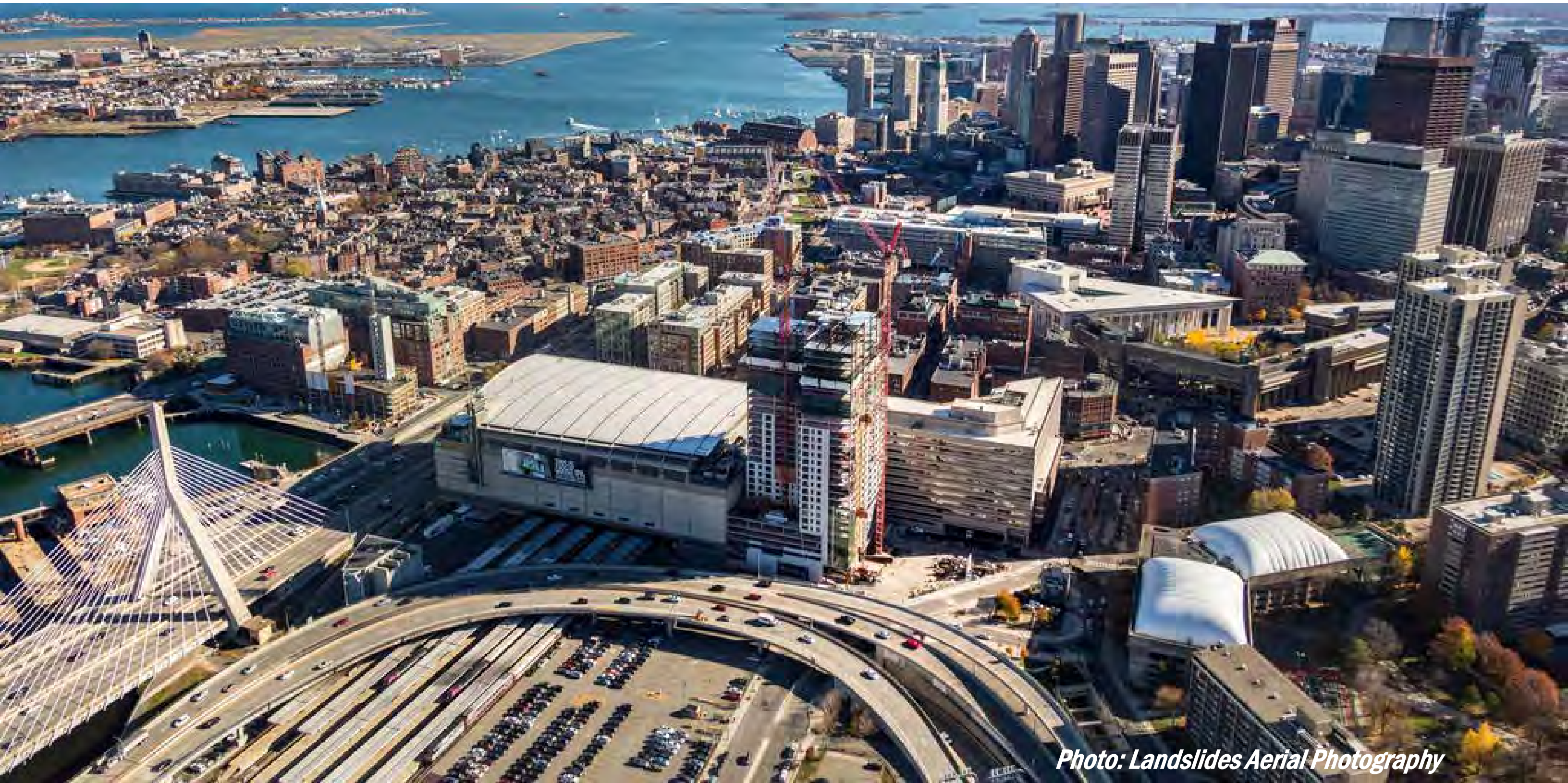


# North Station Area Mobility Action Plan



Second Public Meeting; September 7, 2016

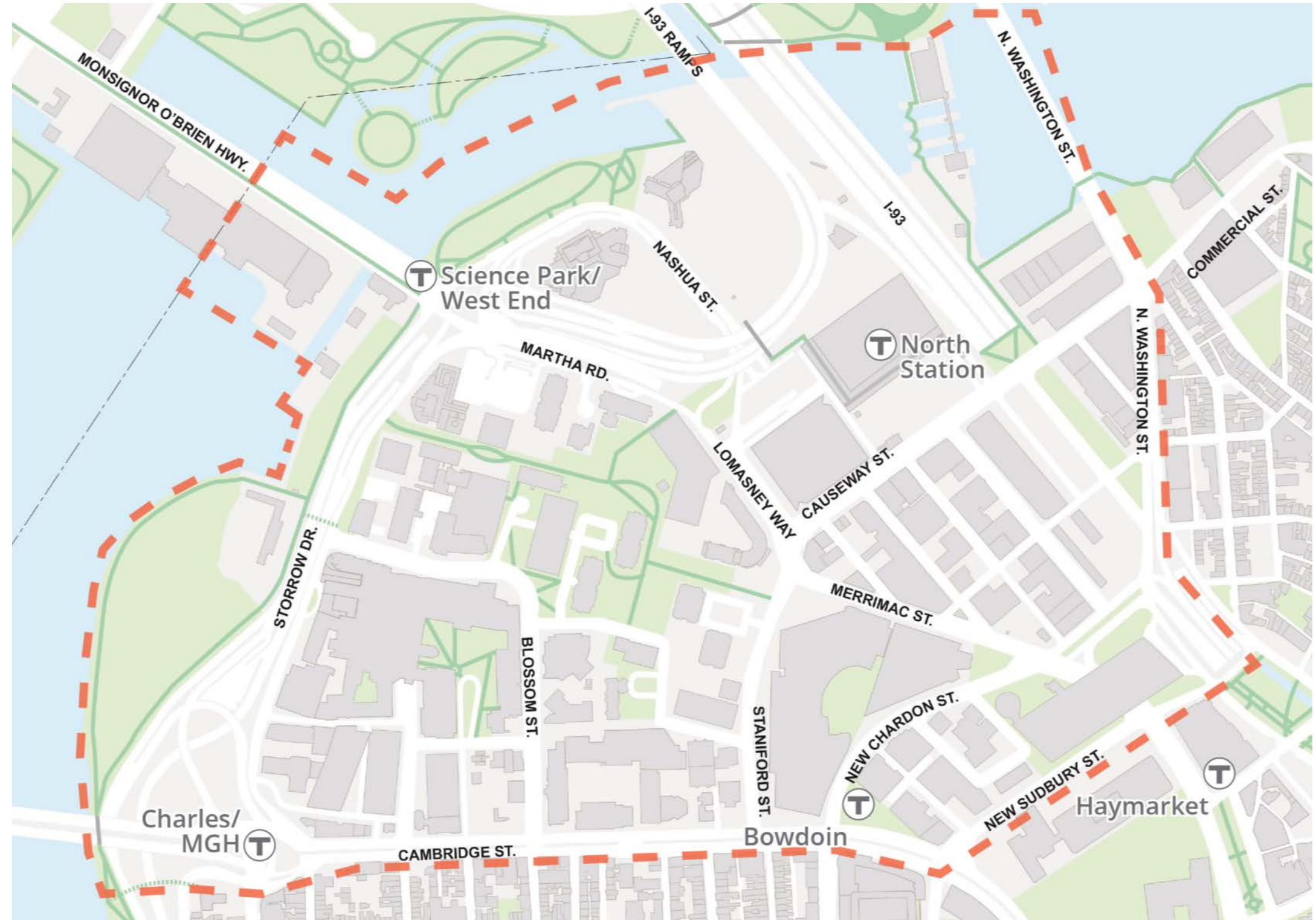


*Photo: Landslides Aerial Photography*

# Agenda



- I. Welcome
- II. Focus 40
- III. Review of Public Input
- IV. Shared Goals
- V. TDM, Complete Streets and Local Projects
- VI. Breakout Sessions: Draw your vision for the future.



# Project Timeline



## ■ JUNE – JULY

- Existing Conditions and First Public Meeting

## ■ JULY – SEPTEMBER

- Goals and Vision

## ■ SEPTEMBER – NOVEMBER

- Develop and Analyze Potential Improvements

## ■ OCTOBER – DECEMBER

- Incorporating Public Feedback into Improvements, including design for top 1 to 3

## ■ JANUARY

- Draft Action Plan for Public Comment

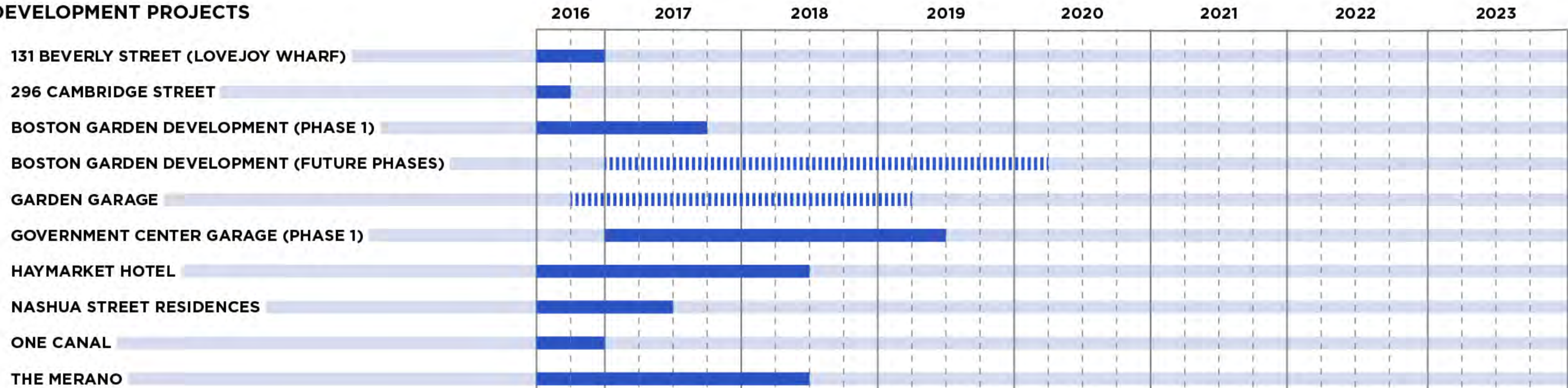
## ■ FEBRUARY

- Final Action Plan

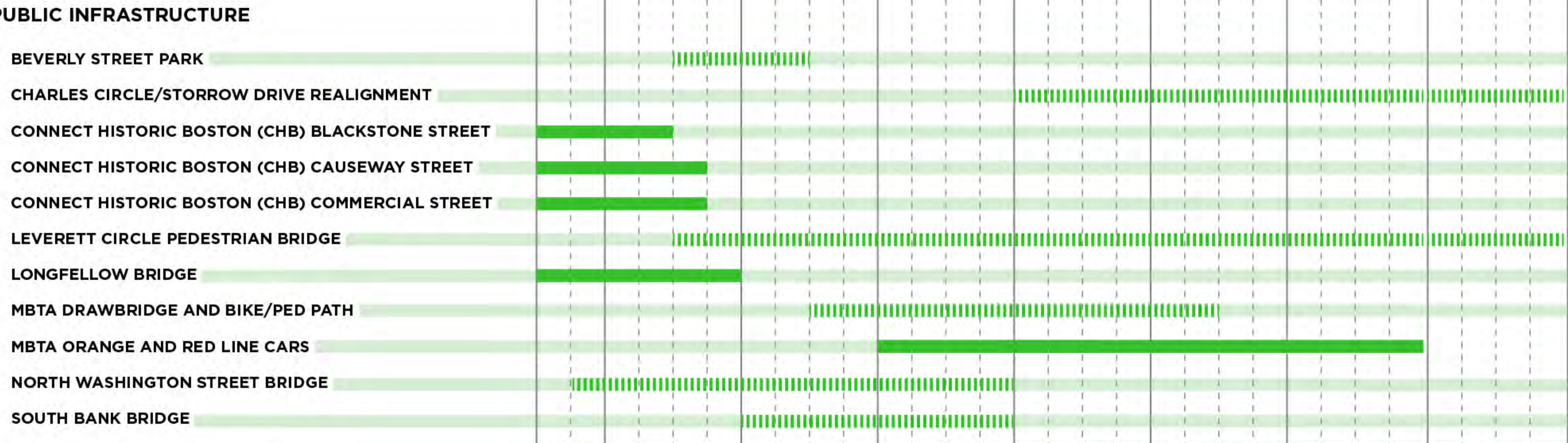
# Construction Schedules



## DEVELOPMENT PROJECTS



## PUBLIC INFRASTRUCTURE

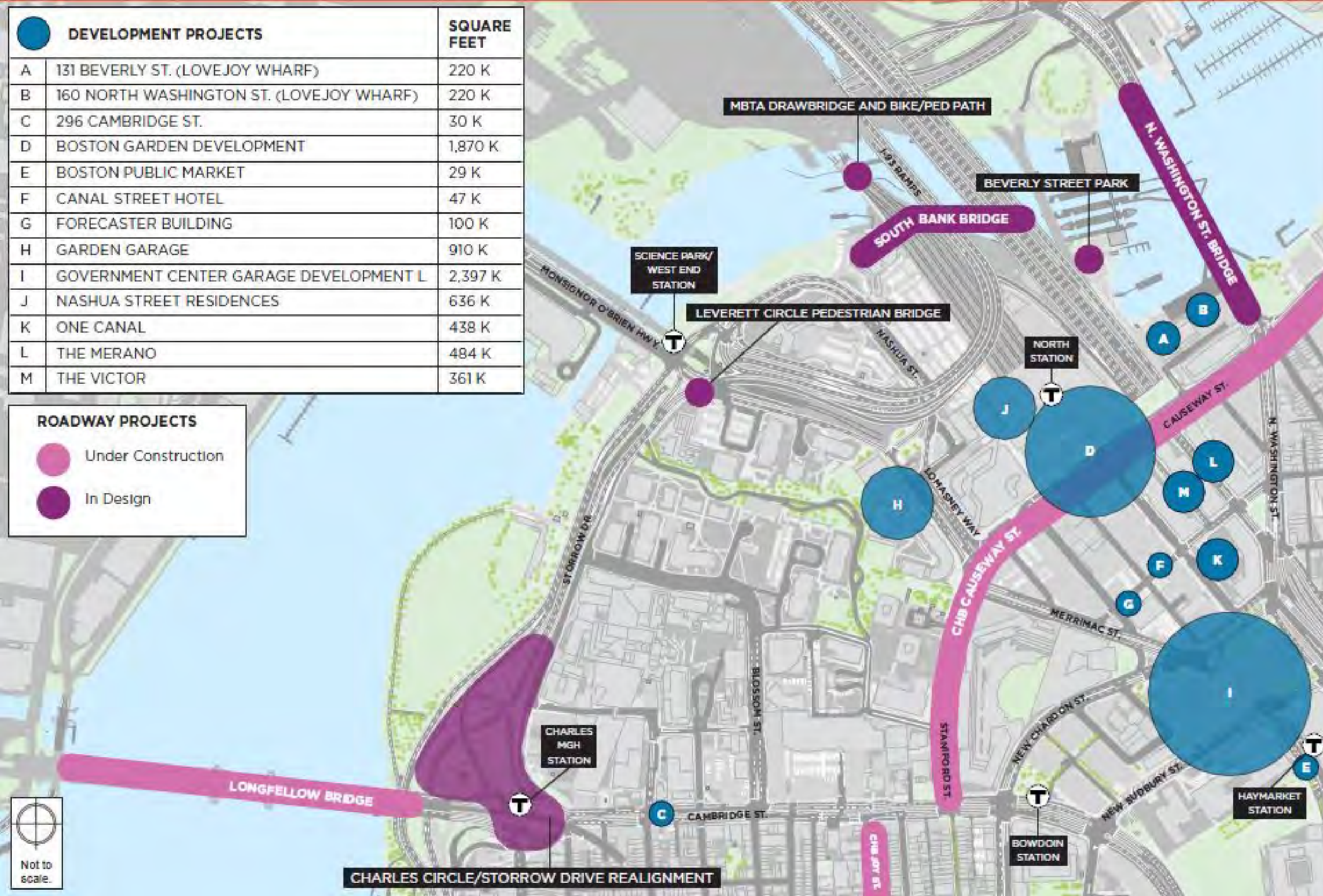


# Development and Infrastructure Projects

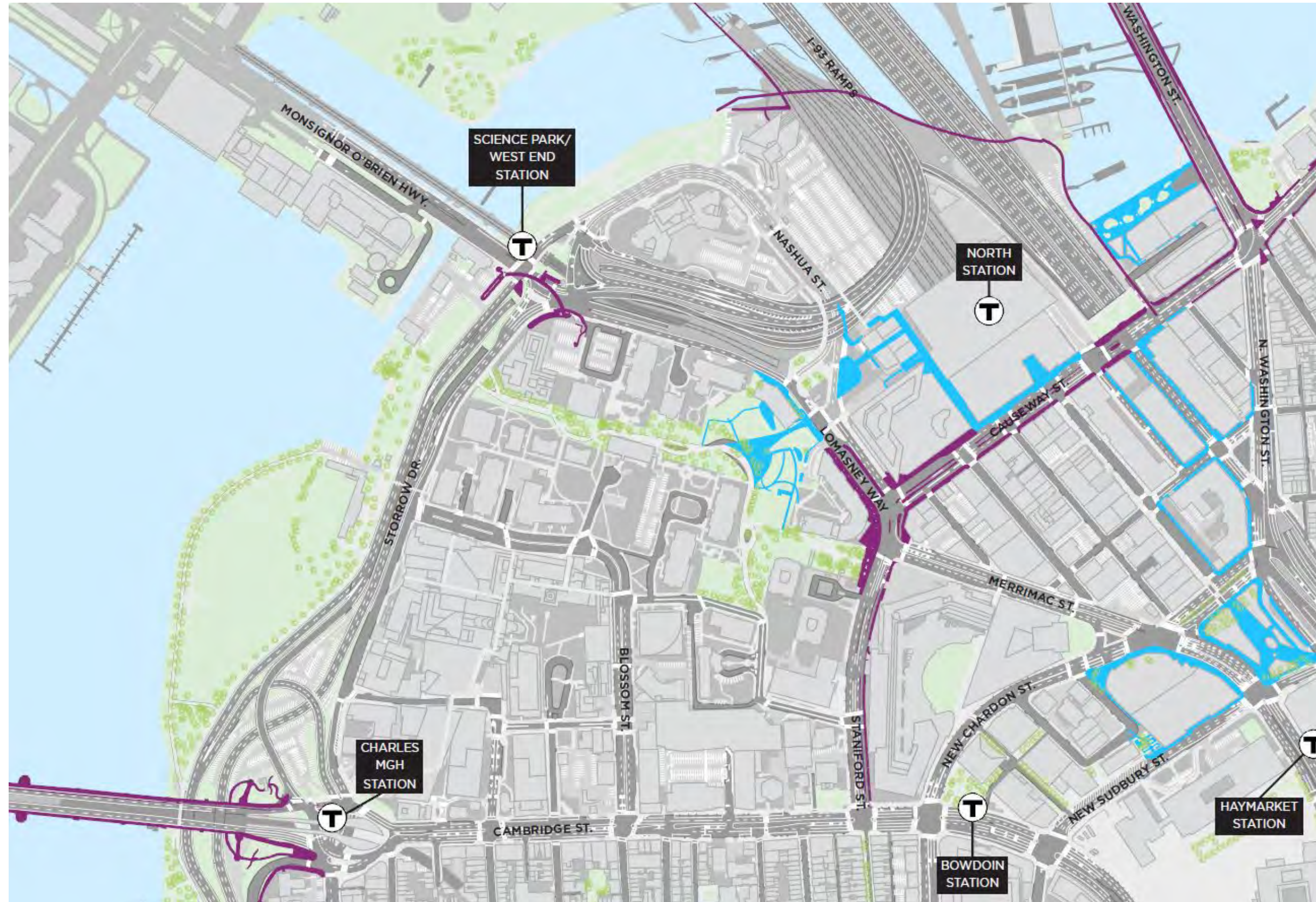


DEVELOPMENT PROJECTS		SQUARE FEET
A	131 BEVERLY ST. (LOVEJOY WHARF)	220 K
B	160 NORTH WASHINGTON ST. (LOVEJOY WHARF)	220 K
C	296 CAMBRIDGE ST.	30 K
D	BOSTON GARDEN DEVELOPMENT	1,870 K
E	BOSTON PUBLIC MARKET	29 K
F	CANAL STREET HOTEL	47 K
G	FORECASTER BUILDING	100 K
H	GARDEN GARAGE	910 K
I	GOVERNMENT CENTER GARAGE DEVELOPMENT L	2,397 K
J	NASHUA STREET RESIDENCES	636 K
K	ONE CANAL	438 K
L	THE MERANO	484 K
M	THE VICTOR	361 K

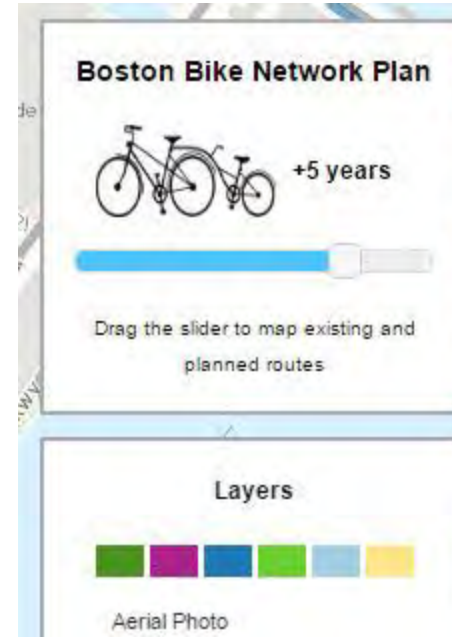
ROADWAY PROJECTS	
<span style="color: #e91e63;">●</span>	Under Construction
<span style="color: #9c27b0;">●</span>	In Design



# Infrastructure Improvement Commitments



# Action Plan



Develop a variety of improvements for all modes, identify community priorities, and prioritize projects for implementation based on vision, feasibility, and cost

# Project Team



## ■ City Team

- Boston Redevelopment Authority
- Boston Transportation Department
- Office of Neighborhood Services
- Public Works Department

## ■ Consultant Team

- Howard Stein Hudson (HSH) – Transportation Engineering
- NBBJ – Urban Design and Visioning
- Marlene Connor Assoc. - Transit



# Overview of Public Meetings



- **Late June:** *Define the Problems and Share Your Visions and Ideas*
- **TODAY:** **Establish Shared Goals, Develop Strategies and Vision**
- **September 20:** *Review Future Conditions and Brainstorm-List of Potential Action Items and Gather Feedback*
- **October:** *Prioritize Options using Shared Goals (Benefits), Feasibility and Cost*
- **November-December:** *Develop a Concept for One or More Top Short-Term Alternatives*
- **January:** *Introduce Draft Action Plan + Collect Feedback*

## WHAT IS FOCUS40?

A 25-year strategic vision for how the MBTA can meet the needs of the Greater Boston region in 2040.

- Thorough public **engagement** process
- Long-term **roadmap** for **state of good repair** and **capacity** investments
- **Clean slate** of new investment ideas
- Call for **municipal partnerships** to provide better transit opportunities



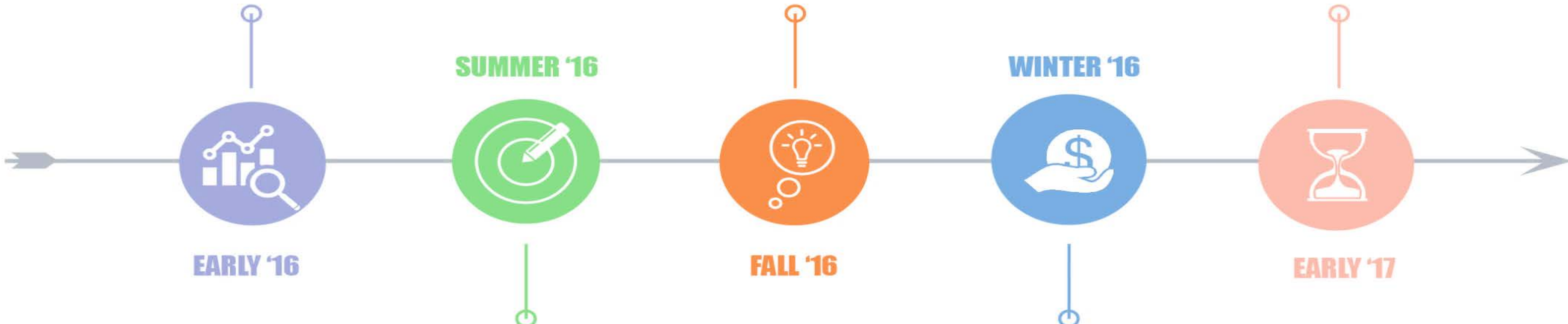
# FOCUS40 PROCESS



Existing Condition  
+  
Future Context

Idea Generation

Focus40 Recommendations



EARLY '16

SUMMER '16

FALL '16

WINTER '16

EARLY '17

Focus40 Objectives  
+  
2040 Scenarios

Evaluation of Investments

State of the System Reports  
+  
Trends Analysis  
+  
Future Demand

Goals Workshops  
+  
Continuum

Internal Strategies  
+  
Public Input

Against 2040 Scenarios and Objectives

# FOCUS40 PROCESS

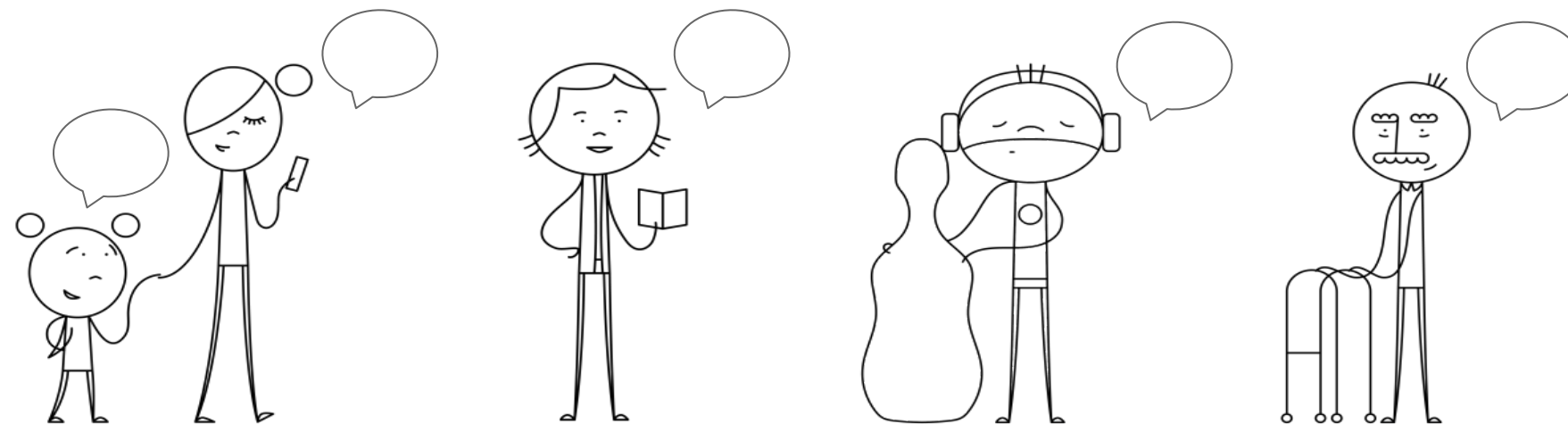


## Idea Generation



FALL '16

**FOCUS40 OPEN HOUSE**  
**October 13<sup>th</sup>, 5pm-8pm**  
**Bolling Building, Dudley Sq.**



# Community Engagement



**NORTH STATION AREA MOBILITY ACTION PLAN**

Click **ADD POINTS** below to add to the map. Add as many points as you would like.

Where would you improve transportation around North Station?

ADA Bicyclist Driver Pedestrian Transit Rider

North Station Area Mobility Action Plan About & Help - ADD POINTS BRA Project Site



# Public Meeting: June 28, 2016



## Feedback Categories

- Enforcement of existing rules
- Improve wayfinding during construction
- Reduce demand for driving
- Manage high pedestrian volumes
- Reduce confusion across modes



# Pop Up Sessions



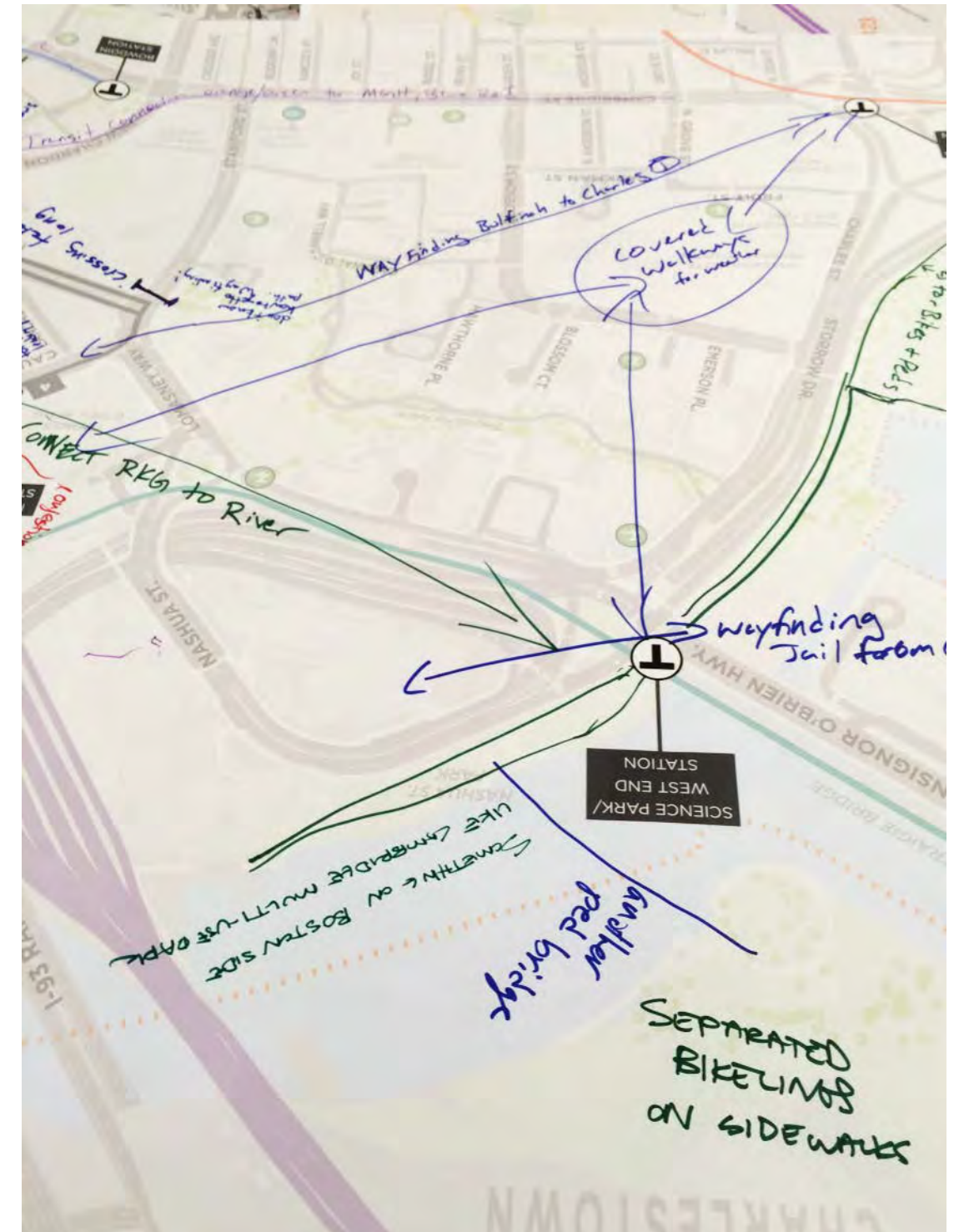
- 4-6pm Wed., 8/3  
Thoreau Path
- 11-1pm Thurs., 8/4  
Cambridge Street/Whole Foods
- 4-6pm Thurs., 8/4  
Gov. Center Garage
- 8-10am Fri., 8/5  
Canal at Valenti Way
- 4-6pm Thurs., 8/11  
North Station



# Pop Up Sessions



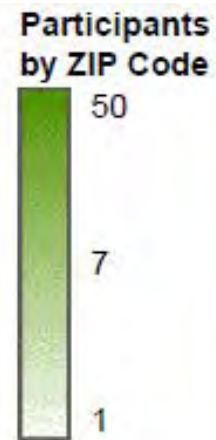
- Create safe bicycle connections to major destinations





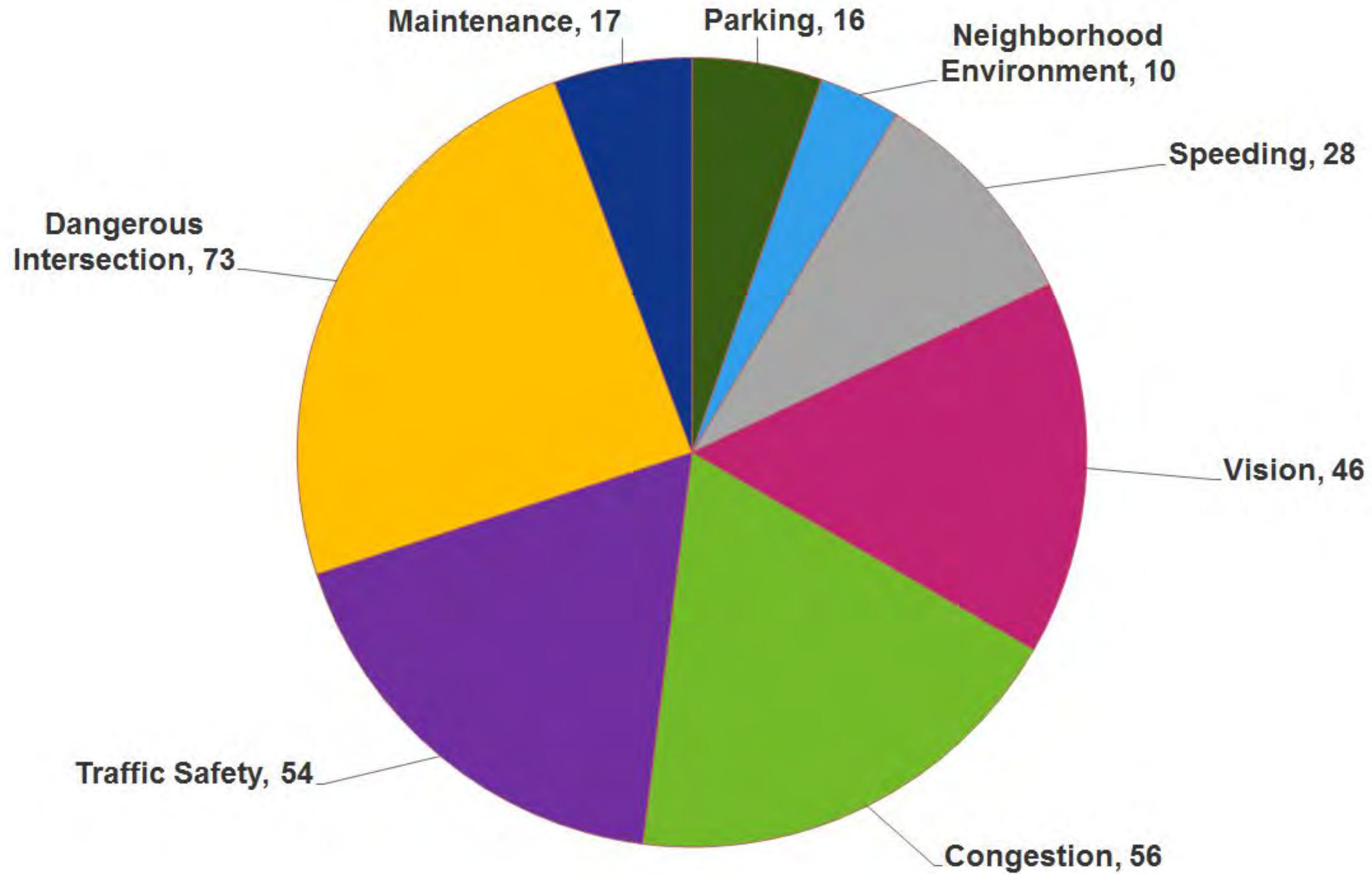


# Wikimap – Participant by ZIP Code

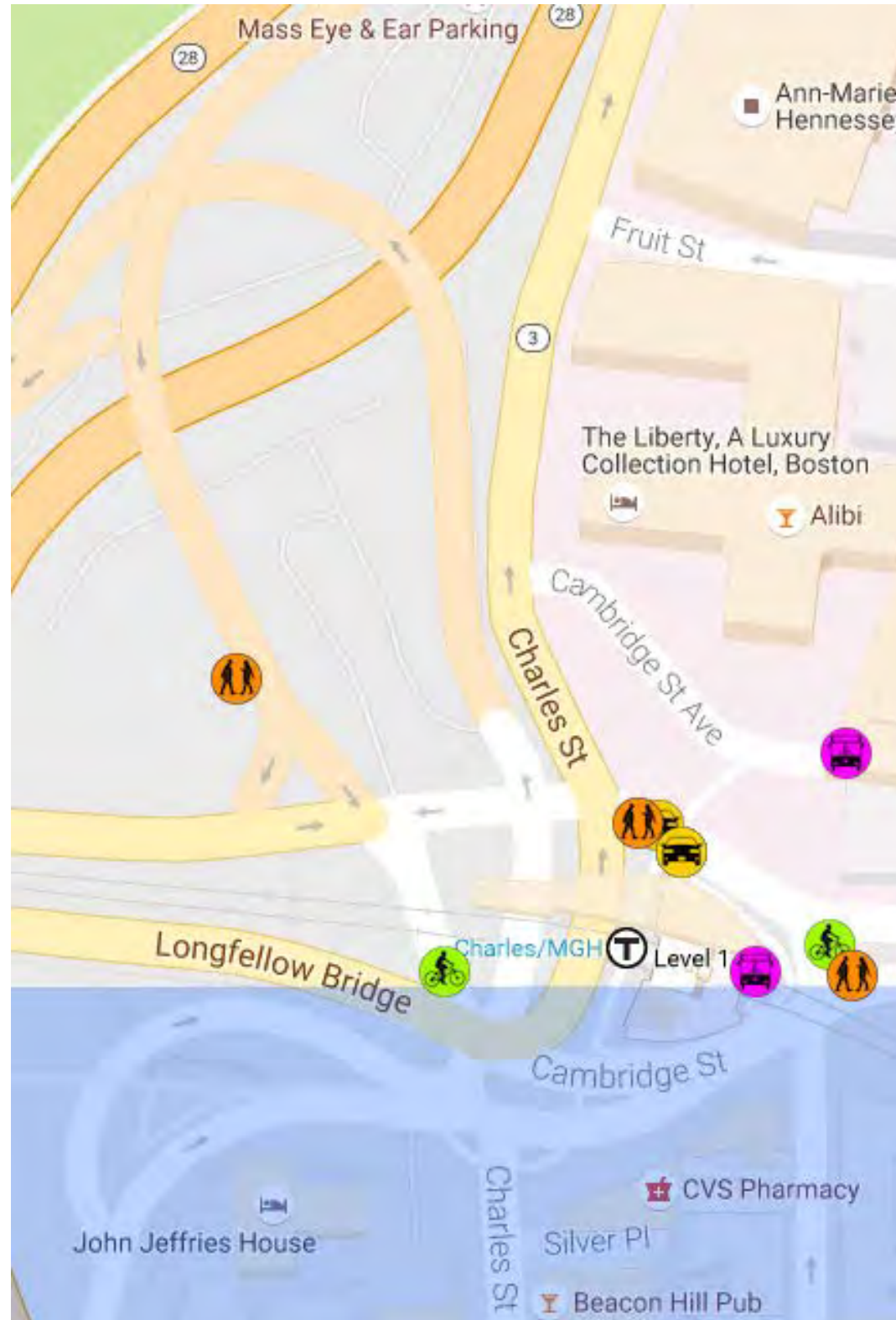


- 186 total pins dropped
- 248 detailed comments provided
- Top participants:
  - West End – 49
  - Charlestown – 9
  - North End – 7
  - Jamaica Plain - 5
  - Metro North Towns – 27

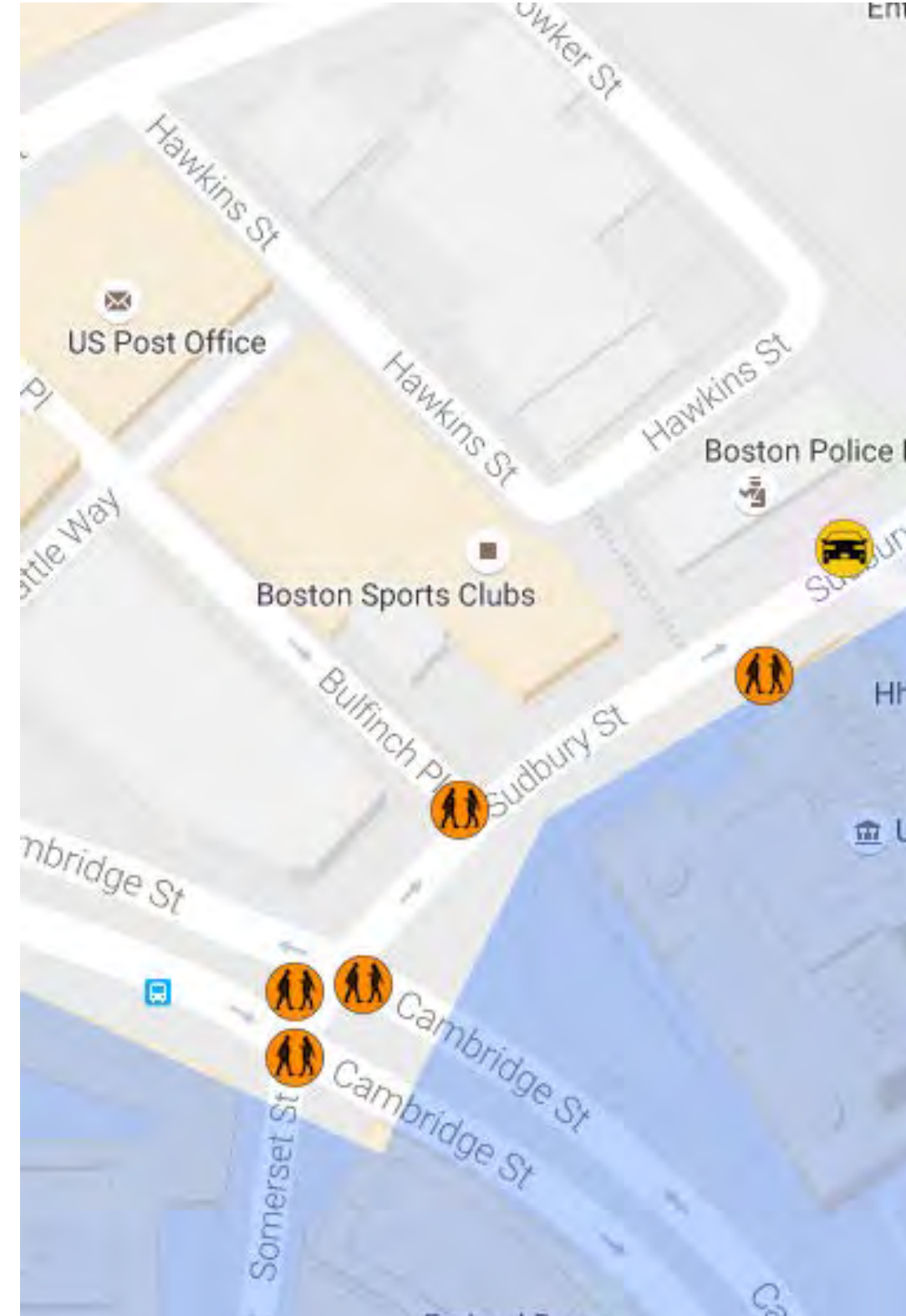
# Wikimap Comment Themes



# Wikimap Comment Clusters



Charles Circle



Sudbury & Cambridge

# Wikimap Comment Clusters



Leverett Circle and Martha Road



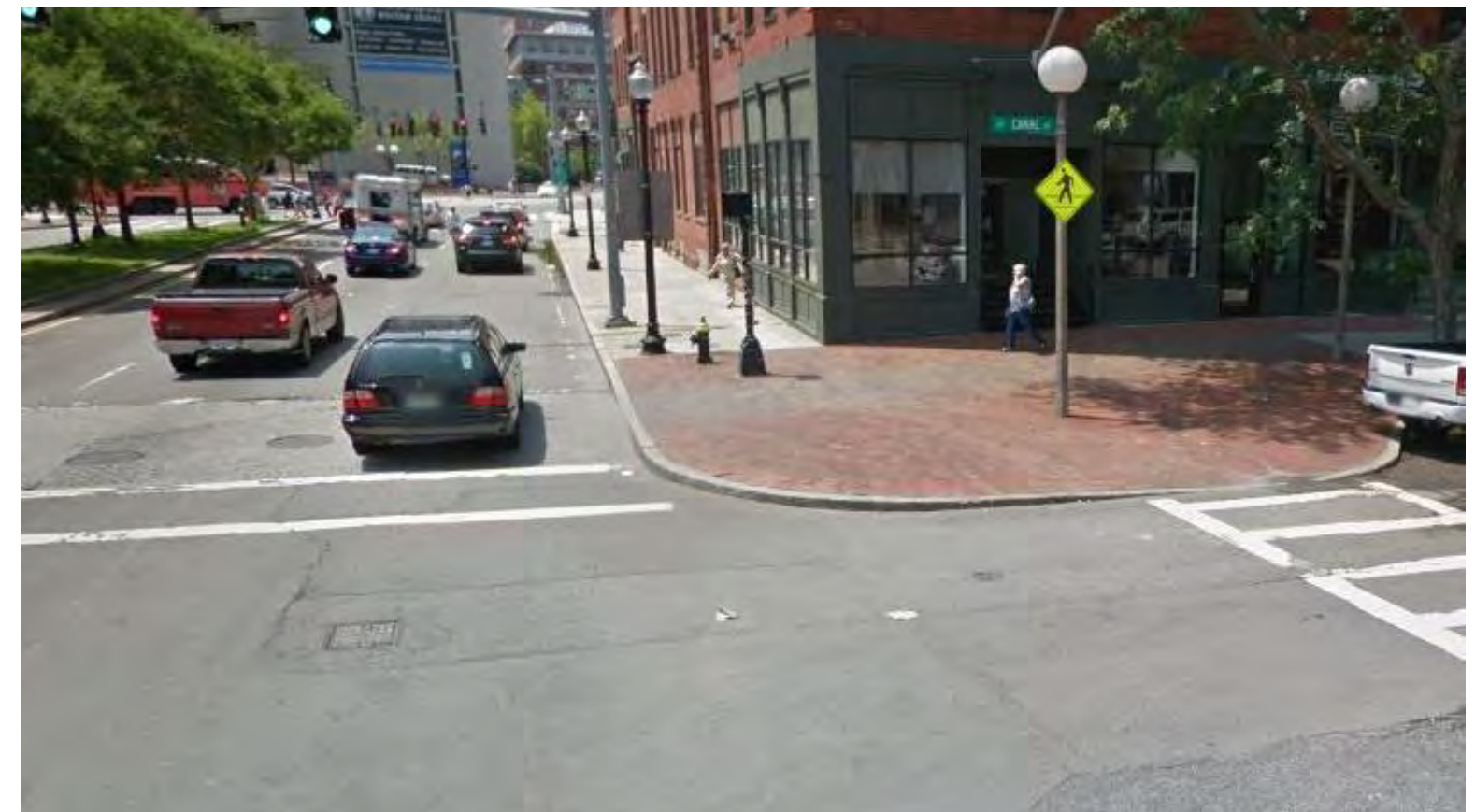
Bulfinch Triangle

# Key Takeaways from Public Process



## ■ Improve safety for all modes

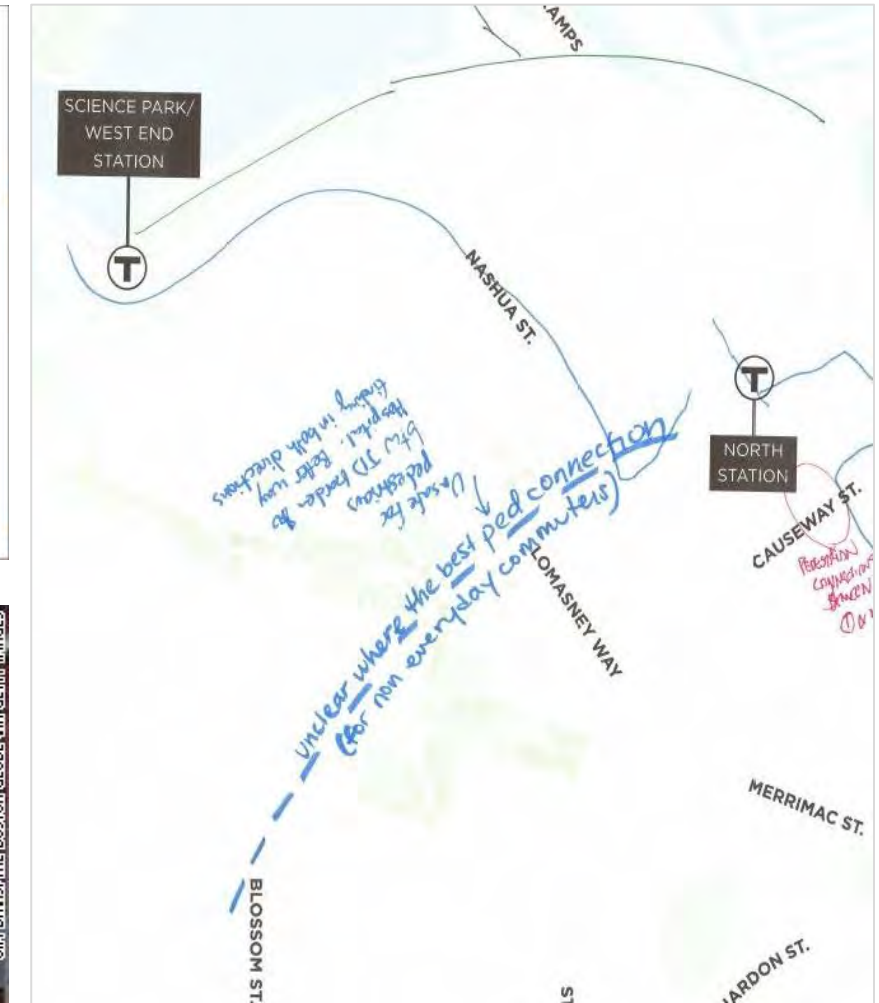
- Improve ADA conditions
- Lower traffic speeds
- Reduce conflicts and crashes



# Key Takeaways from Public Process



- Reduce confusion across modes
  - Make it clear who should be where, when
  - Clarify curbside allocation
  - Improve wayfinding, especially as links to key green space









# Shared Goals



**Safety**



**More Understandable**



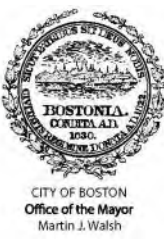
**More Choices**



**Less Congestion**



# Safety for Pedestrians

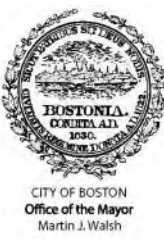


- Increase safety
- Bike-pedestrian conflicts on Martha Road
- Pedestrian crossings need improvement
- Safe access to MBTA stations
- Thoreau Path at night
- Tripping hazards
- Deficient ADA ramps
- Longer crossing times





# Safety for Bikes

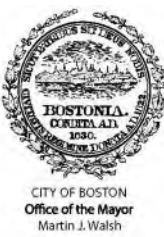


- Left and right turn hazards
- Bikes in the “Door Zone”
- Running red lights





# Safety for Traffic



- **Speeding on:**
  - Sudbury Street
  - Martha Road
  - Charles Street
- **Enforcement**
- **Emergency Access**





# More Understandable Options



- Pedestrian wayfinding
- Better guidance and signage for bikes and motor vehicles
- Tactile warnings
- Different types of poles for bus stops
- Improve audible signals
- More bus and shuttle information





# More Understandable Curbside



## ■ Organize curb uses

- Shuttles
- Tour Buses
- Deliveries
- Taxis
- Pick up/Drop off
- Limos
- Other...





# More Choices to Walk



## ■ Pedestrian Routes

- Thoreau Path to North Station
- New crossing at Hawkins St., Beverly St.
- Access to MGH's buildings
- Pedestrian Zone on Canal St.







# More Choices to Pedal



## ■ Bicycle Routes

- To Craigie Bridge
- To Longfellow Bridge
- To Charlestown
- North-South Station
- On Sudbury Street





# More Choices to Ride



## ■ Transit Services

- Expand transit service
- Public access to shuttles
- Expand Haymarket busway
- North-South Connection
- Red-Blue Connection
- Shelters for shuttle bus stops





# More Choices to Shop Close By



## Local services

- Grocery Store
- Hardware Store
- Large multi-purpose retailer





# Less Congestion

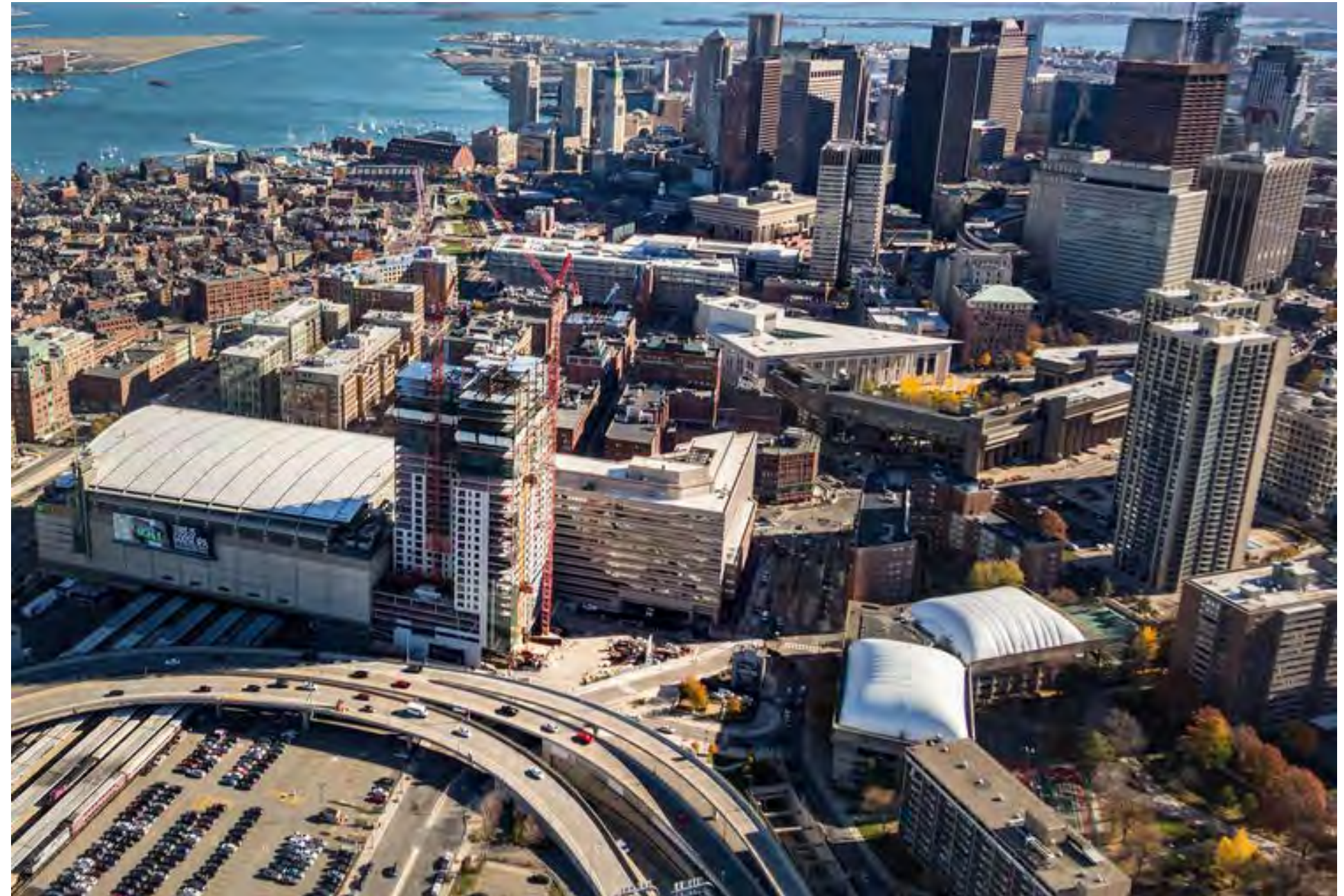


## ■ Understand relationship to:

- I-93
- Ted Williams Tunnel
- Sumner Tunnel
- N. Washington Bridge

## ■ Examine Operations at:

- Lowell Square
- Leverett Circle
- Keany Square
- Charles Circle

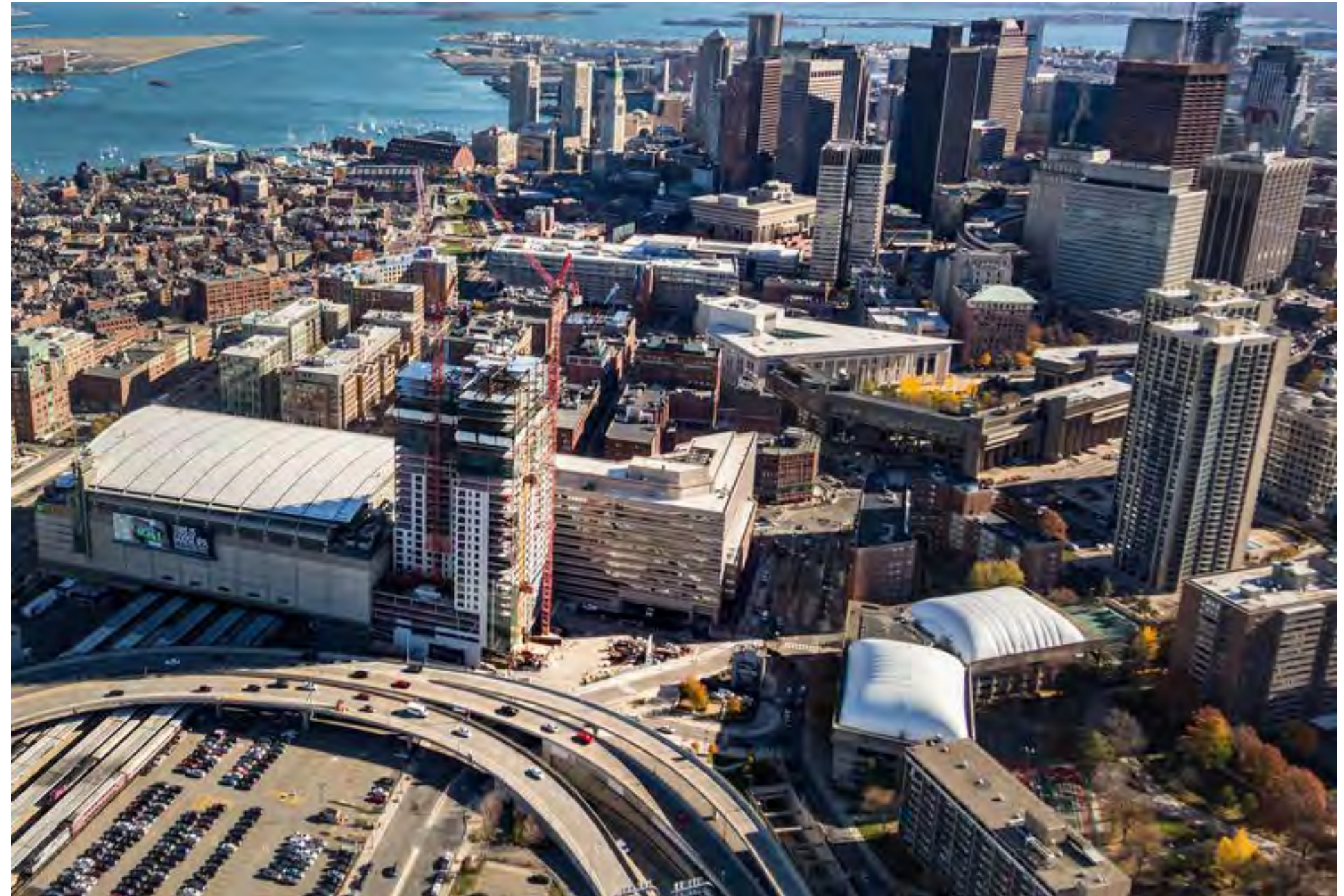




# Less Congestion



- Block the Box Markings
- Event Parking North of the Charles
- Reduce Demand?



# Transportation Demand Management



## *Definition:*

The application of strategies and policies to reduce travel demand (specifically that of single-occupancy vehicles), or to redistribute this demand in space or in time.





# Less Congestion



## Congestion Options



Bus



Bicycles



SOVs

# TDM Strategies



- Improve Transportation Choices

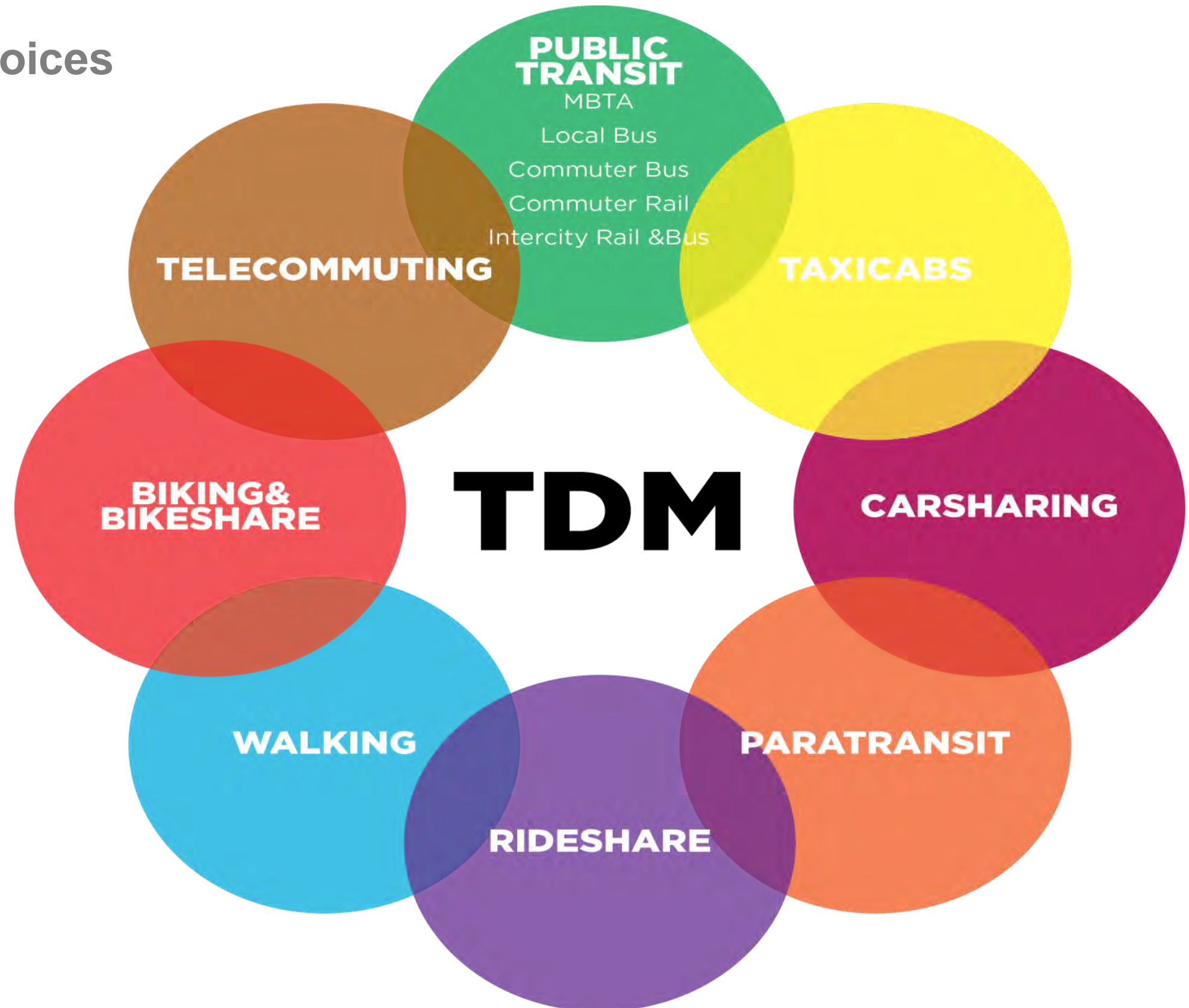




# TDM Strategies



- Improve Transportation Choices



# TDM Strategies



## ■ Incentives to choose other modes and reduce driving

Massachusetts Bay Transportation Authority  
*Driven by Customer Service*

**charlie's here!**

- Convenient
- Easy-to-use
- Flexible

ABC TMA  
A BETTER CITY  
TRANSPORTATION MANAGEMENT ASSOCIATION

Member Login Login Contact

Create a commuter profile

HOME ABOUT FOR COMMUTERS EMPLOYER SERVICES BUILDING SERVICES NEWS & EVENTS

**Enjoy Daily Workouts**

It's time to turn your commute into your daily workout routine!

+ Learn more



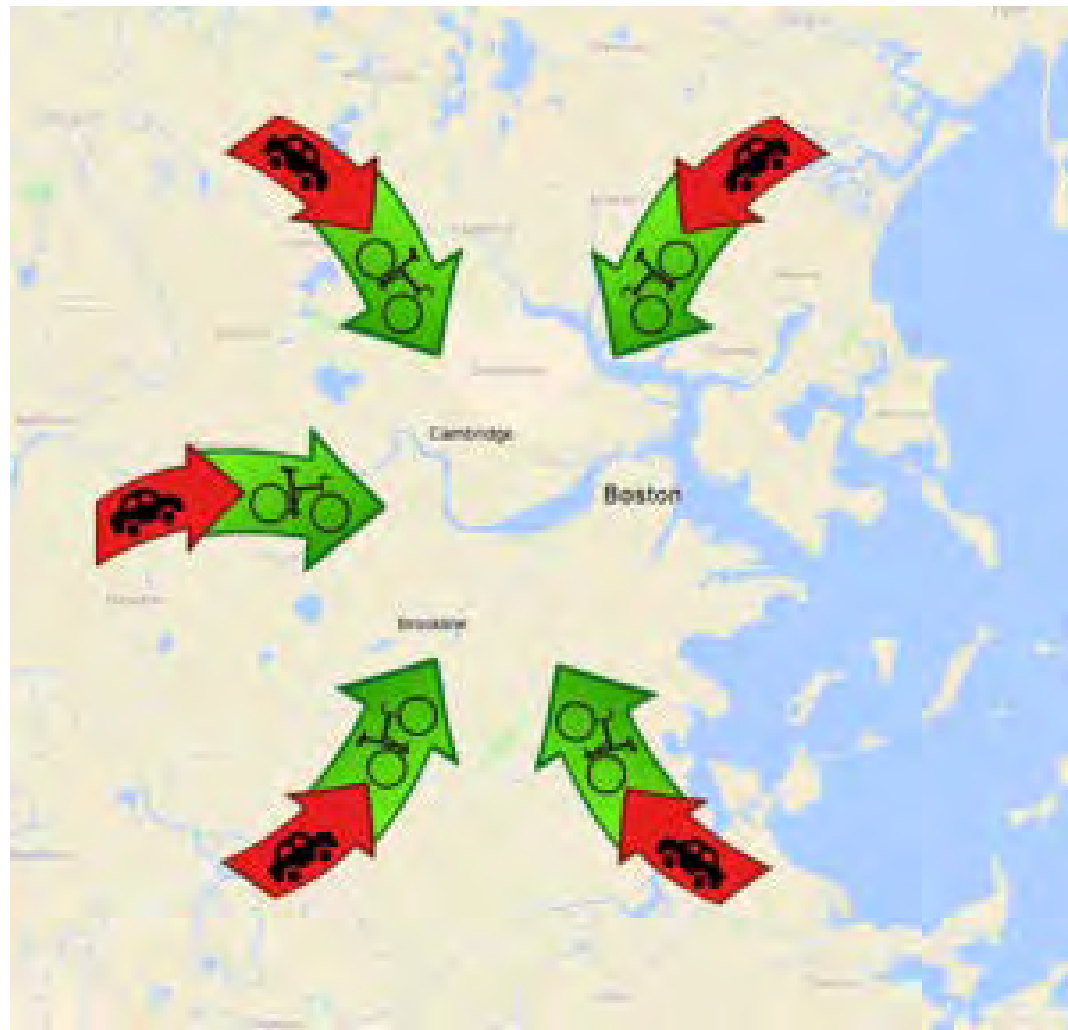
**Hubway**

**Corporate Membership**

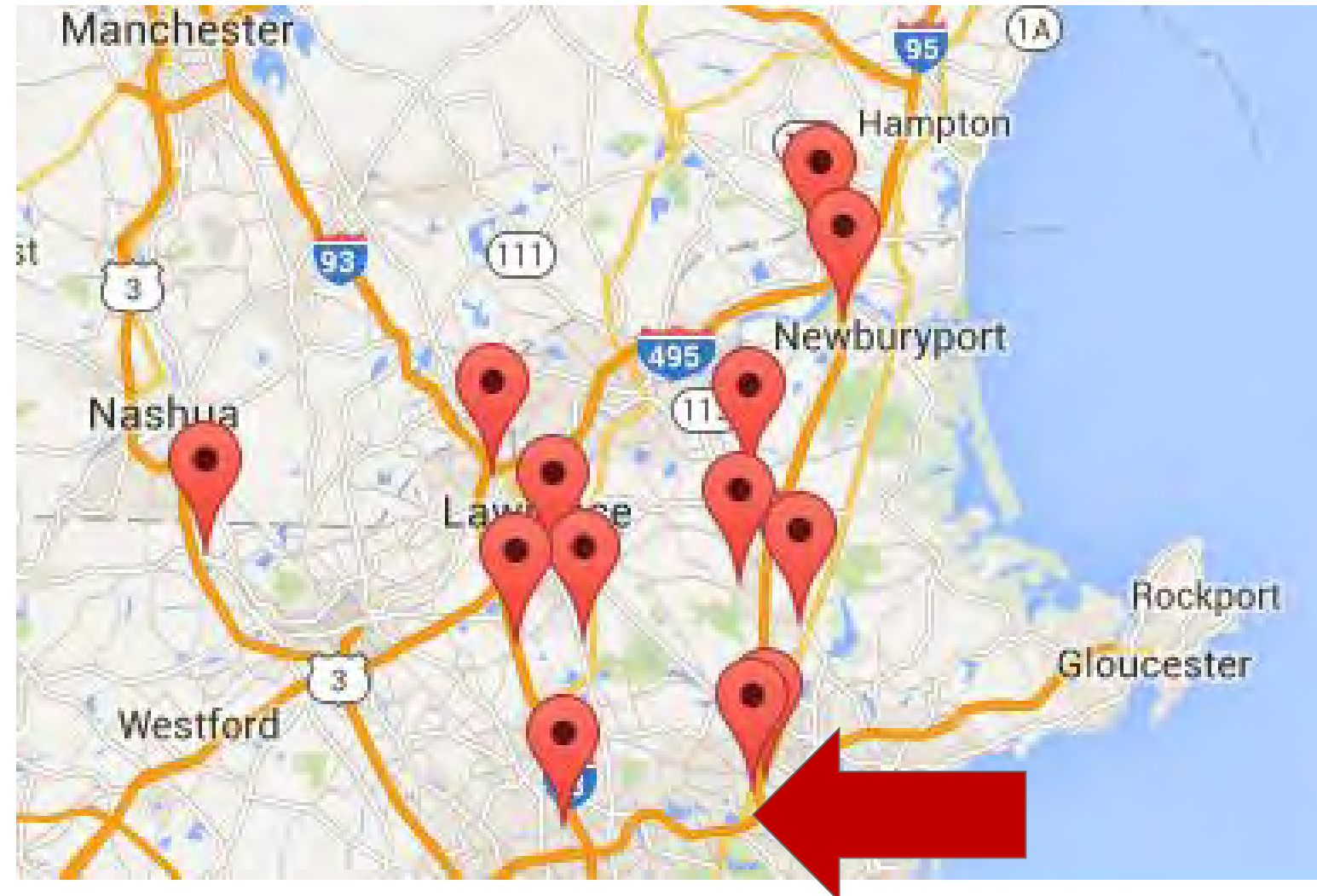
# TDM Strategies



- **Parking Management**



**Park and Pedal Concept**



**Park and Rides North of Boston**



- Parking Pricing



Apt. for Rent in West End  
Free Parking Included!



# TDM Strategies



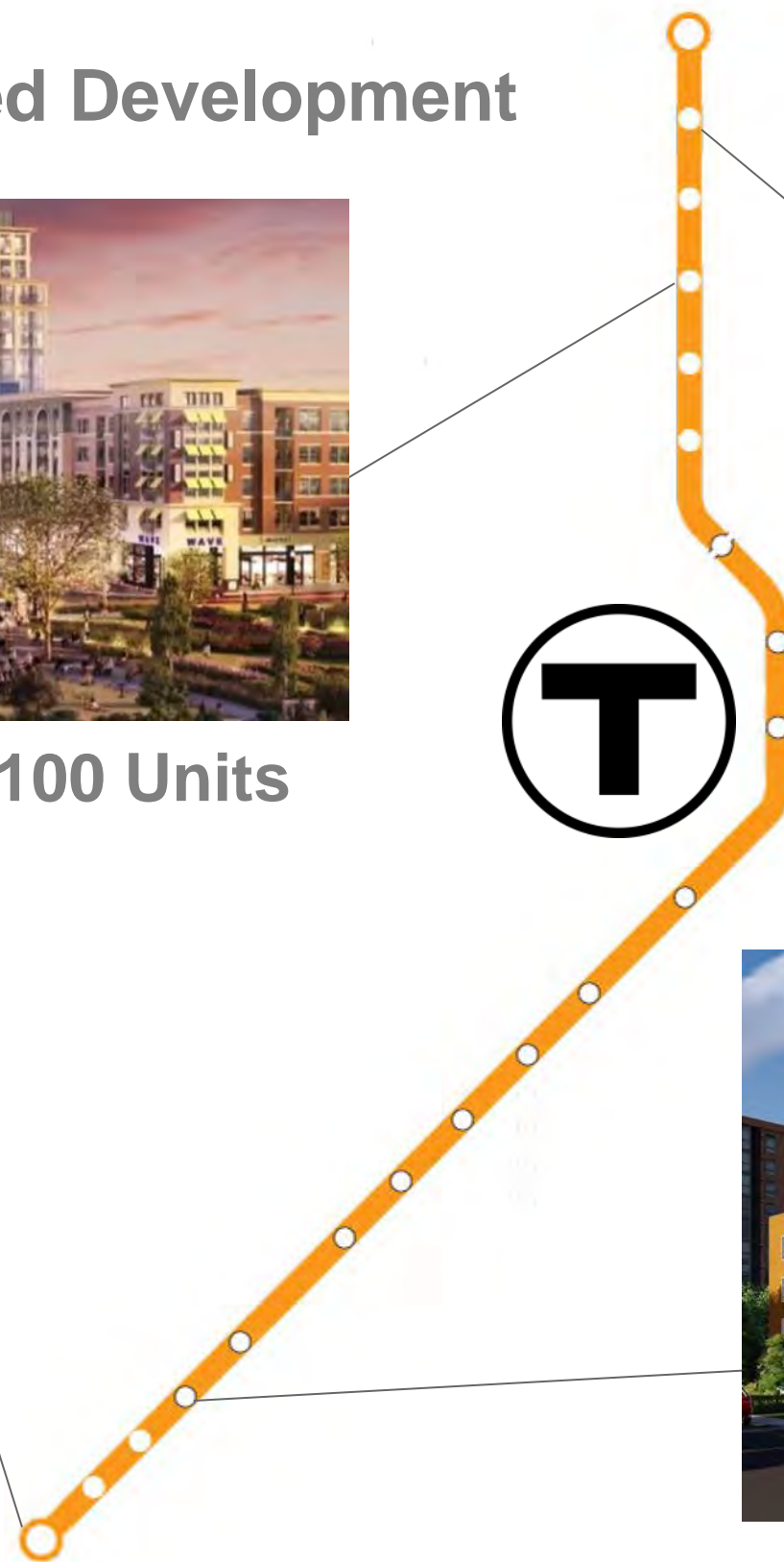
- Land Use, Transit-Oriented Development



Assembly Square – 2,100 Units



Malden Station – 250 Units



Forest Hills – 285 Units



Jackson Square – 105 Units

# Transportation Access Plan Agreement



As part of the BRA's Article 80 process, all developers sign a **Transportation Access Plan Agreement (TAPA)** with the BTD.

The agreement spells out TDM strategies and other transportation-related mitigation for the neighborhood.

**TRANSPORTATION ACCESS PLAN AGREEMENT**  
entered into between  
**THE CITY OF BOSTON TRANSPORTATION DEPARTMENT**  
and  
**TRINITY ONE CANAL LLC**  
for  
**One Canal**  
**1 Canal Street**

This Transportation Access Plan Agreement (hereinafter "TAPA") is entered into this 16th day of April, 2013 by and between the CITY OF BOSTON, acting through its TRANSPORTATION DEPARTMENT with offices at One City Hall Plaza, Room 721, Boston, Massachusetts, 02201, (hereinafter "BTD") and Trinity One Canal LLC with a principal place of business at 75 Federal Street, 4<sup>th</sup> Floor, Boston, MA 02110 (hereinafter "Developer").

WHEREAS, the Developer has completed the review process required by Article 80 of the Boston Zoning Code (hereinafter "Article 80 Review"), which review process contains a Transportation Component, (see Section 80B-3 (1)); and

WHEREAS, the Developer acknowledges that the construction and operation of the Development will impact the transportation network within the City of Boston; and

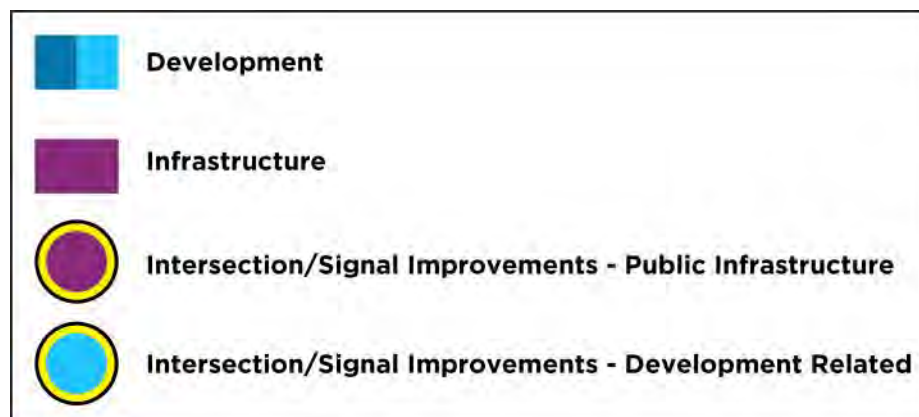
WHEREAS, BTD and the Developer desire to mitigate such transportation impacts through a Construction Management Plan (hereinafter "CMP"), and a Transportation Access Plan Agreement (hereinafter "TAPA");

**Now, therefore**, in consideration thereof, the following is agreed between BTD and the Developer (hereinafter "Parties");

# Committed Improvements



- Infrastructure from city, state and federal projects
- Commitments from developers



# Connect Historic Boston



- Protected Bike Lanes
- Geometric and signal improvements for intersections
- Redesigned streetscape
- Connections to Harborwalk
- Improved curbside organization



Estimated Completion Date:  
Fall 2017





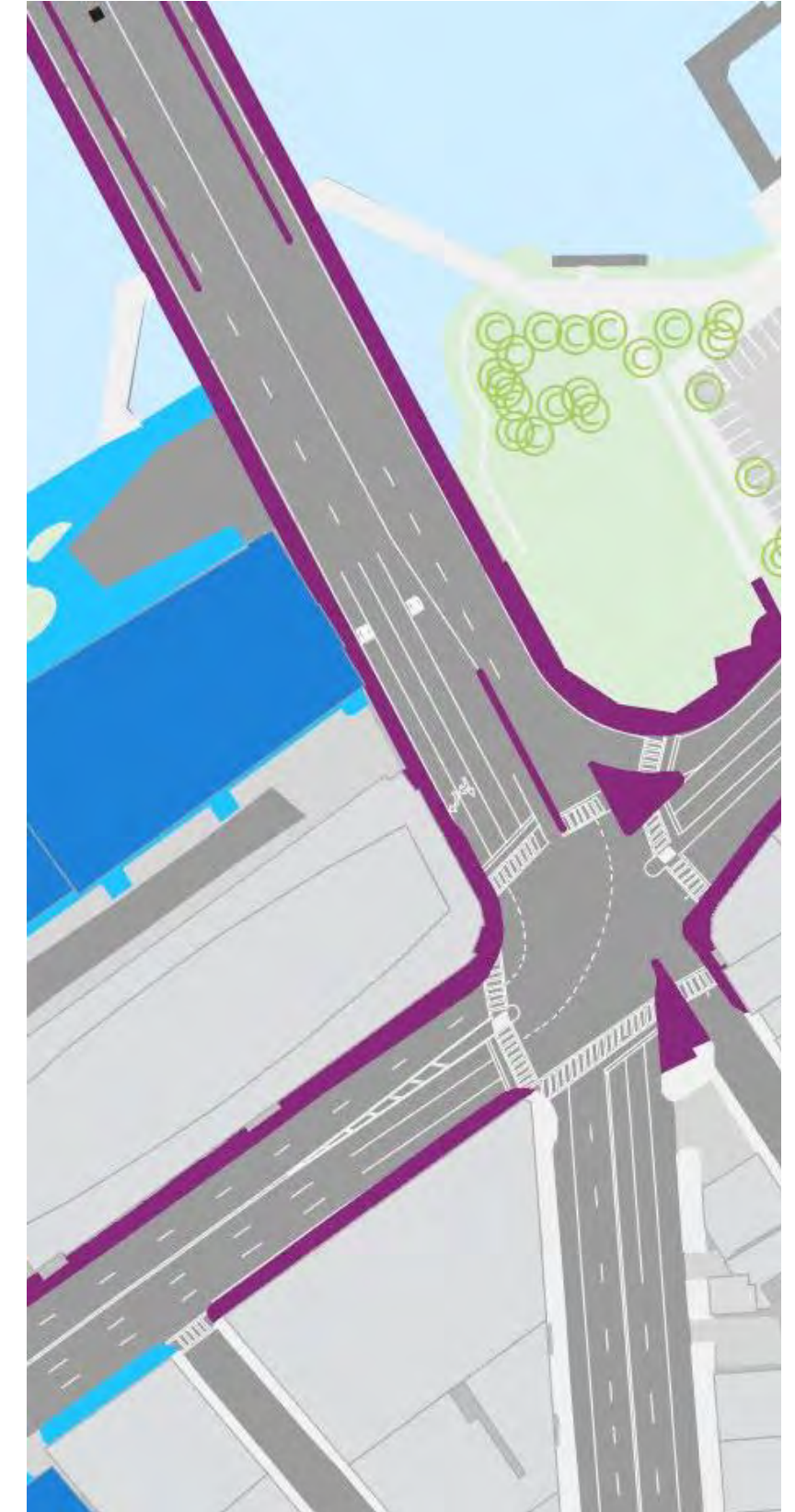
# North Washington Bridge



- Protected Bike Lanes
- Widened sidewalks
- Transit priority lane inbound
- Plantings
- Improved intersection at Chelsea St.



Estimated Completion Date:  
2020



# MBTA Car Replacement



- 284 new cars for Orange and Red Lines
- More frequent trains at rush hour for Orange Line results in 30-35% increase in capacity
- Increased reliability



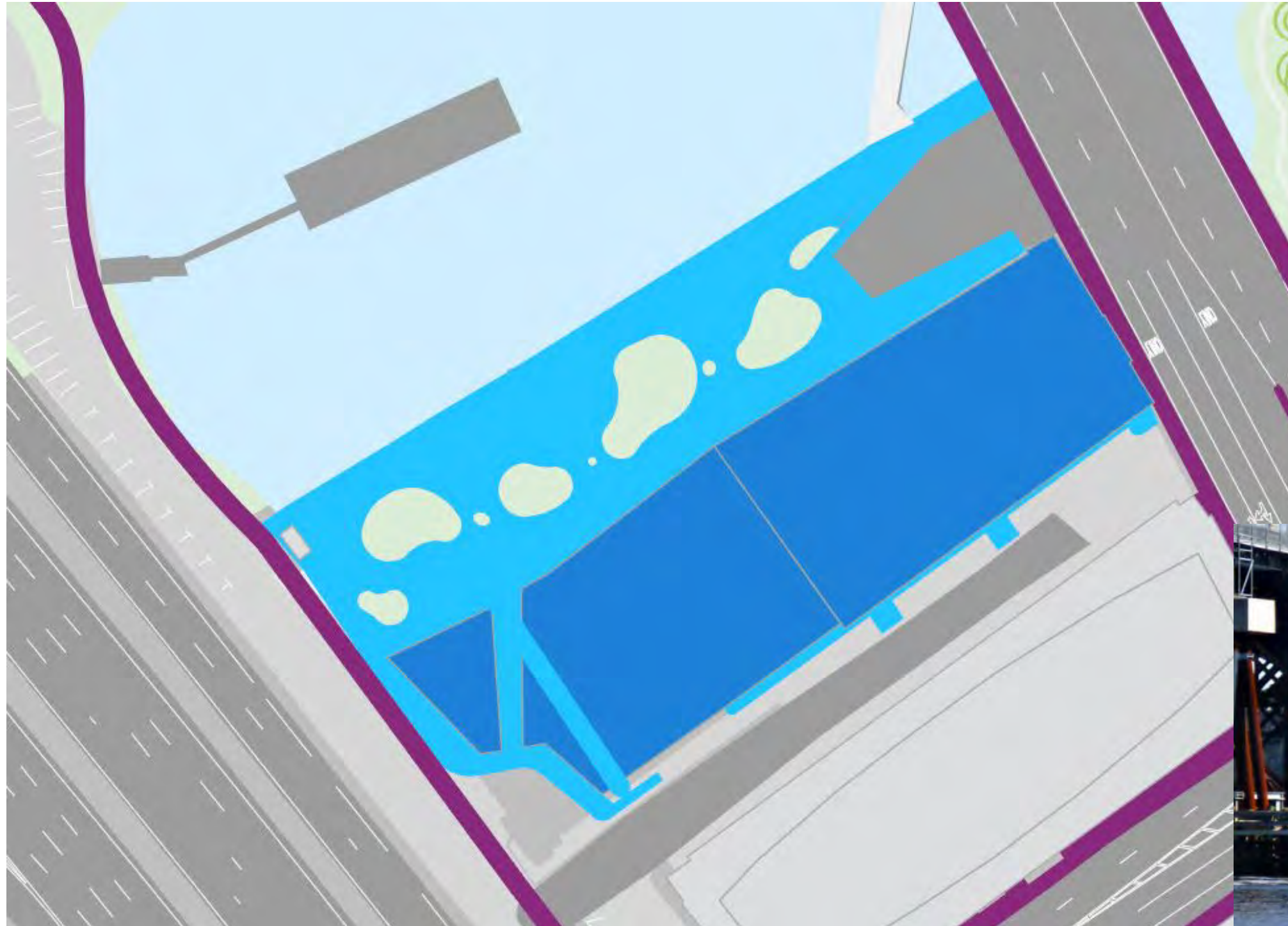
**Estimated Completion Date:  
2023**



# Committed Improvements

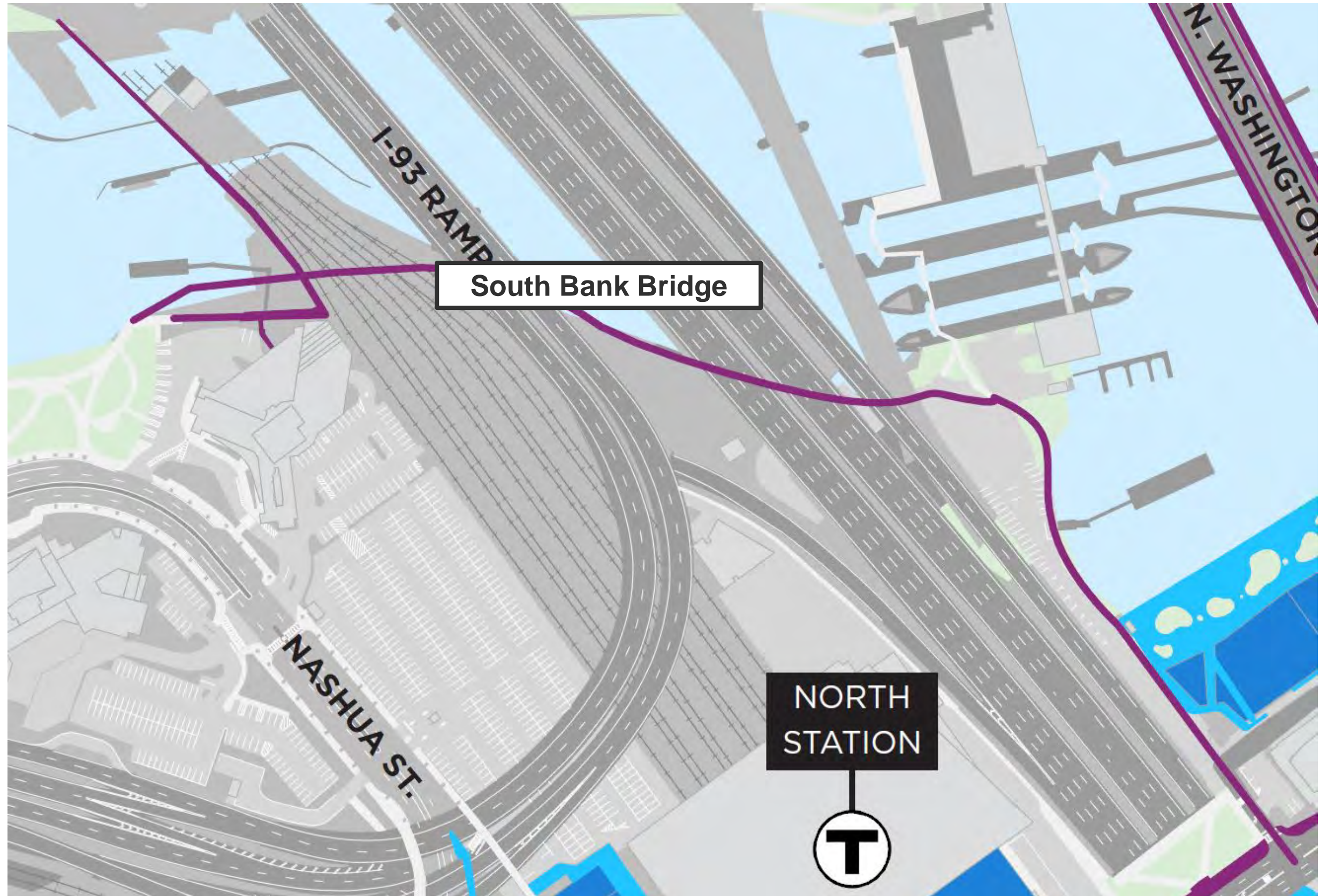


# Committed Improvements



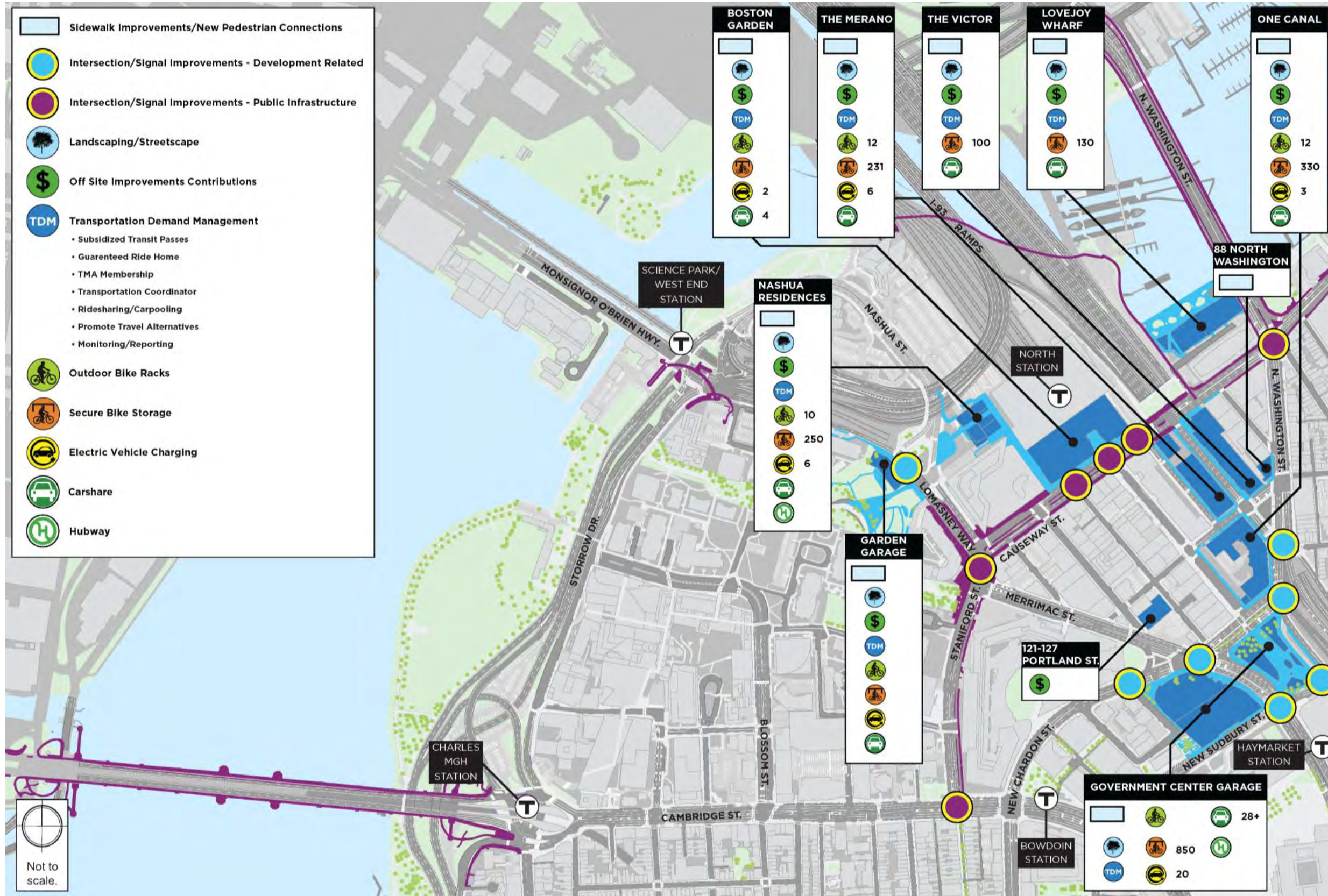
**Ferry Estimated Completion Date: Unknown**  
**Lovejoy Wharf Estimated Completion: End of 2016**

# Committed Improvements



Completion  
Date: Unknown

# Development TAPA Commitments



# Development TAPA Commitments



**PARCEL 1B**

- 
- 
- 
- 
- 12
- 231
- 6
- 

Estimated Completion Date: Summer 2018



**THE VICTOR**

- 
- 
- 
- 
- 100
- 

Completed

**LOVEJOY WHARF**

- 
- 
- 
- 
- 130
- 

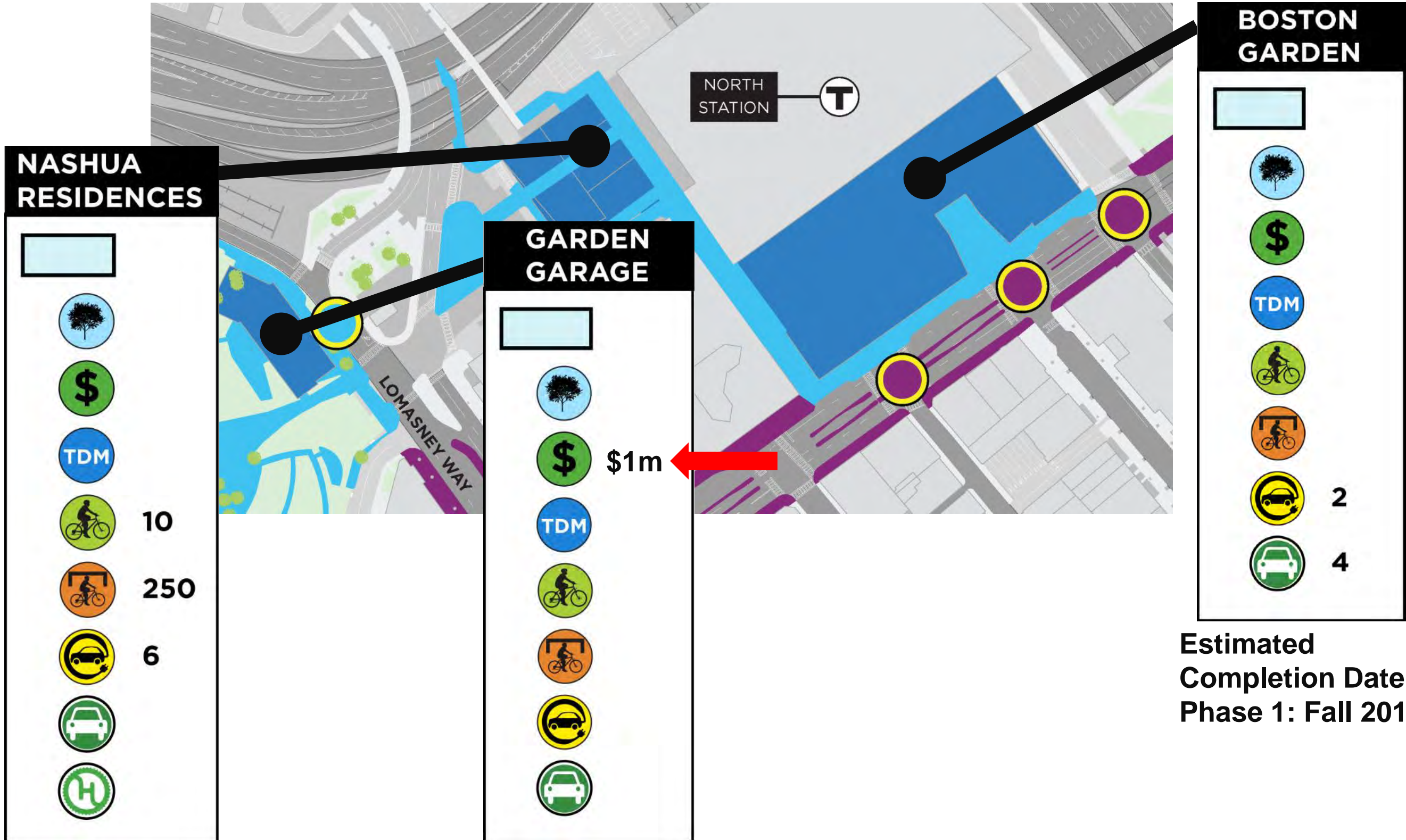
Estimated Completion Date: End of 2016; Public Space: Open

**88 NORTH WASHINGTON**

- 

Estimated Completion Date: 2017

# Development TAPA Commitments



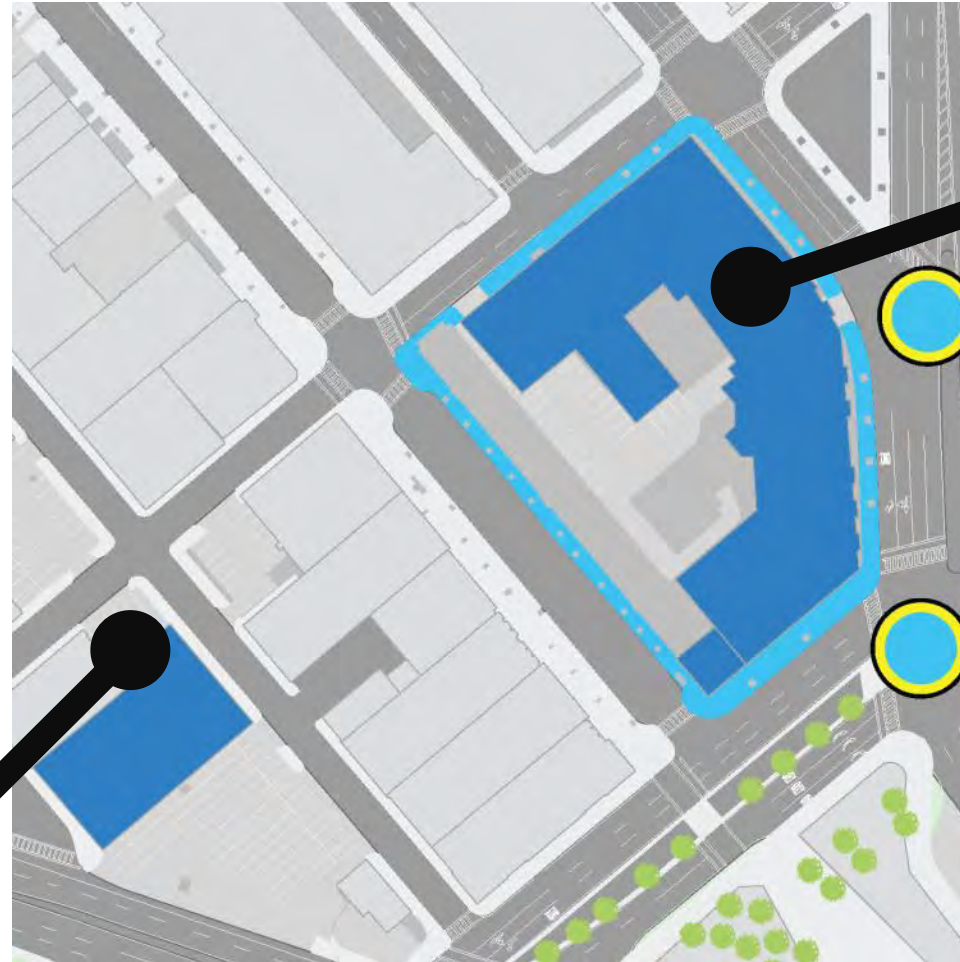
Estimated Completion Date: Summer 2017

Estimated Completion Date: Summer 2019

Estimated Completion Date: Phase 1: Fall 2017



# Development TAPA Commitments



**121-127  
PORTLAND ST.**

**Estimated Completion  
Date: 2017**

**ONE CANAL**

	12
	330
	3

**Completed**

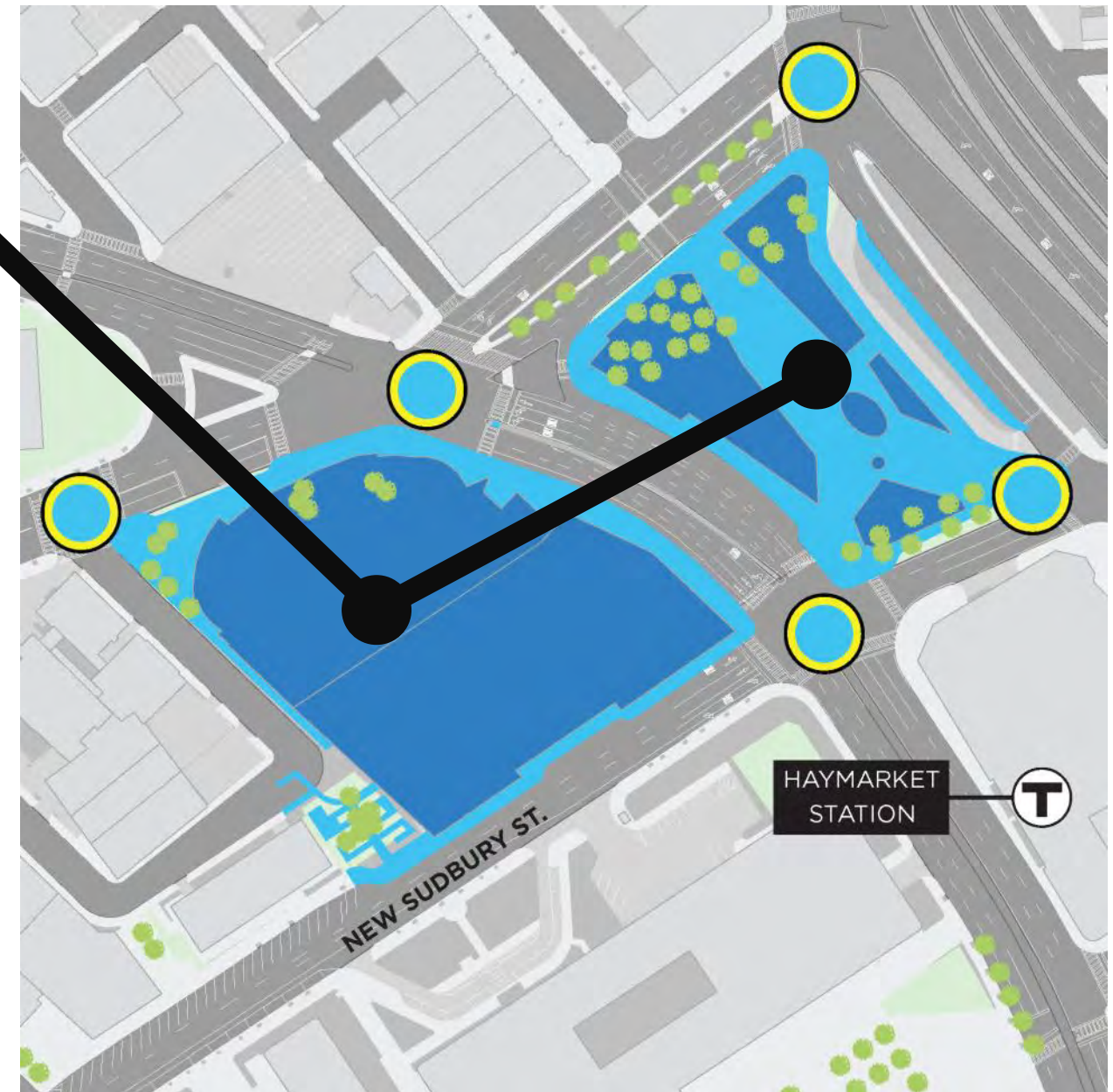
# Development TAPA Commitments



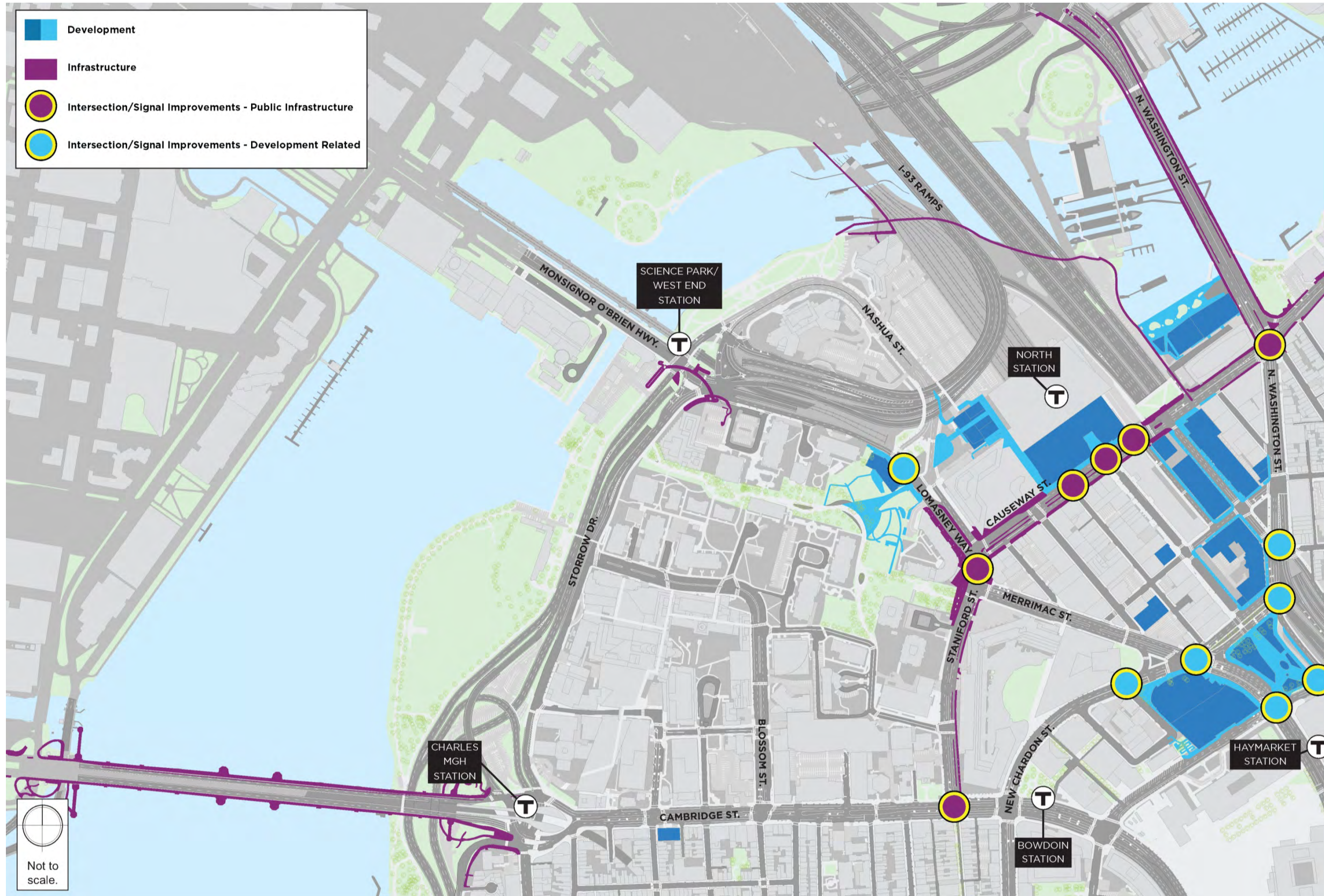
**GOVERNMENT CENTER GARAGE**

			28+
			850
			20

**Estimated Completion Date:  
Phase 1: Summer 2017**



# Committed Improvements



# What Does the Future Look Like?



What else would you like to see?

# Breakout Sessions: Design Charrette



- Goal: Generate project ideas
- Draw your ideas for the future of the North Station area on the map!



# Thank You!



- **Next meeting: September 20**
  - Identify and Workshop Project Ideas