

# **Centre/South Streetscape and Transportation Action Plan**

**Citizens' Advisory Committee Meeting**

**Agassiz School cafeteria  
20 Child Street, Jamaica Plain**

**Thursday, May 27, 2010**

**6:00-8:00 PM**





# Meeting Agenda

- Schedule Overview
- Updates
  - Hyde Square
  - Bicycle Accommodations
- Concept Design Areas
  - Monument Square
  - Mozart Park/JP Plaza
- Parking Analysis
- Public Comment & Next Steps



# Schedule Overview

CAC Meeting 1 – 7/15/09

>Introduction

CAC Meeting 2 – 9/30/09

>Vision Statement

CAC Meeting 3 – 11/23/09

>Streetscape Guidelines

CAC Meeting 4 – 12/16/09

>Initial design locations

CAC Meeting 5 – 1/28/10

>Concept Designs

CAC Meeting 6 – 3/23/2010

>Concept Designs

CAC Meetings 7 – 4/29/2010

>Bicycle Accommodations

CAC Meeting 8 – 5/27/2010

>Progress Design of Locations

>Parking Analysis

CAC Meeting 9 & 10

>Progress Design

>Final Design

>Draft report

>Final Report



# Meeting Agenda

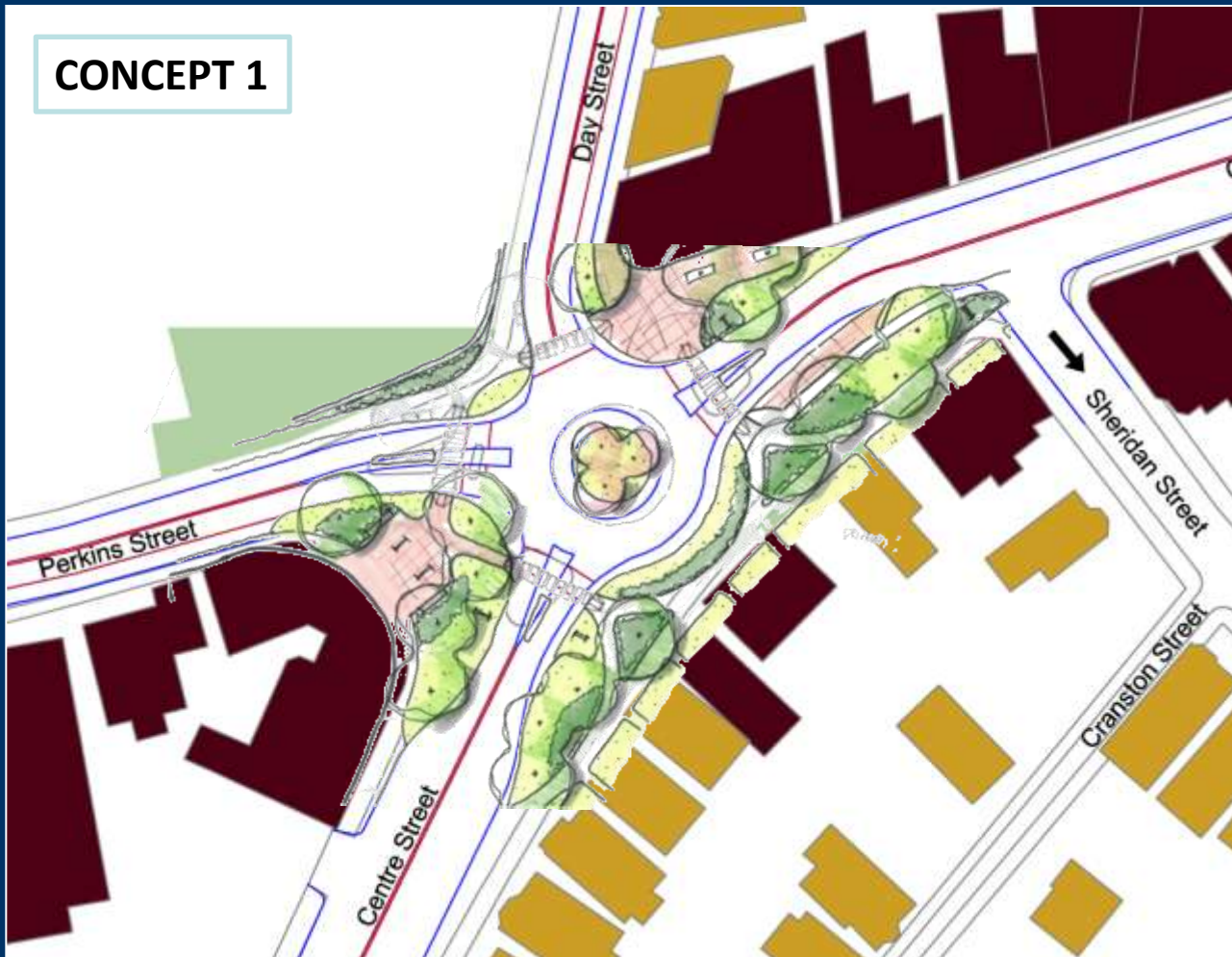
- **Schedule Overview**
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# Hyde Square

## *Selected Alternative*

CONCEPT 1





# Hyde Square

## *Local Outreach*

- **Walk Through – April 20<sup>th</sup>**
- **Meeting with Hyde/Jackson Sq. Main Streets – April 22<sup>nd</sup>**

*What we've heard through the process to date:*

- Maintain rotary
- Minimize on-street parking loss
- Ensure long-term maintenance
- Enhance pedestrian safety
- Create attractive new spaces

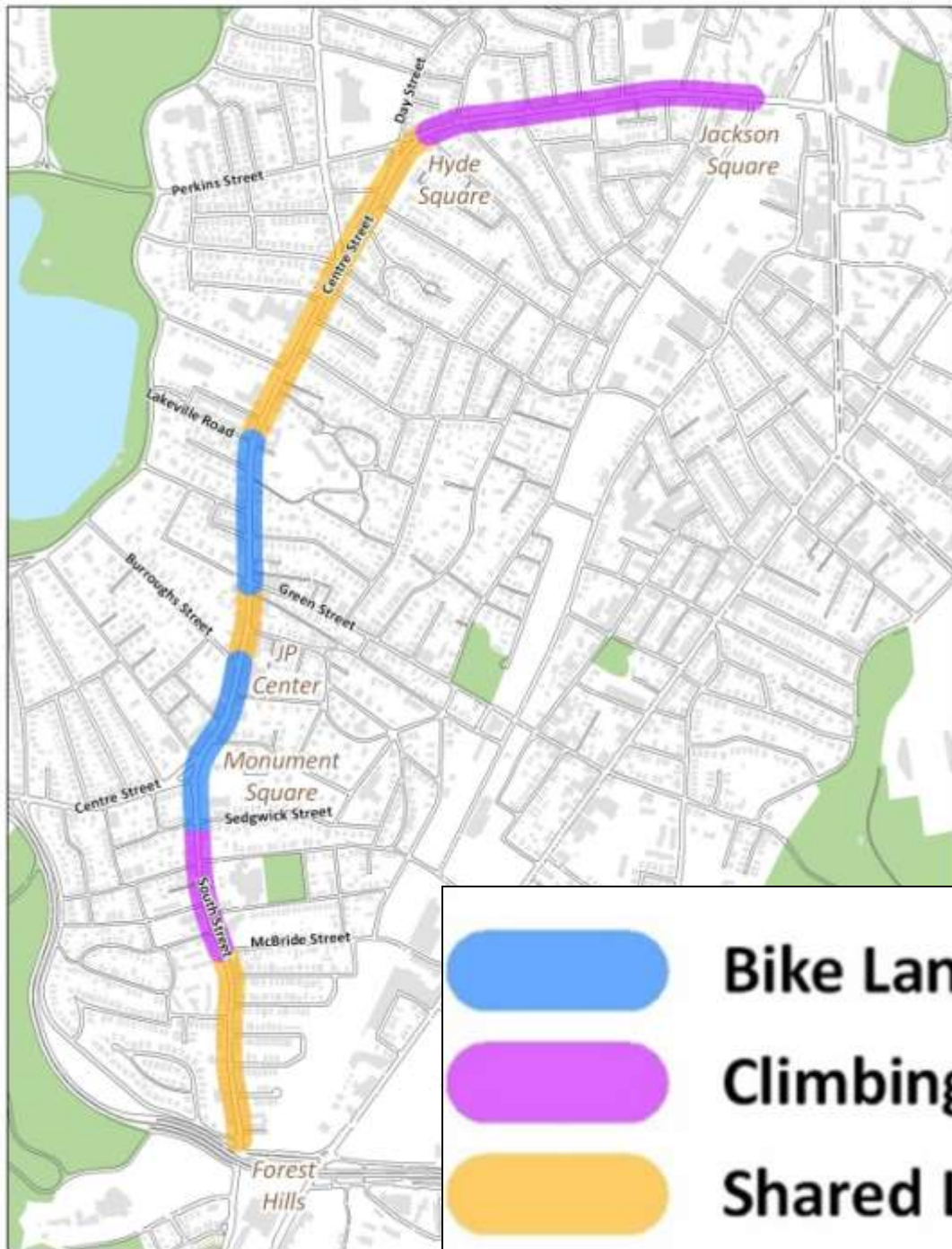


# Hyde Square Process

- Next Steps:
  - Refine concept design
    - Review parking use
    - Incorporate bicycle accommodations
  - Continue community conversation
  - Final design
    - Further City process
    - Beginning FY 2011?

# Bicycle Facility Recommendation

- Short-term bike facilities
- No parking removal



**Bike Lanes**



**Climbing Lanes**



**Shared Lane Markings**





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# Selected Locations

*Hyde Square, Monument Square, Mozart Park/JP Plaza*



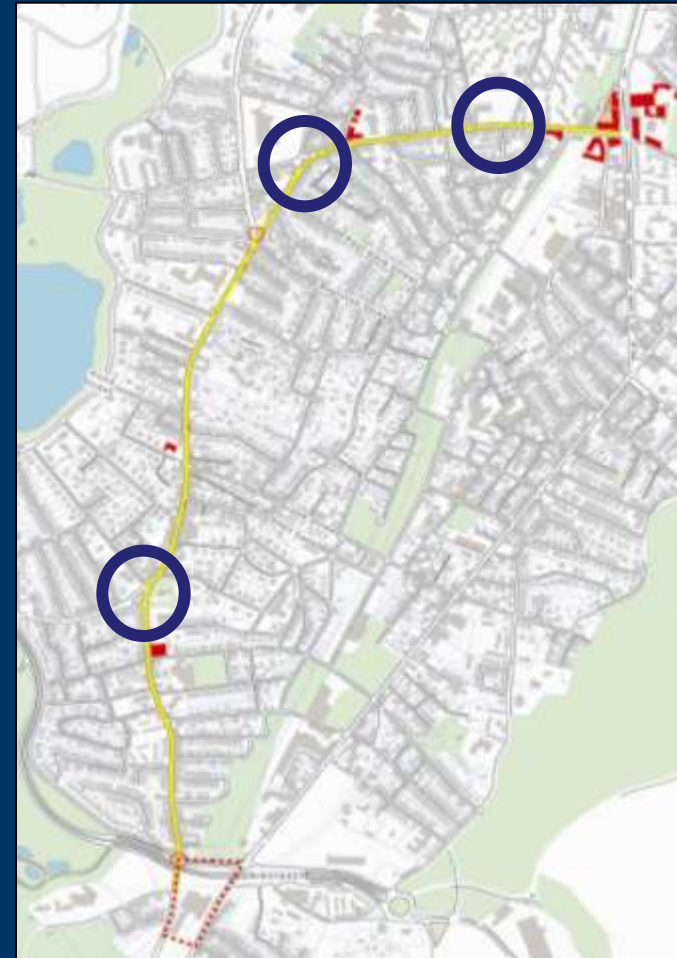
Hyde Square



Monument Square



Mozart Park/  
JP Plaza





# Monument Square

## *Existing Conditions*





# Monument Square

## *Existing Conditions*





Jamaica Plain  
Centre/South Street  
Transportation Action Plan





# Monument Square

## *Existing Conditions*



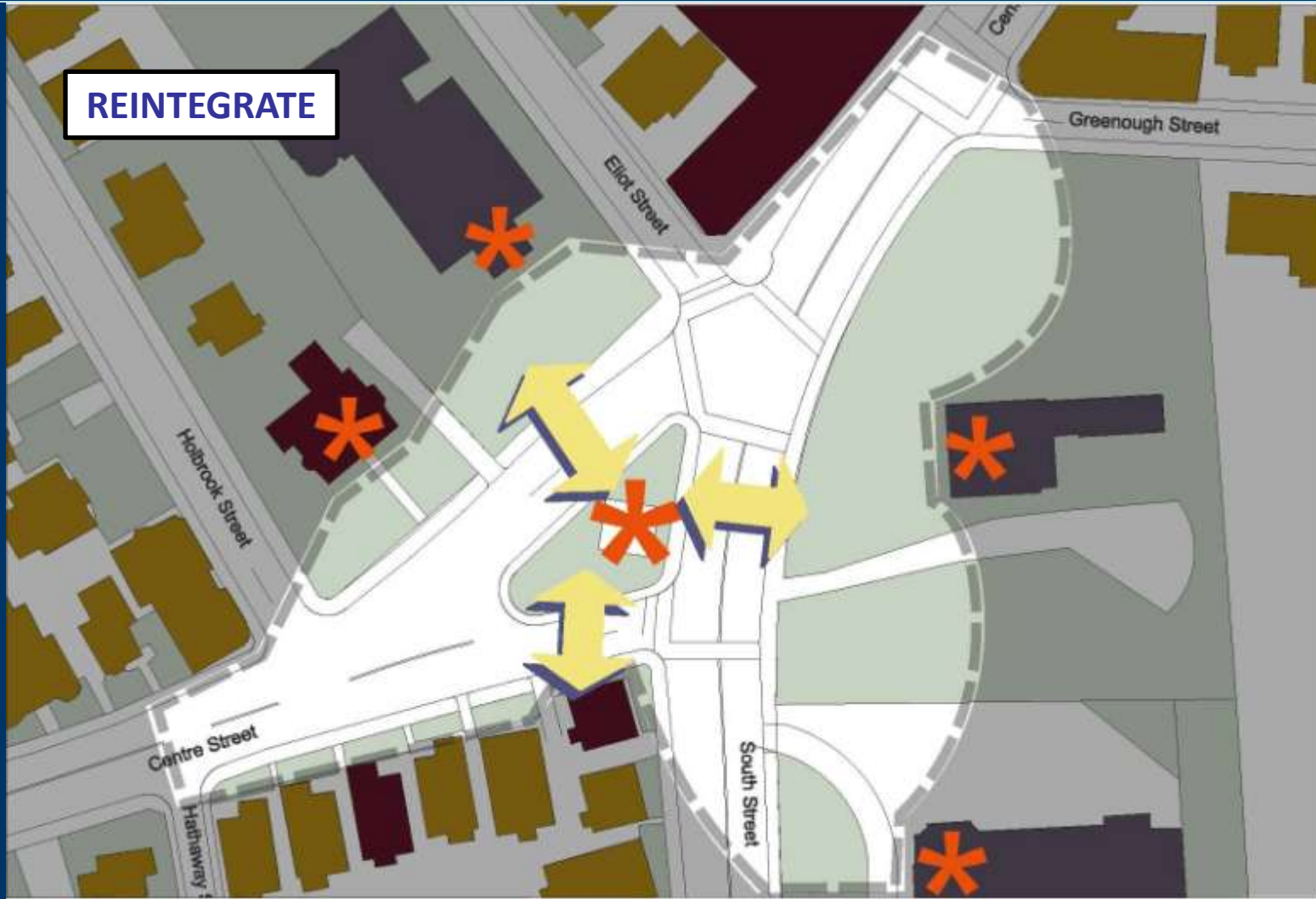


# Monument Square





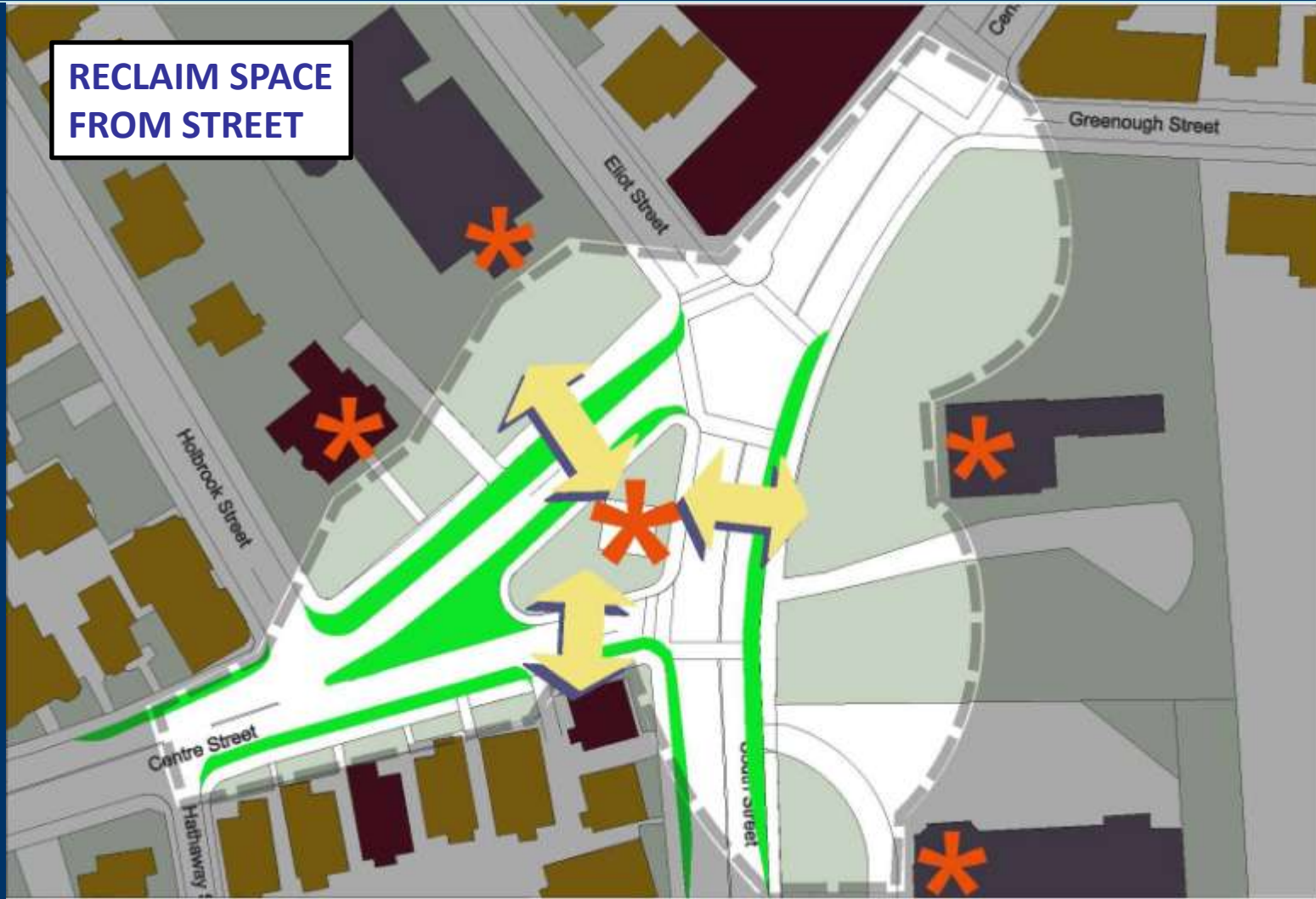
# Monument Square







# Monument Square





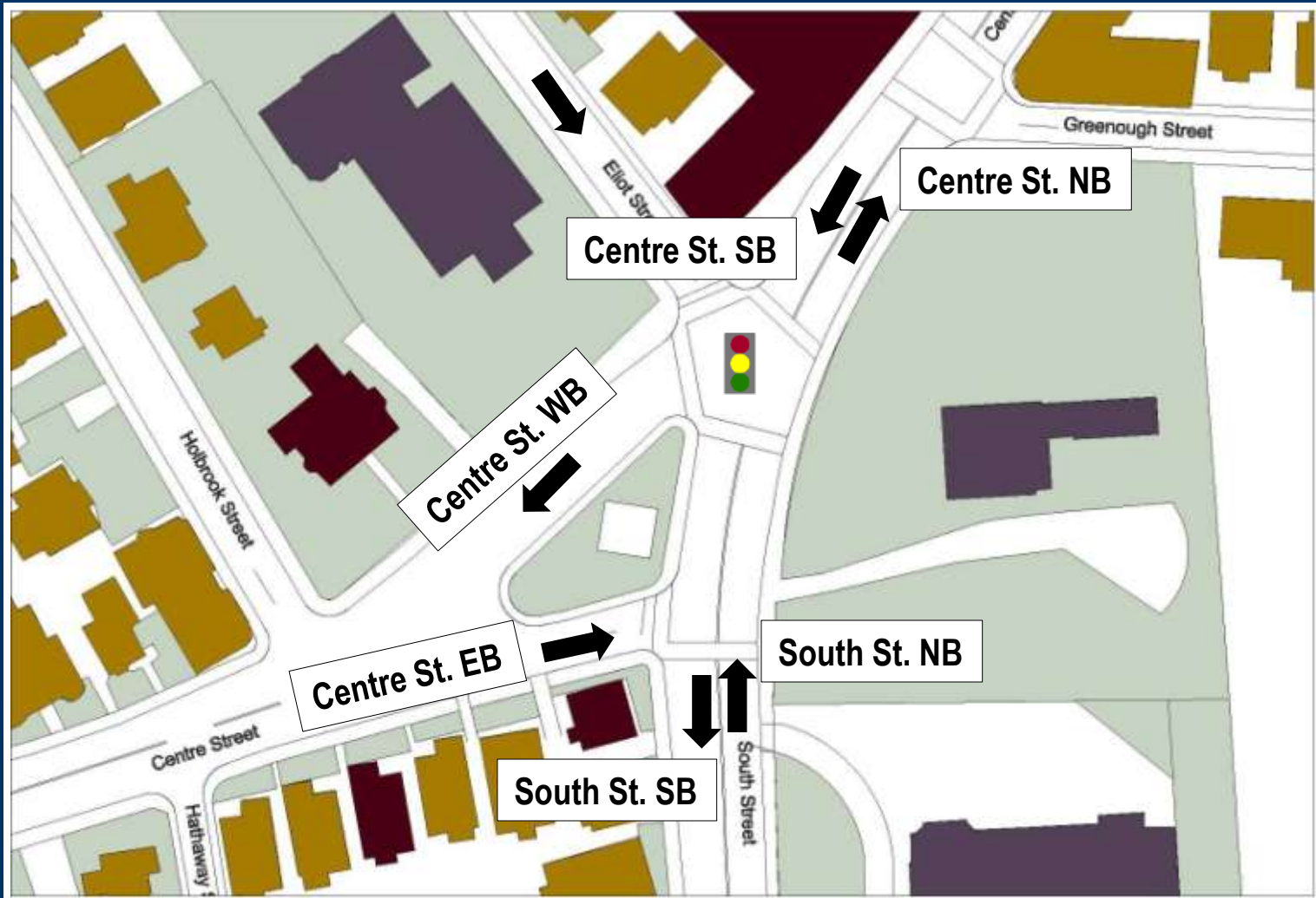
# Monument Square





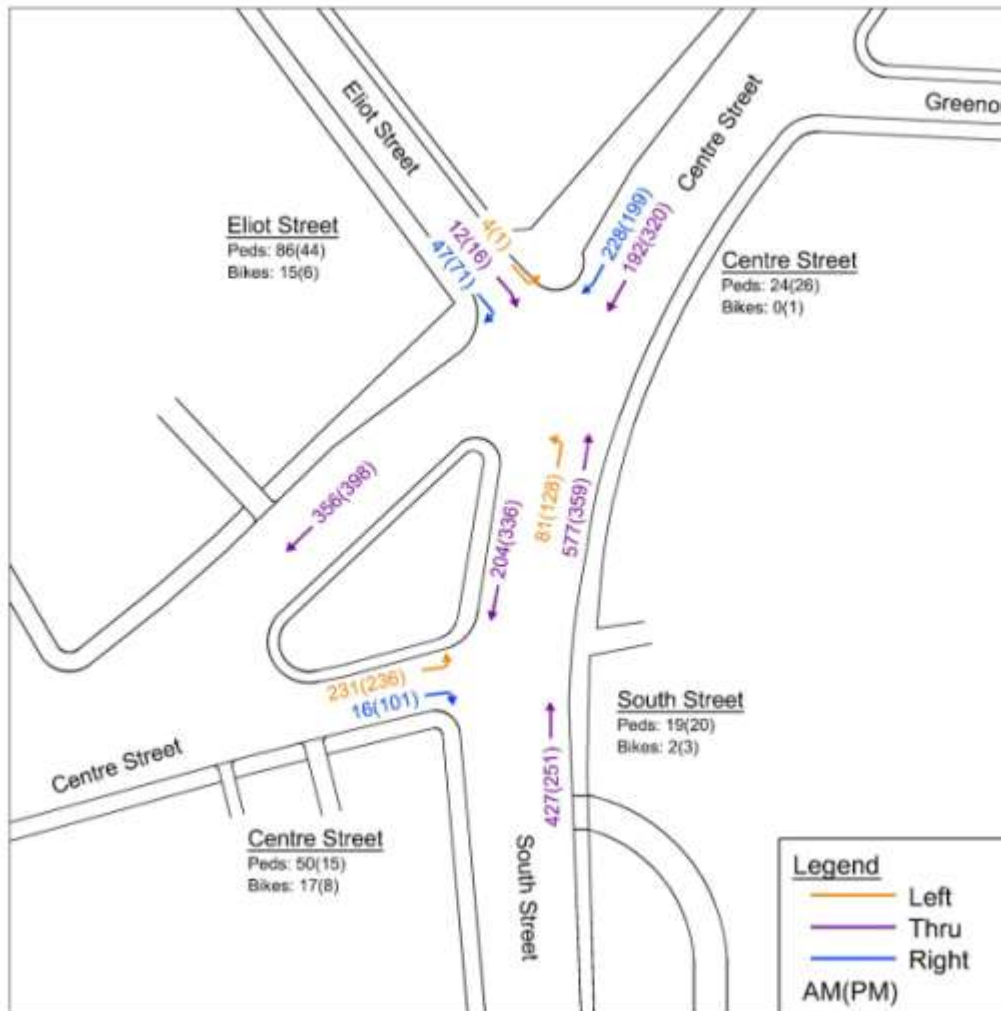
# Monument Square

## *Existing Conditions*





# Monument Square Volumes

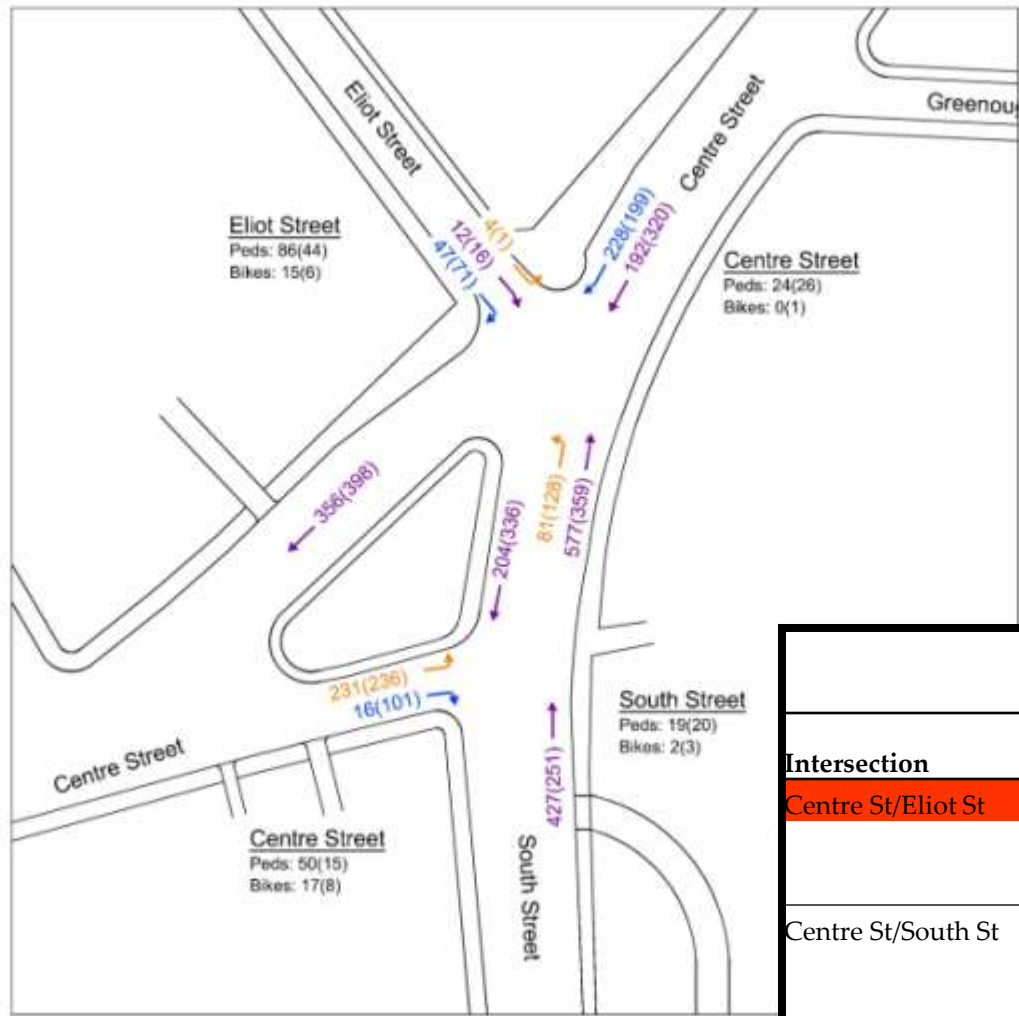


- Comparable AM & PM volumes
- Centre St. South  
WB/SB  
AM – 55%/45%  
PM – 40%/60%
- Centre St. East  
Primarily left turns



# Monument Square

## Level of Service







Centre Street East  
LOS E – AM & PM

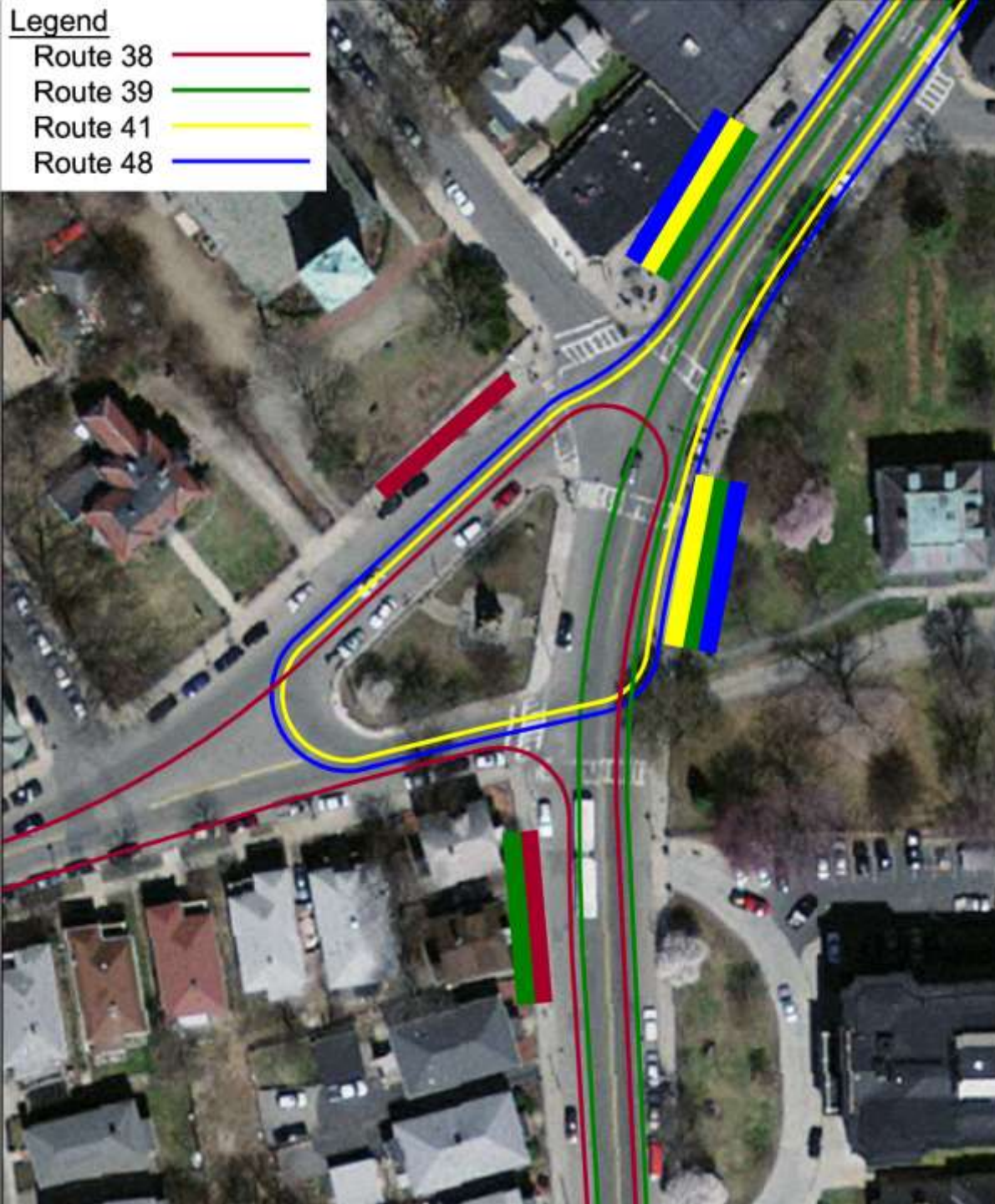
Eliot Street  
LOS B

All others at LOS A

		Weekday Existing 2010					
		AM Peak Hour			PM Peak Hour		
Intersection	Movement	Los	Delay	V/C	Los	Delay	V/C
Centre St/Eliot St	EB LTR	B	11.3	0.12	B	13.1	0.20
	NB LT	A	4.6	0.36	A	3.8	0.22
	SB TR	A	4.0	0.26	A	3.6	0.18
Centre St/South St	EB LR	E	36.9	0.74	E	47.7	0.87
	NB T	A	0.0	0.28	A	0.0	0.18
	SB T	A	0.0	0.13	A	0.0	0.22

## Legend

- Route 38 
- Route 39 
- Route 41 
- Route 48 



Jamaica Plain  
Centre/South Street  
Station Action Plan



# Monument Square

## Bus Operations

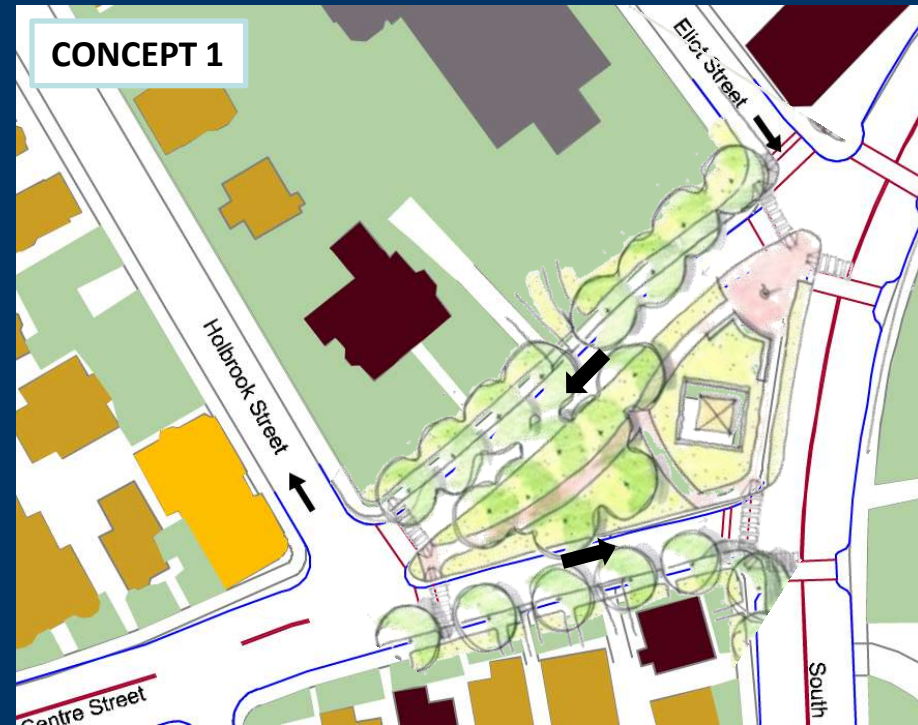
- **Rte 38** – Forest Hills to West Roxbury
- **Rte 39** – Forest Hills to Back Bay
- **Rte 41** – Monument to JFK/UMass
- **Rte 48** – Monument to Jackson Sq.



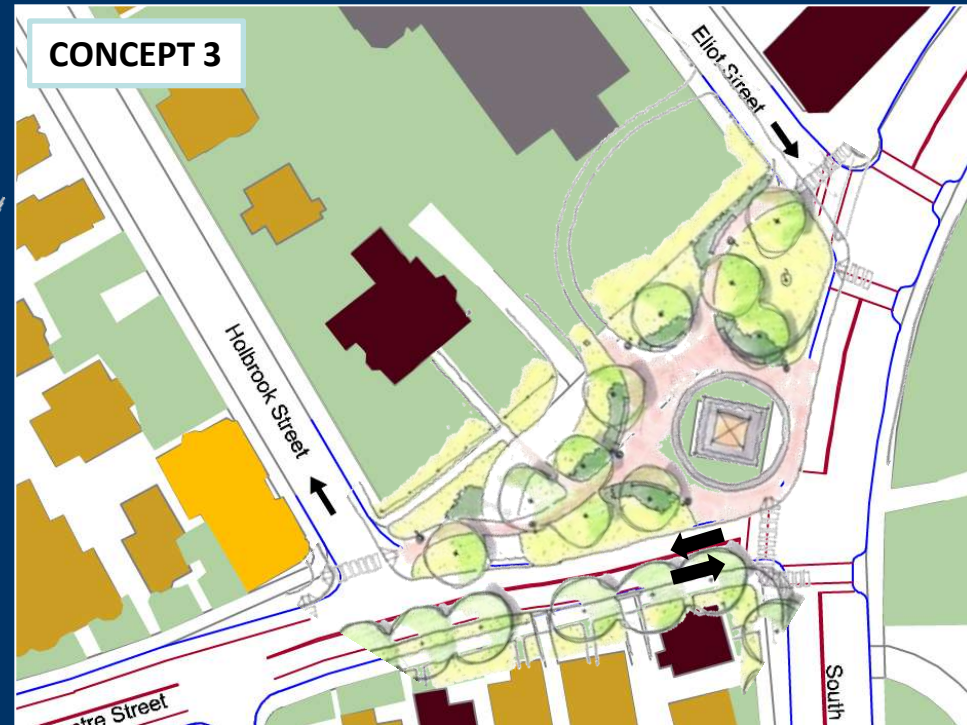
# Monument Square

## *Recommended Alternatives*

CONCEPT 1



CONCEPT 3

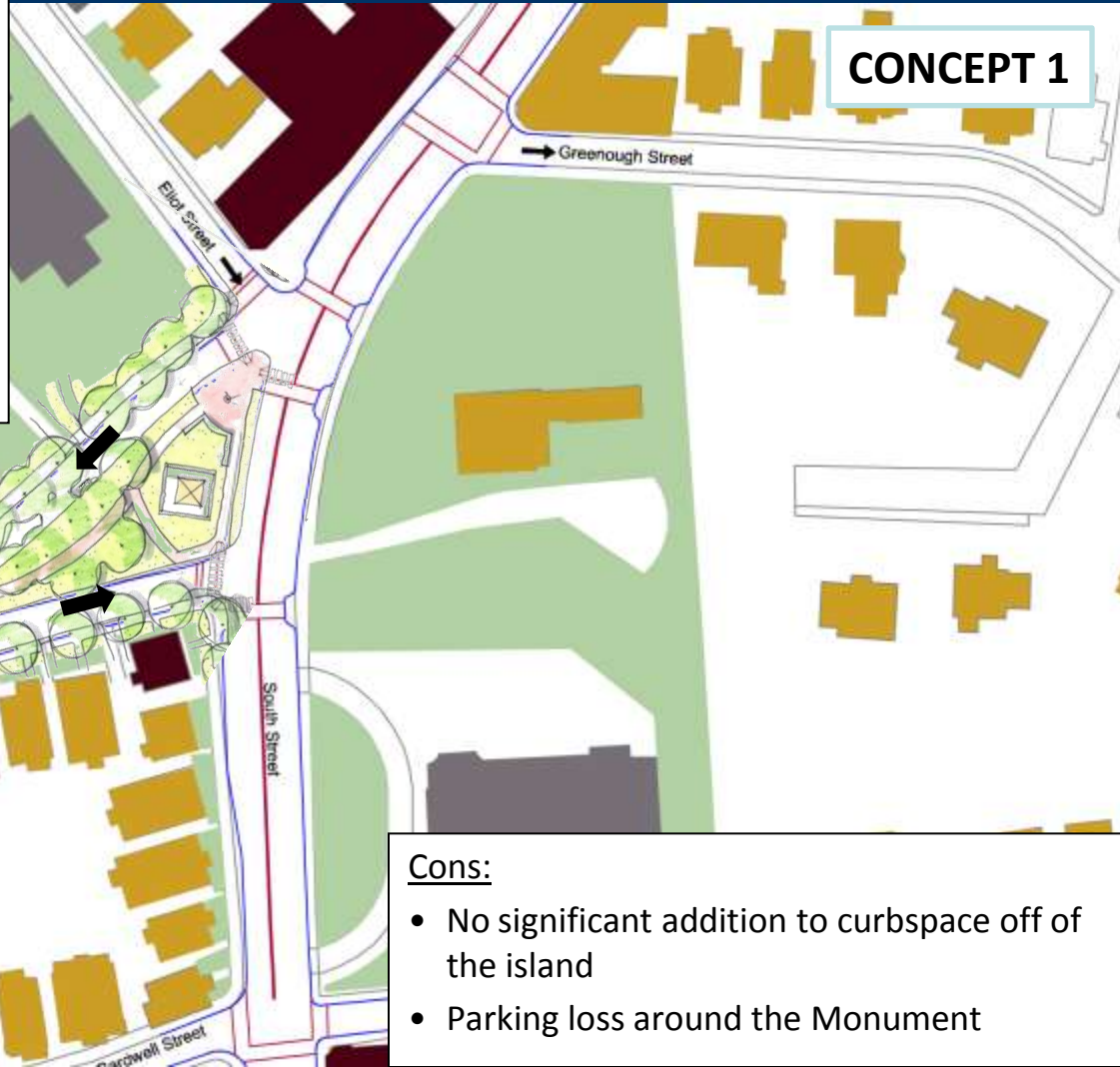




# Monument Square

## Pros:

- Limited impact to existing traffic conditions
- Opportunity to maximize park area around the Monument
- Minimizes crossing distances for pedestrians
- Establishes prominence of the Monument
- Maintains access to abutting properties



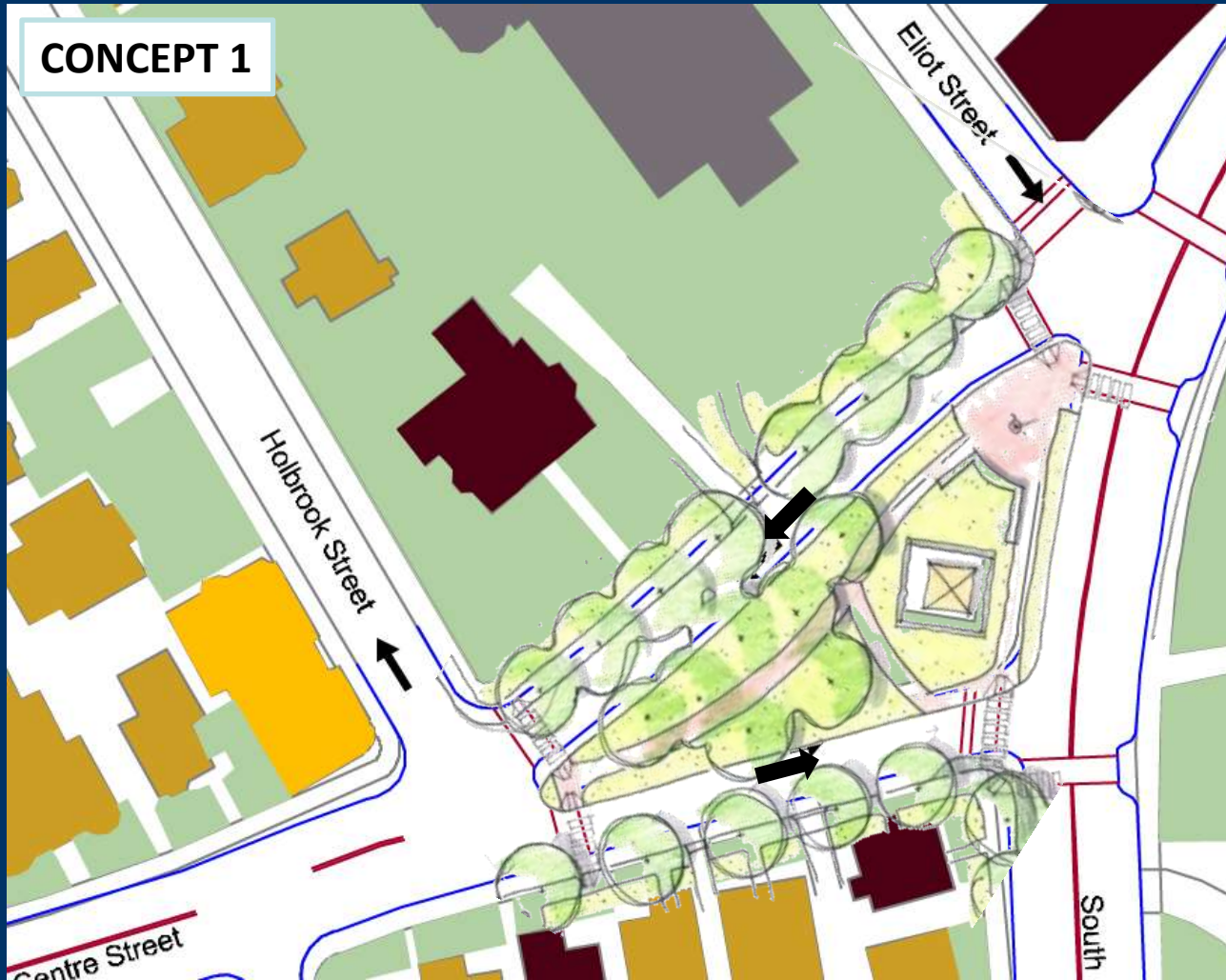
## Cons:

- No significant addition to curbspace off of the island
- Parking loss around the Monument



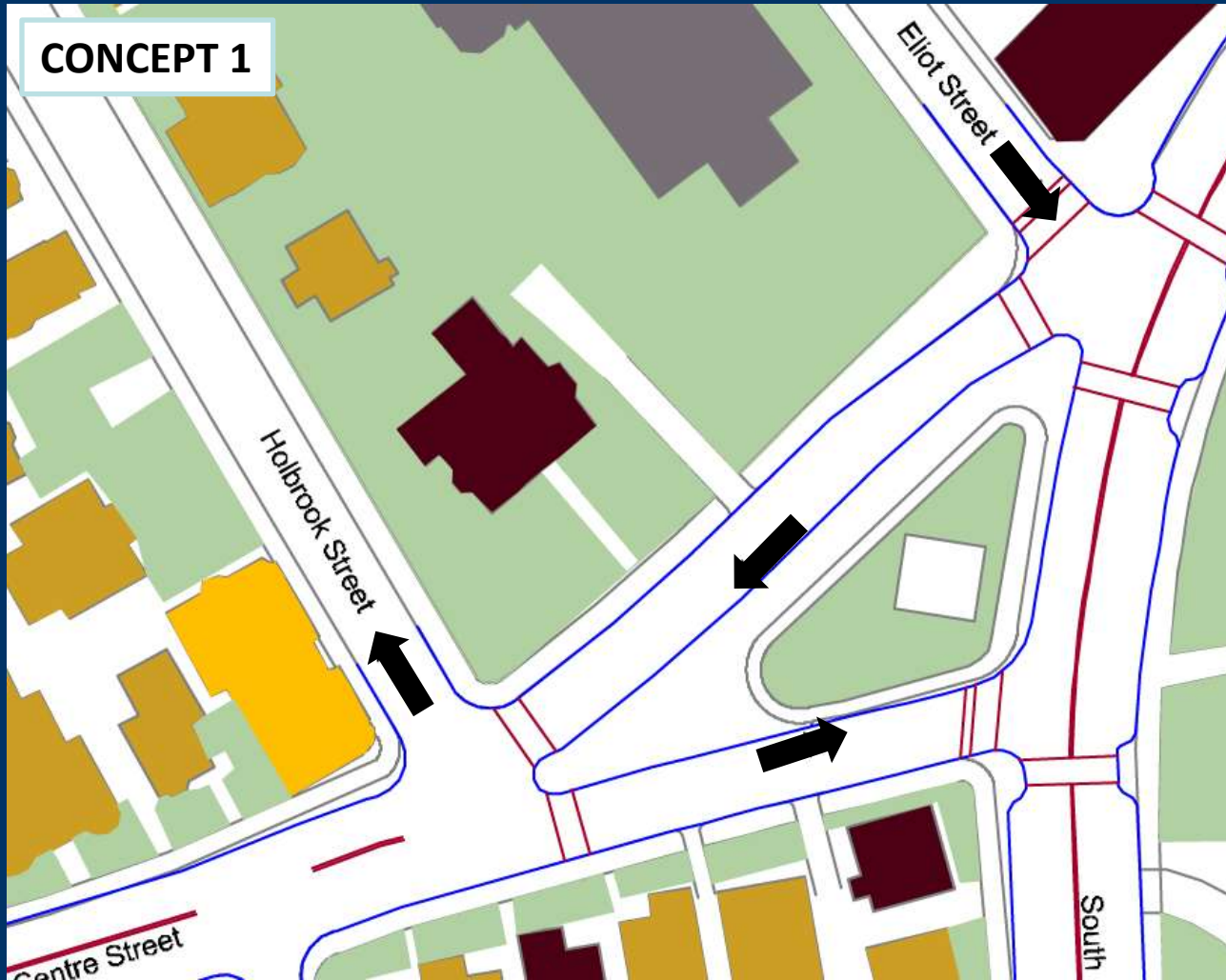


# Monument Square





# Monument Square





# Monument Square – Concept 1

## *Expected Changes*

- Roadways narrow
- Existing movements maintained
- Shorter pedestrian crossings
- Signalize Centre Street eastbound?
- LOS may not change

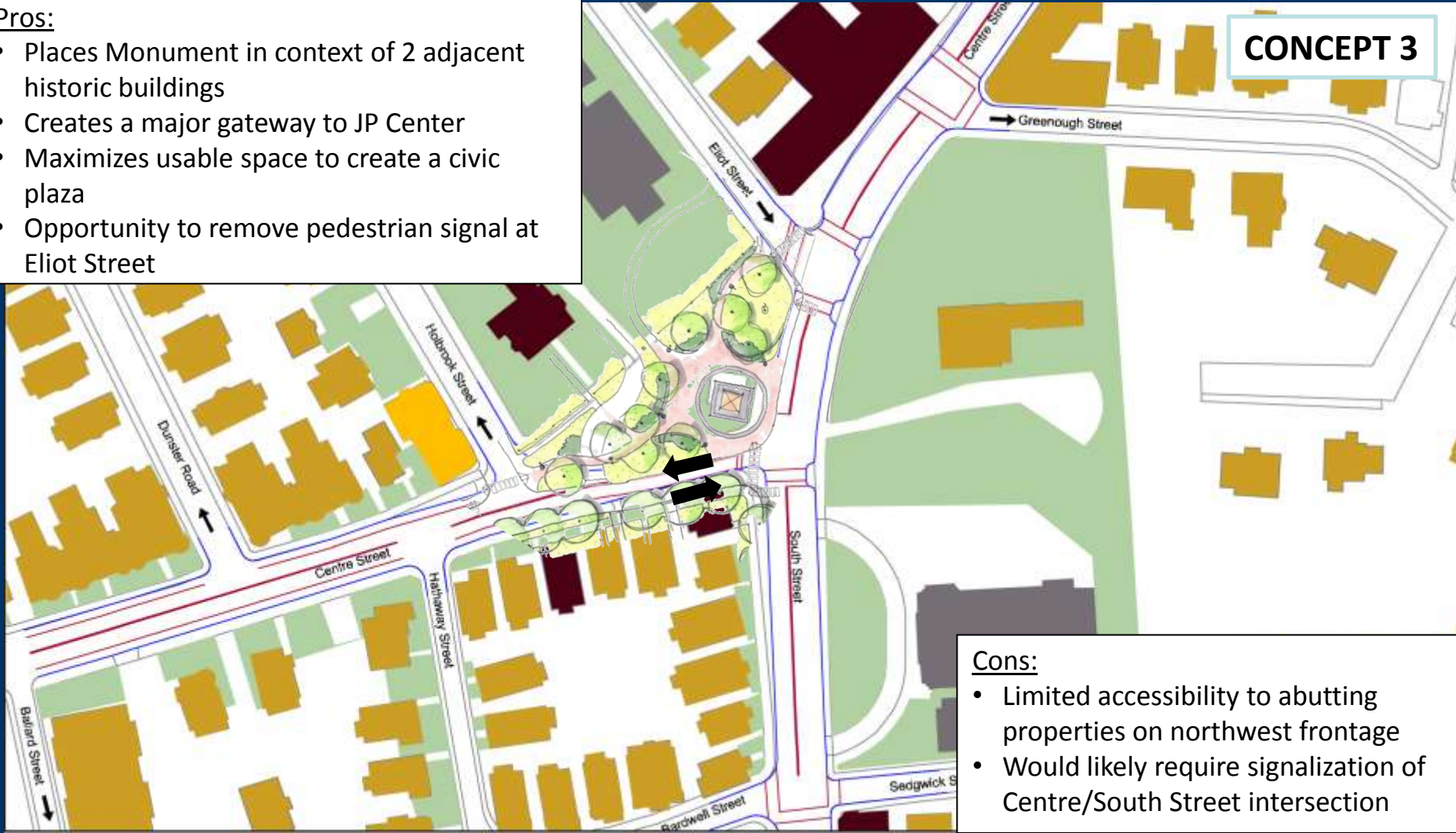
			Weekday Existing 2010					
			AM Peak Hour			PM Peak Hour		
Intersection	Movement		Los	Delay	V/C	Los	Delay	V/C
Centre St/Eliot St	EB	LTR	B	11.3	0.12	B	13.1	0.20
	NB	LT	A	4.6	0.36	A	3.8	0.22
	SB	TR	A	4.0	0.26	A	3.6	0.18
Centre St/South St	EB	LR	E	36.9	0.74	E	47.7	0.87
	NB	T	A	0.0	0.28	A	0.0	0.18
	SB	T	A	0.0	0.13	A	0.0	0.22



# Monument Square

## Pros:

- Places Monument in context of 2 adjacent historic buildings
- Creates a major gateway to JP Center
- Maximizes usable space to create a civic plaza
- Opportunity to remove pedestrian signal at Eliot Street



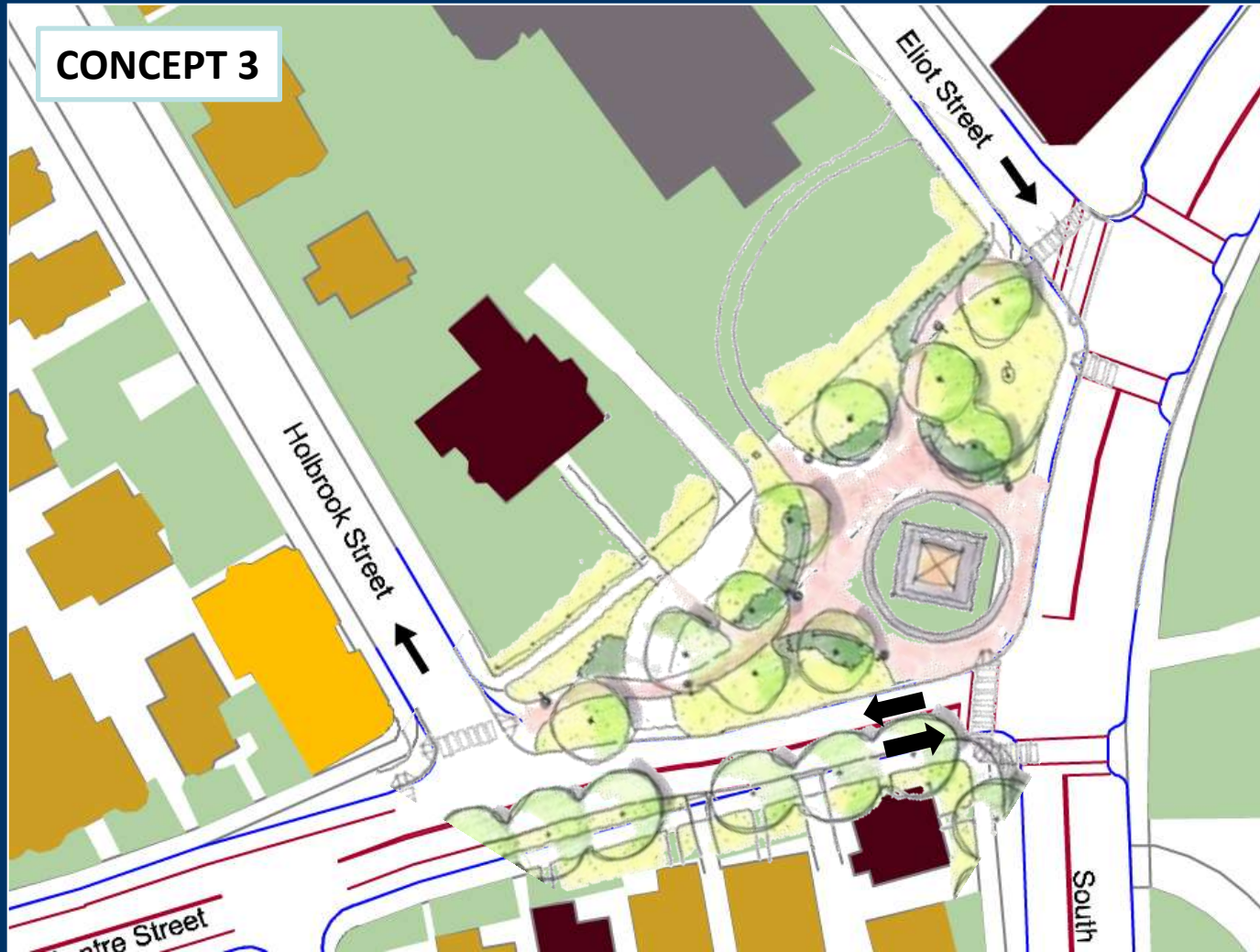
## Cons:

- Limited accessibility to abutting properties on northwest frontage
- Would likely require signalization of Centre/South Street intersection



# Monument Square

CONCEPT 3





**CONCEPT 3**





# Monument Square – Concept 3

## *Expected Changes*

- All traffic at single point
- Signalization required
- 2 lane cross section on Centre Street SB
  - Right turn lane needed
- Exclusive pedestrian phase
- Eliminate pedestrian signal at Eliot Street?



# Monument Square – Concept 3 Analysis

	Intersection	Movement	Weekday Existing 2010			Proposed Option 3 - 2010		
			Los	Delay	V/C	Los	Delay	V/C
AM Peak Hour	Centre St/Eliot St	EB LTR	B	11.3	0.12	B	13.7	0.38
		NB LT	A	4.6	0.36	A	0.0	0.27
		SB TR	A	4.0	0.26	A	0.0	0.16
	Centre St/South St	EB LR	E	36.9	0.74	C	29.2	0.66
		NB LT	A	0.0	0.28	C	23.6	0.66
		SB T	A	0.0	0.13	B	16.2	0.28
		R	n/a	n/a	n/a	A	6.4	0.39
Overall	n/a	n/a	n/a	B	19.4	0.66		
PM Peak Hour	Centre St/Eliot St	EB LTR	B	13.1	0.20	B	14.7	0.23
		NB LT	A	3.8	0.22	A	0.0	0.23
		SB TR	A	3.6	0.18	A	0.0	0.34
	Centre St/South St	EB LR	E	47.7	0.87	C	34.3	0.77
		NB LT	A	0.0	0.18	C	34.2	0.68
		SB T	A	0.0	0.22	C	22.9	0.52
		R	n/a	n/a	n/a	A	1.5	0.26
Overall	n/a	n/a	n/a	C	23.7	0.77		

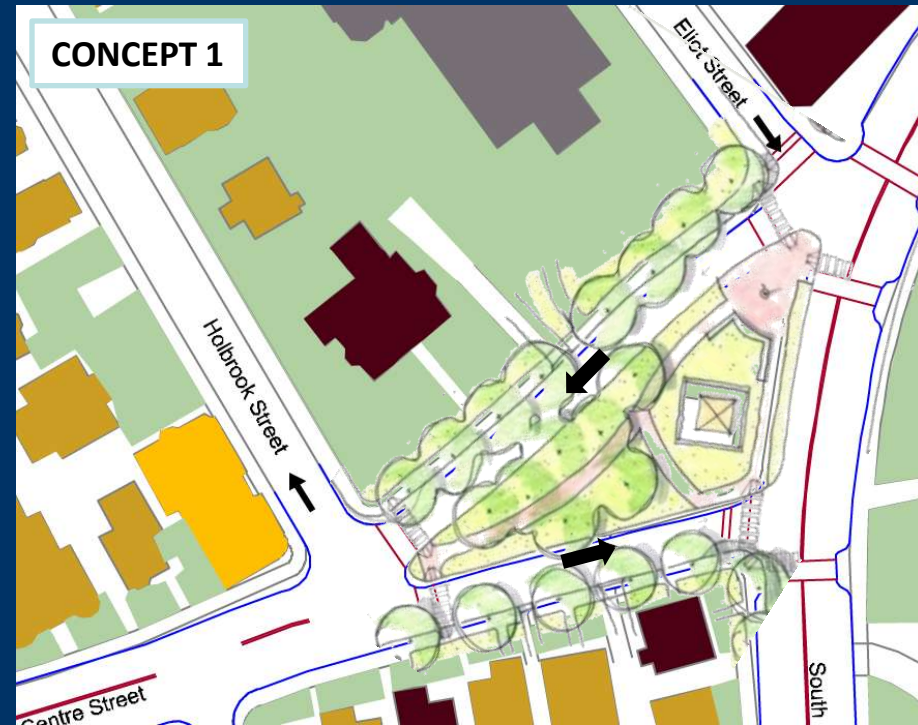




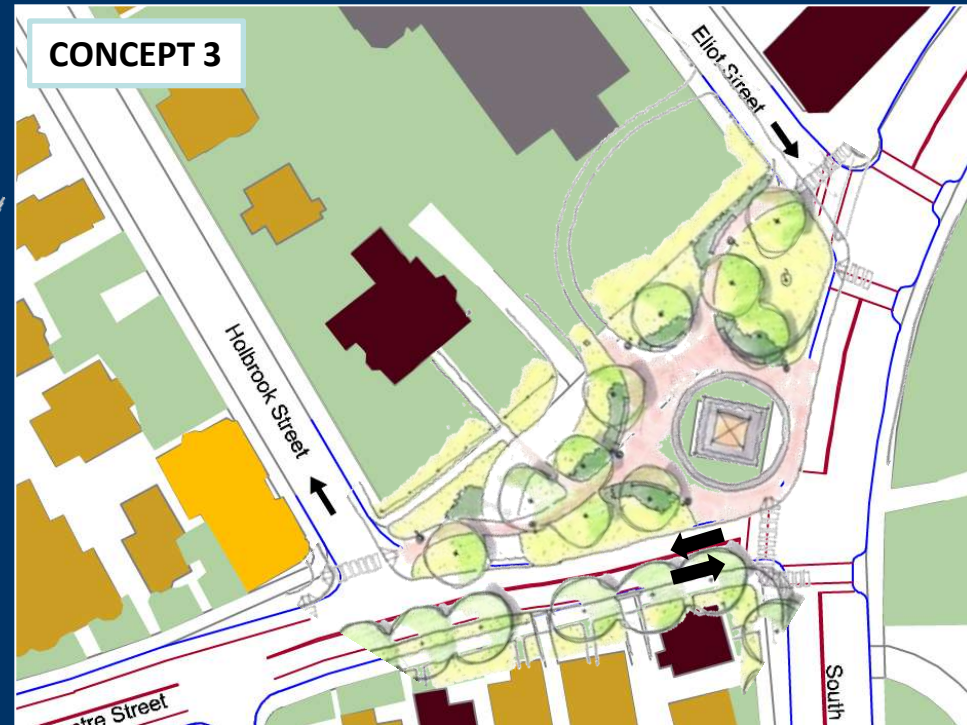
# Monument Square

## *Recommended Alternatives*

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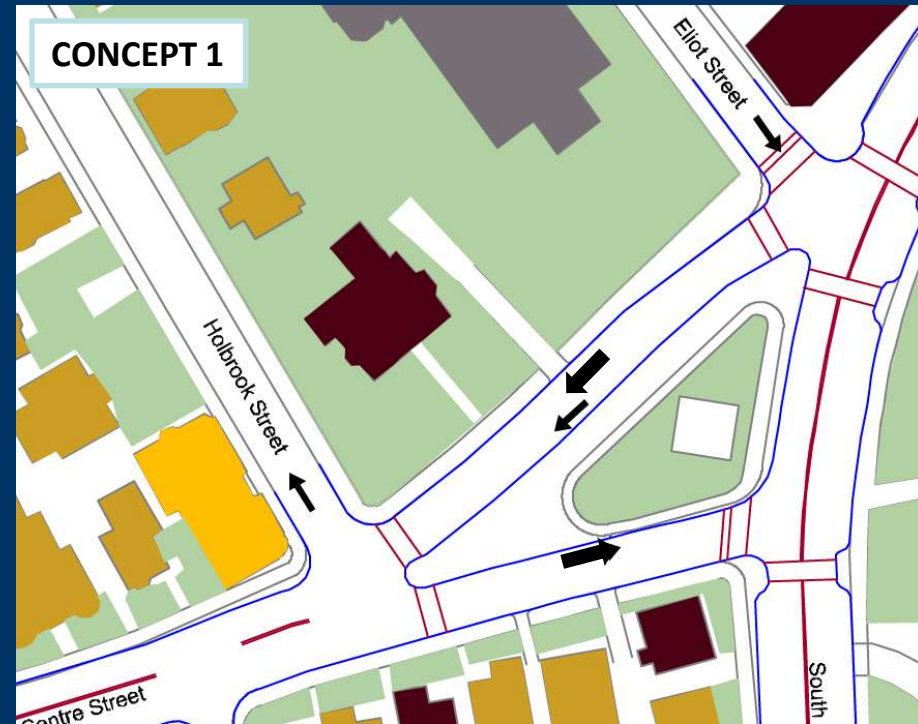




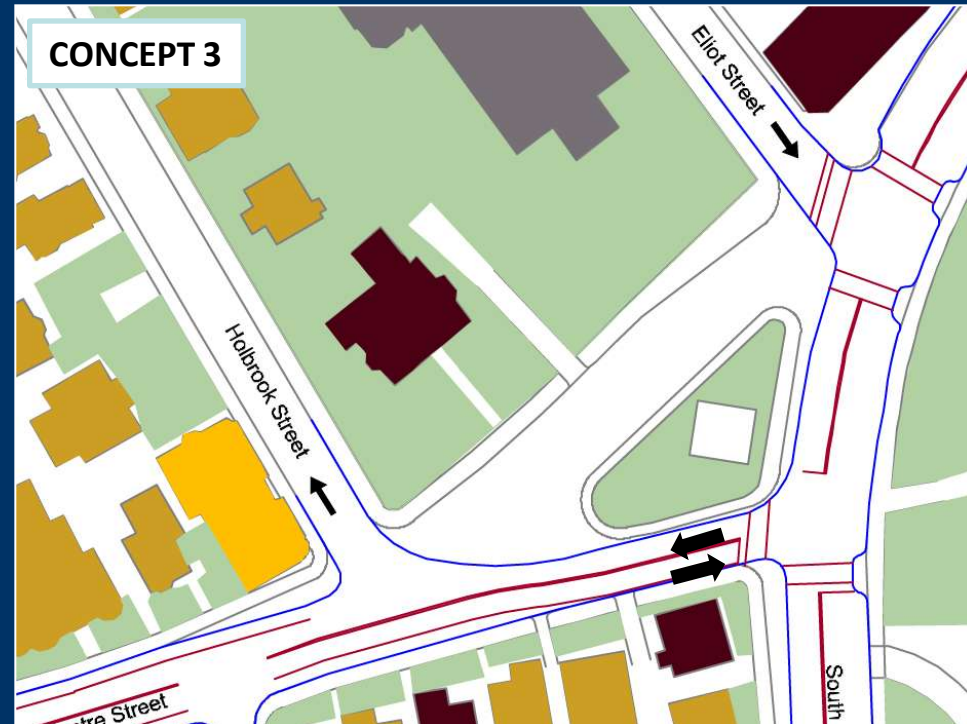
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# Selected Locations

*Hyde Square, Monument Square, Mozart Park/JP Plaza*



Hyde Square



Monument Square

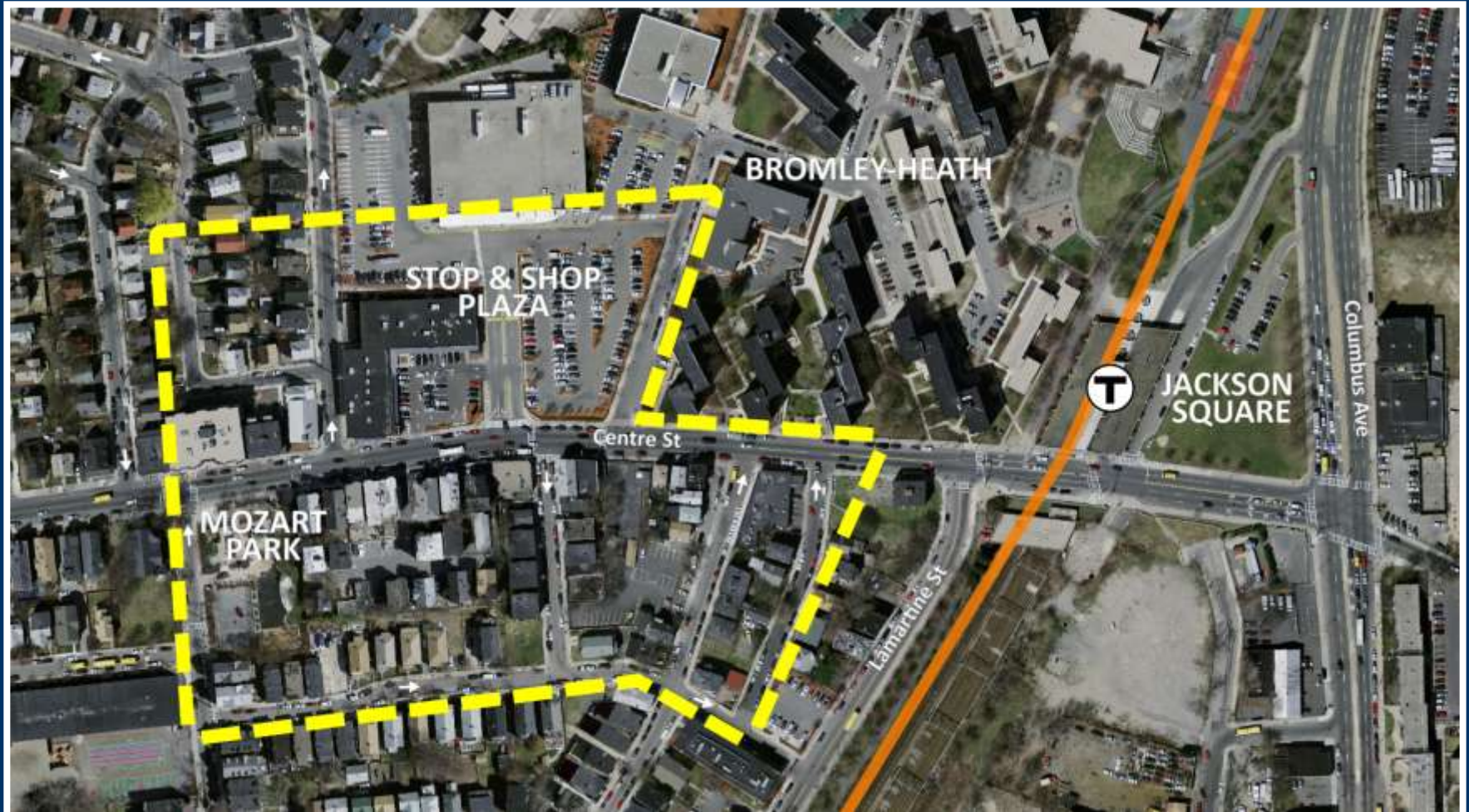


Mozart Park/  
JP Plaza





# Stop & Shop/Mozart Park





# Stop & Shop/Mozart Park

## *Existing Conditions*

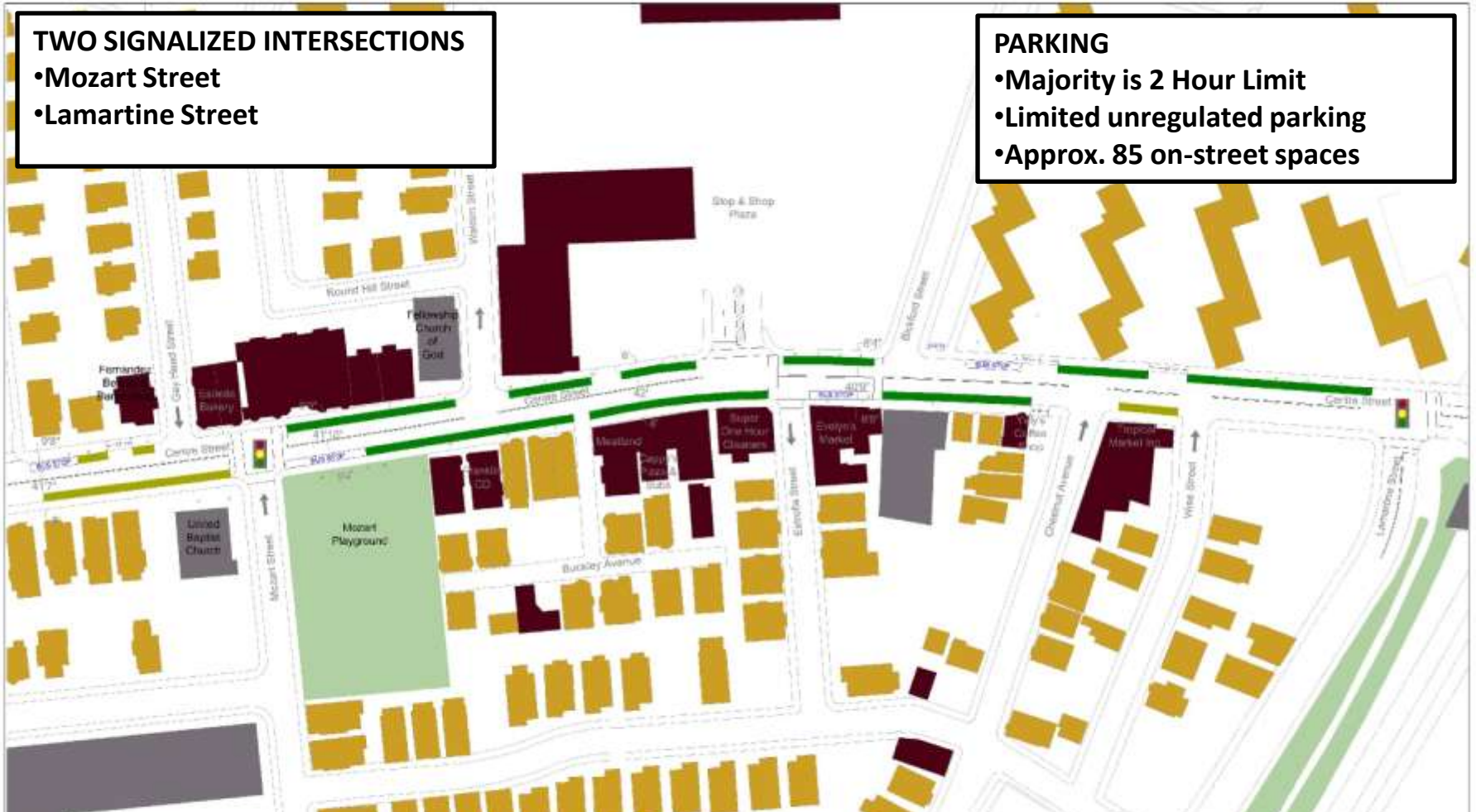
### **TWO SIGNALIZED INTERSECTIONS**

- Mozart Street
- Lamartine Street

### **PARKING**

- Majority is 2 Hour Limit
- Limited unregulated parking
- Approx. 85 on-street spaces

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# Stop & Shop / Mozart Park

## *Engineering Considerations*

- Accommodate commercial uses
- Steeper grades and narrow sidewalks
- Accessible design challenges
- Provide access to store fronts
- Existing utilities

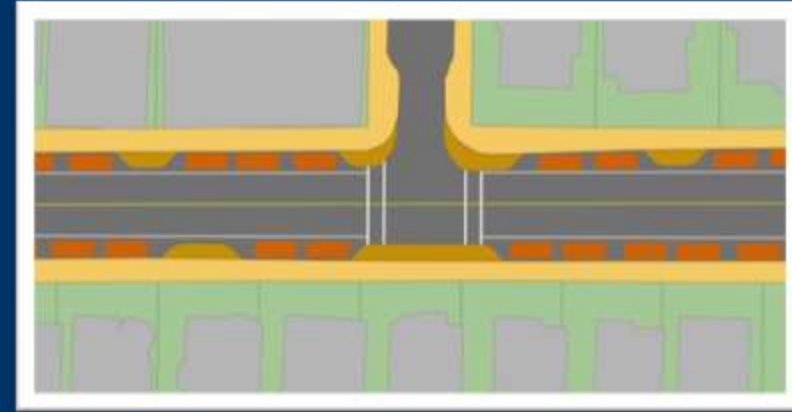




# Long Term Alternatives

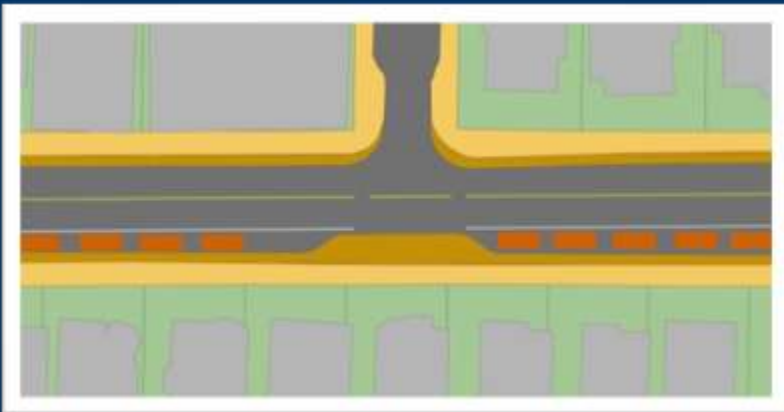


Bicycle Lanes

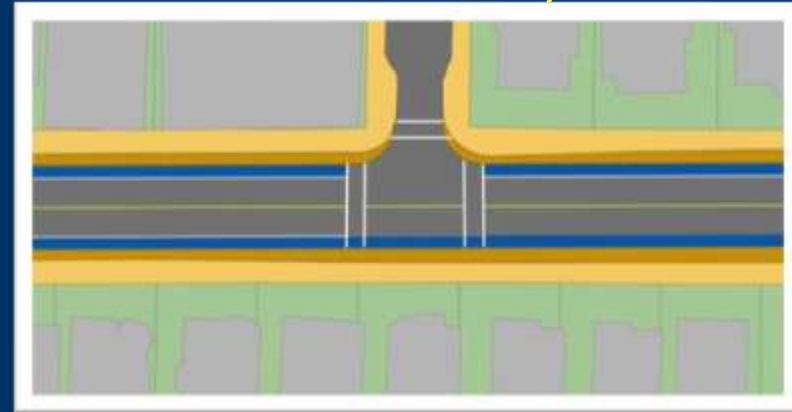


Intermittent Widening

Wider Sidewalks

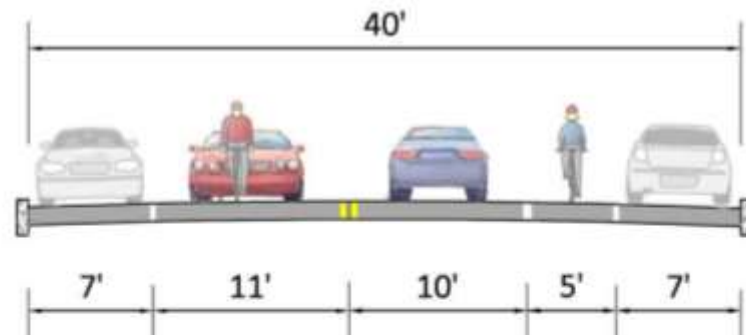
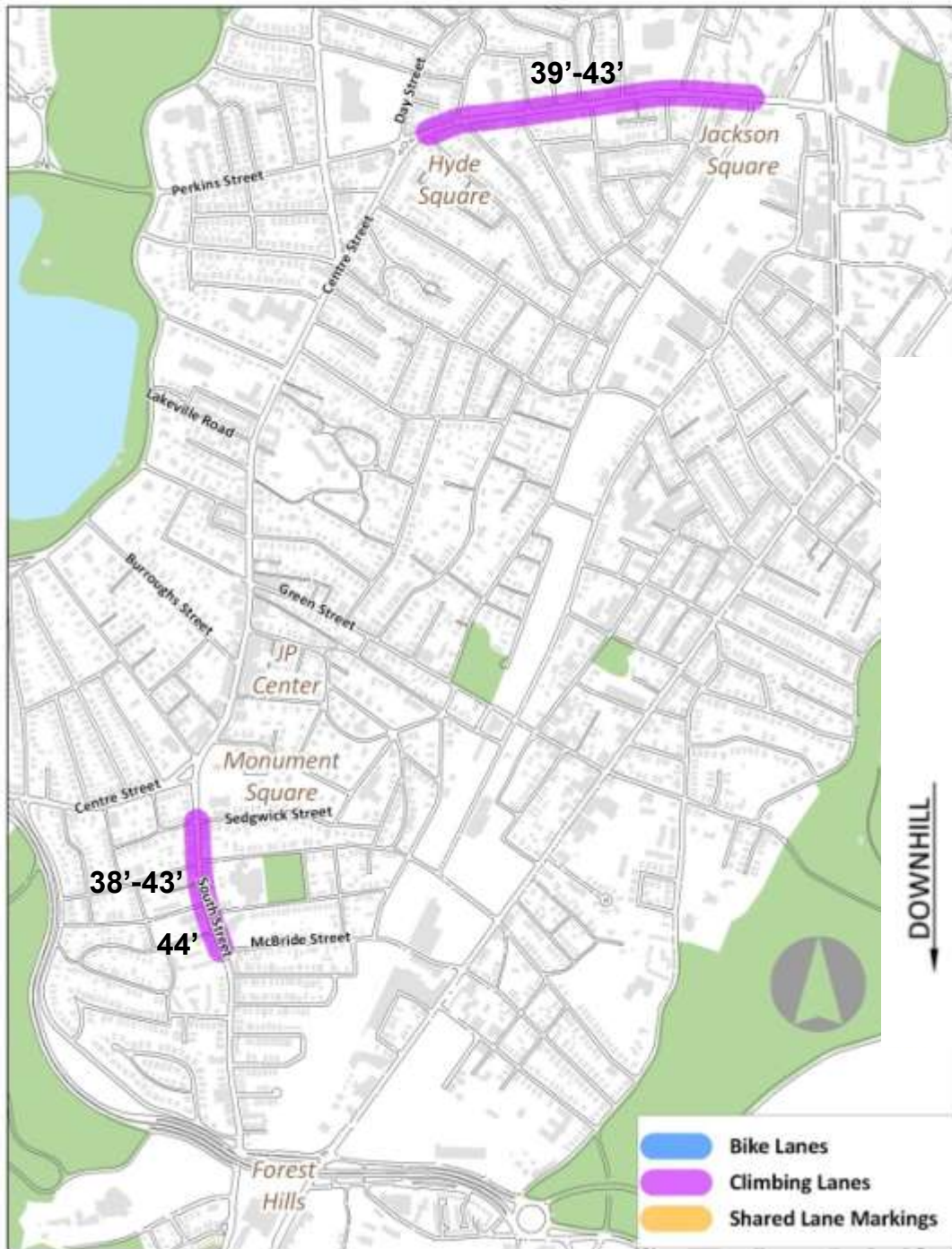


Wider Sidewalks & Bicycle Lanes





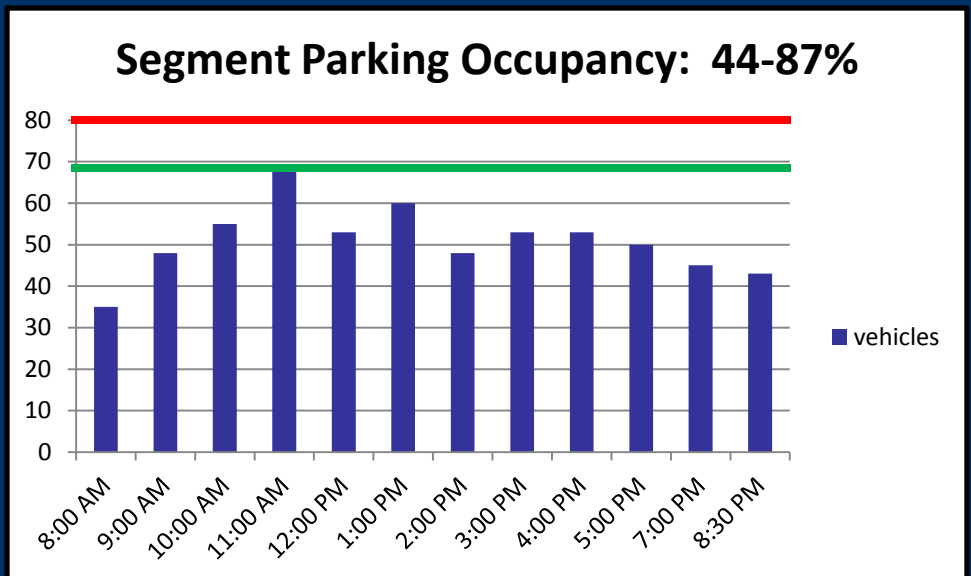
# Bicycle Plan - Climbing Lane



# Mozart Street to Lamartine Street



- 79 total spaces
  - No unregulated spaces
  - All 2 hour limit spaces
  - Avg. Duration – 1.81 hrs.





# Sidewalk Zones



SHY

WALKING ZONE

SHY

FURNISHING ZONE

CURB



# Sidewalk Zones

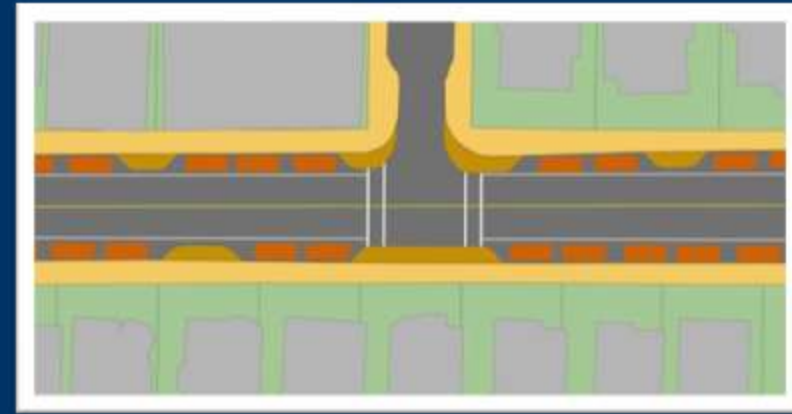




# Long Term Alternatives



Bicycle Lanes



Intermittent Widening

Wider Sidewalks

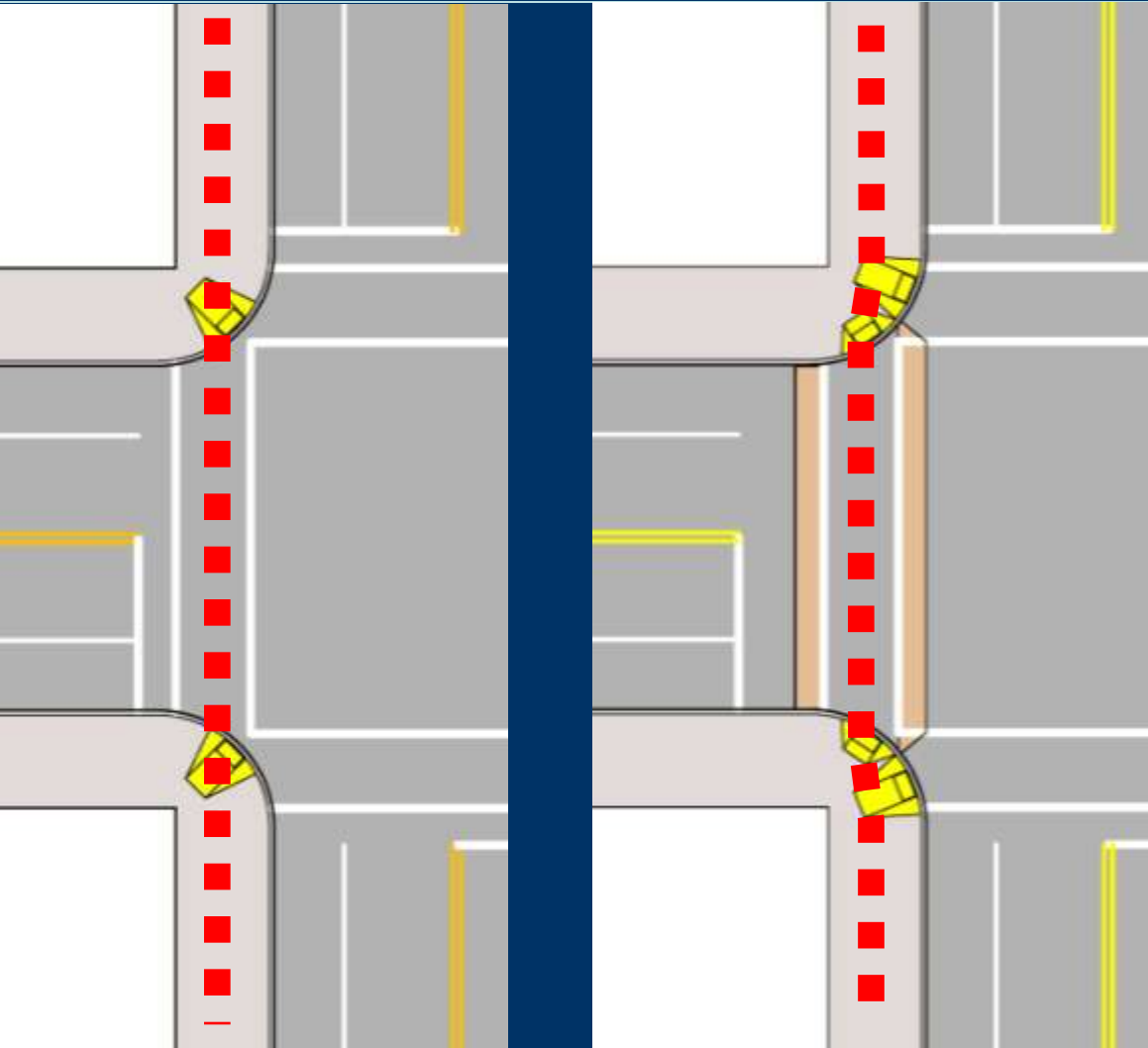


Wider Sidewalks & Bicycle Lanes





# Raised Crosswalks



3-UP 3-DOWN  
CROSSWALK

Shorter slope

Less shift of pedestrian  
path



# Recommendations

- Intermittent widening
- Climbing lane
- Minimal parking removal
- Continual pedestrian path (raised crosswalks)
- Potential sidewalk widening throughout area



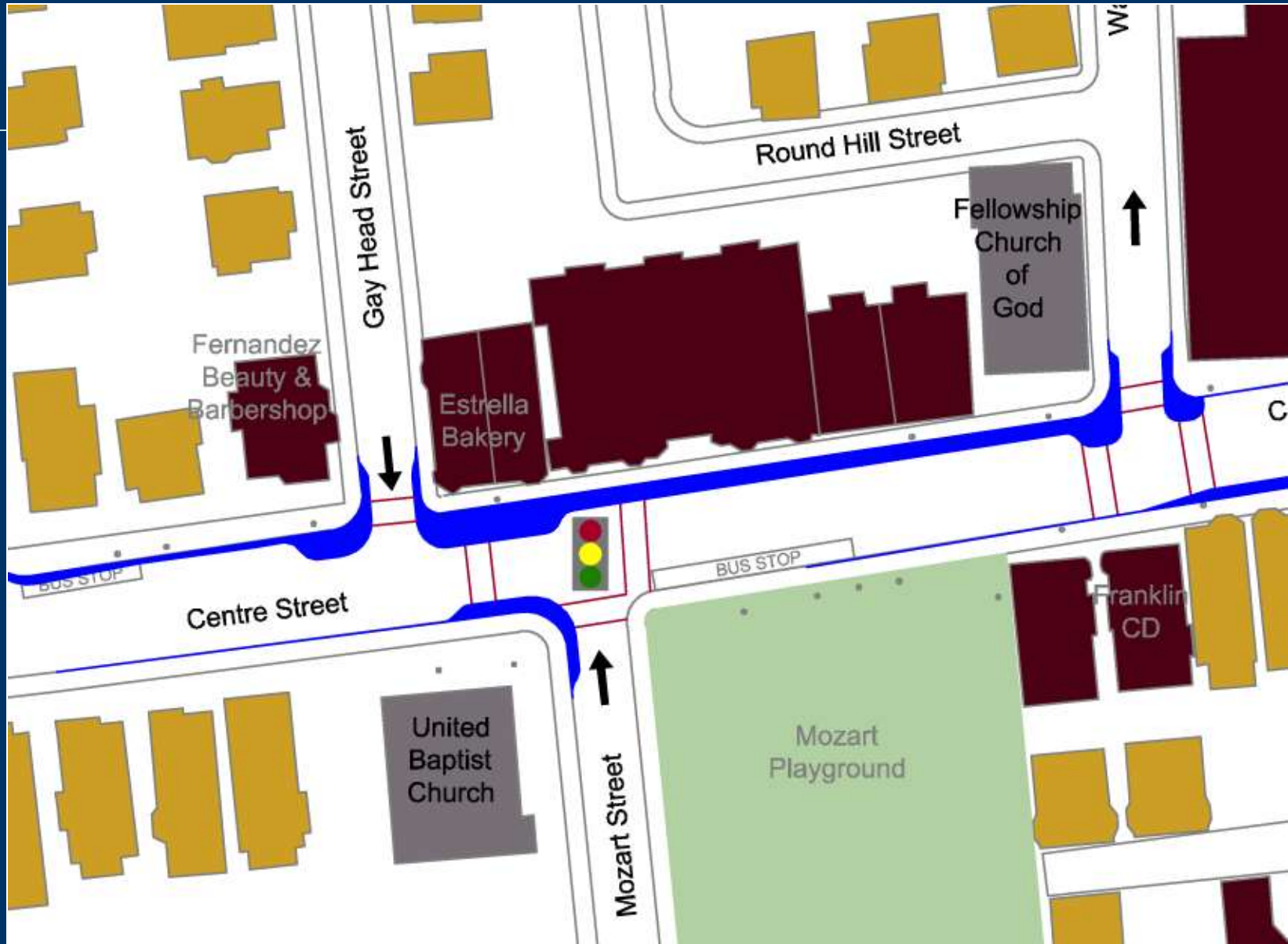
# Intermittent Widening





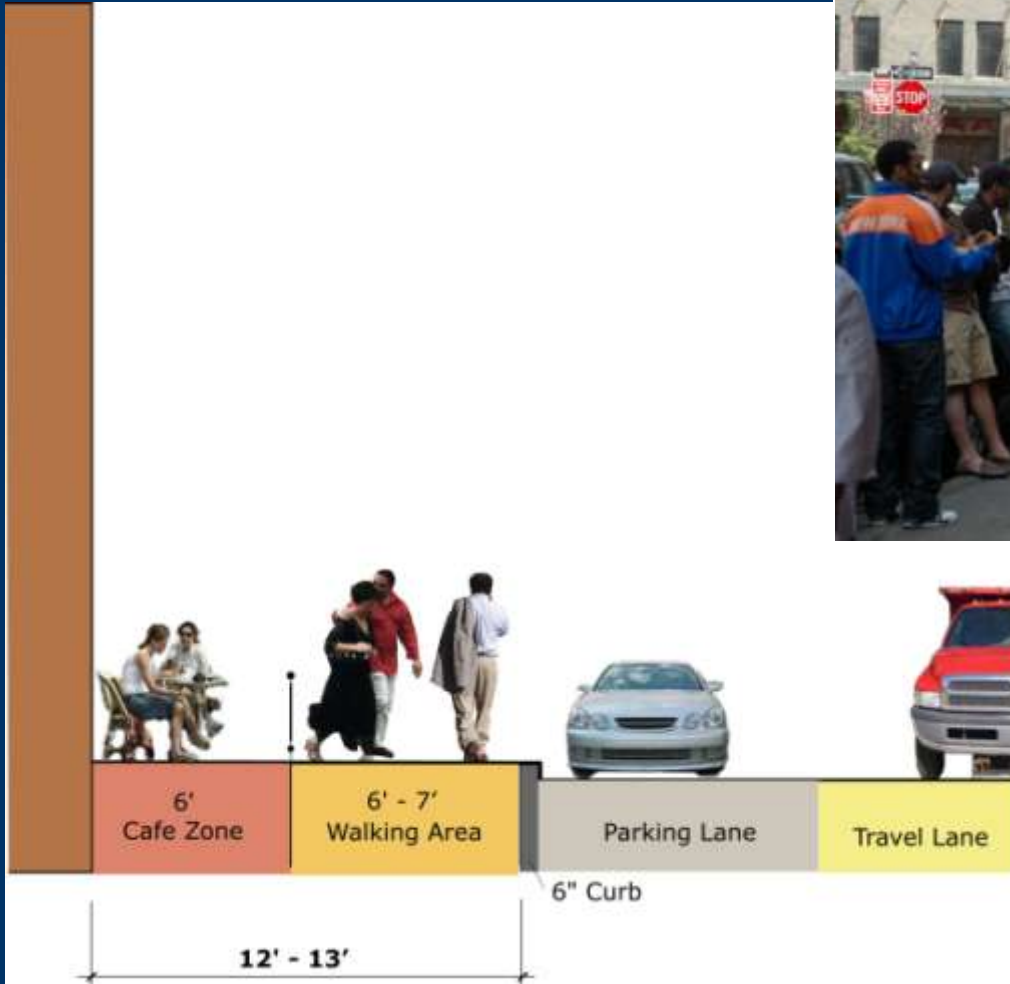


Jamaica Plain  
Centre/South Street  
Transportation Action Plan



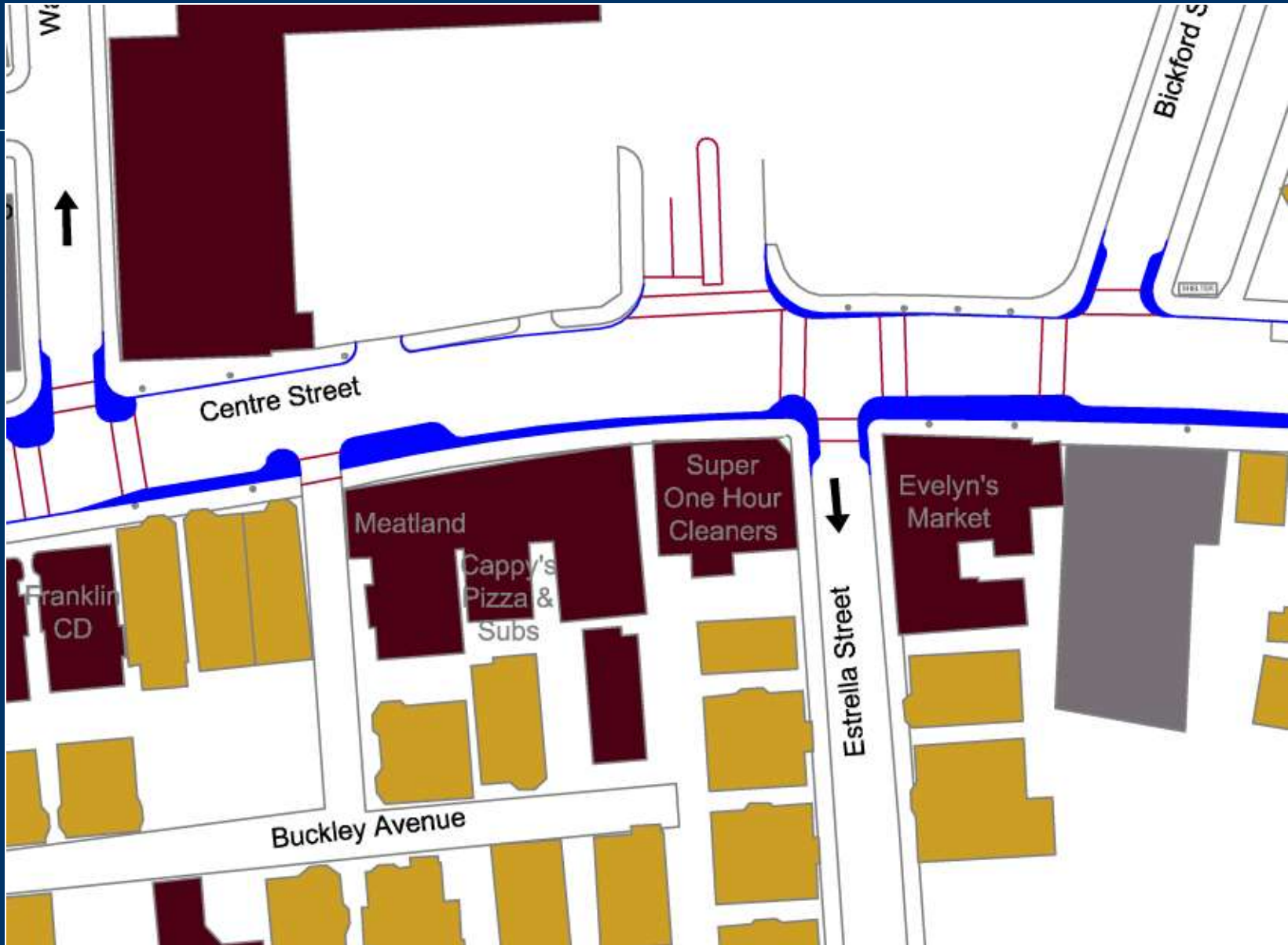


# Sidewalk Concepts





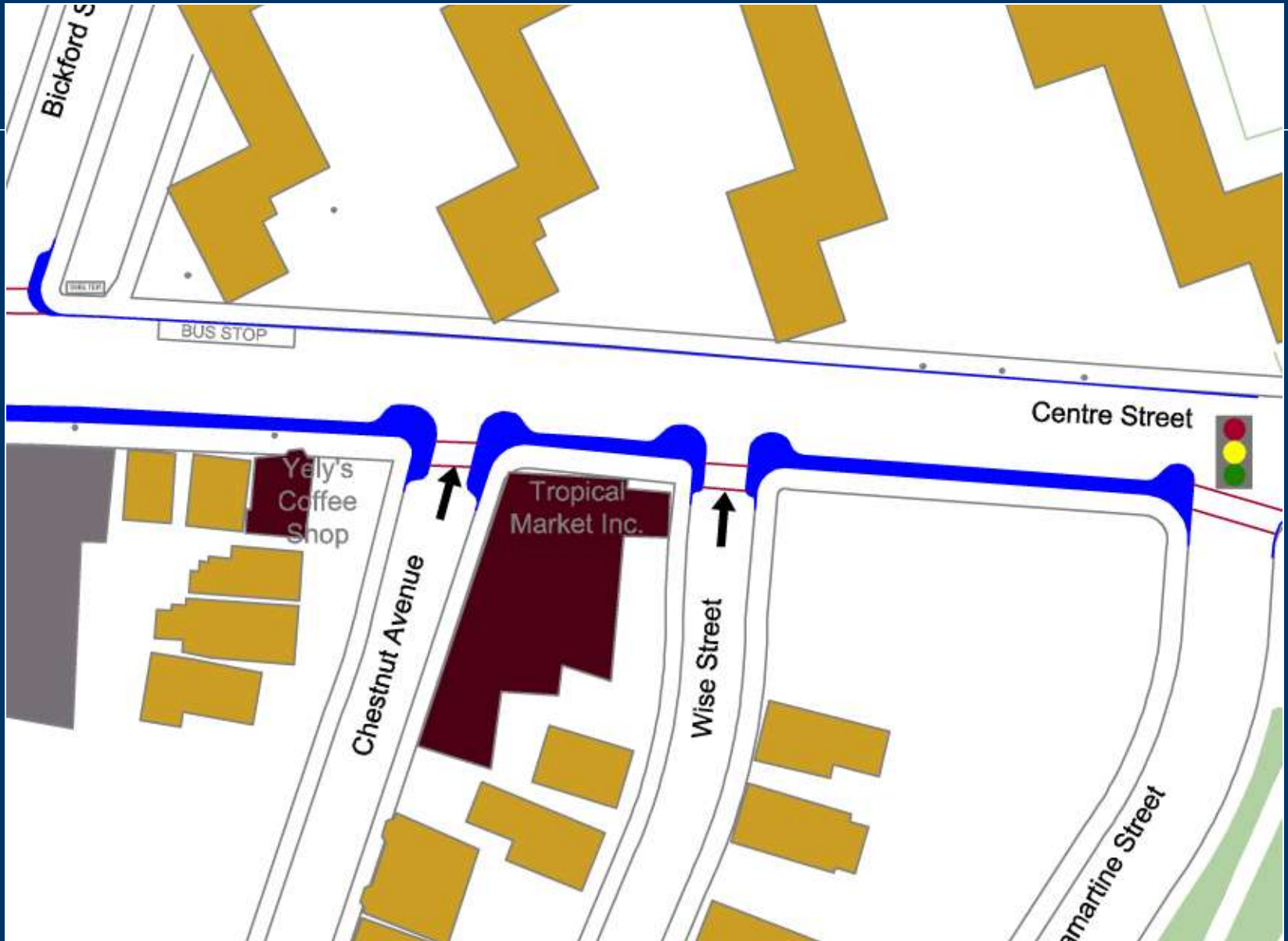
Jamaica Plain  
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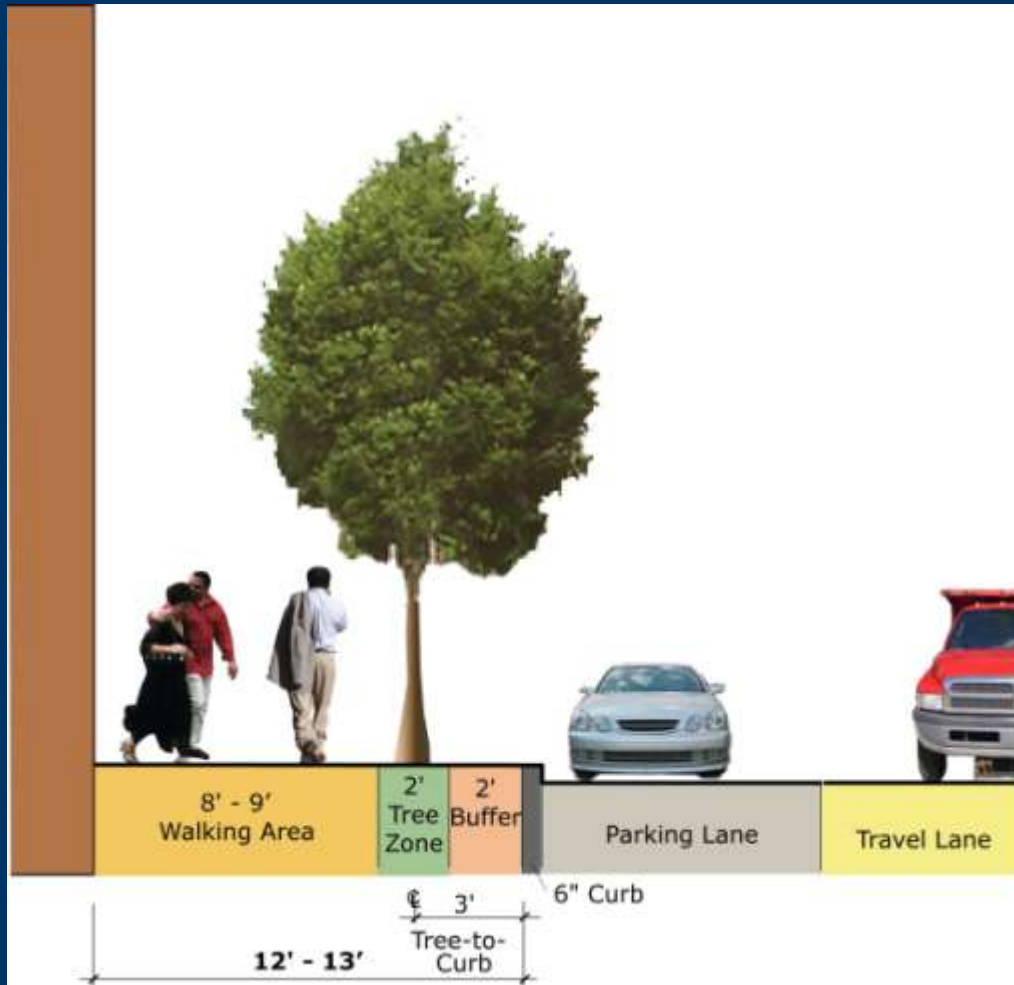
# Recommendations







# Sidewalk Concepts





# Recommendations

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- Climbing lane
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- Potential sidewalk widening throughout area



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# Parking Analysis

## *Overview*

- Weekday parking occupancy & turnover observed hourly between 8 AM and 9 PM
- BTD vehicle equipped with license plate recognition technology captured parked vehicles' location



# Parking Study Corridor

- Centre & South Streets from Forest Hills to Jackson Square
- On-street spaces
- Off-street municipal lots





# Parking Analysis

## *Definitions*

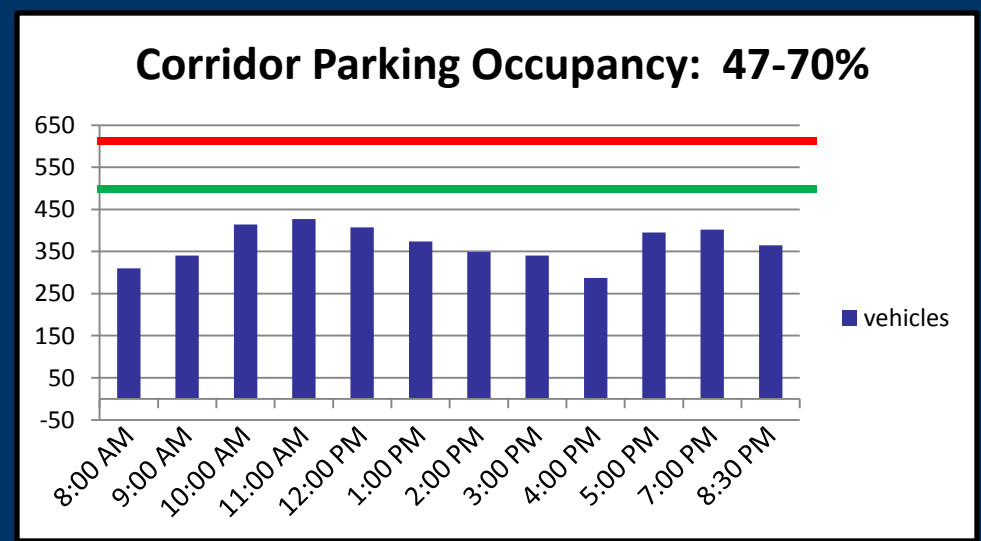
- **Parking occupancy** – percent of total spaces filled at a given time
- **Parking duration** – average length of stay of parked car

*Based on observed data*

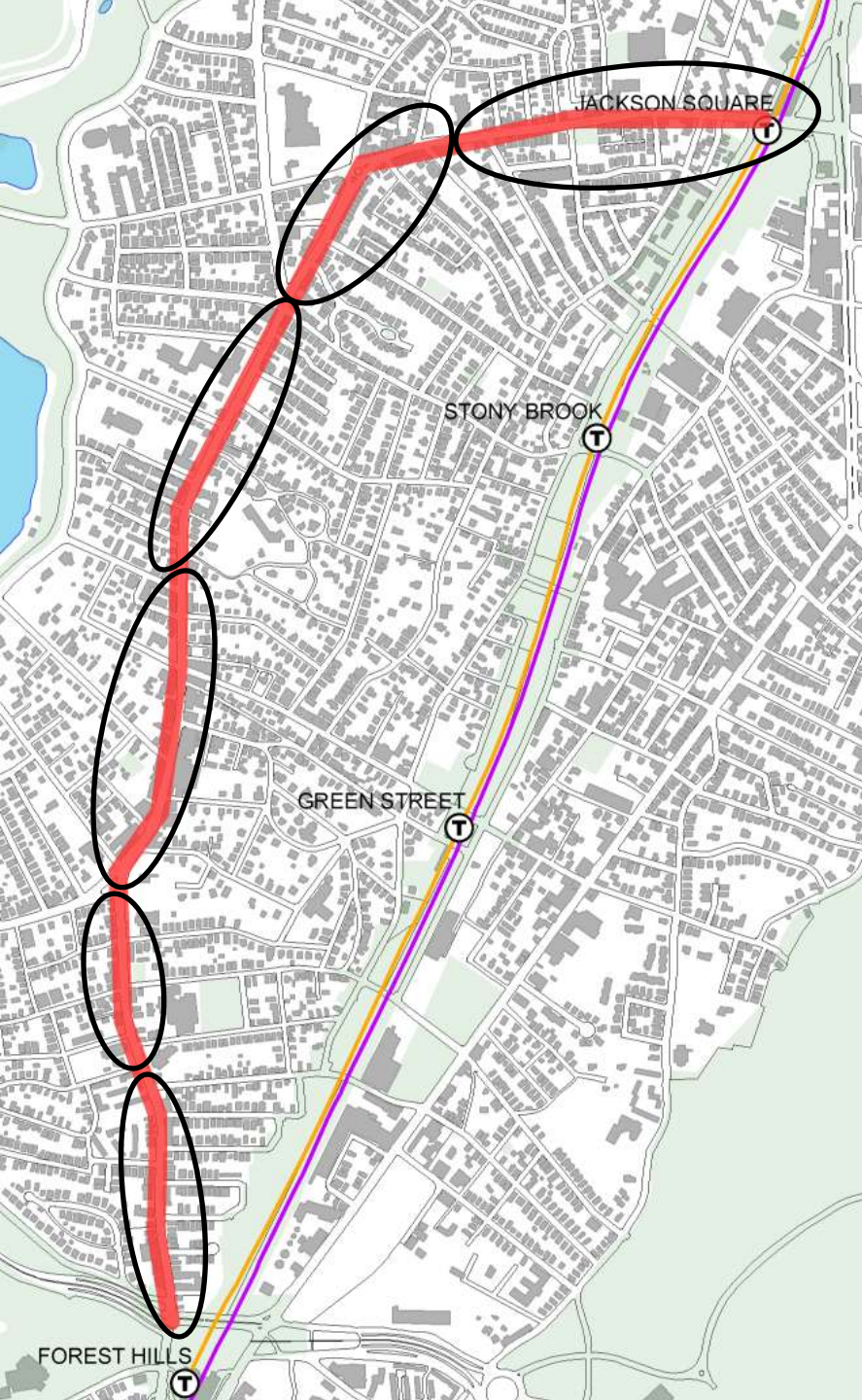
# Corridor-wide Parking Analysis



- 612 total on-street spaces
  - Unregulated: 270 spaces
  - 2 hour limit: 273 spaces
  - 1 hour limit: 70 spaces
  - School zone: 16 spaces
  - Avg. duration: 1.86 hours
- Occupancy peaks 10 AM-1 PM, 5-7 PM



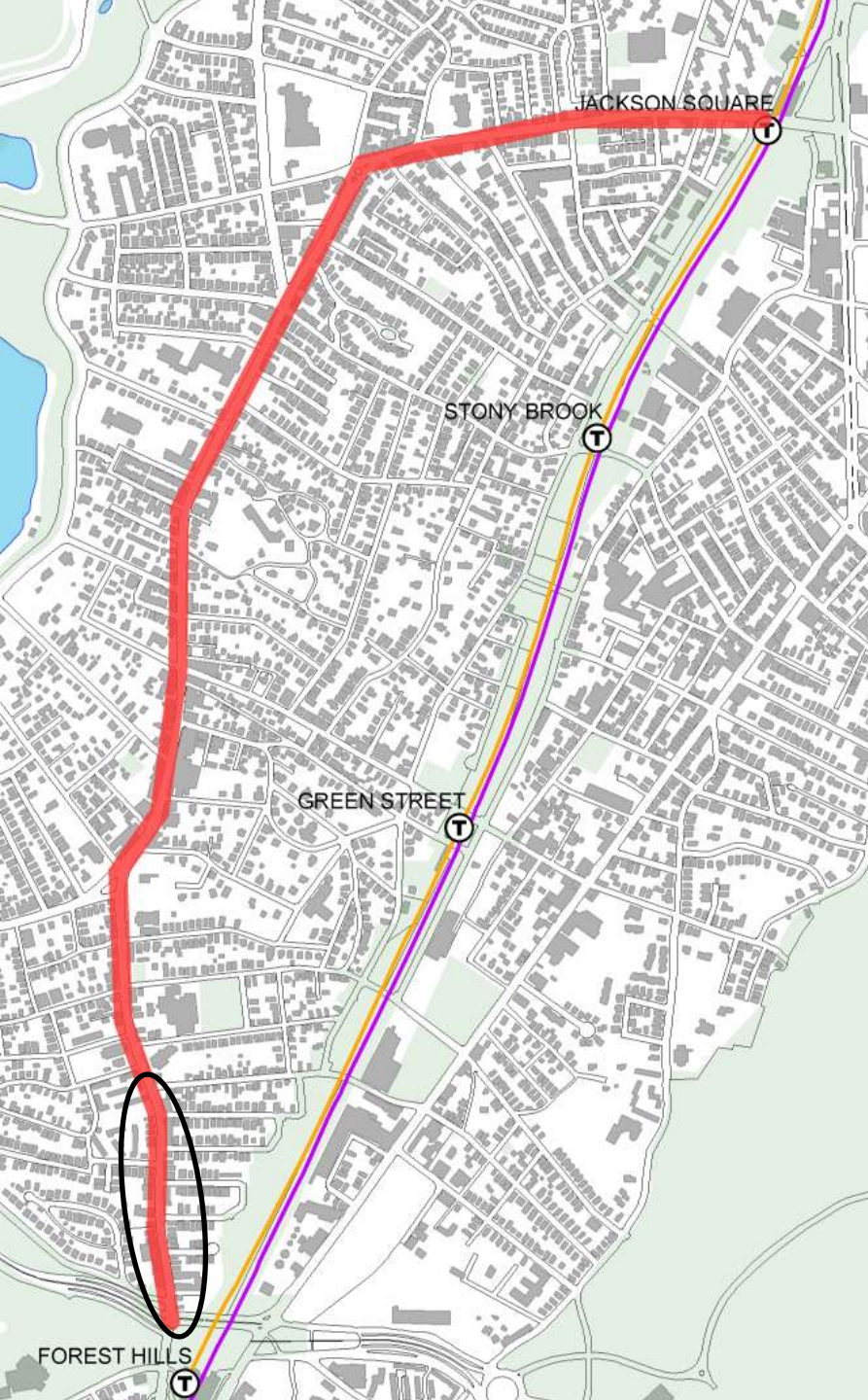
# Corridor-wide Parking Analysis



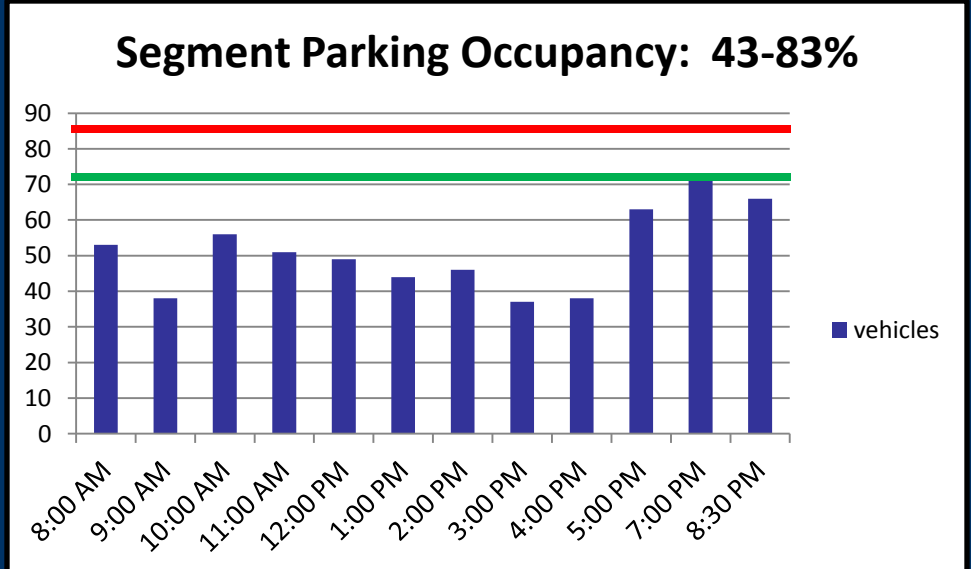
- **Forbes Street to Jackson Square**
  - 41-74% occupancy
- **Moraine Street to Forbes Street**
  - 52-85% occupancy
- **Pond Street to Moraine Street**
  - 25-55% occupancy
- **Monument Square to Pond Street**
  - 47-99% occupancy
- **McBride Street to Monument Square**
  - 34-56% occupancy
- **St. Mark Street to McBride Street**
  - 43-83% occupancy



# St. Mark Street to McBride Street



- 86 total spaces
  - Unregulated: 71 spaces
  - 2 hour limit: 15 spaces
  - Avg. duration: 2.04 hours
- Parking peaks after 5 PM
- Primarily residential

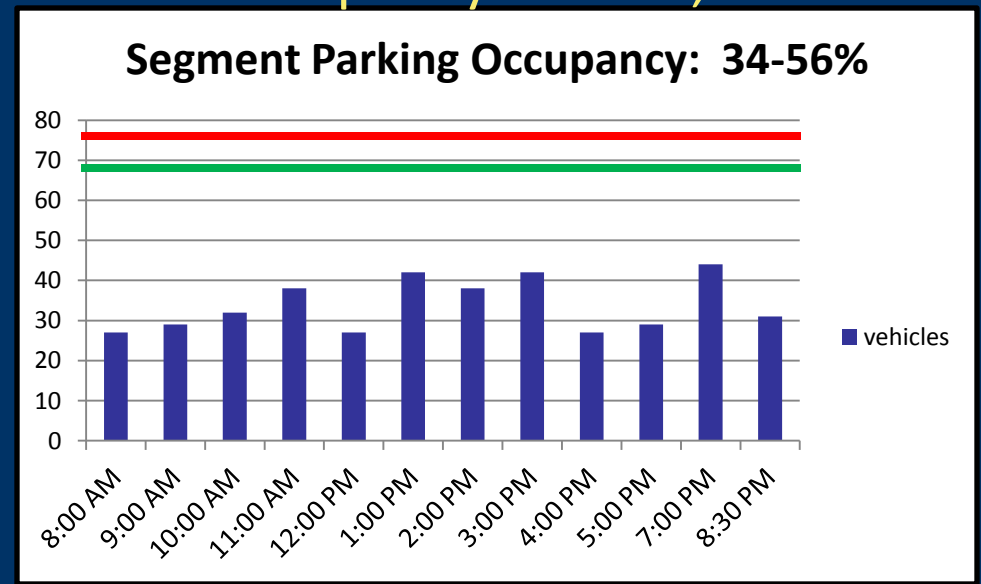




# McBride Street to Monument Square



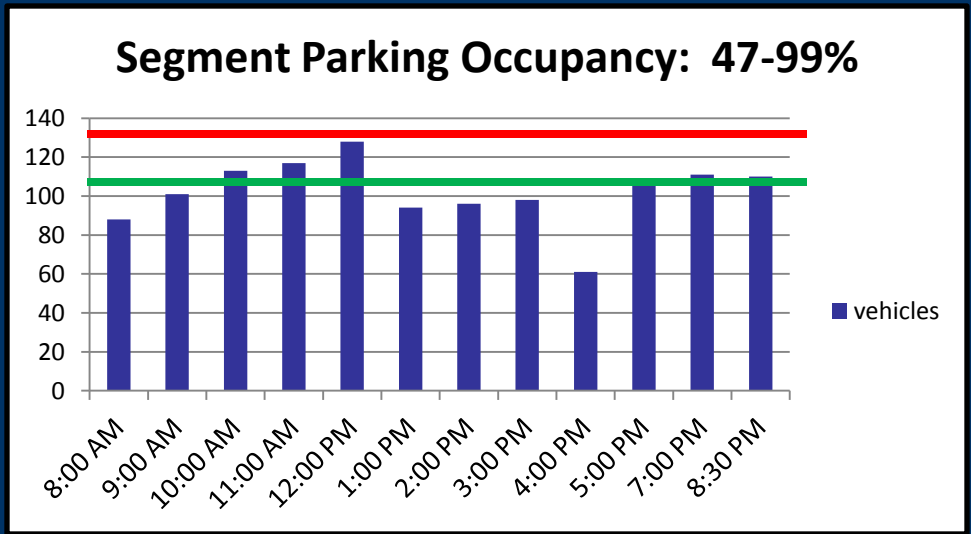
- 79 total spaces
  - Unregulated: 21 spaces
  - 2 hour limit: 58 spaces
  - Avg. duration: 2.11 hours
- Avg. duration exceeds regulation
- Peak occupancy 1-4 PM, 7 PM



# Monument Square to Pond Street



- 129 total spaces
  - Unregulated: 37 spaces
  - 2 hour limit: 22 spaces
  - 1 hour limit: 70 spaces
  - Avg. duration: 1.49 hours
- 80% park < 1 hour; 10% park > 3 hrs
- Move off-street? Pricing options?



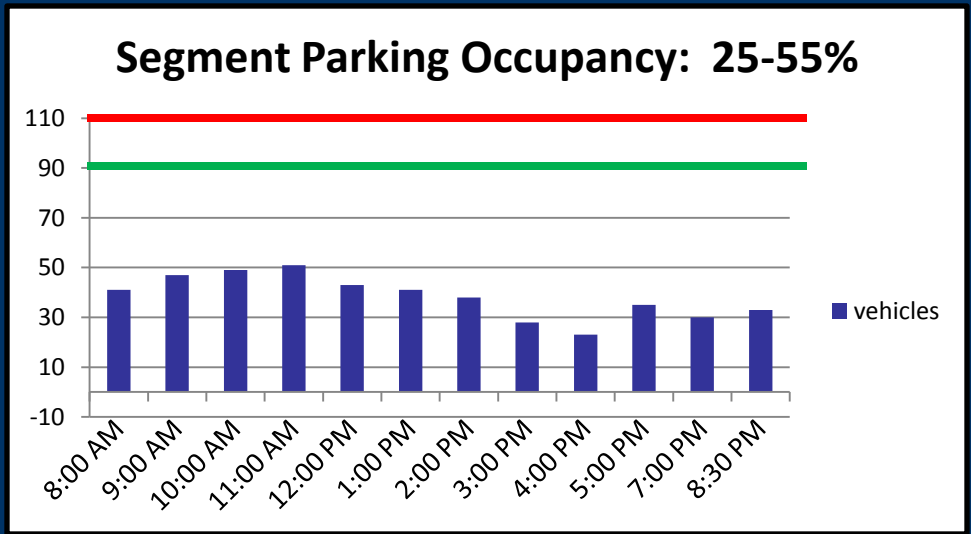




# Pond Street to Moraine Street



- 109 total spaces
  - Unregulated: 53 spaces
  - 2 hour limit: 40 spaces
  - School zone: 16 spaces
  - Avg. duration: 25-55%
- Occupancy drops after 2 PM
- Lowest % occupancy in corridor

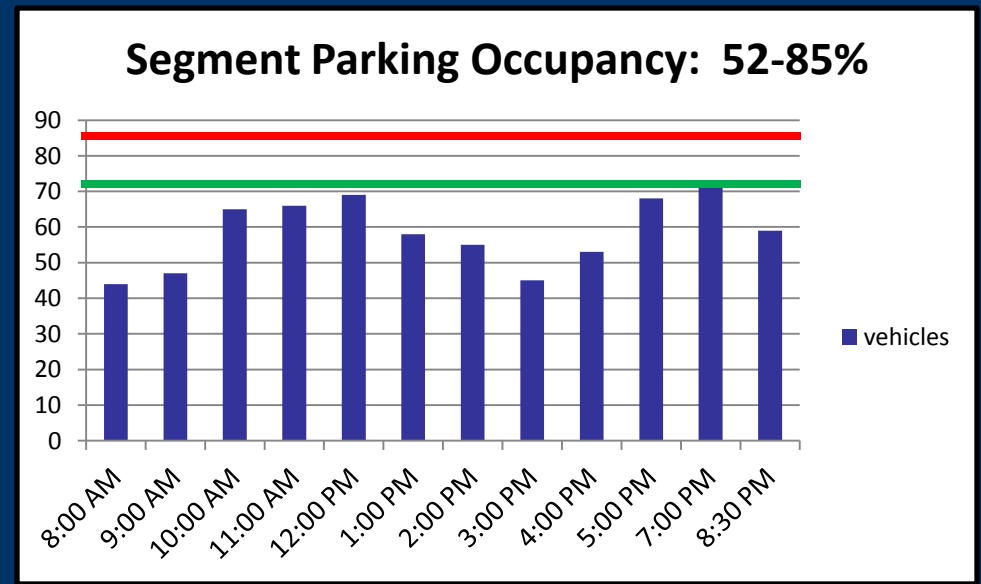




# Moraine Street to Forbes Street



- 85 total spaces
  - Unregulated: 68 spaces
  - 2 hour limit: 17 spaces
  - Avg. duration: 1.87 hours
- 85% park < 2 hours
- 15% park > 6 hours

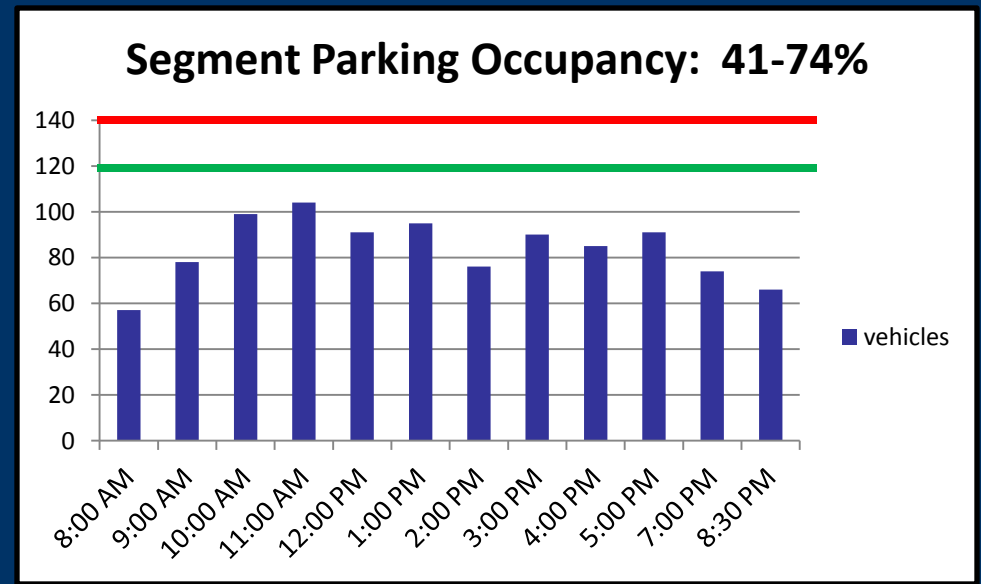




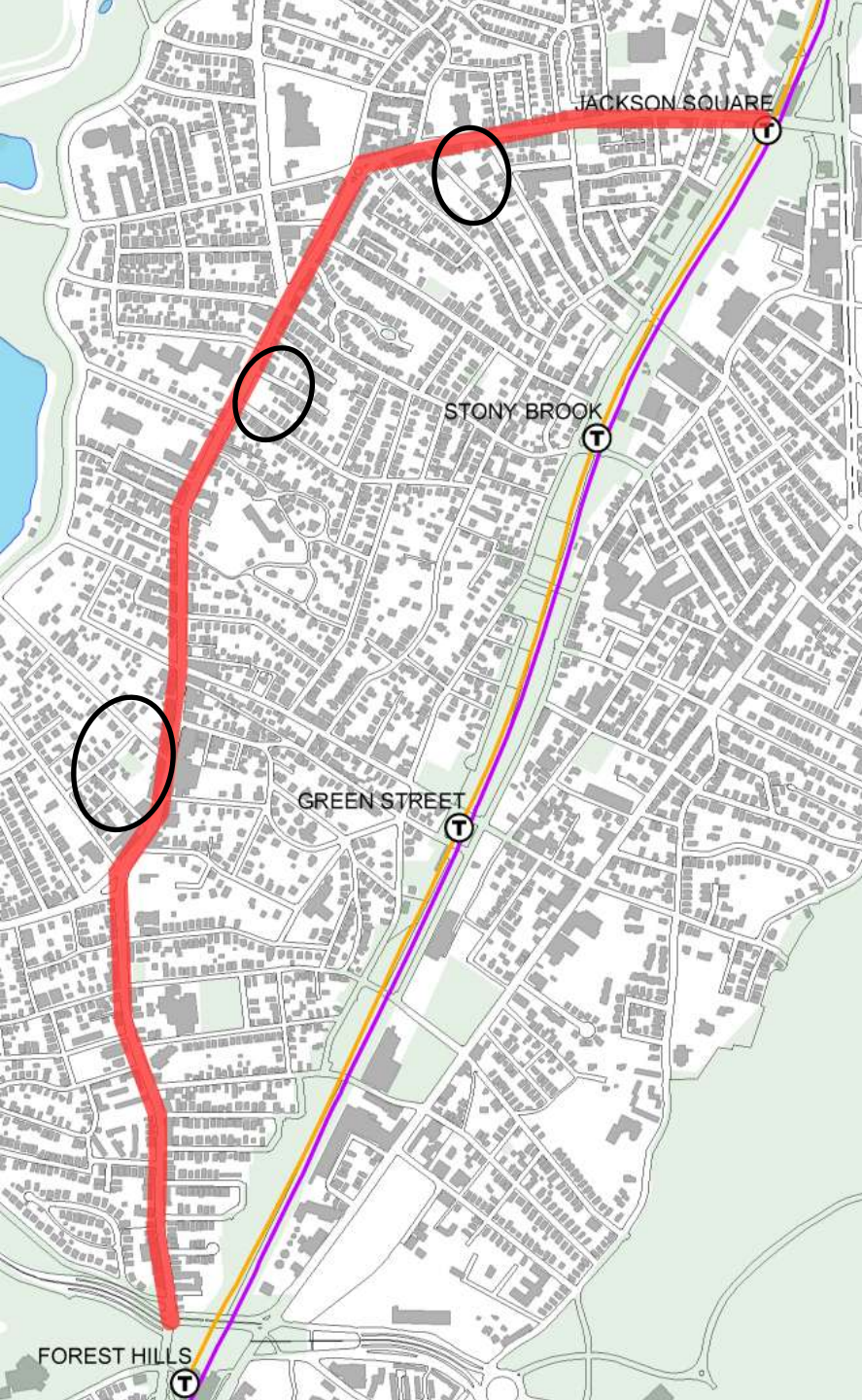
# Forbes Street to Jackson Square



- 140 total spaces
  - Unregulated: 23 spaces
  - 2 hour limit: 117 spaces
  - Avg. duration: 1.81 hours
- Mostly 2 hour parking
- Occupancy is more consistent



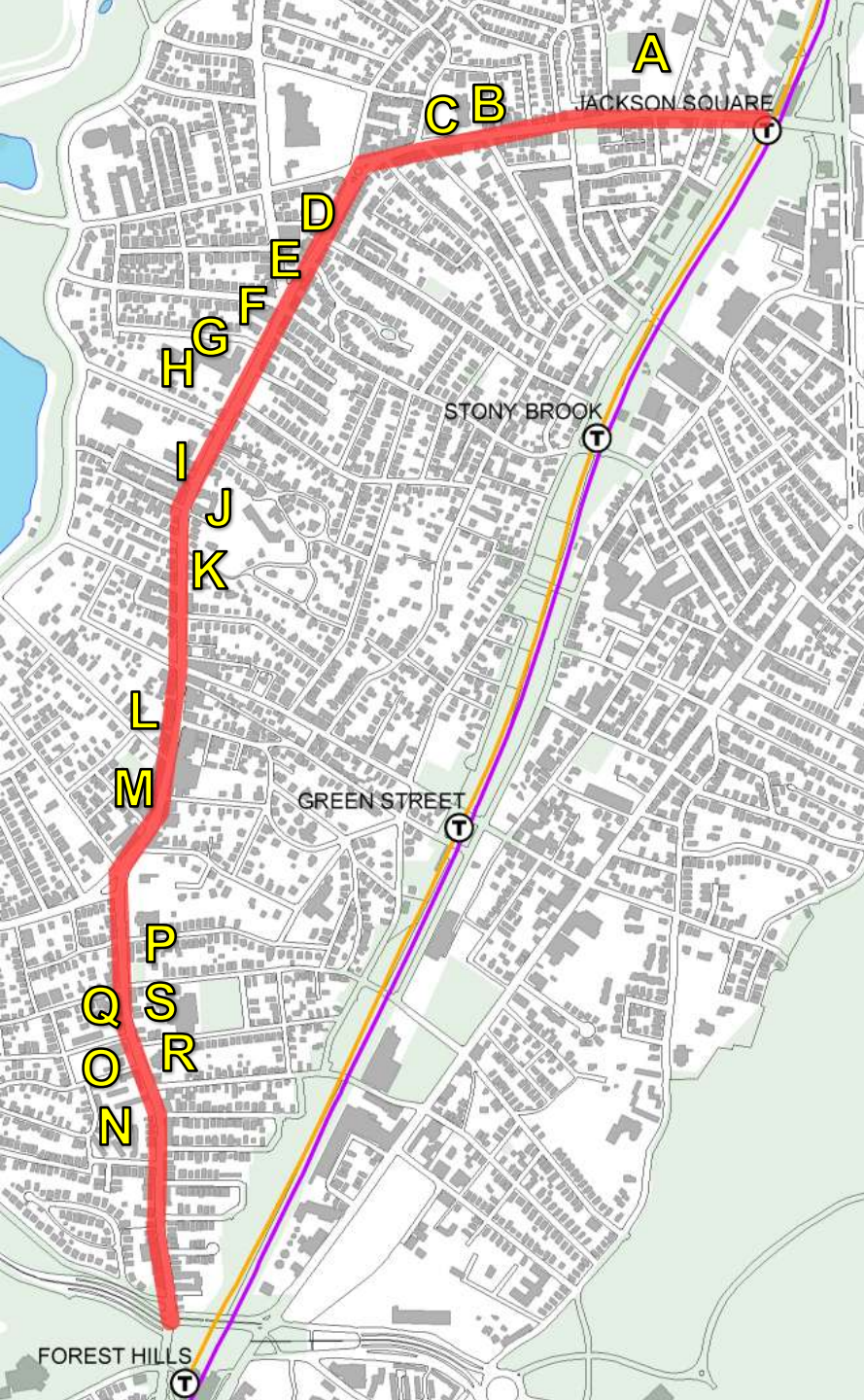
# Off-street Municipal Lots



- **Blessed Sacrament**
  - 24 spaces
  - 42% occupied
- **Curley School**
  - 33 spaces
  - 70% occupied
- **Blanchard's**
  - 97 spaces
  - 71% occupied



# Off-street Private Lots



Lot	Spaces	Occupancy
(A) Stop & Shop Plaza	246	72%
(B) Blessed Sacrament	17	88%
(C) Creighton & Day	12	33%
(D) HiLo	65	58%
(E) 7-11	15	73%
(F) CVS	28	50%
(G) Morrison's	20	90%
(H) Curley School	46	96%
(I) Apartments (opp Robinwood)	14	100%
(J) Apartments (opp Burrage)	22	64%
(K) West Cork Auto	17	94%
(L) Burroughs	50	94%
(M) Blanchard's	15	100%
(N) Metcalf	47	--
(O) St. Thomas Aquinas	55	--
(P) McBride	25	--
(Q) Atwood Sq.	24	--
(R) Agassiz School	18	--
(S) Carolina	18	--



# Meeting Agenda

- Schedule Overview
- Updates
  - Hyde Square
  - Bicycle Accommodations
- Concept Design Areas
  - Monument Square
  - Mozart Park/JP Plaza
- Parking Analysis
- Public Comment & Next Steps

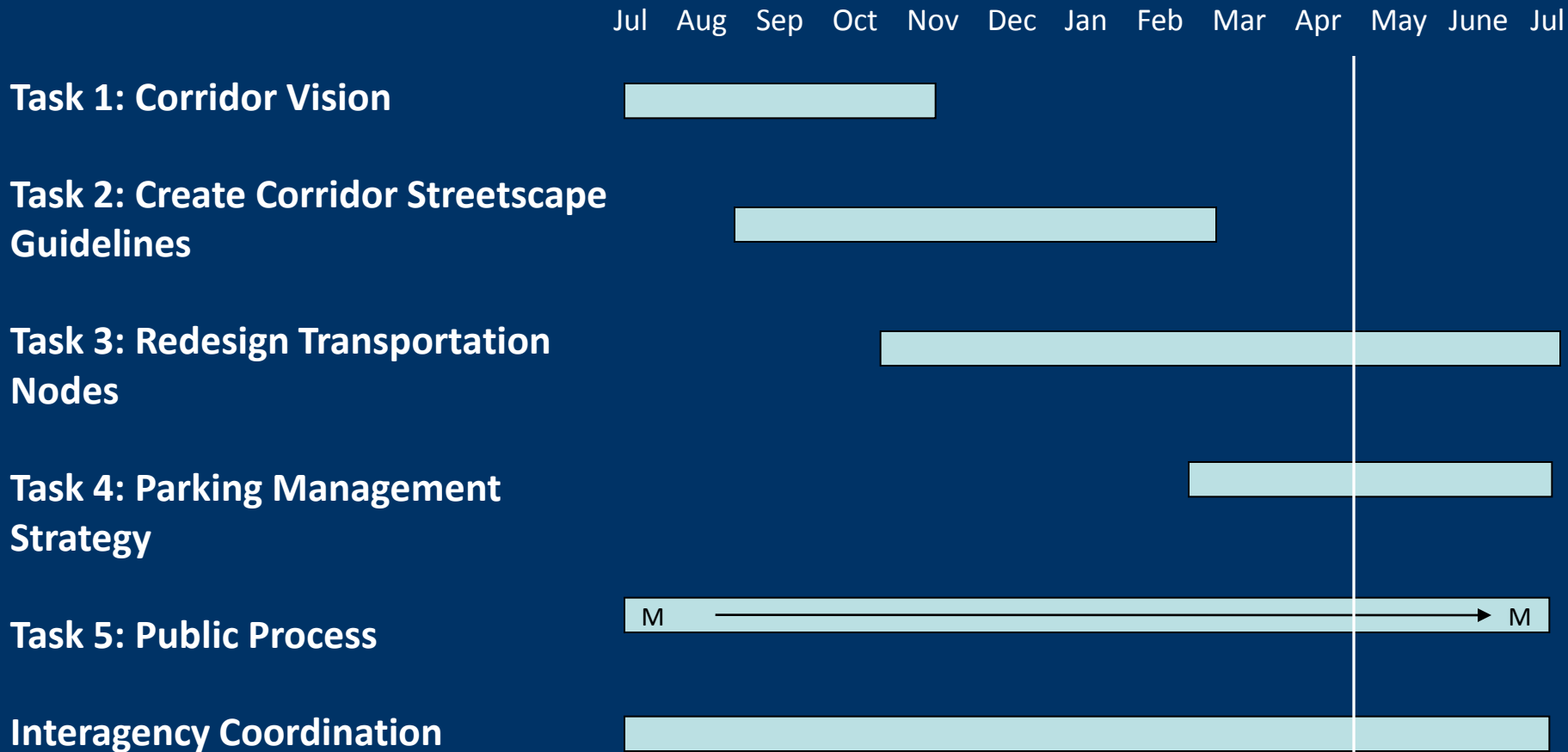


# Next Steps

- CAC Meeting 9 – 10
  - >Progress Design
  - >Final Design
  - >Draft report
  - >Final Report



# Next Steps



M: Meeting