF
AMERICAN BICYCLISTS**





Bicycle-Prioritized Street Reconstruction





Bicycle-Prioritized Street Reconstruction





Bicycle- Prioritized Street Reconstruction

Street	From	To	Distance	Notes
Beacon St	Ivaloo St	Properzi Way	0.1 mi	Severe SB patches by AAS, SB bike lane has sudden dip 50 feet south of Scott St; Park St intersection presents Immediate Danger : potholes in and near the Park St. intersection
Medford St	Warren St	Cambridge Line	125 ft	Immediate Danger : Large potholes eastbound before train tracks
Warren St	Medford St	Cambridge Line	92 ft	Large potholes before Medford St intersection
Oxford Street	Beacon St	Cambridge Line	151 ft	Pavement patches
Mossland Street	Elm St	Somerville Ave	167 ft	Series of potholes along sharrows, pav't patches
Sacramento Street bike/ped underpass ramp	-	-	2 ft	Spalled concrete pothole on east ramp (by Somerville Ave)
Washington St	Beacon St	Dane St	400 ft	Pavement patches
Somerville Ave	Mansfield St	Medford St	282 ft	Eastbound near Target
Beacon St	Calvin Street	Washington St	400 ft	Northbound bike lane: large patches
Webster Ave	Union Sq	Newton St	636 ft	Right lane
Dane Street	Tyler Street	Somerville Ave	276 ft	Northbound side pav't patches
Museum St	Beacon St	Cambridge Line	210 ft	Pav't torn up with patches
Cedar Street	Albion St	Elm St	0.4 mi	Bike lane is torn up with pav't patches
Medford St at Ward St	-	-	151 ft	
Boston Ave at Mystic Valley Pkwy (Rt 16)	-	-	85 ft	Recessed pavement at westbound approach to intersection.
Mystic Ave	McGrath Hwy	Shore Dr & apts	0.5 mi	Rough pavement with many potholes and uneven patches.
Cross Street bridge over MBCR tracks	-	-	138 ft	Lots of rough patches.
Bow St	Warren Ave	Somerville Ave	0.2 mi	
Walnut St	Bow St	Aldersey St	0.1 mi	



Wayfinding Signage



D1-1



D1-1a



D1-1b



D1-1c



D1-3b



D1-3c



M1-8



M1-8



M1-8



M5-1



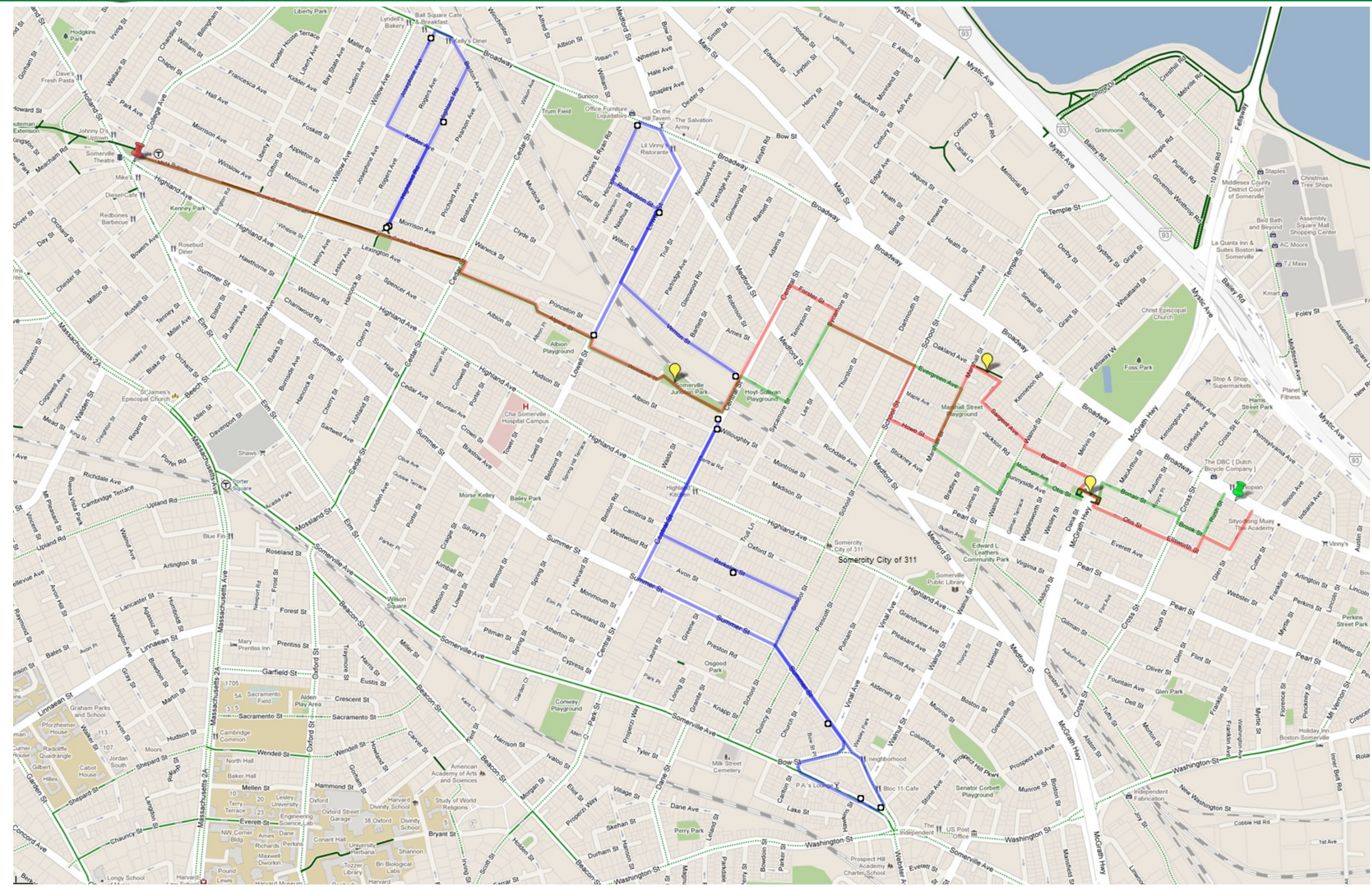
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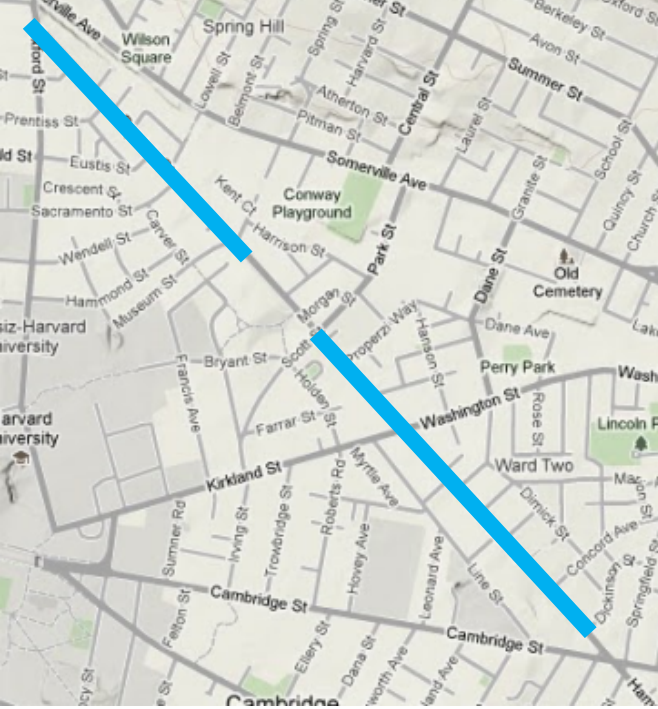


M6-1



Initial Routes

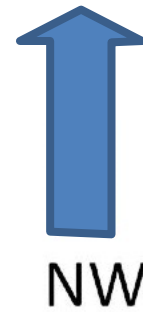




Beacon Street

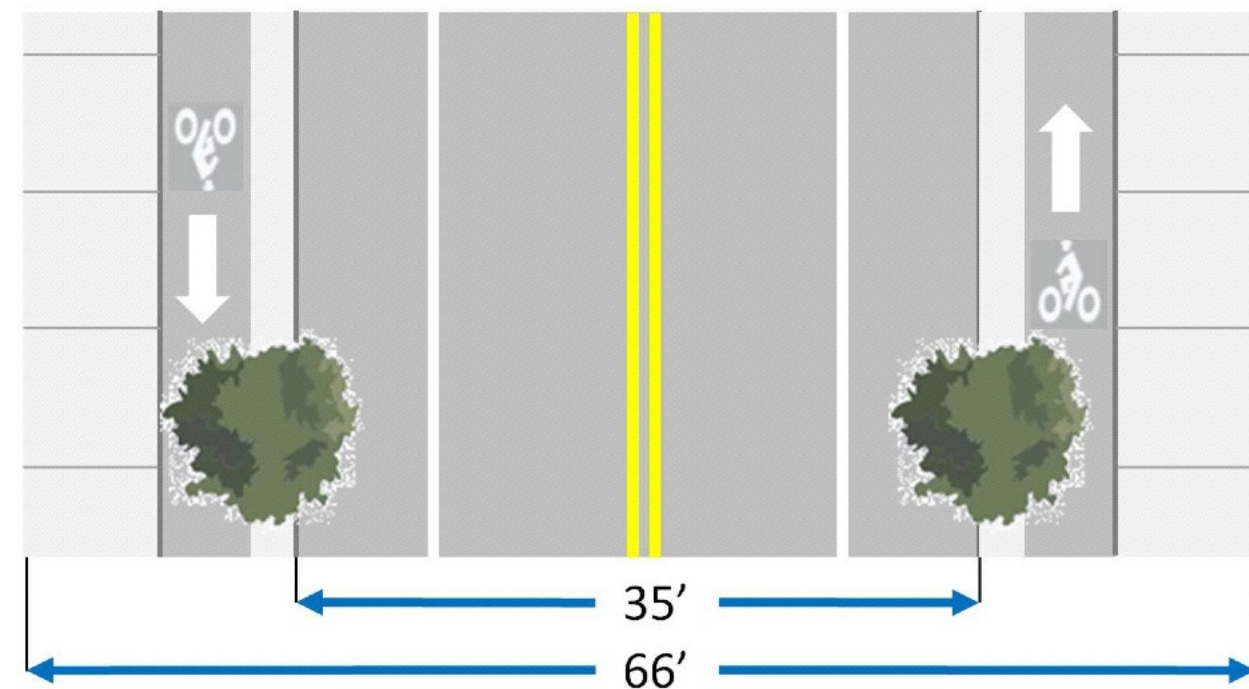
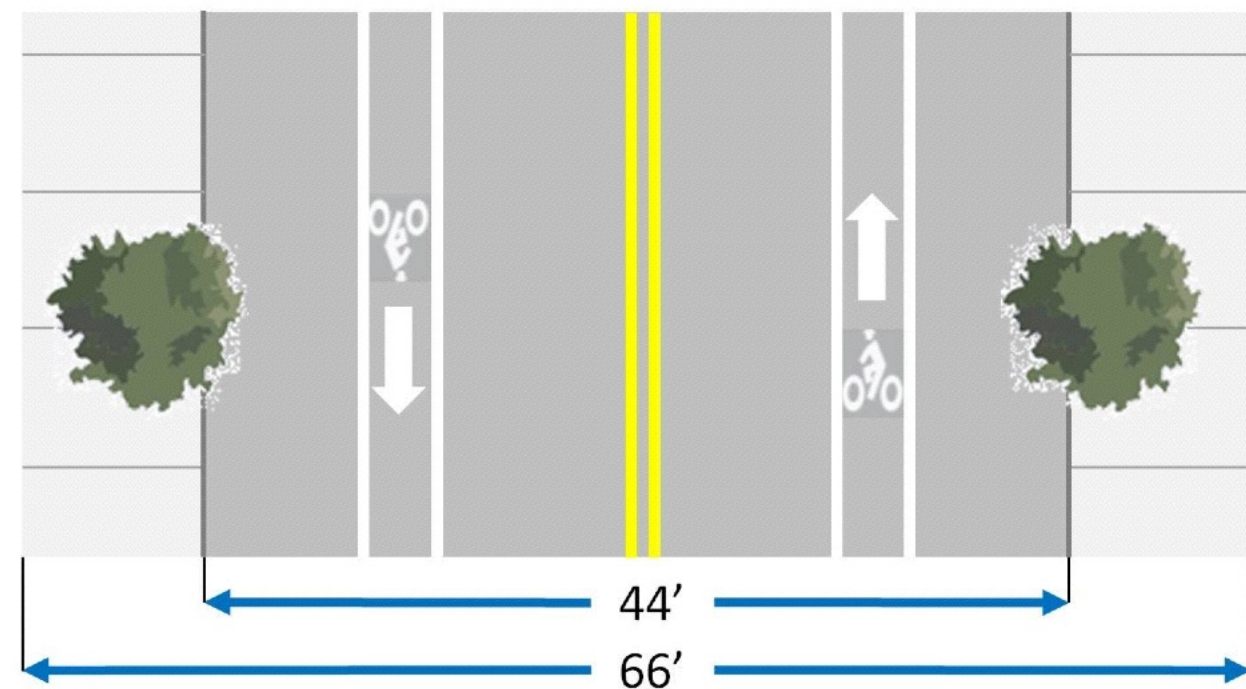
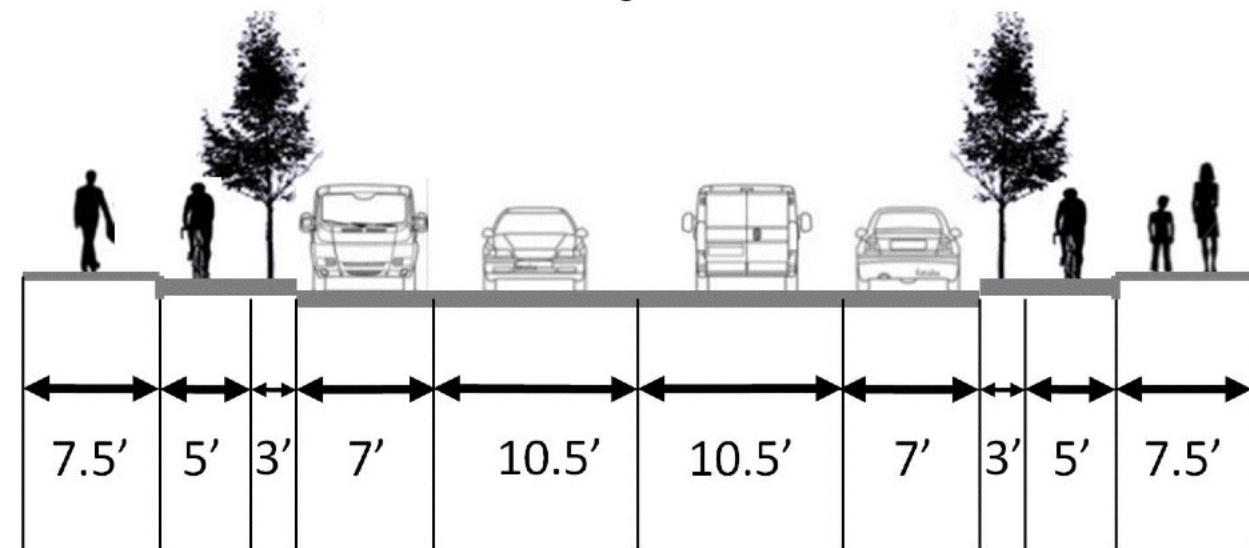
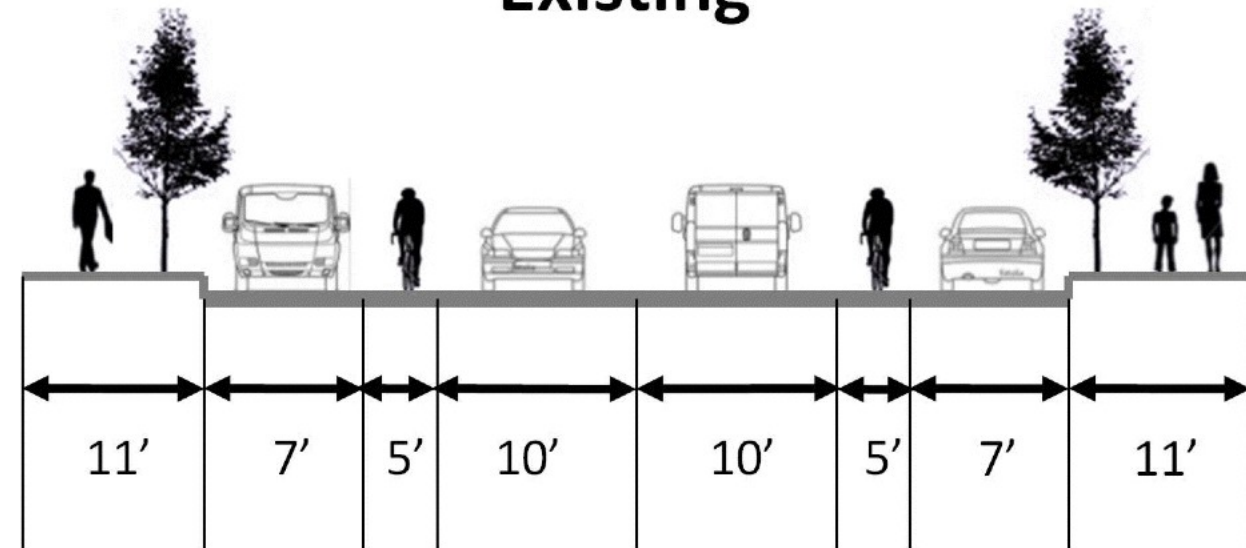
Somerville Ave to Museum St,
Park St to Inman Sq

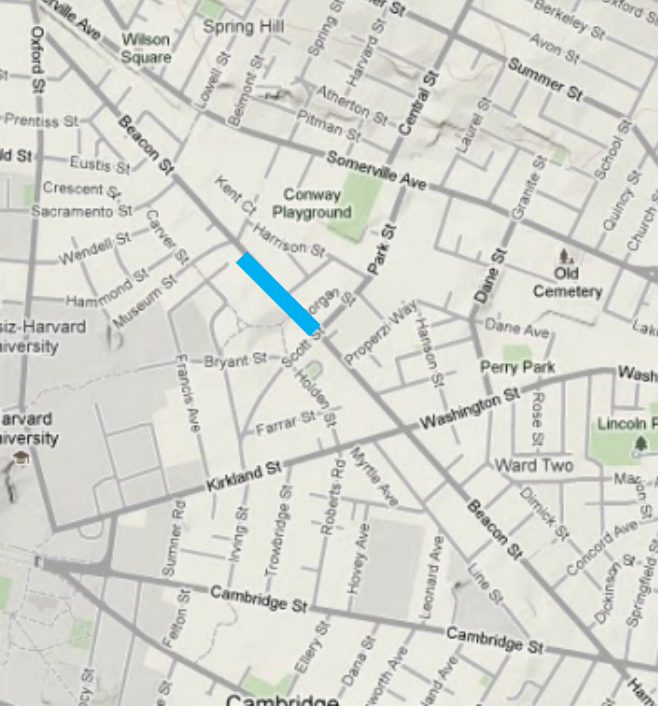
Existing



NW

Proposed



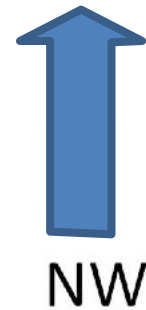
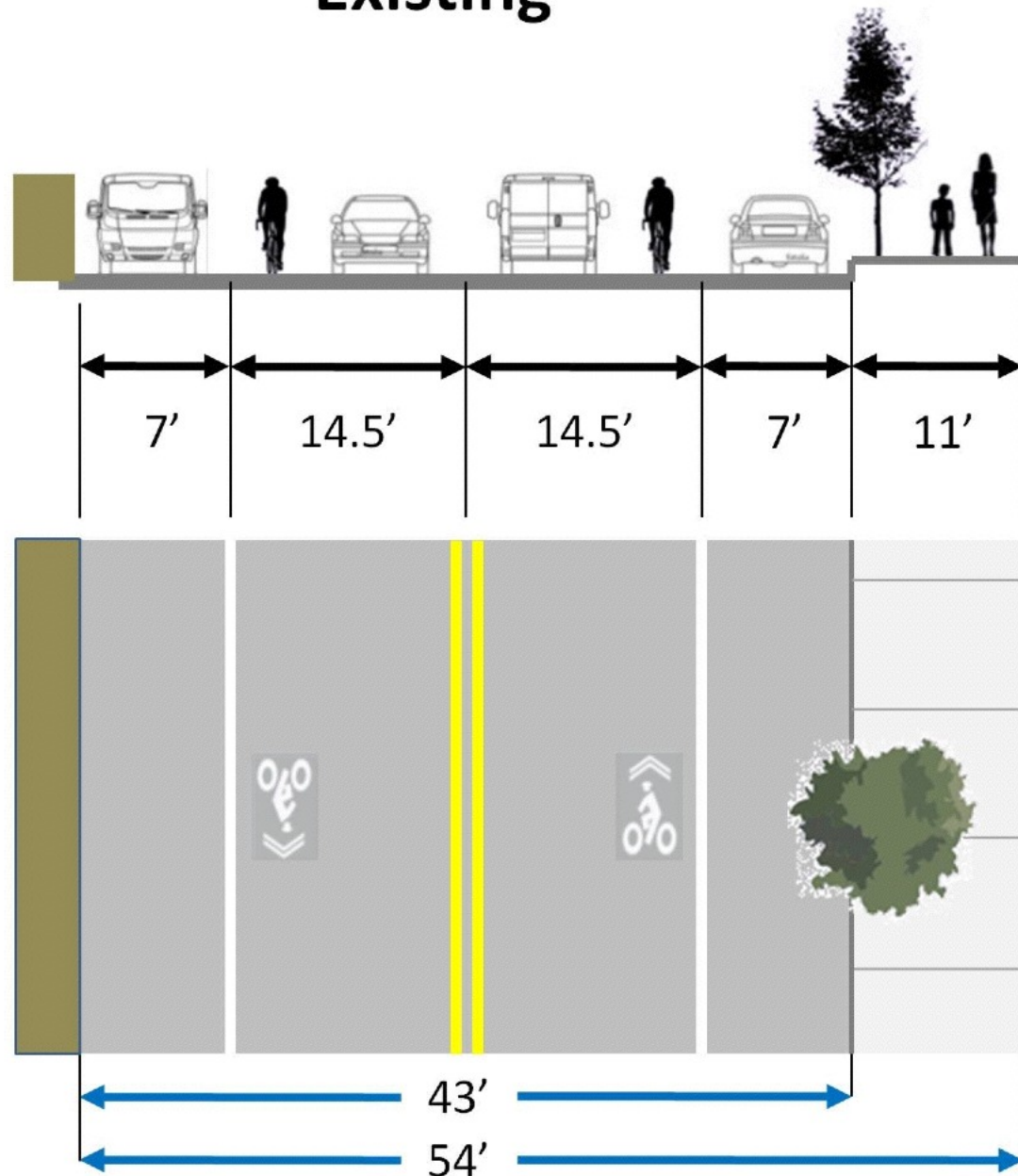


Beacon Street

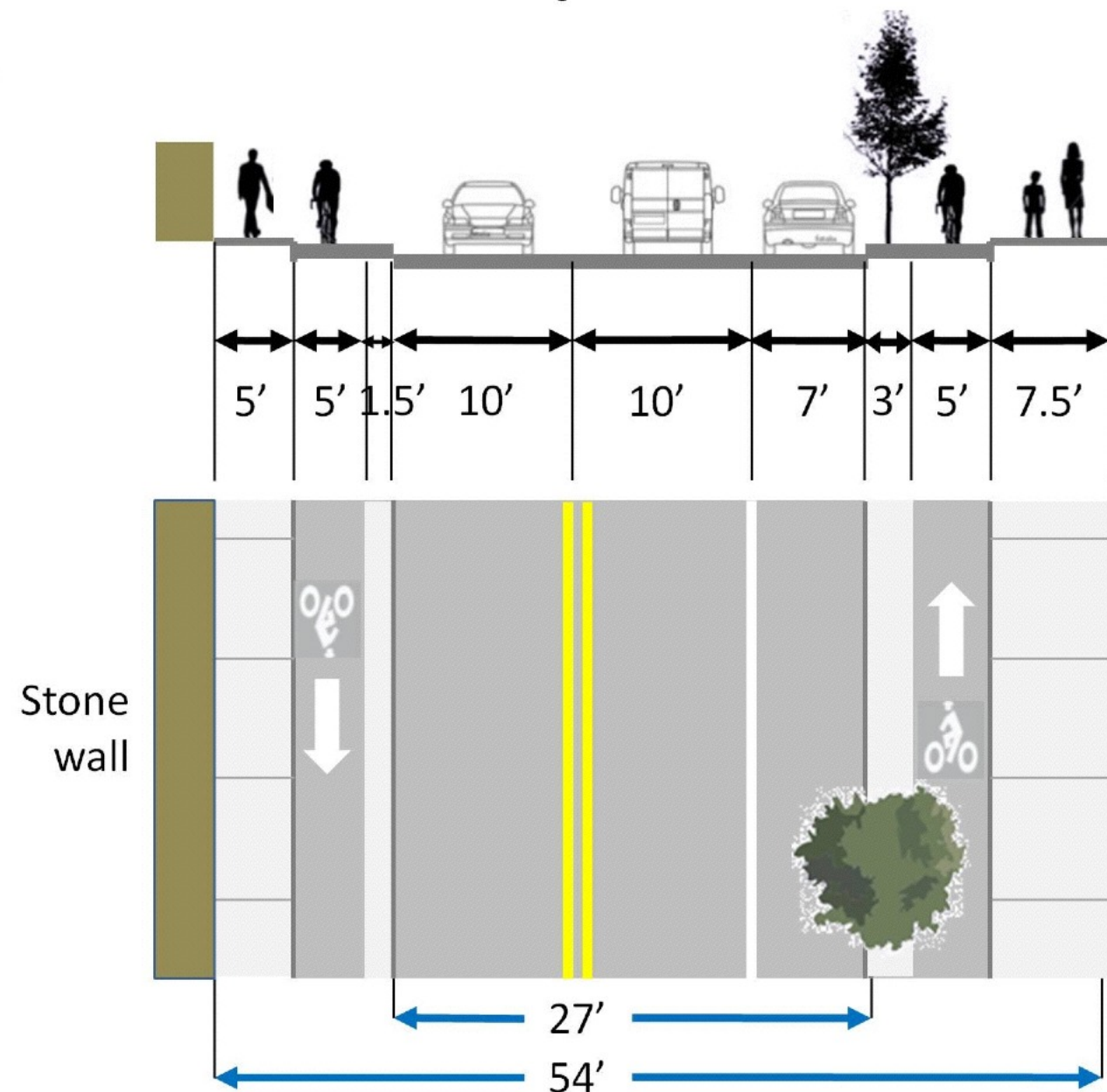
Museum St to Ivaloo St*

*between Ivaloo & Park Sts, sidewalks each gain 2.5'

Existing



Proposed

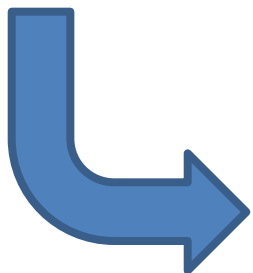




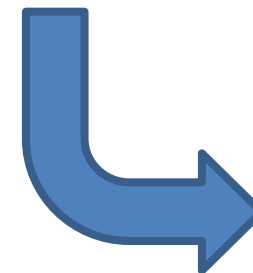
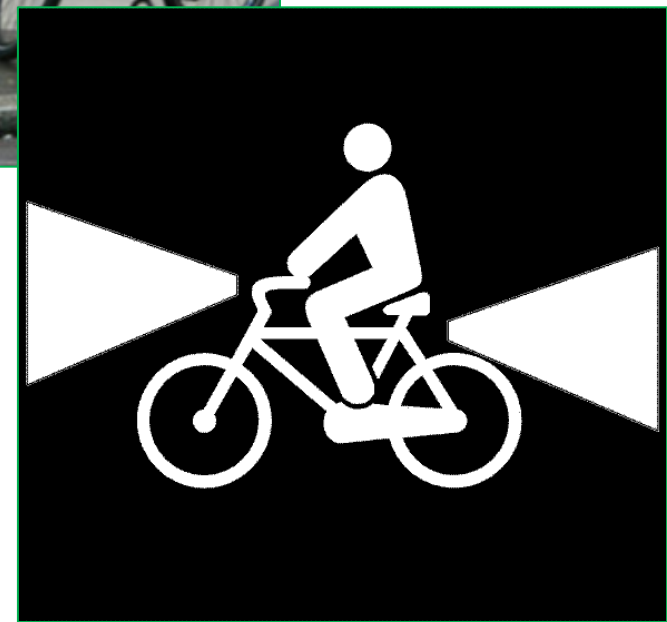
“See and Be Seen”

- Target the safety issue of bicyclists' visibility at night
- Riding at night without legally required reflectors and lights is *dangerous*
- Partner with police volunteers to intercept violators at key locations
- Issue warnings (educational) + basic reflectors and/or headlights for *immediate* use

PROBLEM:



PROPOSAL:





Signal Free Davis Square Trial

What is it?

- Intersection where all signals & signs are covered
- Signage before intersection: “No signals ahead. Yield to pedestrians. Drive with care.”
- Pedestrians have the right of way
- Bicyclists and motor vehicles must drive slowly to navigate the intersection



Signal Free Davis Square Trial

How would it work?

- Announcement signage for Trial two weeks prior
- Signals would be covered for one month
- Intersection monitoring to evaluate the positive and negative effects



Signal Free Davis Square Trial

Why do this?

- Increases safety for pedestrians, bicyclists, and motorists by requiring everyone to slow down and pay attention to each other
- Reduces delays for pedestrians, bicyclists, and motorists since no one is ever waiting for a traffic signal



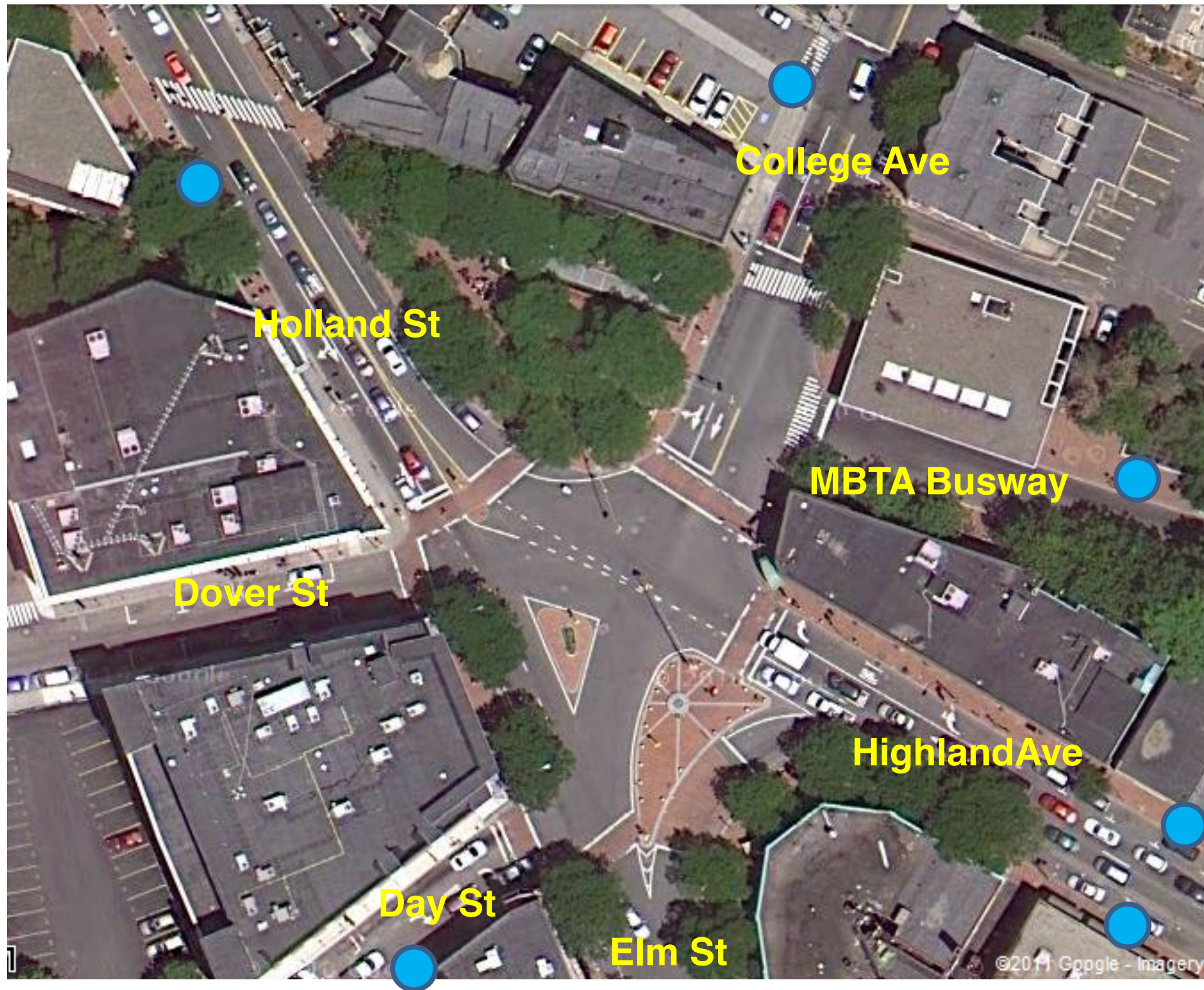
Signal Free Davis Square Trial

Are there any risks?

- May be confusing at first to some people since no one direction has the right of way
- However, in places where it has been tried previously, it has been very successful



Signal Free Davis Square Trial

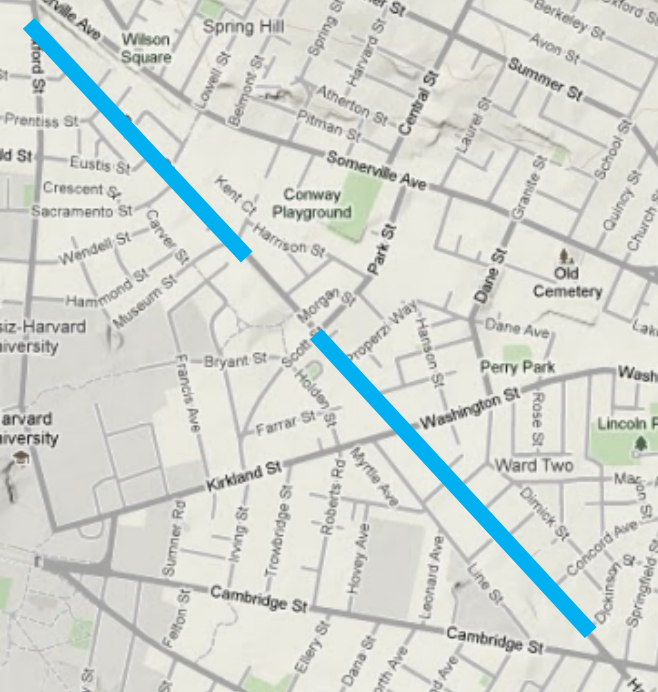


● Sign: “NO SIGNALS AHEAD. YIELD TO PEDESTRIANS. DRIVE WITH CARE.”



Questions?

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- 617/308-8600



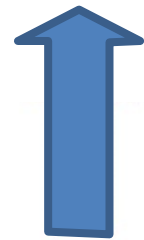
Beacon Street

Somerville Ave to Museum St,
Park St to Inman Sq

Option: 1-side parking retained

If parking is only retained on one side, there will be more room for bicyclists and pedestrians.

Existing



NW

Proposed

