

BULFINCH DESIGN CHARRETTES

March 21, 2017







Agenda







- NSAMAP Overview
- Bulfinch TriangleGoals
- Breakout Sessions



Project Timeline (Adjusted)







JUNE – JULY Existing Conditions and First Public Meeting

JULY – SEPTEMBER Goals and Vision

SEPTEMBER – NOVEMBER

Develop and Analyze Potential Improvements

OCTOBER – MARCH Incorporating Public Feedback into Action Plan, including design for top 1 to 3

APRIL

Draft Action Plan for Public Comment

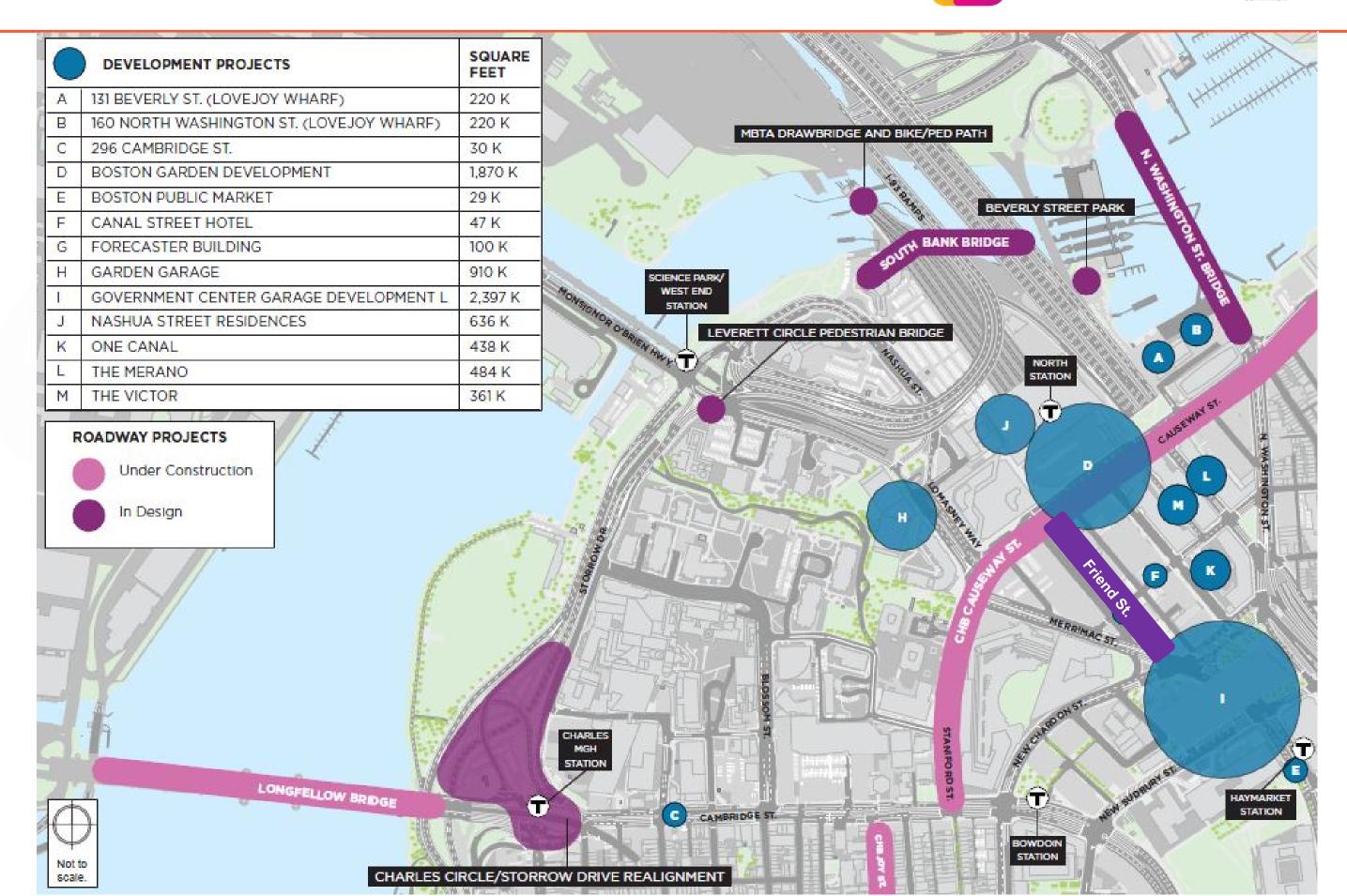
MAY Final Action Plan

Development and Infrastructure Projects 🕒







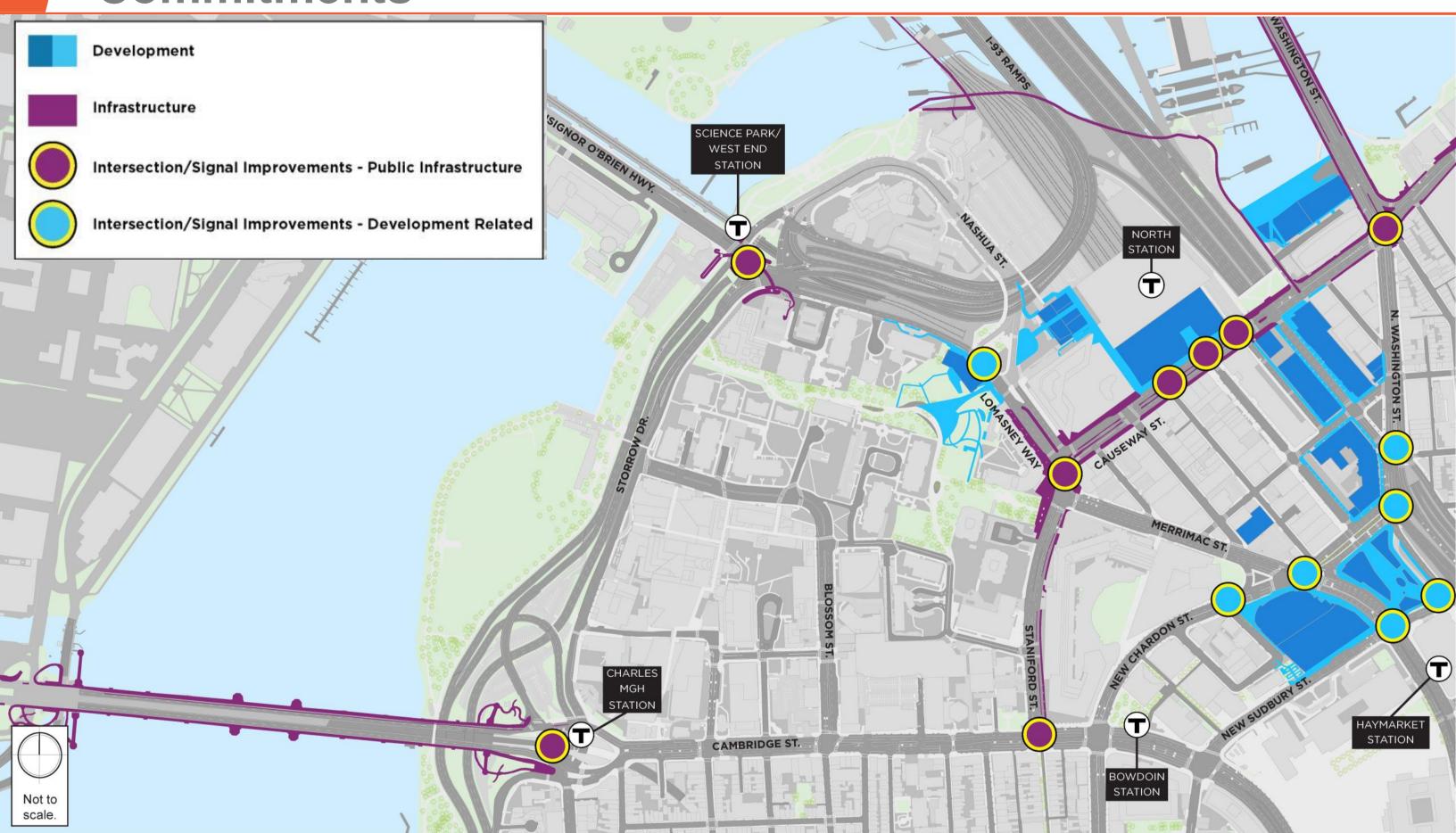


Infrastructure Improvement Commitments









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





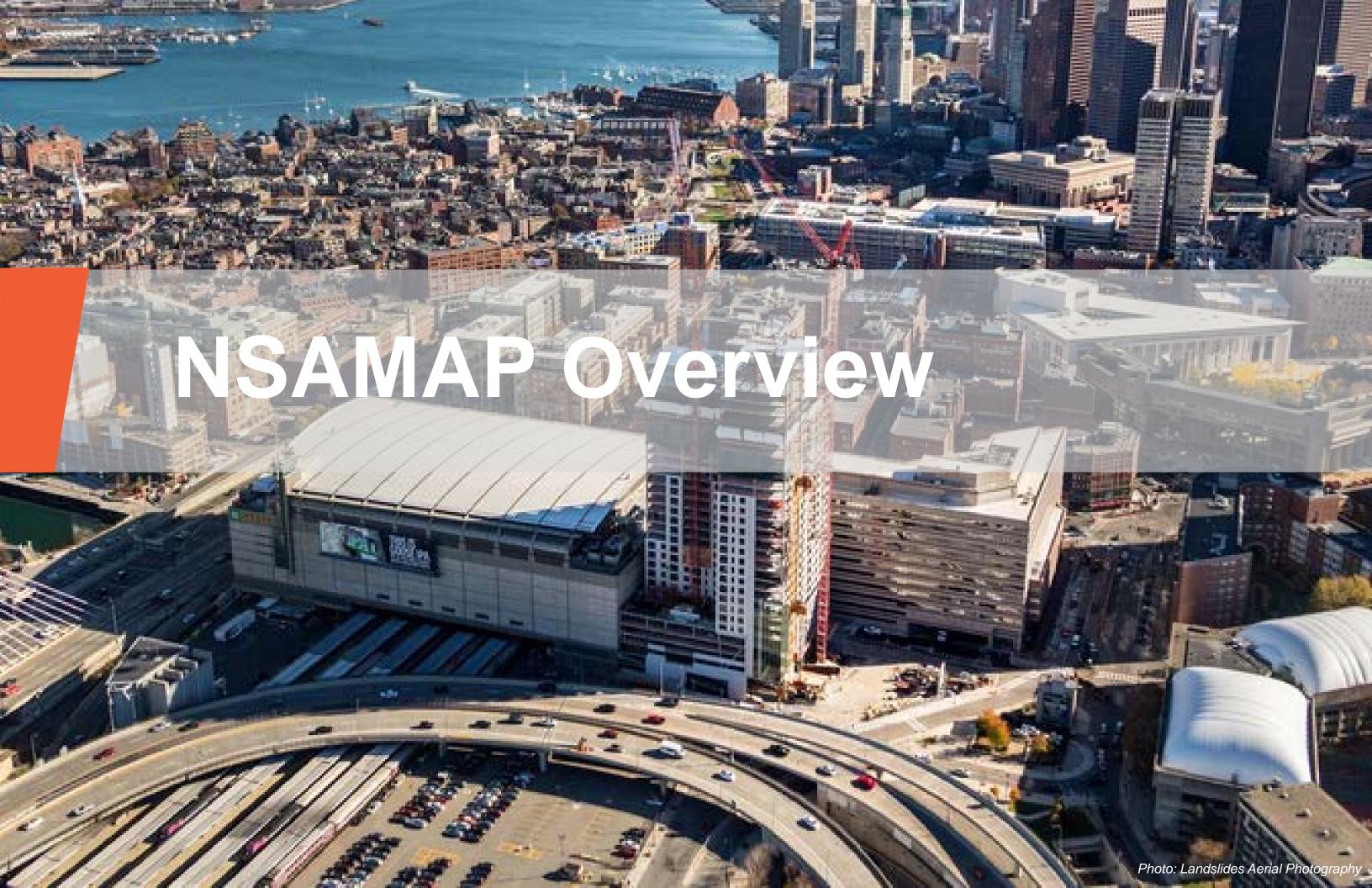


City Team

- Boston Planning and Development Agency
- Boston Transportation Department
- Office of Neighborhood Services
- Public Works Department

Consultant Team

- Howard Stein Hudson Transportation Engineering
- NBBJ Urban Design and Visioning
- Marlene Connor Associates Transit



Multiple Methods of Outreach

















Shared Goals









Safety



More Understandable



More Choices



Less Congestion

Concept – Change Behavior and Reduce Congestion







- Fix Local Circulation Problems
- Offer More Choices
- Make Other Choices More Attractive
- Make Driving Less Necessary

Action Items Process







Existing Projects

Community-Suggested Action Items (from Ideas & Problems)

Other Jurisdictions

Feasibility Test Combine Remaining Items Addition of Emerging Best Practices

Estimate Costs

Estimate Durations

Estimate Impacts

NSAMAP Action Items

Polling on Action Items









Online Ranking of Action Items







North Station Area Mobility Action Plan







Welcome to the North Station Area Mobility Action Plan (NSAMAP) poll. NSAMAP is City of Boston project conducted through the Boston Planning and Development Agency (BPDA) that seeks to create a list of implementable action items to improve mobility in the area surrounding North Station.

Please rank the projects based on your priority for the area. Projects are separated into seven categories, (1) Pedestrian Improvements, (2) Placemaking Improvements, (3) Flex Zone (Curb Space) and Parking Improvements, (4) Bicycle Improvements, (5) Transit Improvements, (6) Shared Mobility Improvements and (7) Motorized Improvements. Answers are randomized and may appear out of order.

Select your top priority using the drop down bar to the left of each image until a response is selected for each answer. Your responses will help create priorities as projects move forward. Answers are required for all seven categories.

For background and further information, please visit the project website, available here.

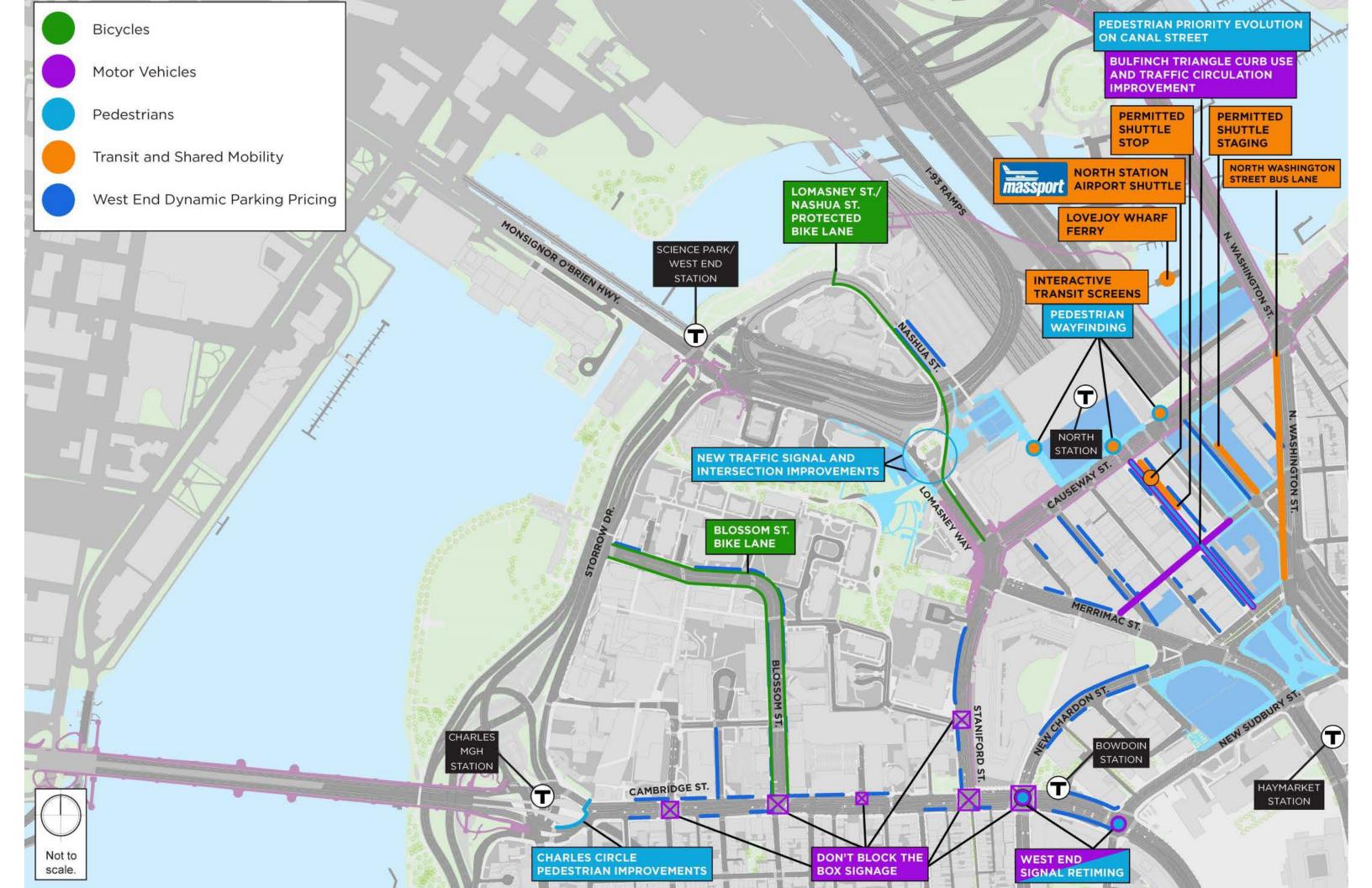
* 1. Rank (from 1-7) the following Pedestrian related improvements from most desired (#1) to least desired (#7).



Charles Circle Pedestrian Improvements

Access to the Charles/MGH MBTA Station in the middle of Charles Circle is described as difficult to dangerous by pedestrians of all ages





Performance-Based Meter Pricing







- Studies have shown that managing parking supply (reducing the number of spaces) can significantly lower Single Occupancy Vehicle (SOV) use.
- To a lesser degree, adjusting parking pricing also has a significant effect on SOV use.

Source: FHWA



Shuttle Overload – Seaport









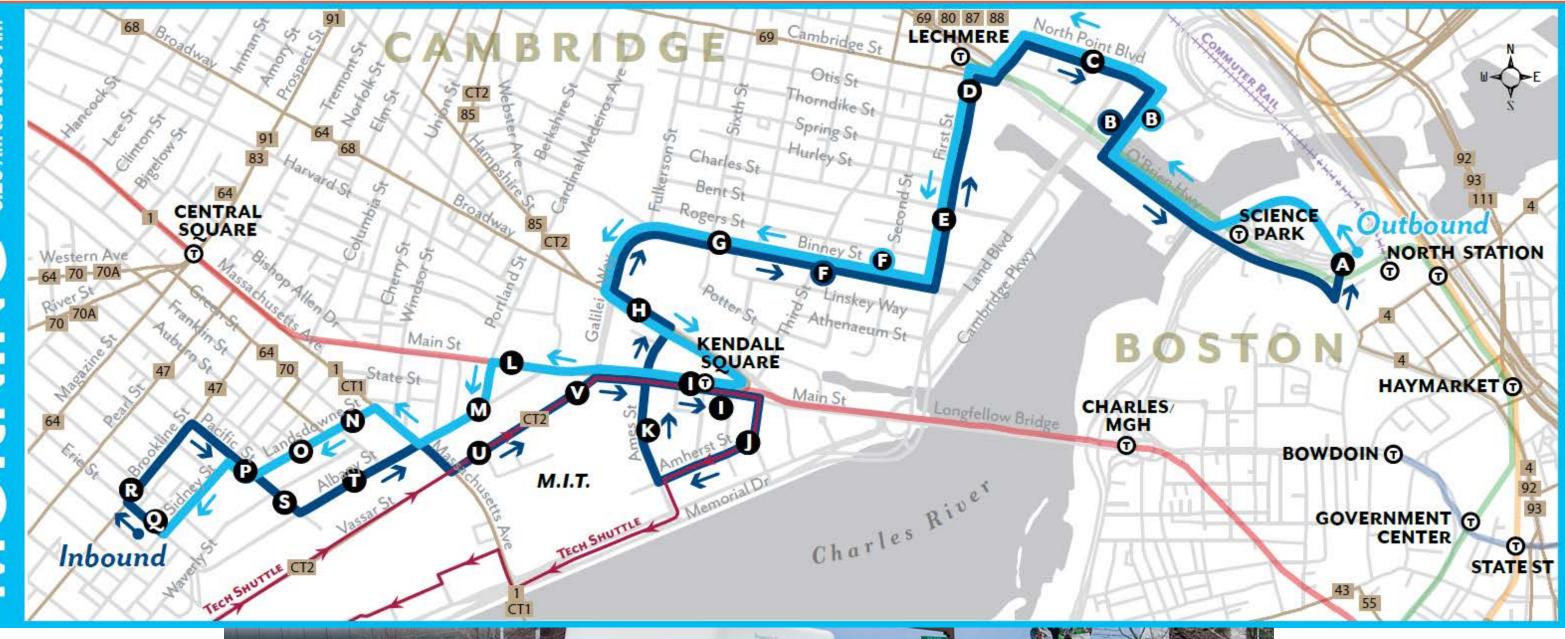
6:20 AM to 10:50 AM MORNIN

Shuttle Consolidation – EZ Ride









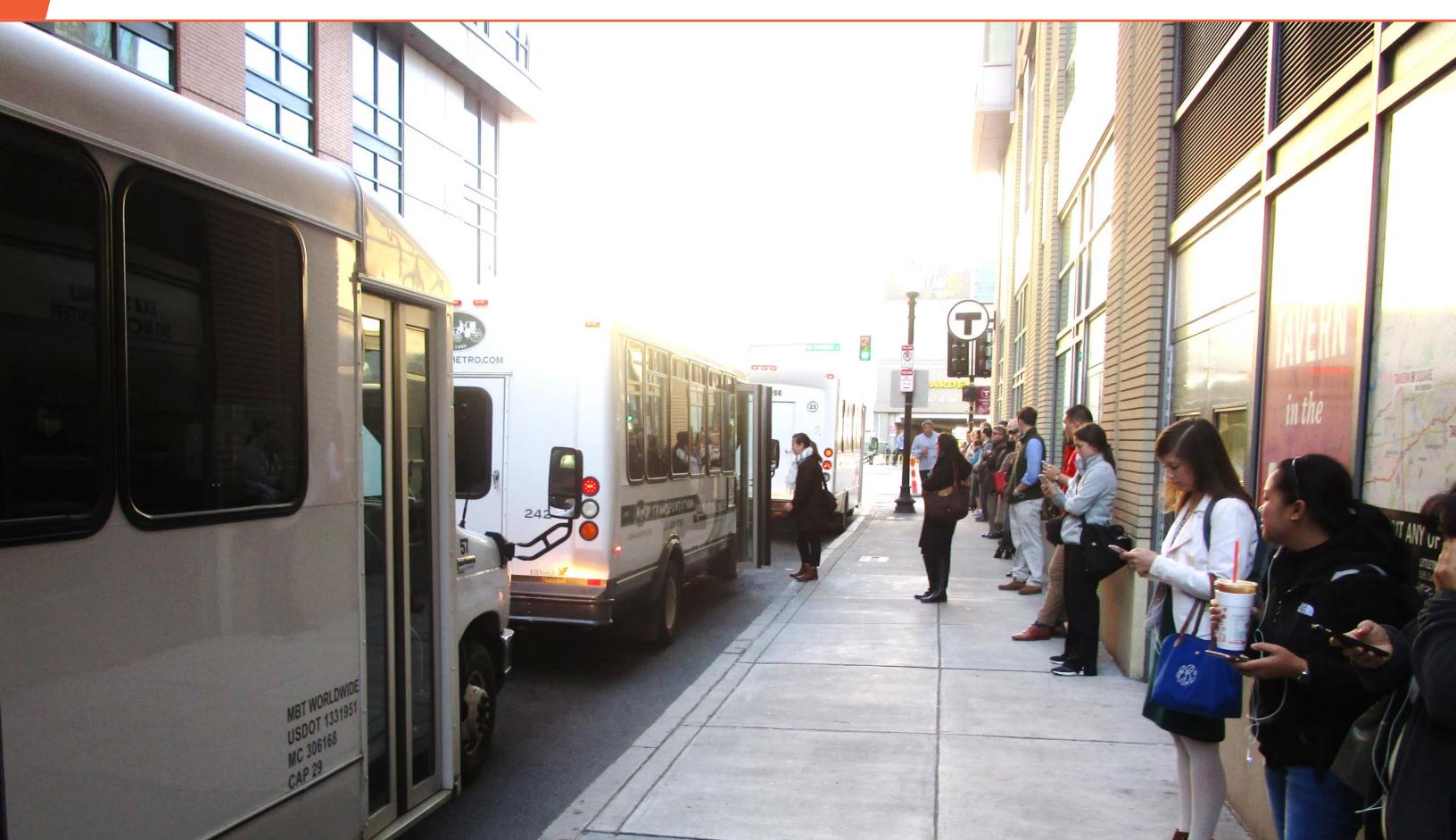


Bulfinch Triangle Shuttle Stop









Shuttle Stop Permitting – SF Example







- Citywide formalization of shuttle stops. Permits are required for their use by operators (these may or may not also be MBTA stops).
- To get a permit, shuttle operator must give the city access to GPS tracking for monitoring.
- A cost is set for each stop a shuttle operator makes at a designated shuttle stop, and this cost supports the monitoring of shuttles at the city.
 - Operator estimates frequency, monitoring is used to make adjustments annually.



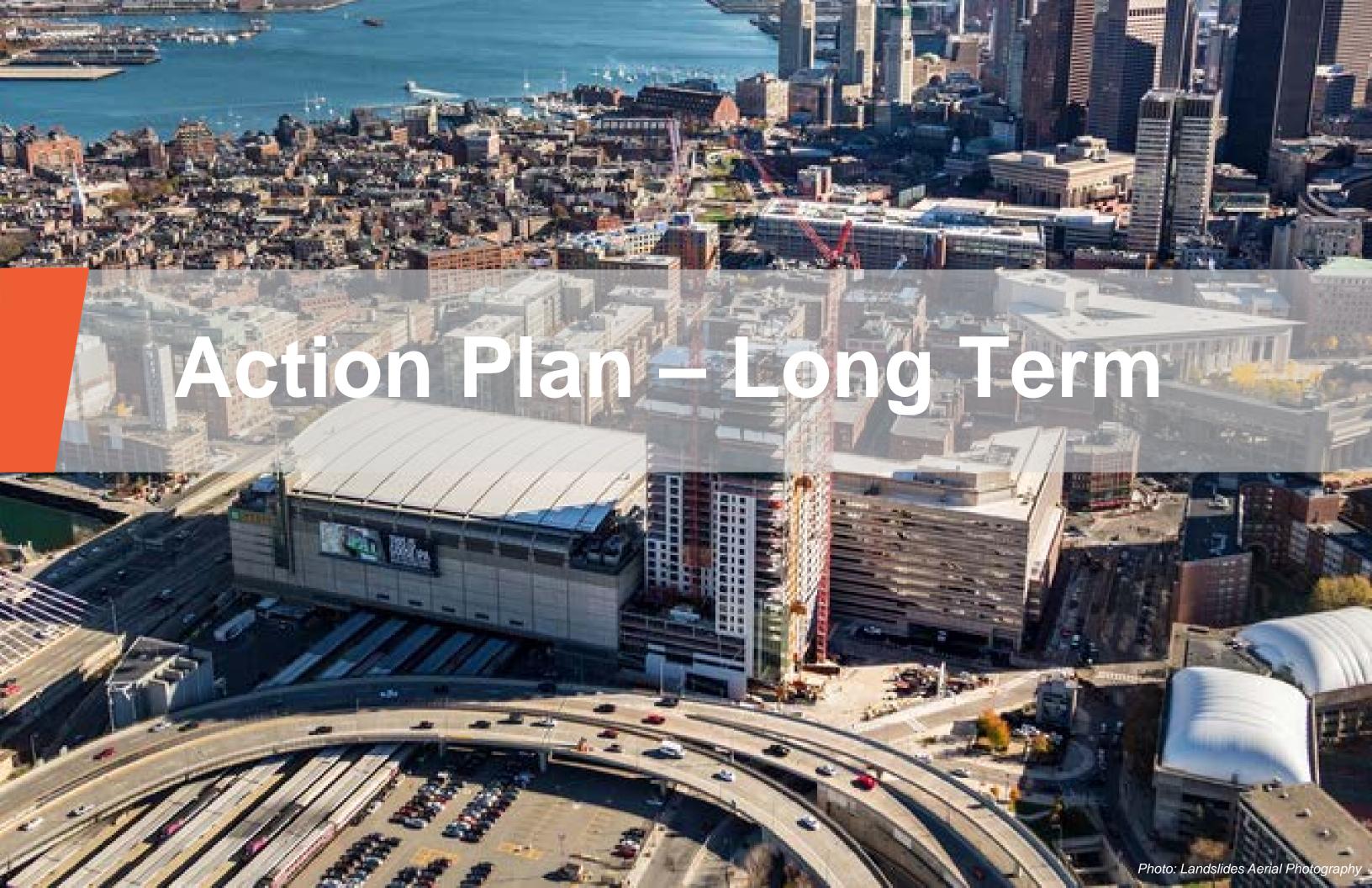
MBTA Ferry at Lovejoy Wharf









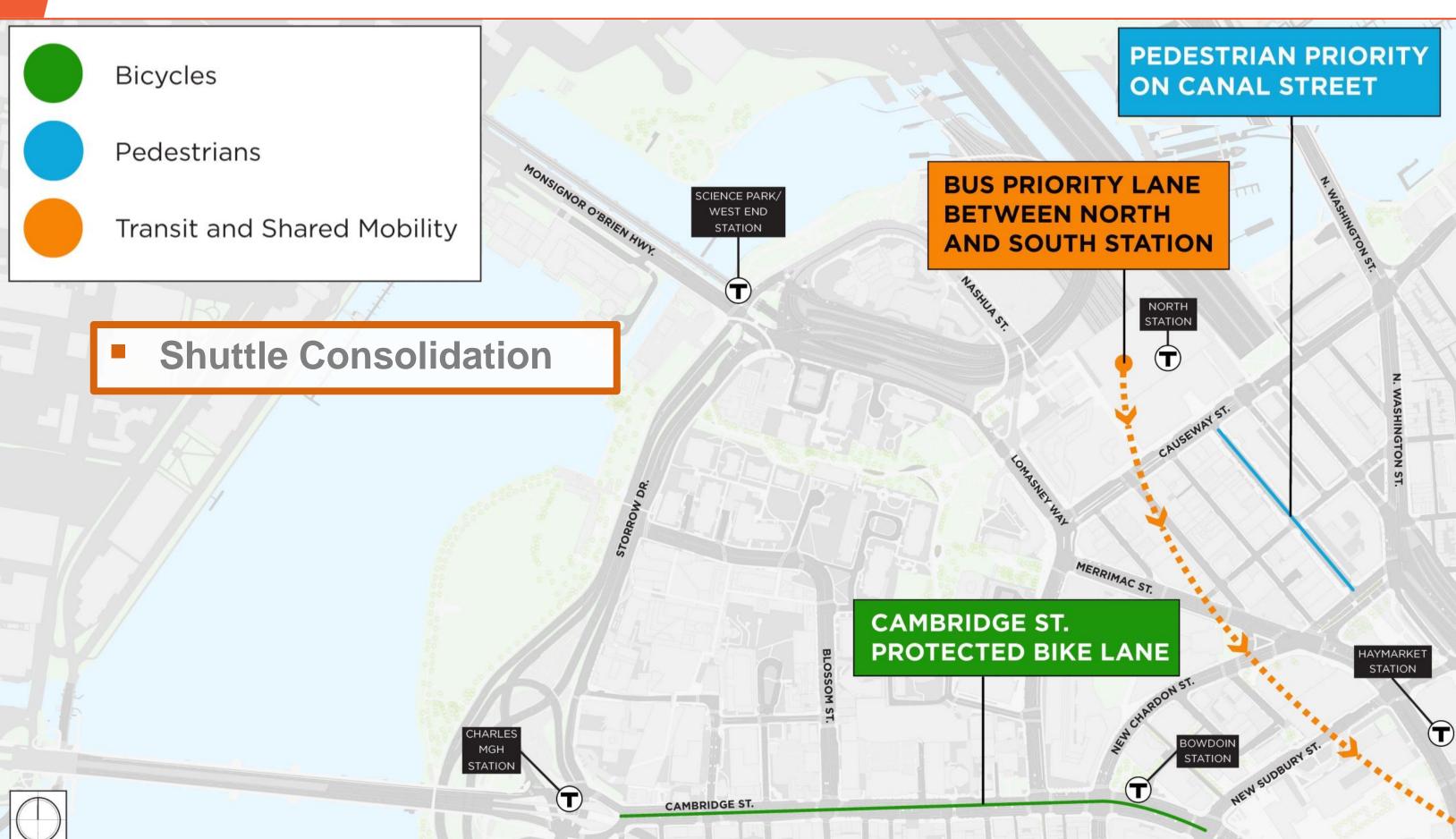


Long-Term Action Items











Feedback - Motorized Traffic







Public Meeting Poll Results	Pts	
Lomasney Way/Nashua St/Martha Rd Intersection Improvements – Near, Long Term	1275	18
 Don't Block the Box Markings and Signage at Key Locations	825	
Bulfinch Triangle Traffic Circulation Improvements	650	
West End Signal timing Improvement Project	600	
Adaptive Signal Technology Study	425	
Residential Permit for Neighborhood Access During TD Garden Events	425	
Encourage Employers to form Partnerships for TDM, Perform Annual TDM Reporting	425	
New Signal for Left Hand Turn into Charles River Plaza	150	

	Online Ranking Poll Results	Rank	
	Adaptive Signal Technology Study	3.79	
1	West End Signal Timing Improvement Project	3.83	
	Encourage Employers to form Partnerships for TDM, Perform Annual TDM Reporting	4.11	1
n	Don't Block the Box Markings and Signage at Key Locations	4.22	
	Lomasney Way/Nashua St/Martha Rd Intersection Improvements – Near, Long Term	4.23	
	New Signal for Left Hand Turn into Charles River Plaza	5.36	
	Bulfinch Triangle Traffic Circulation Improvements	4.64	
	Residential Permit for Neighborhood Access During TD Garden Events	5.83	

Feedback - Transit



Total

Points

2100

950

900

600

575

450

375

Δνα







* 4. Rank (

	Online Ranking Poll Results	Rank	
1.	Bus Priority Lane Connections N. Station Area to S. Boston	2.77	
(Airport Shuttle from North Station	3.55	ents from
3	North Washington Street Inbound Transit Lane to Haymarket	3.57	
	Consolidation of local MBTA routes, shuttles, tourist bus loop/shuttle stop consolidation study	3.97	
	Lovejoy Wharf Ferry	4.52	
	North Washington Bus Stop Improvements Project	4.53	
	Create Public Transit App Kiosks at Major MBTA Stations	5.08	

Feedback – Pedestrian Environment









Public Meeting Poll Results	Total Points
Canal Street Pedestrianization	2100
Charles Circle Pedestrian Improvements	950
West End Sidewalk Improvement Project	675
West End Signal Timing Improvement Project	450
West End Pedestrian Crossing Improvements	350
West End Wayfinding Project	325
Cardinal O'Connell Way Shared Street	200



* 4. Rank (from most desired

	Online Ranking Poll Results	Avg. Rank	
	Charles Circle Pedestrian Improvements	2.74	
1	Canal Street Pedestrianization	3.05	/e
	West End Pedestrian Crossing Improvements	3.19	
	West End Sidewalk Improvement Project	4.15	
	West End Signal Timing Improvement Project	4.59	
	Cardinal O'Connell Way Shared Street	4.81	
	West End Wayfinding Project	5.48	

ements from

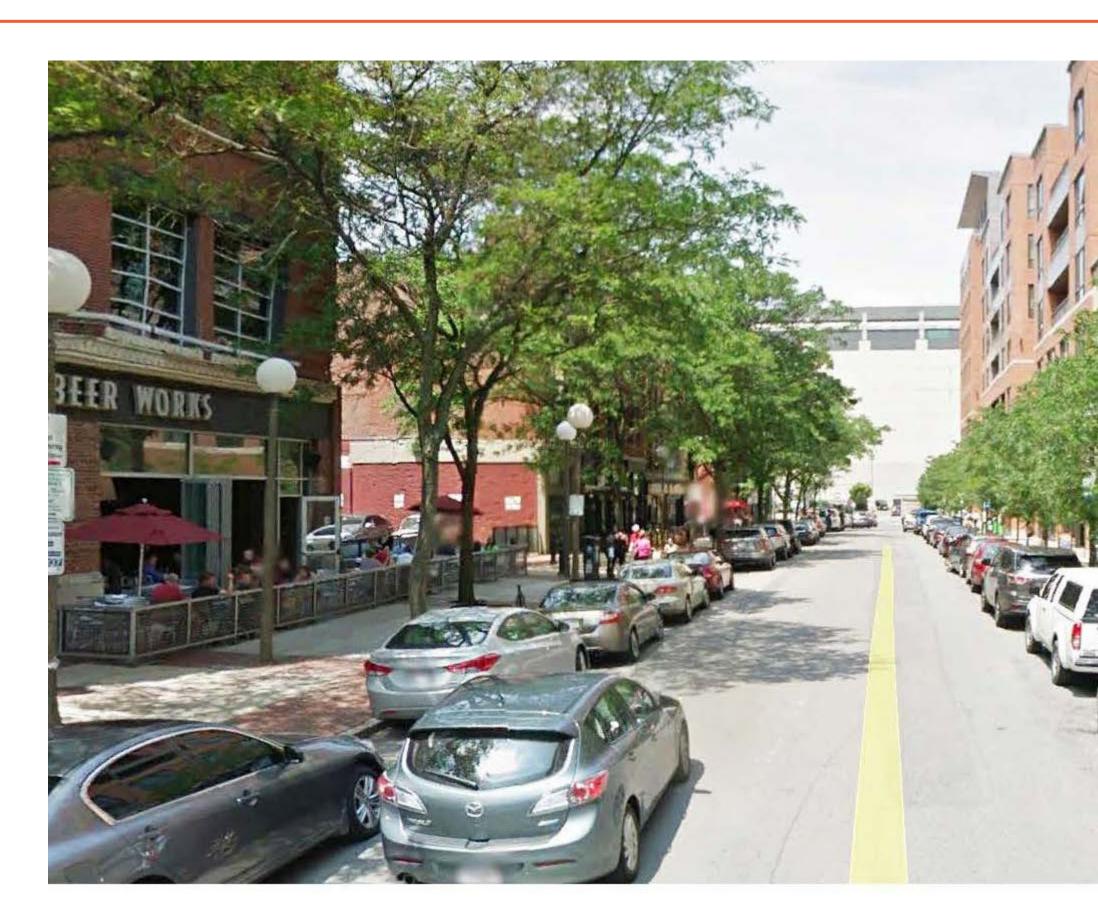
Overall Goals

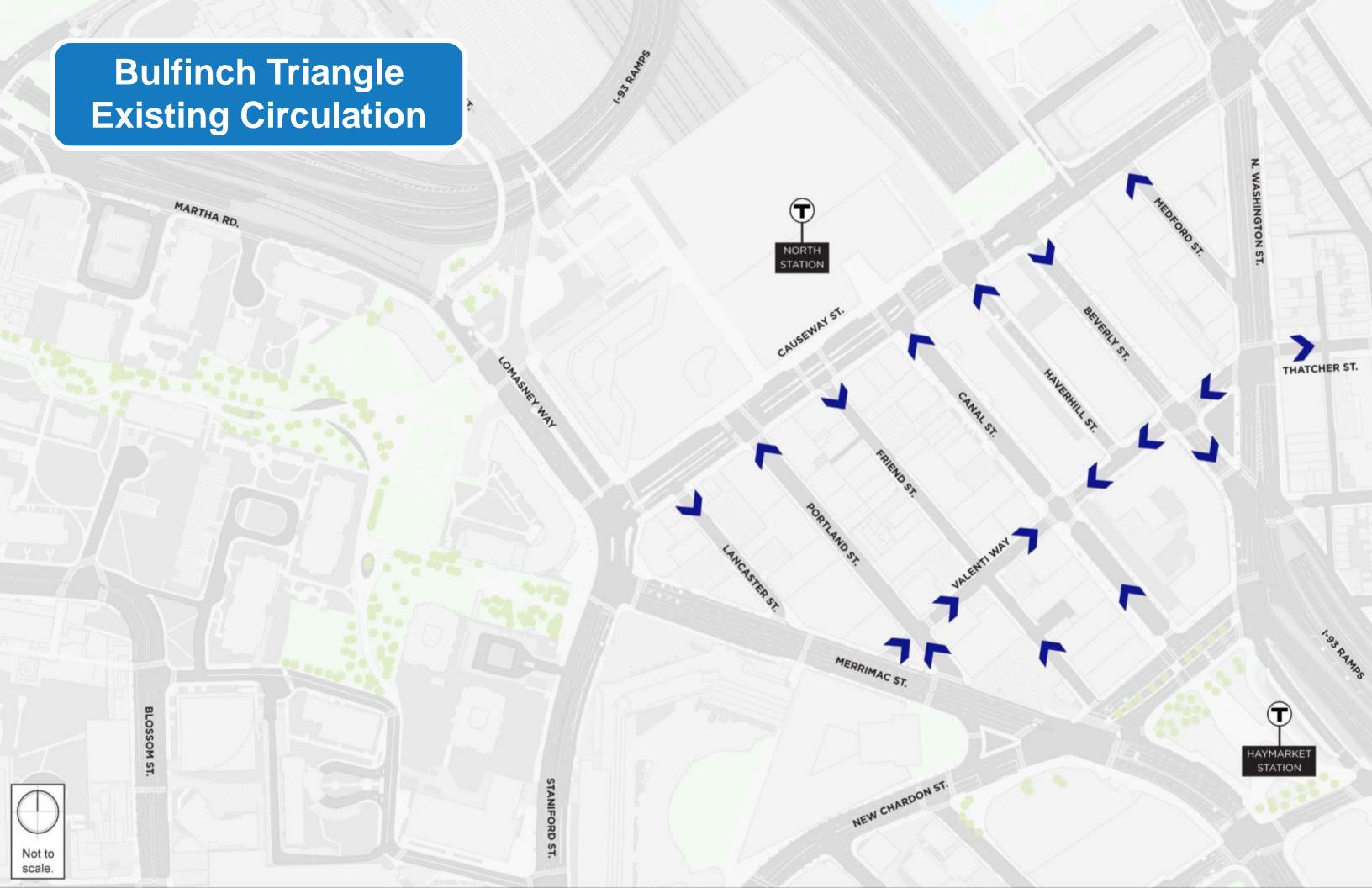


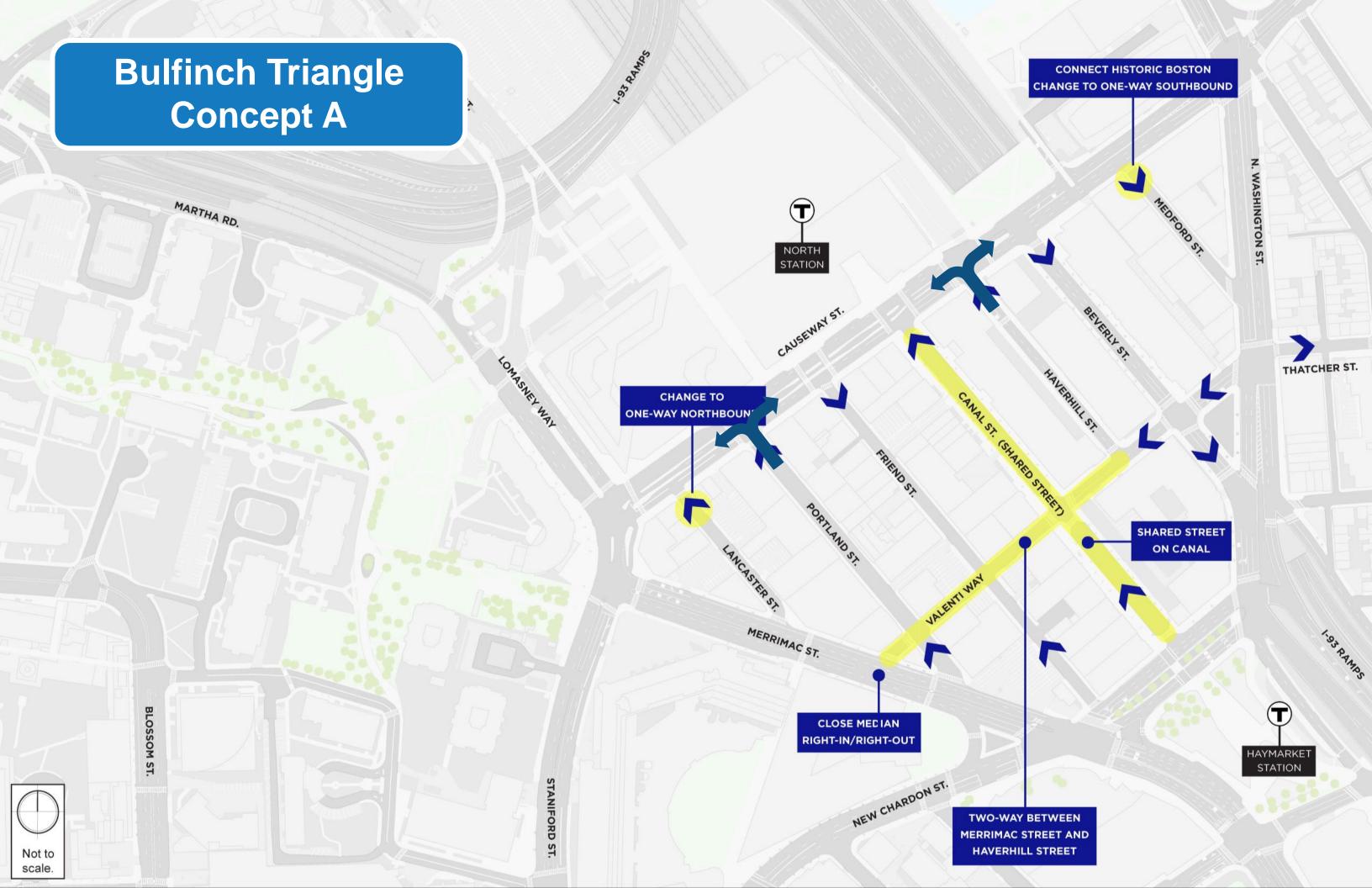


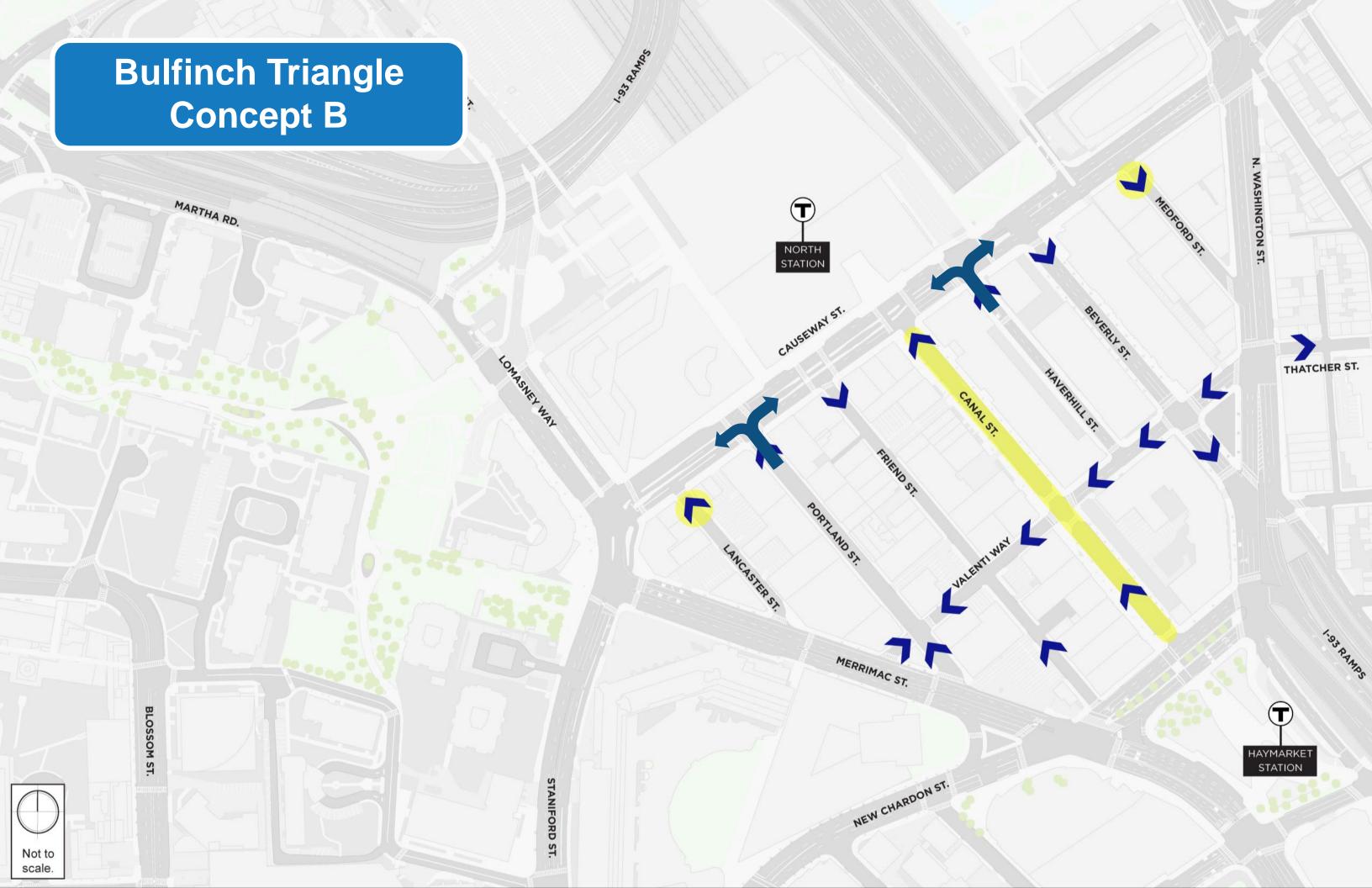


- Easier VehicleAccess
- PedestrianPriority on Canal
- Organize Shuttles
- More services for residents
- More customers for local businesses







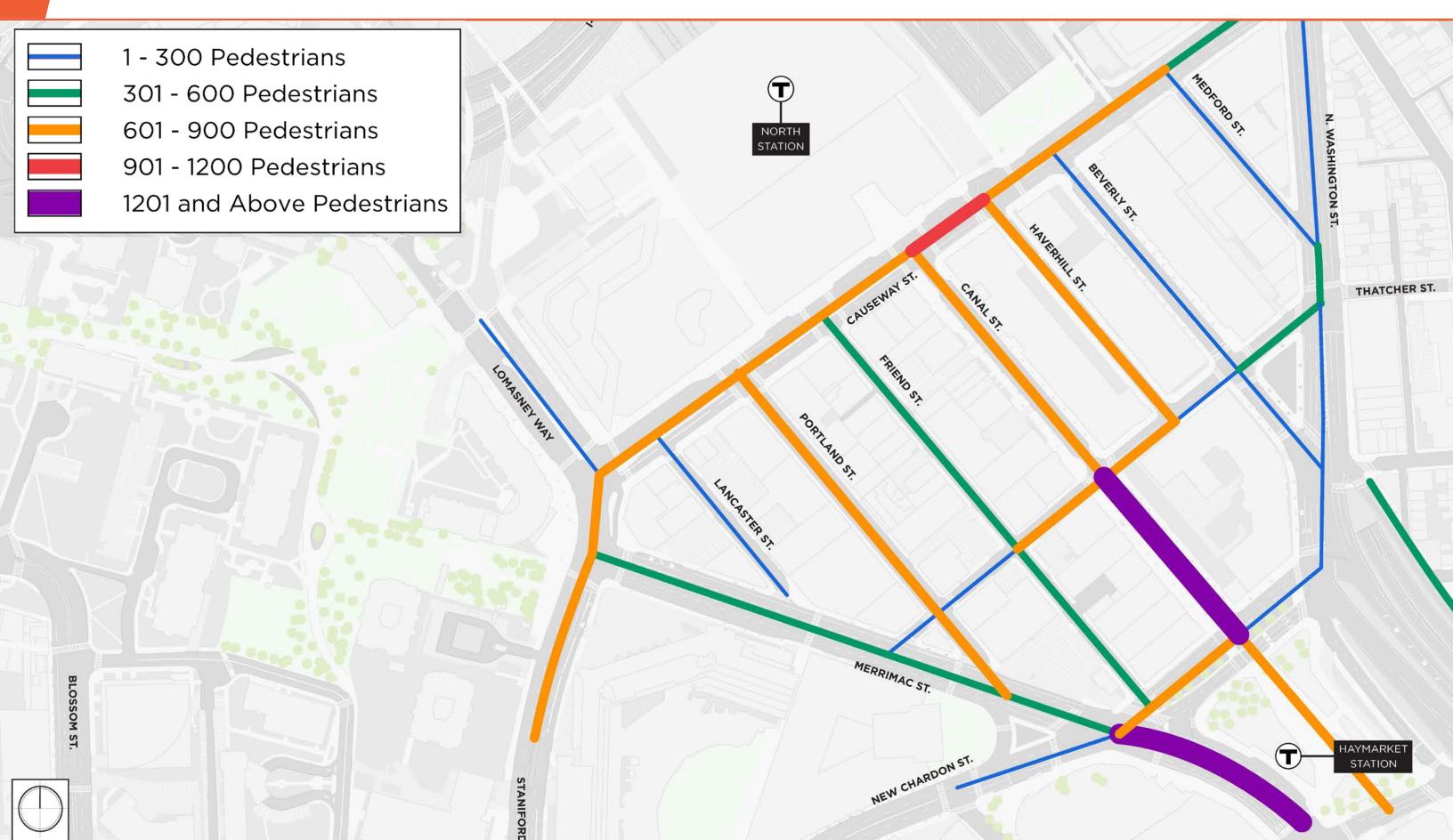


Pedestrian Volumes AM







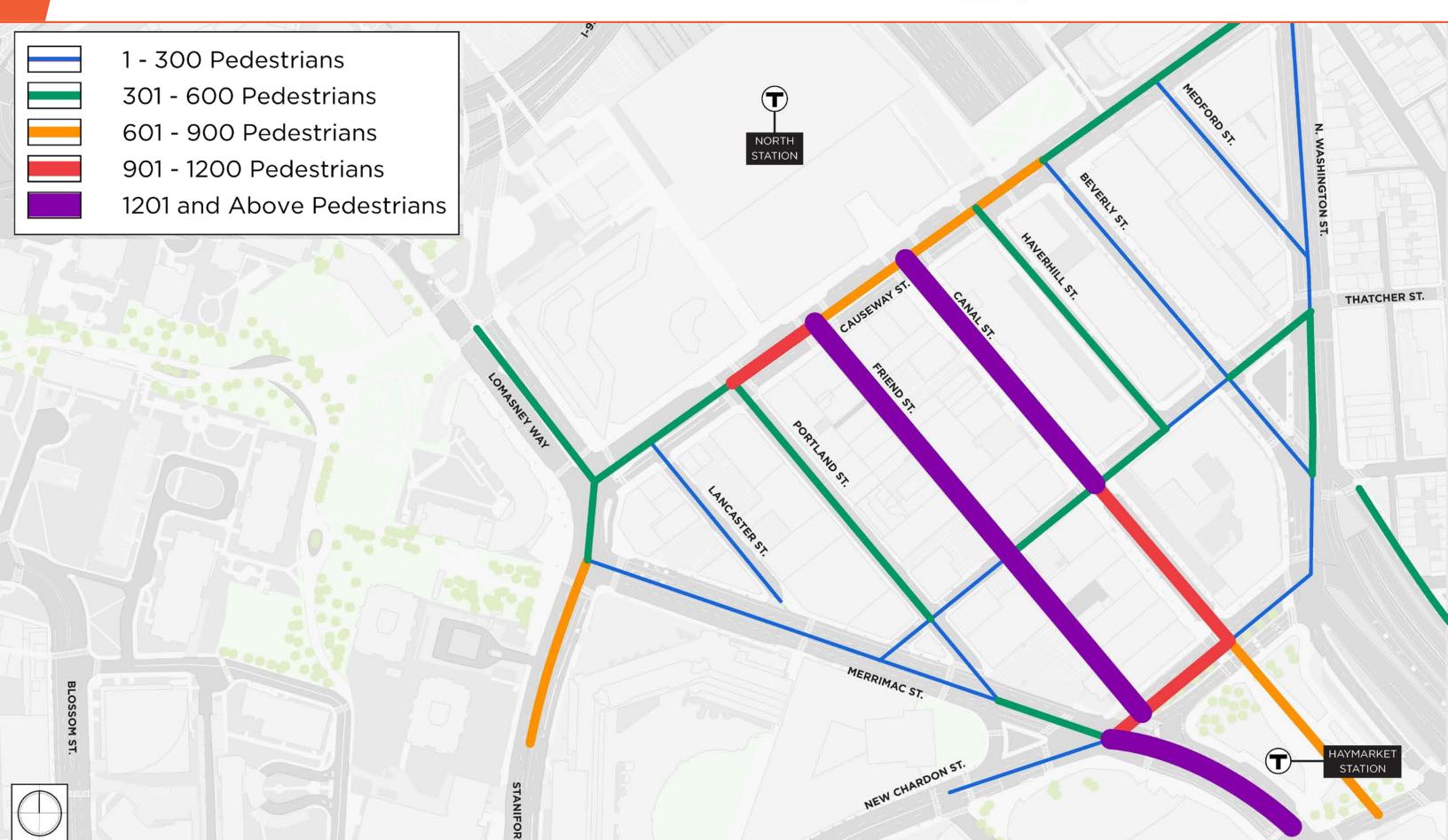


Pedestrian Volumes PM







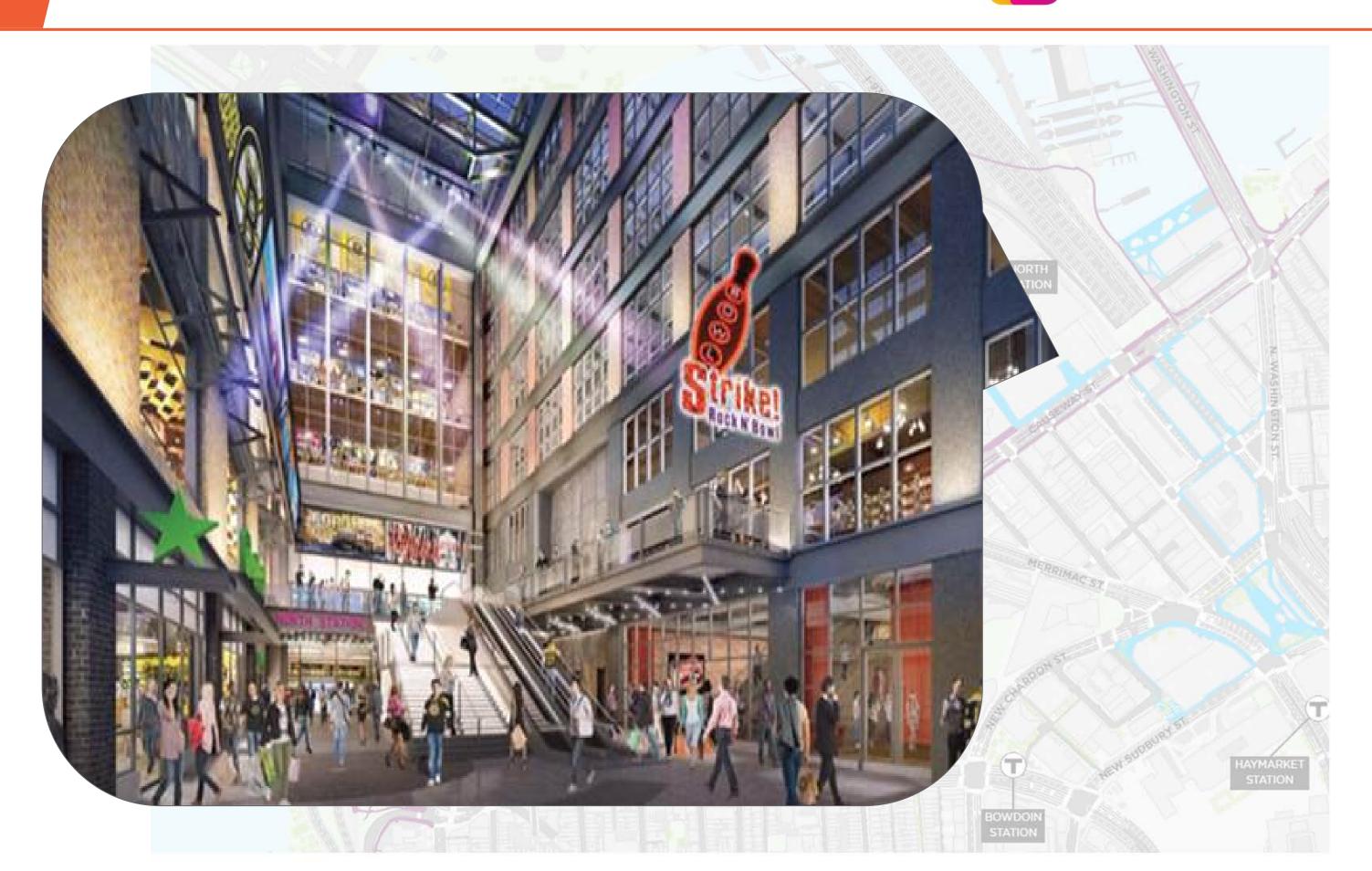


TD Garden and North Station Entrance boston planning & development agency









Govt. Center Garage and Haymarket MBTA 😆







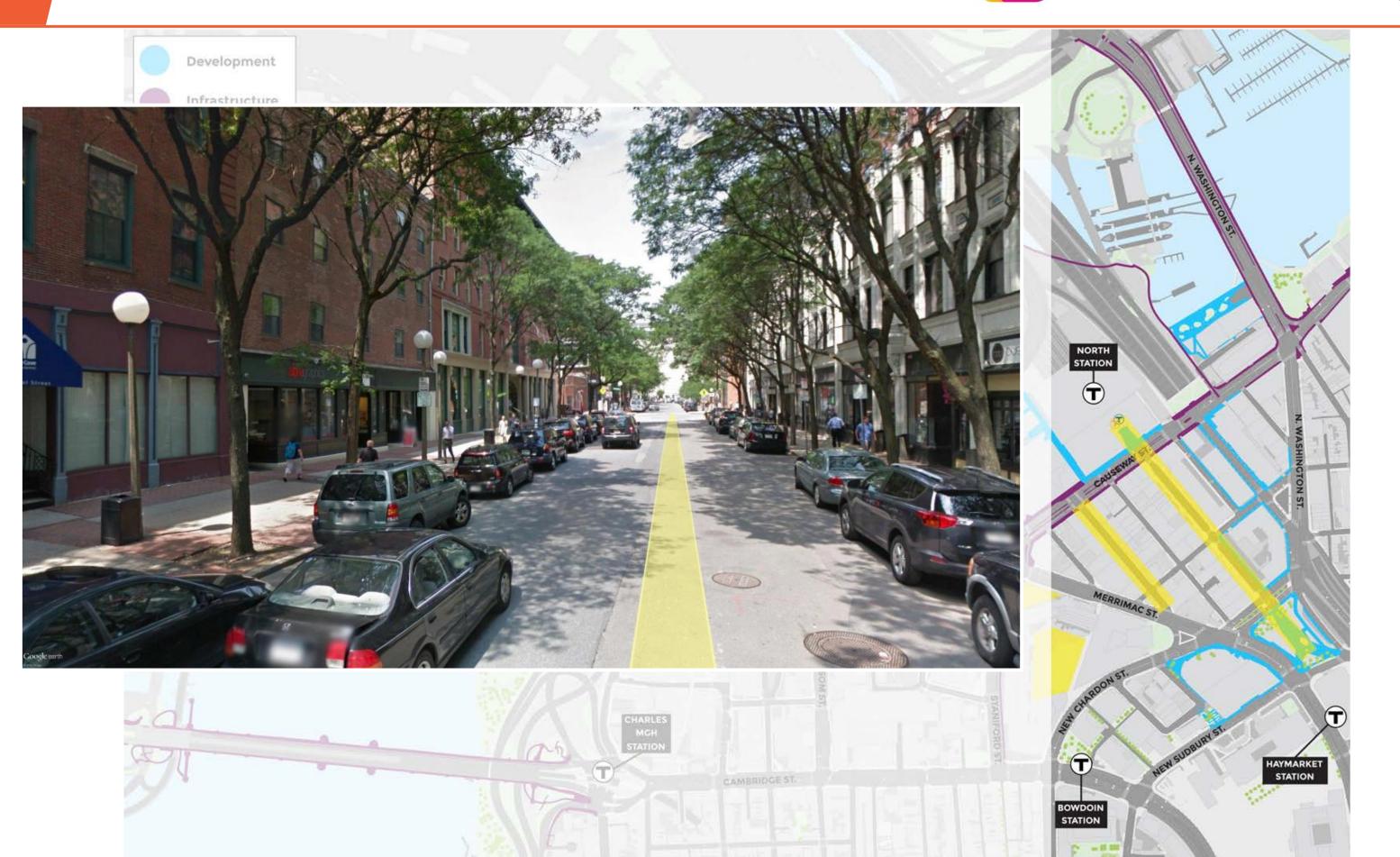


How will Canal relate?







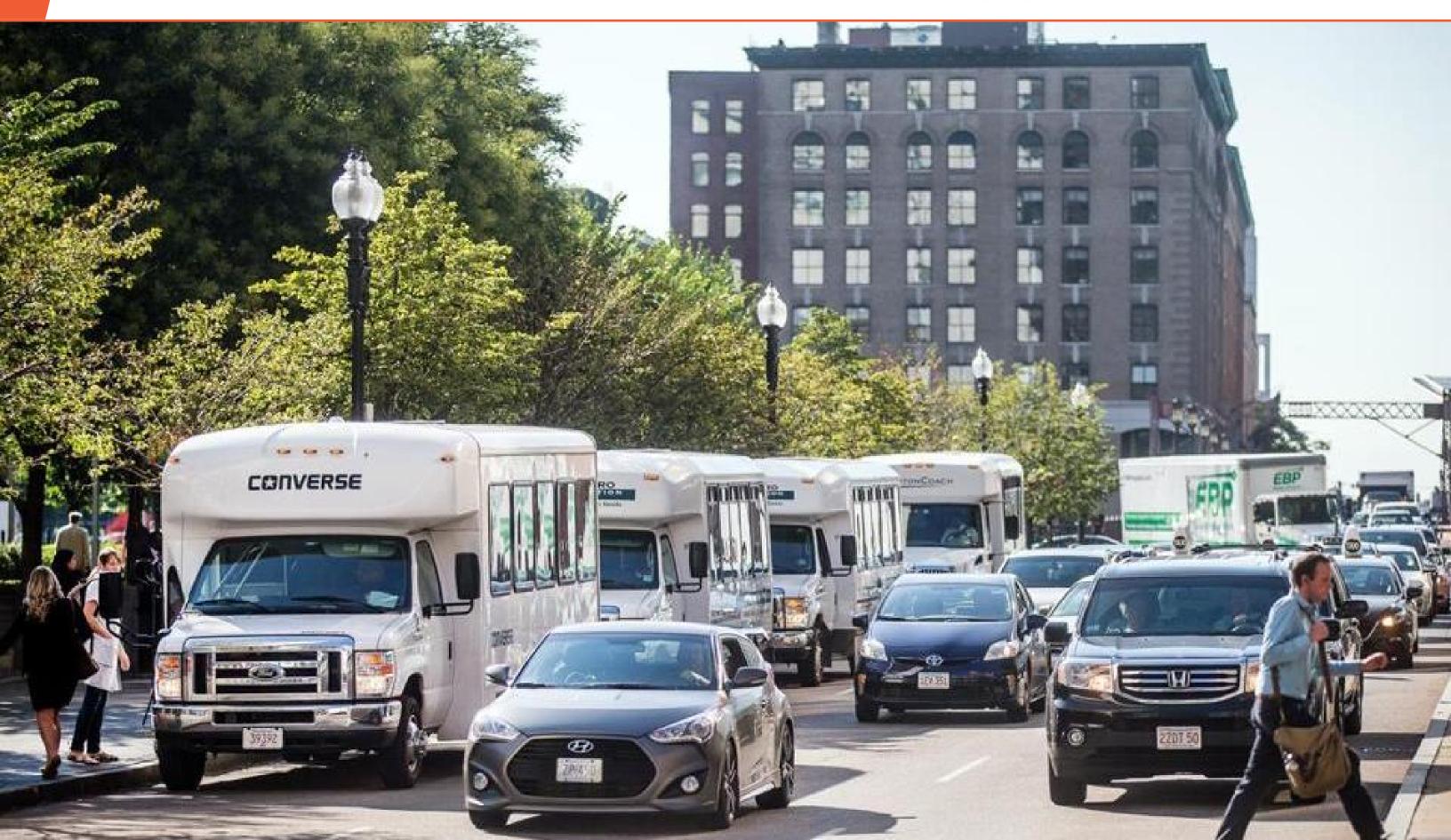


Causeway Shuttle Stop Relocated





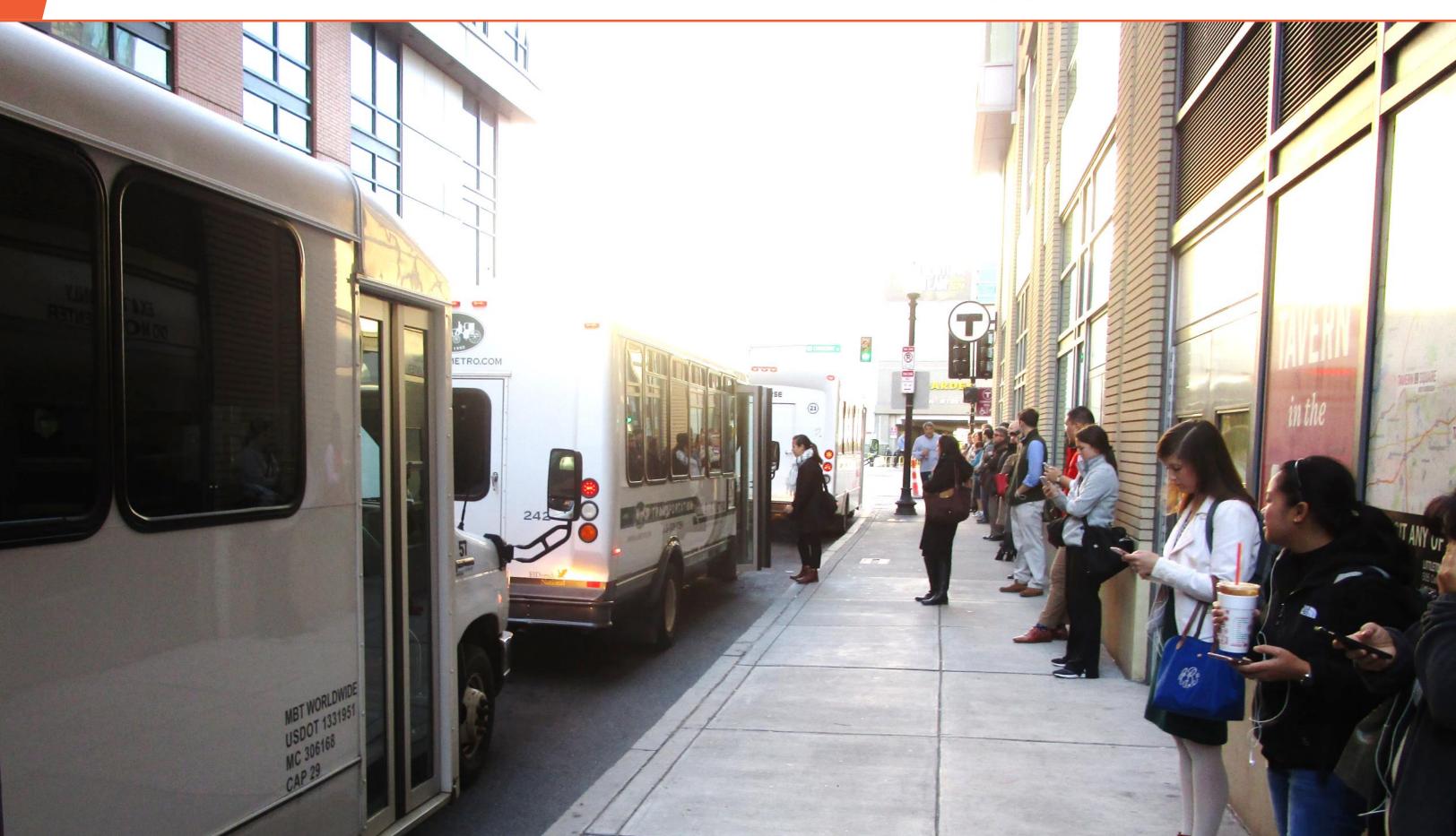








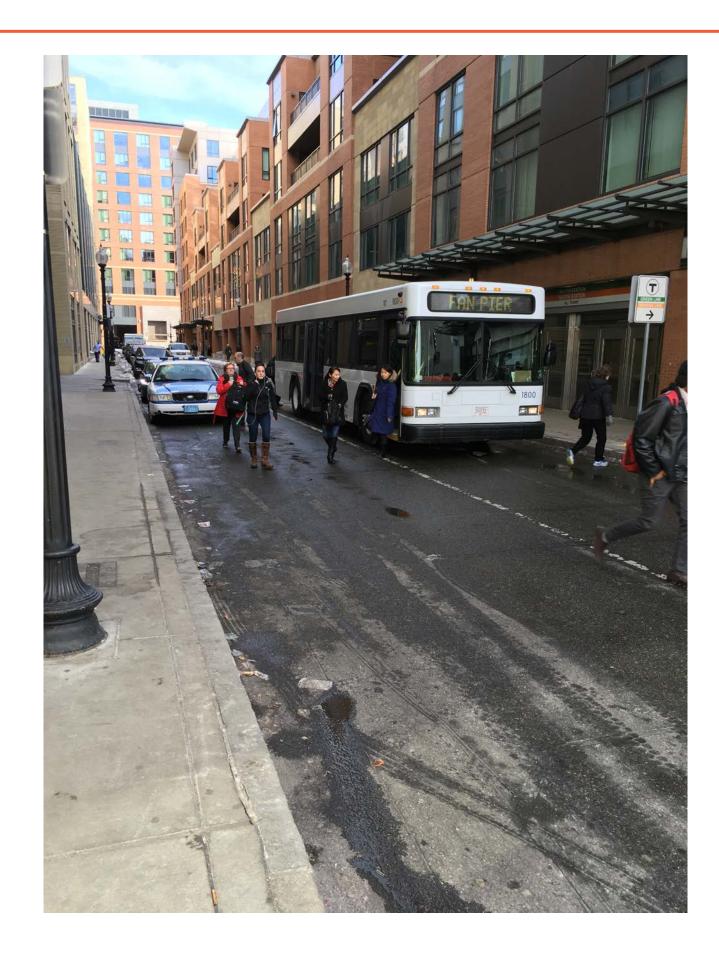


















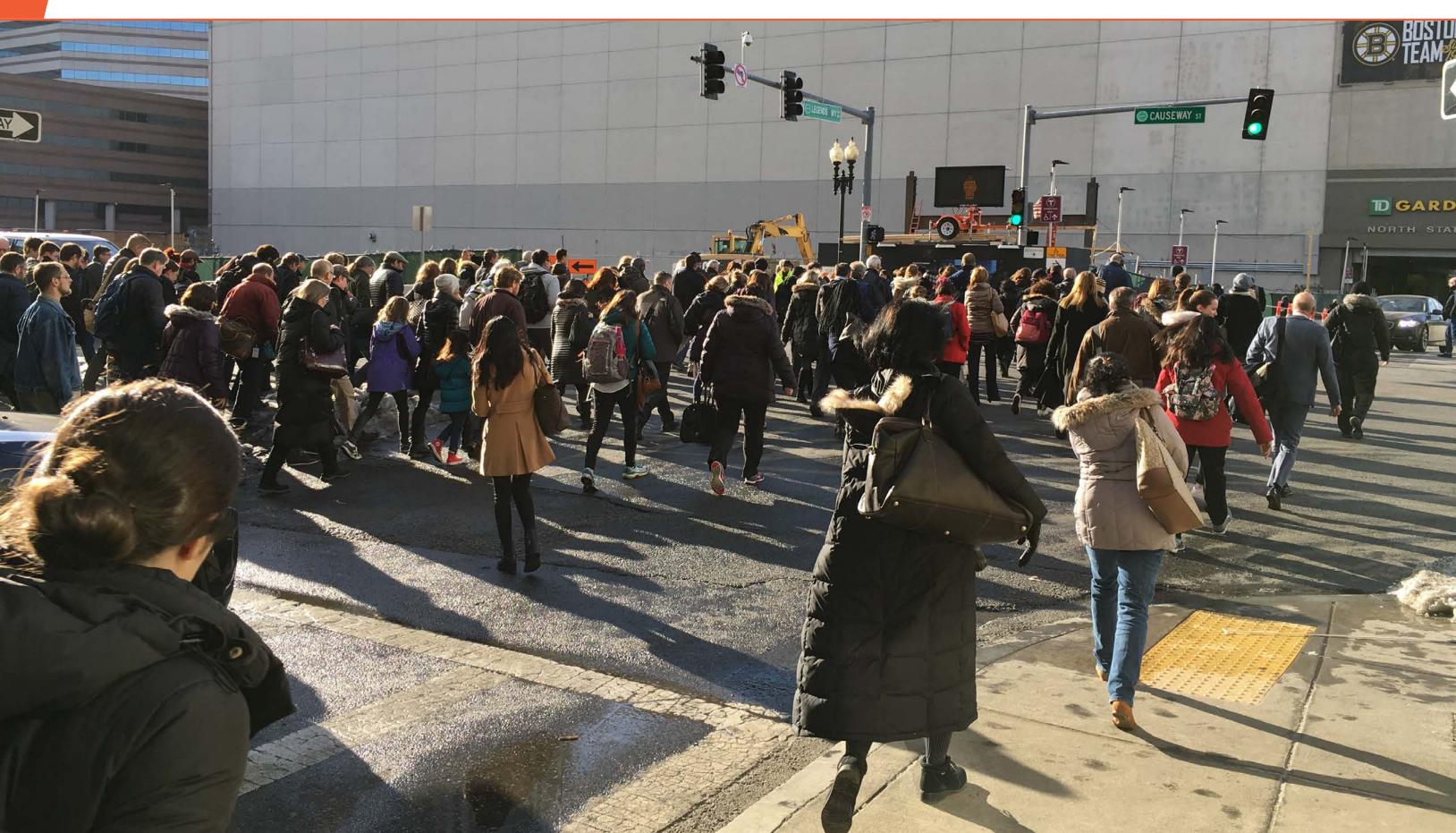












Shuttle Stop Space Needs











- All of Haverhill Street is currently marked for Shuttle use 6am-7pm
- In observations, operations became problematic with < 100 feet of curb space.
- Maximum bus presence was three full-sized buses (120'+ 30'=150', assuming no parallel parking)
- However, space needs could be reduced with scheduling changes and/or shuttle consolidation.
- Staging is minimal at peak times.

Shuttle Stop Space Needs











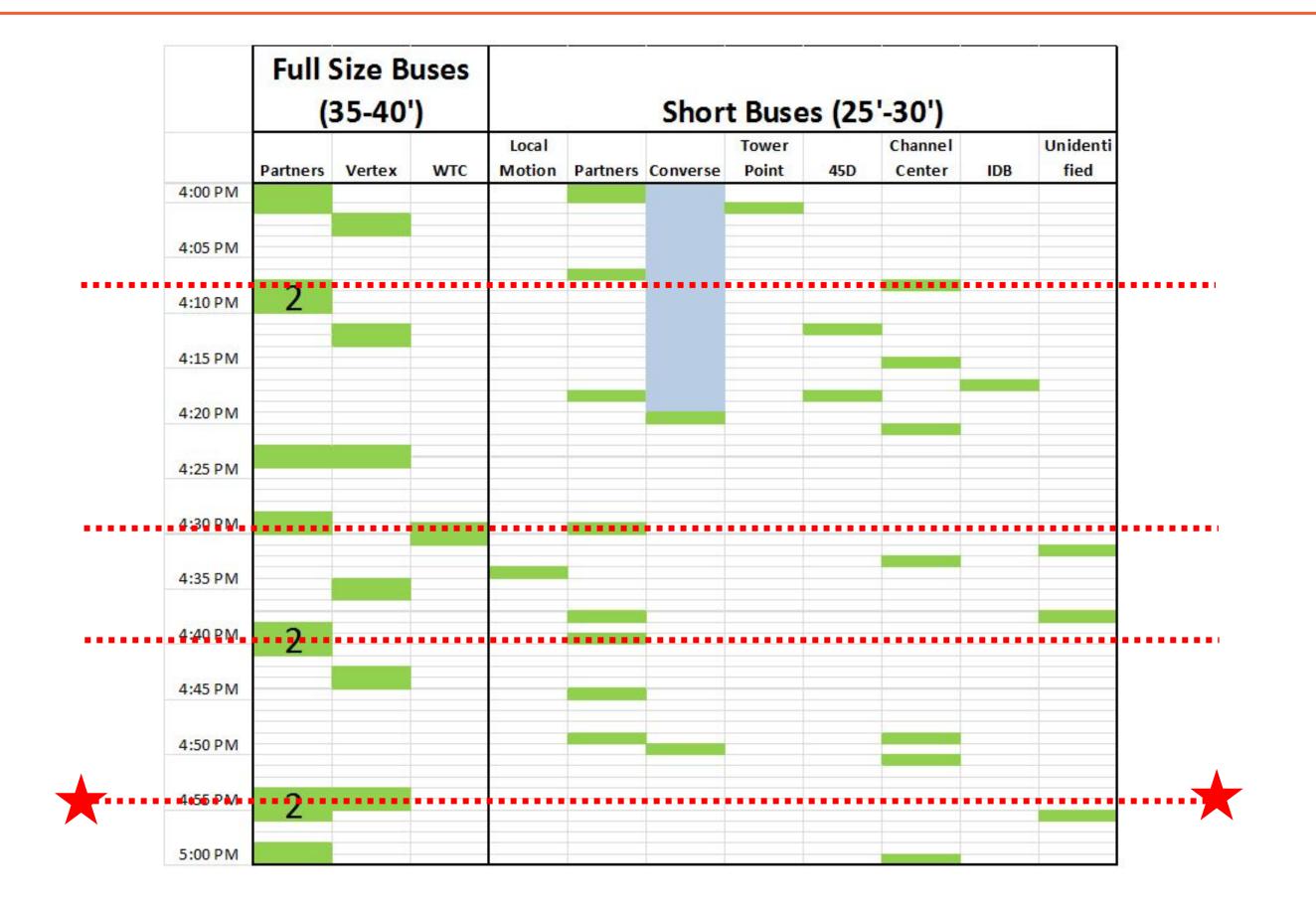
- Delivery trucks compete with shuttles in the morning.
- All of Haverhill becomes police parking during TD Garden Events starting at 5pm.

Shuttle Stop Space Needs (PM Peak)









Consolidation Progress







Signature Boston (MCCA) combined shuttle program:

- Price Waterhouse Cooper
- Goodwin Procter
- Vertex
- Beacon Capital

Goal: six employers total.

Signature Boston Route







North Station to South Boston Waterfront



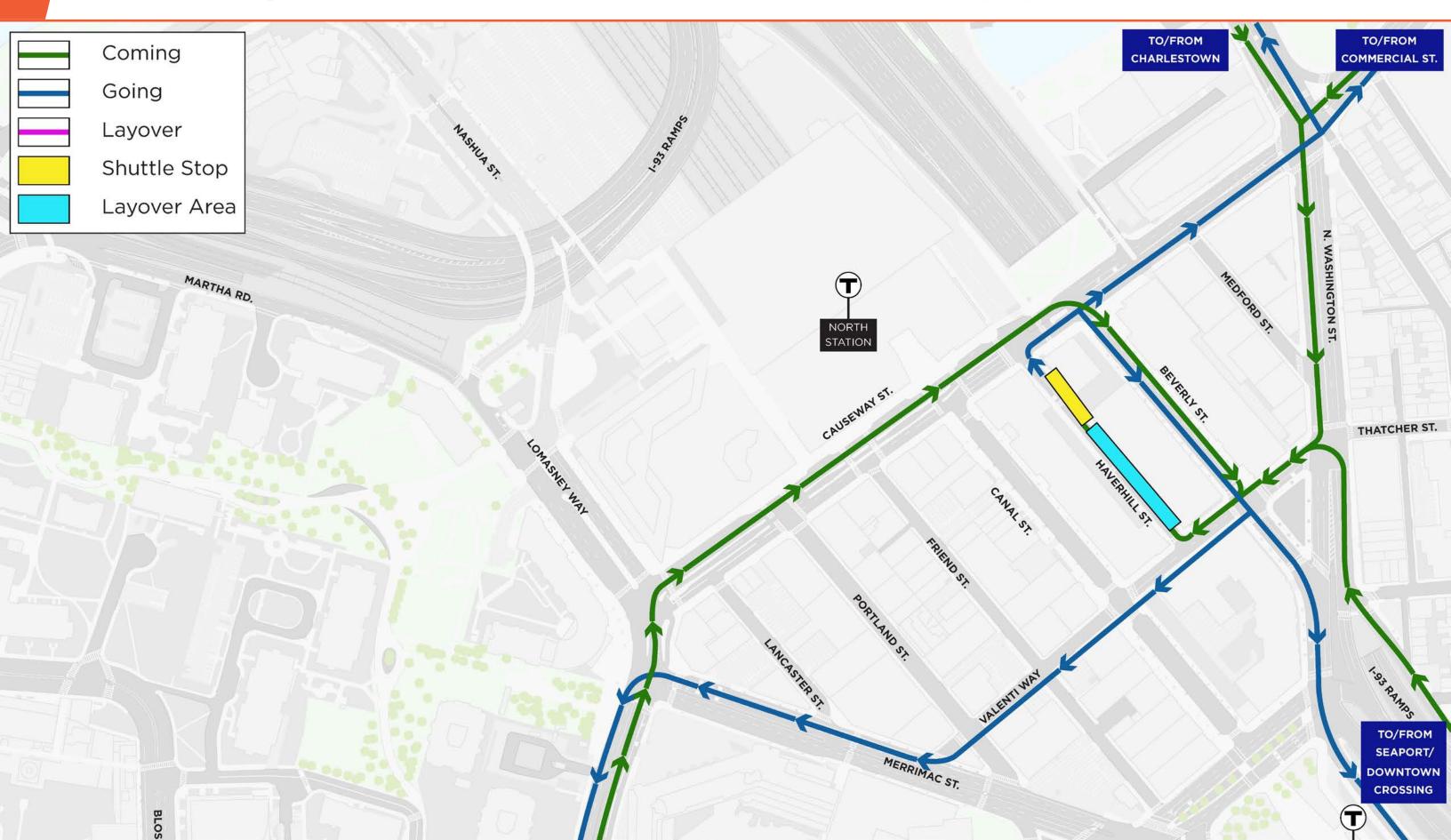
- Not accessible
- Fare System?

Existing Shuttle Stop







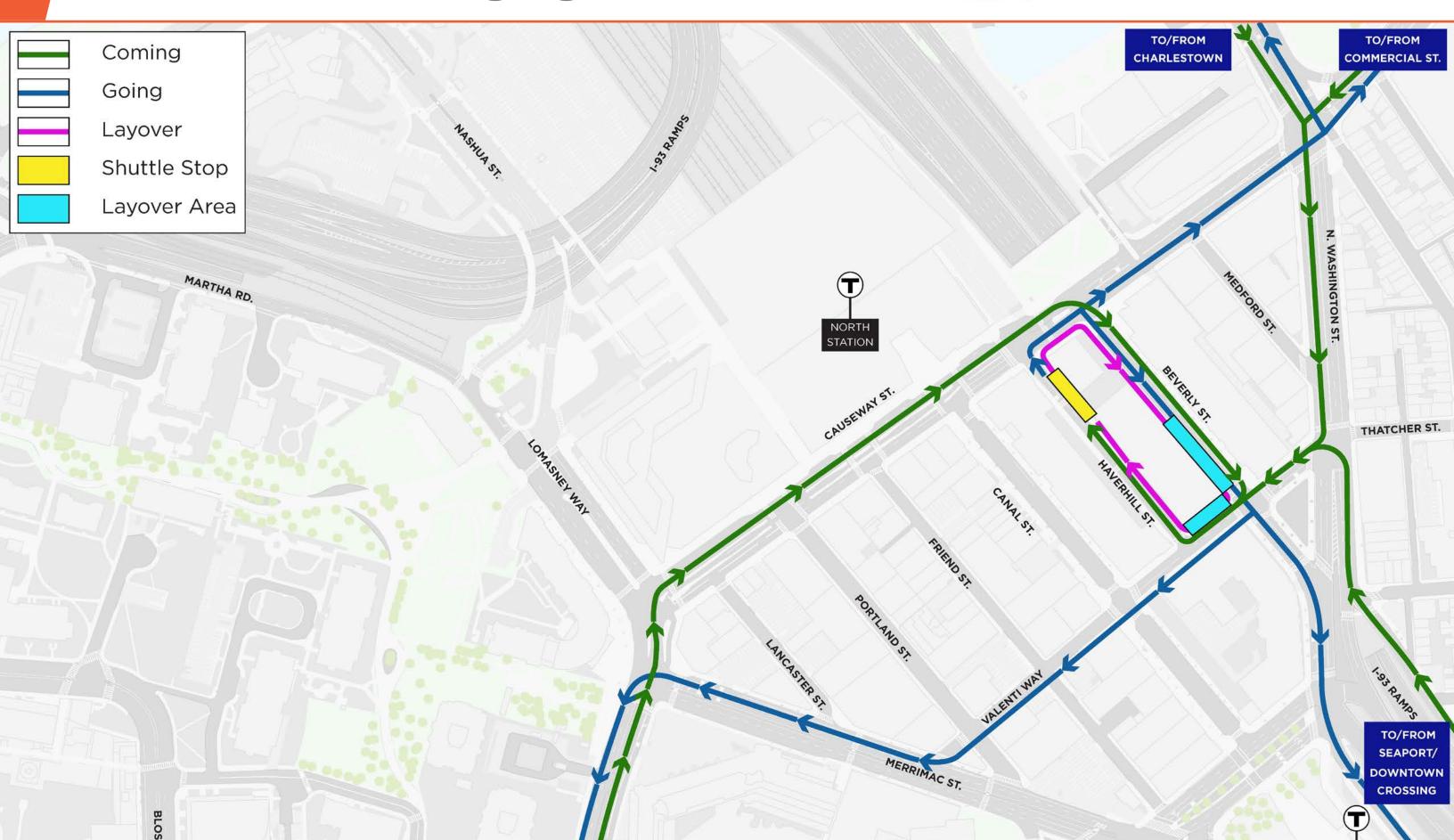


Idea A: Move Staging Area







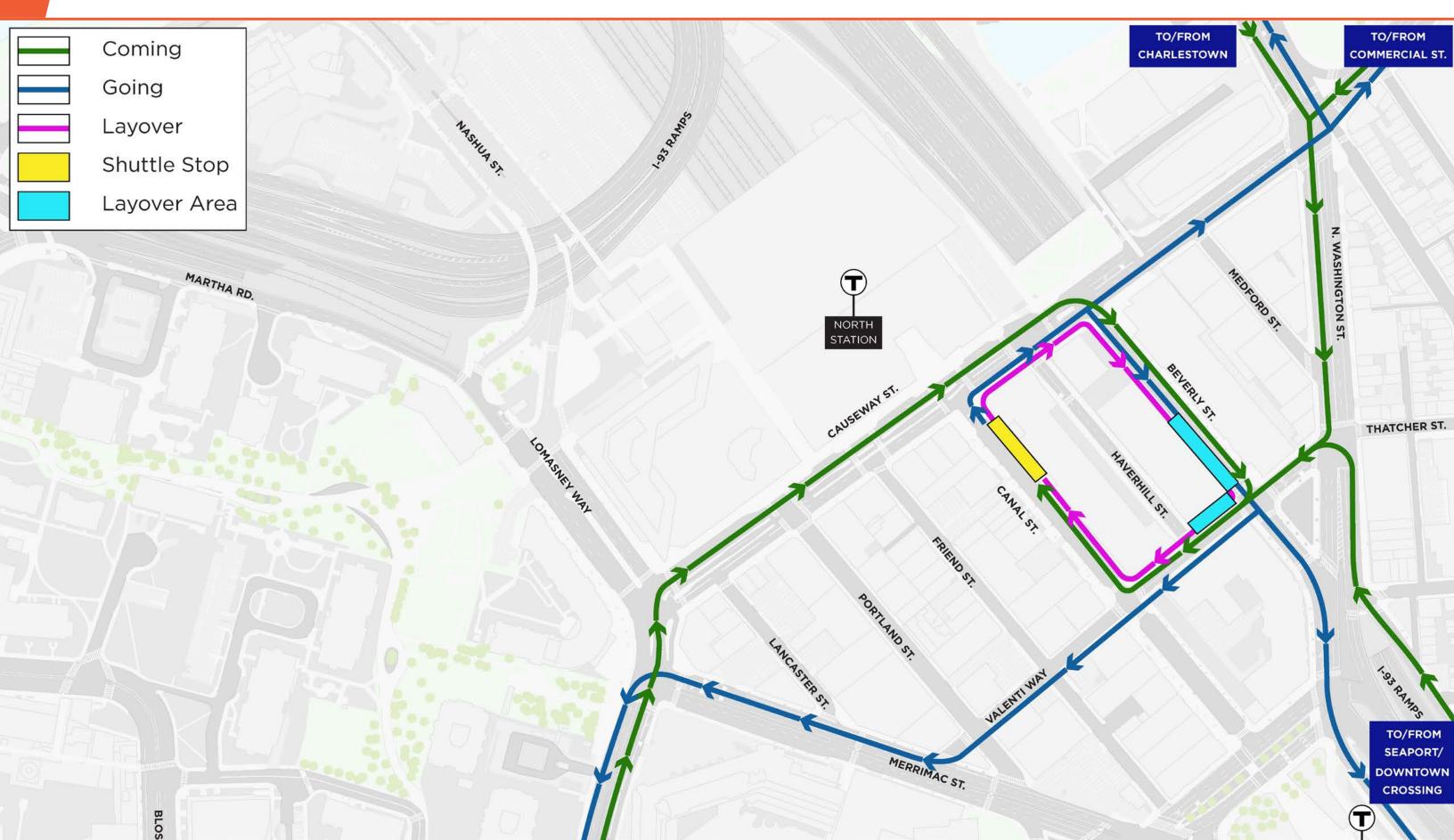


Idea B: Put Customers on Canal St.







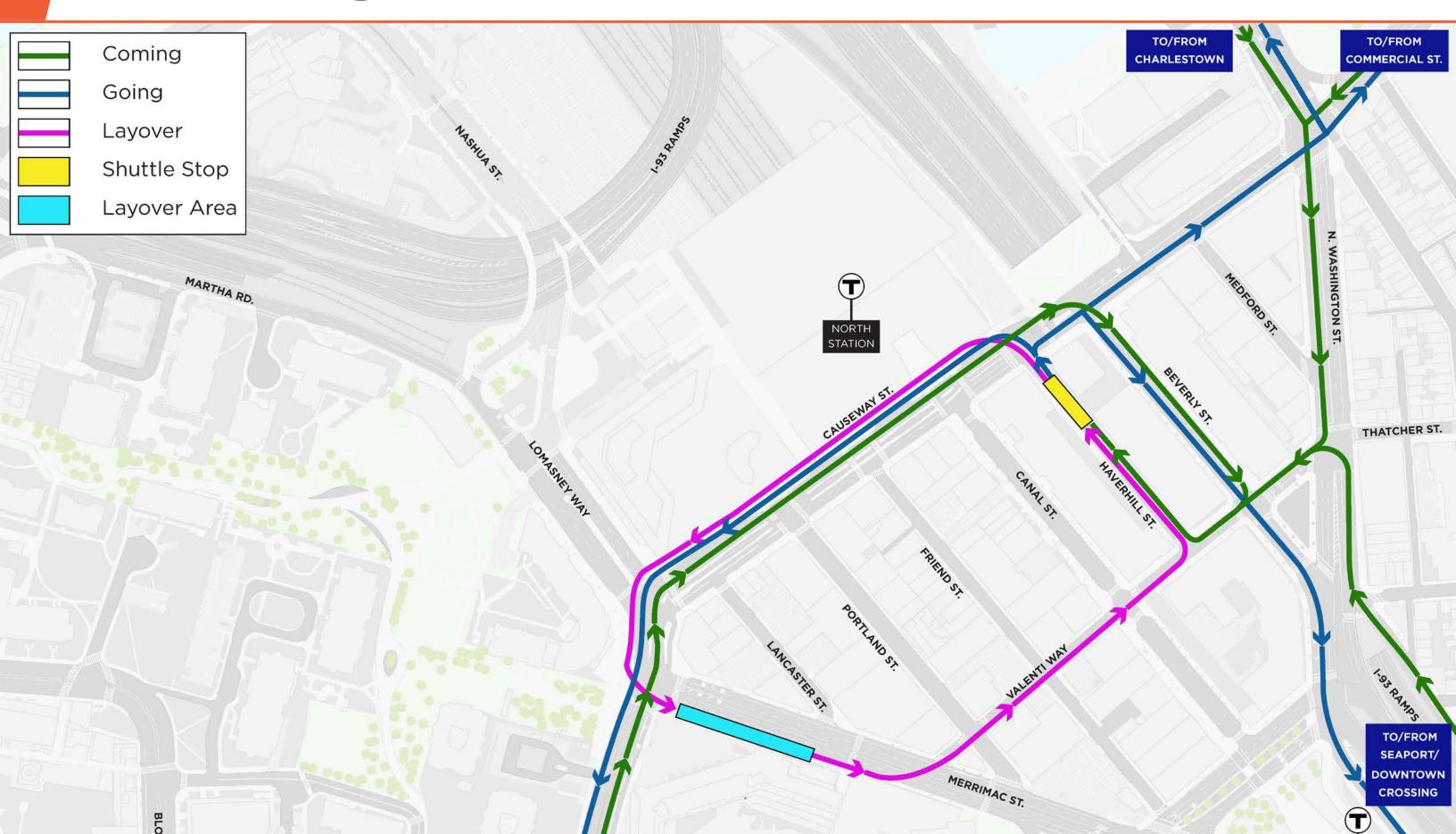


Idea C: Stage on Merrimac St.







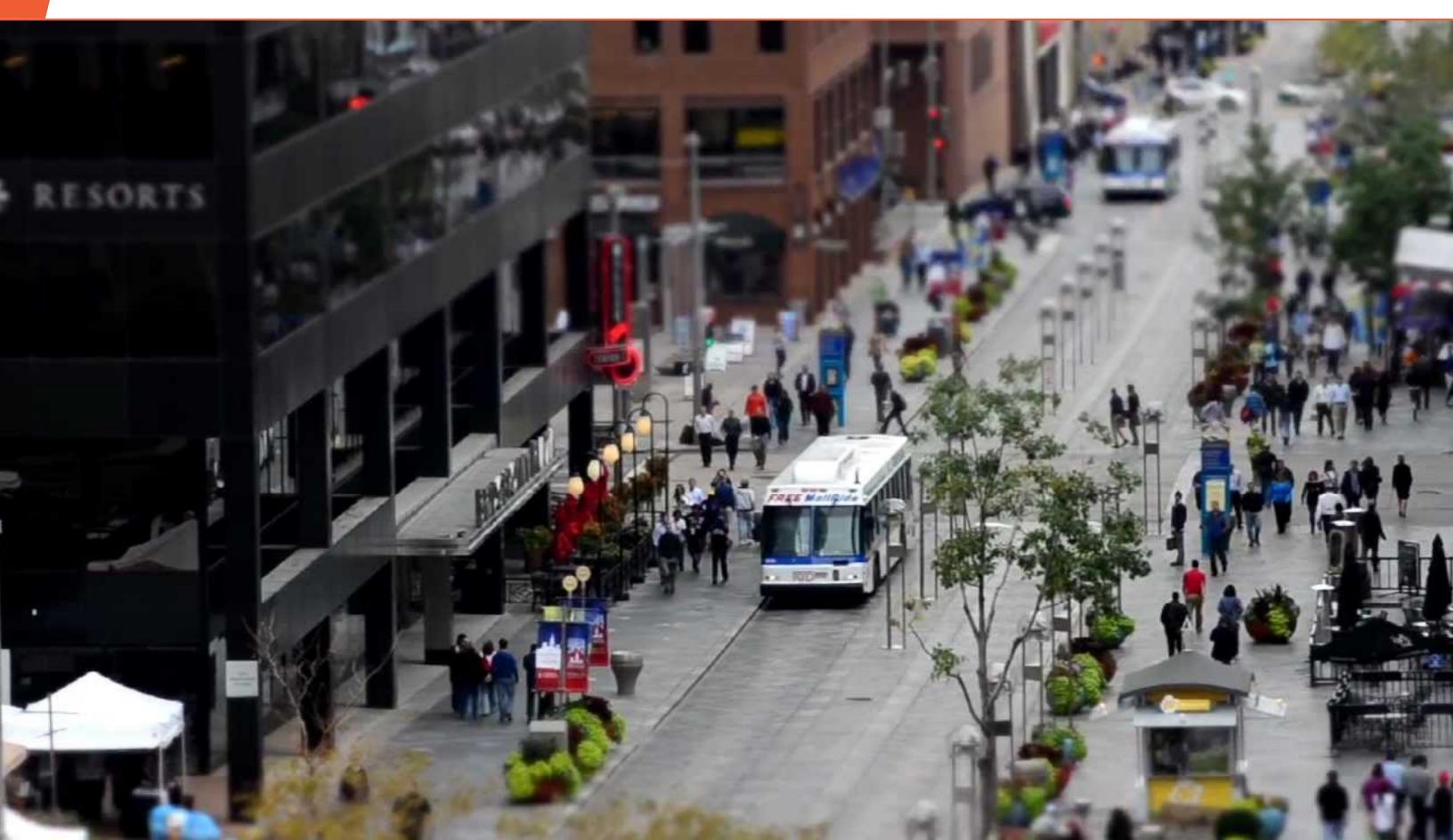


16th Street Mall – Shuttles and Peds







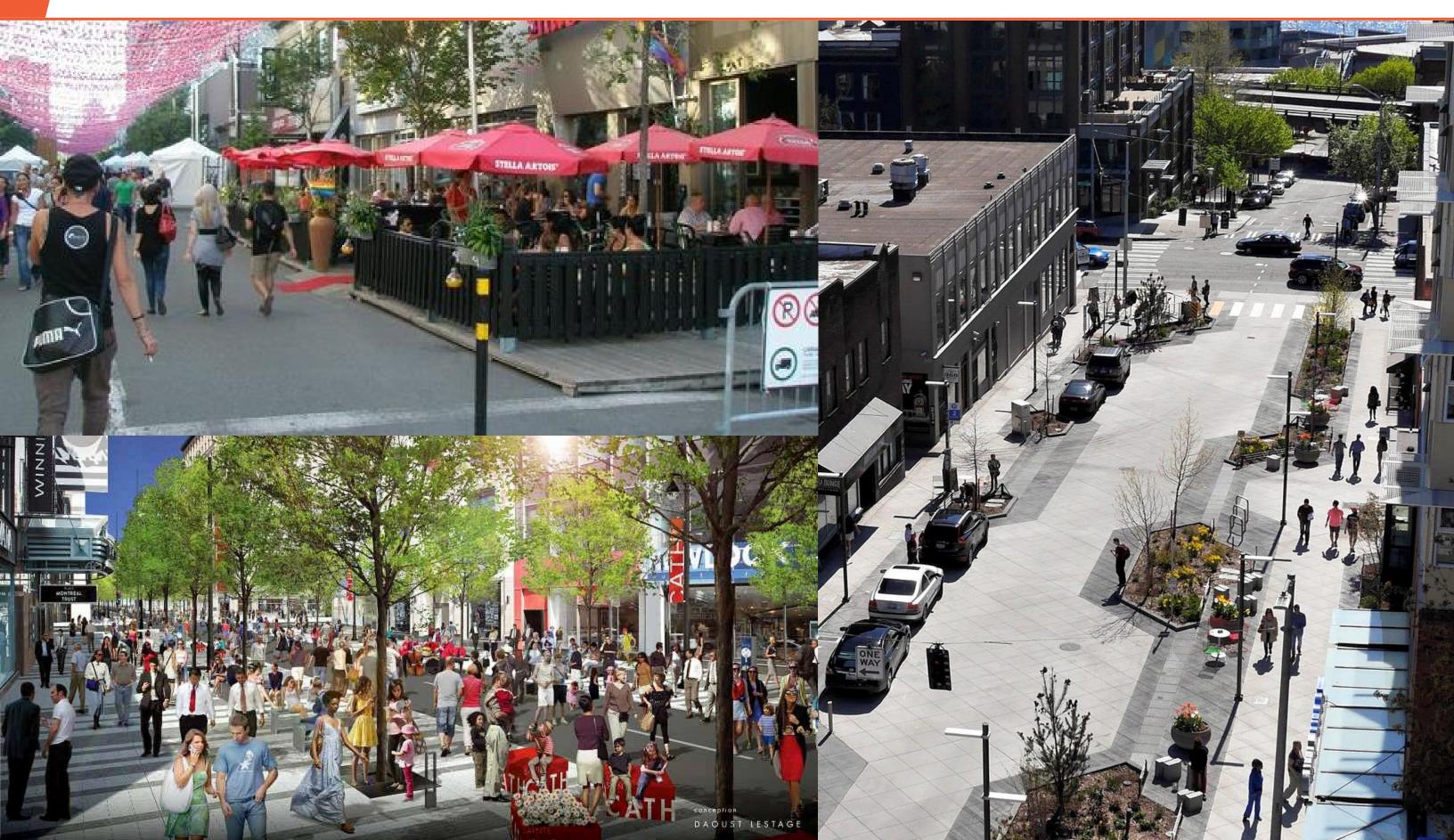


Parklets for Evolving the Streetscape 5









Boston Examples — Yawkey Way









Boston Examples — North End









Ideas for Canal?







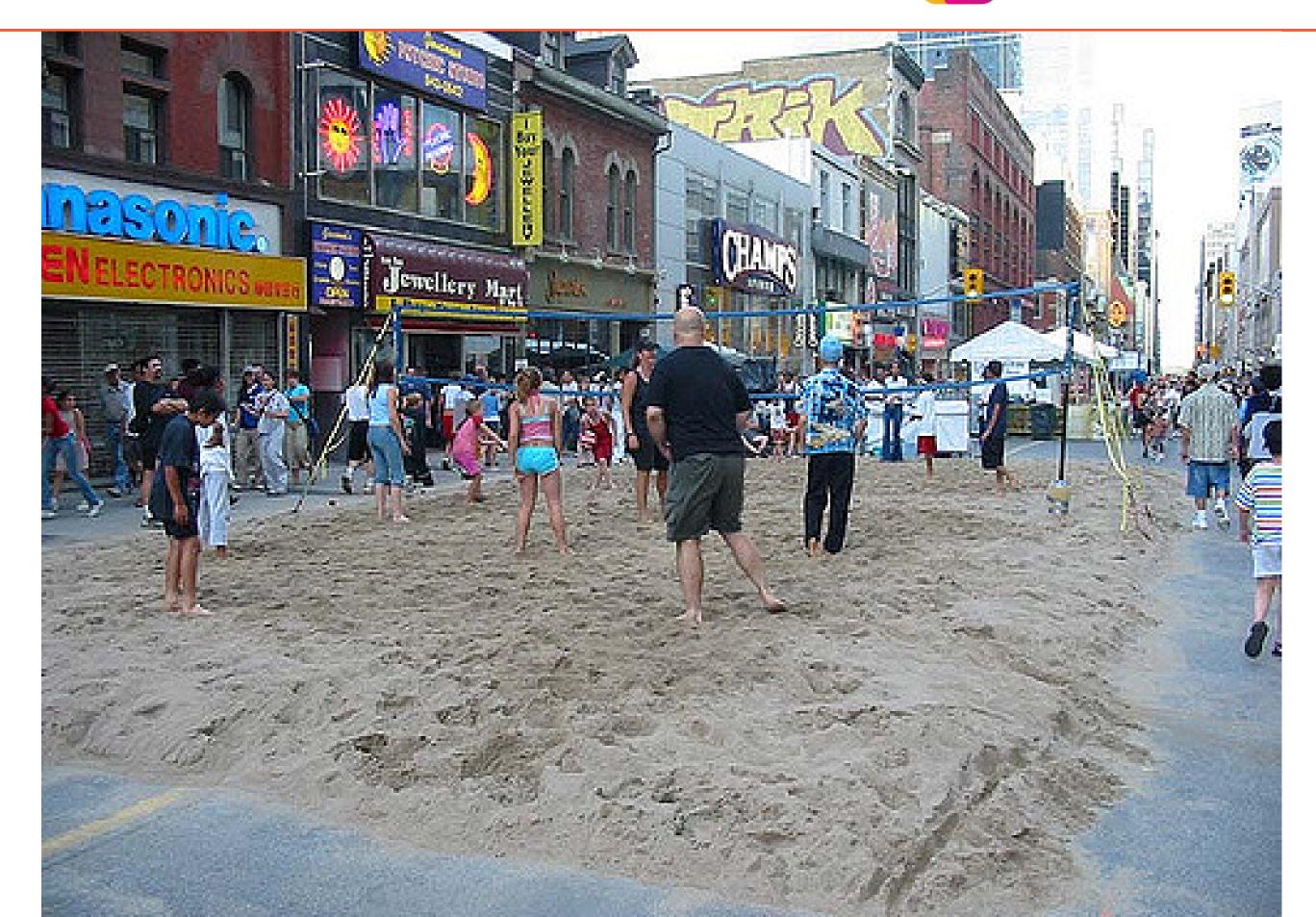


Ideas for Canal?







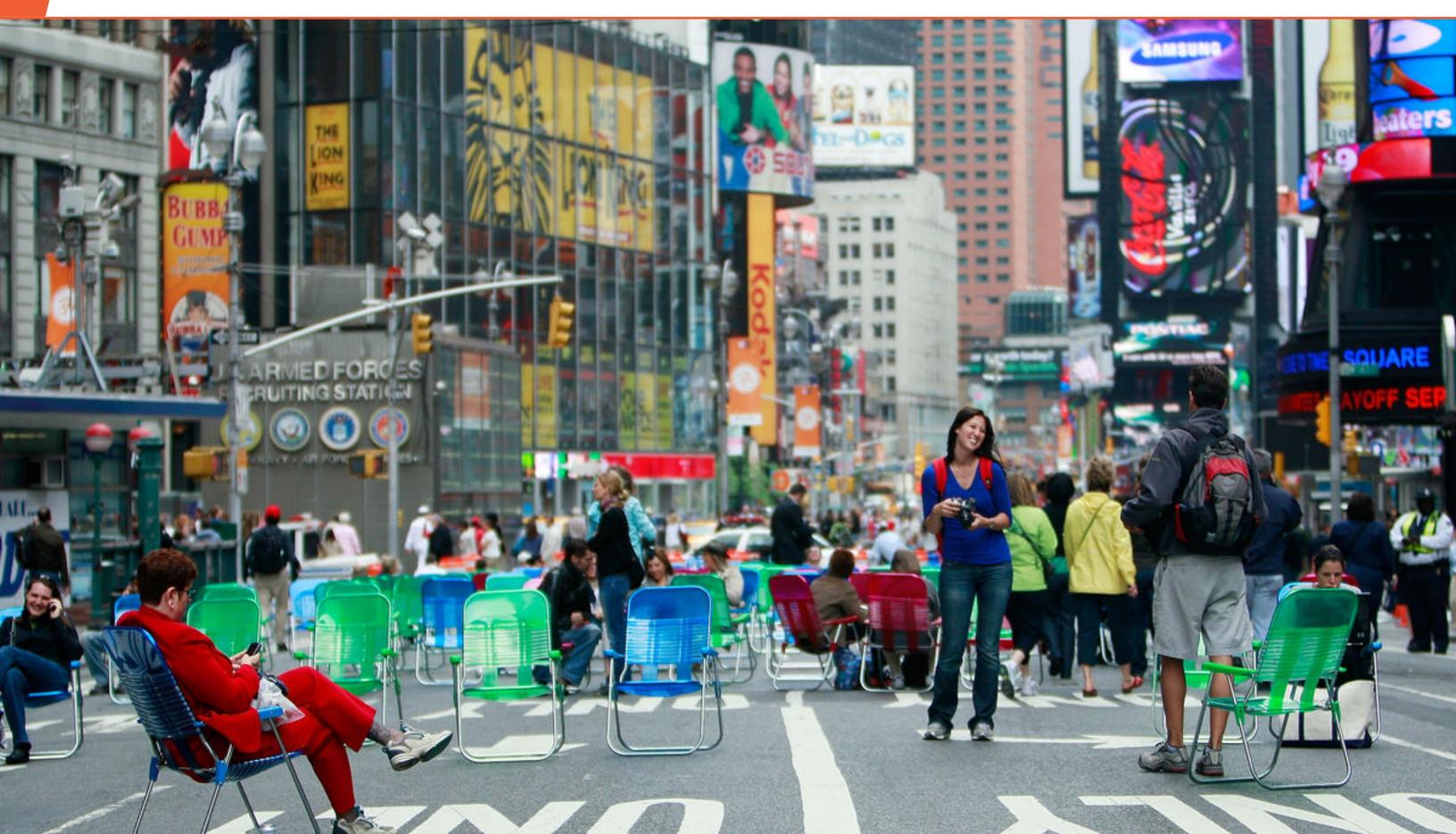


Ideas for Canal?







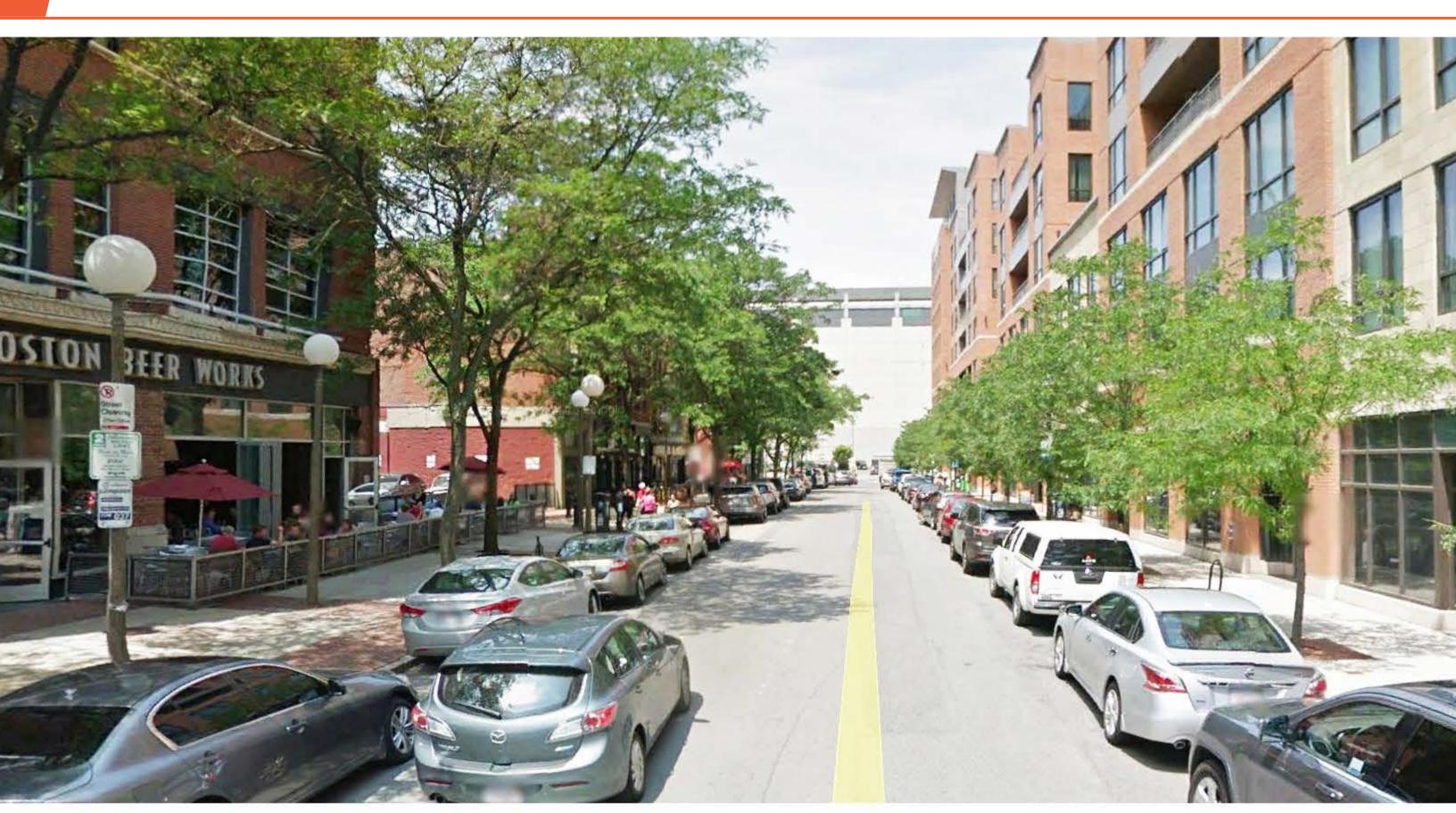


Parklets for Evolving the Streetscape 5







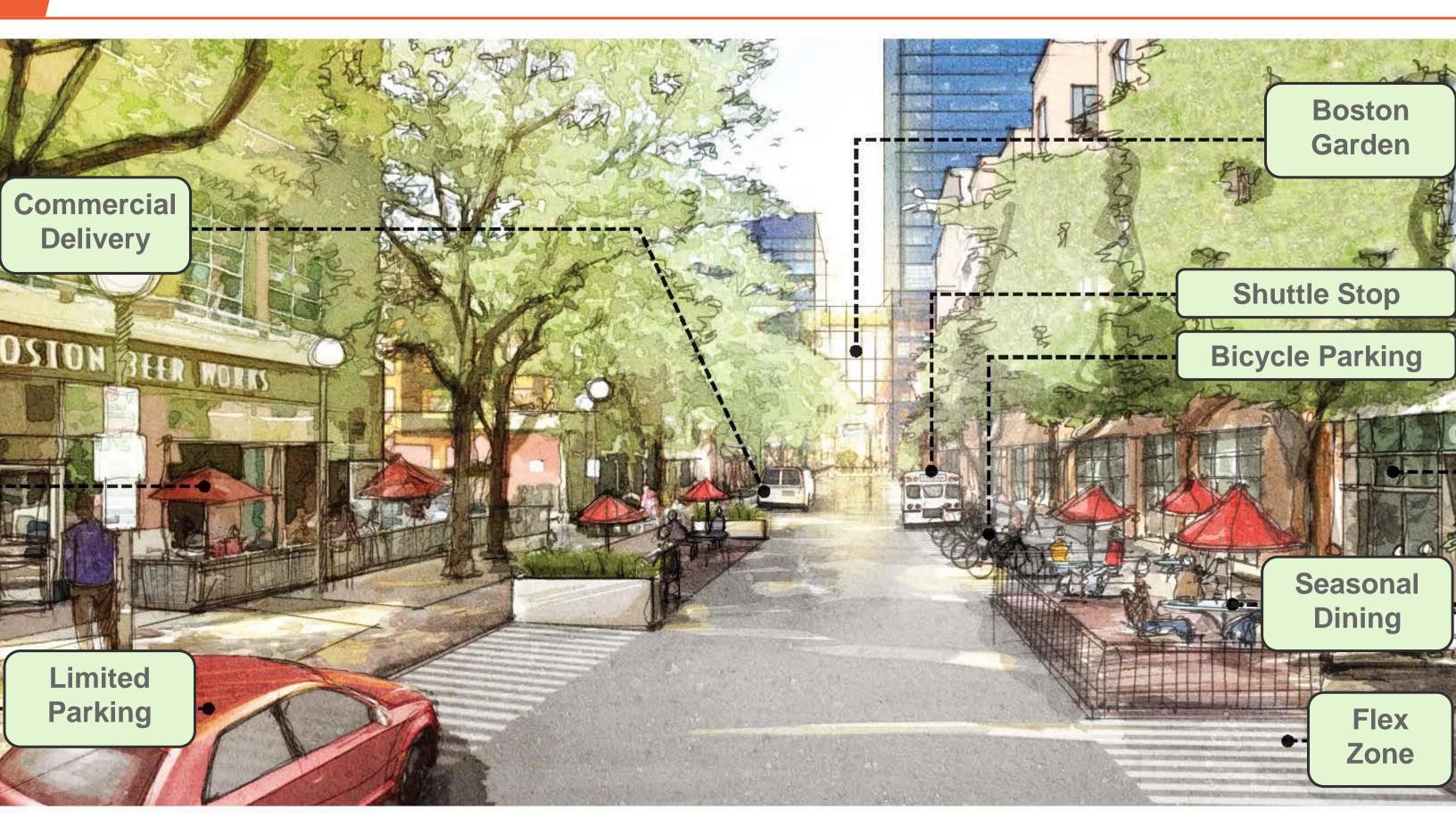


Parklets for Evolving the Streetscape







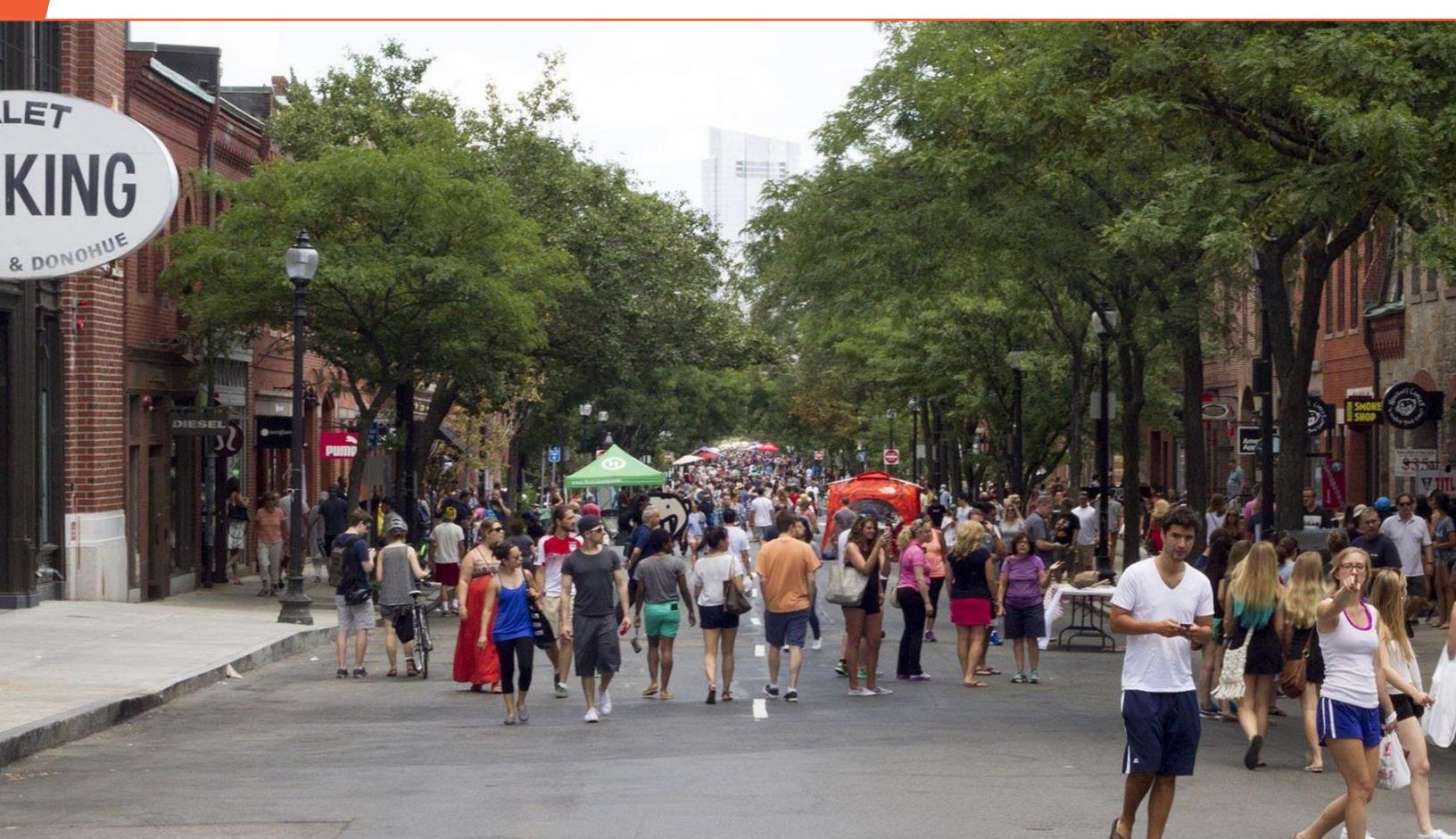


Open Canal Street









The Element of Time

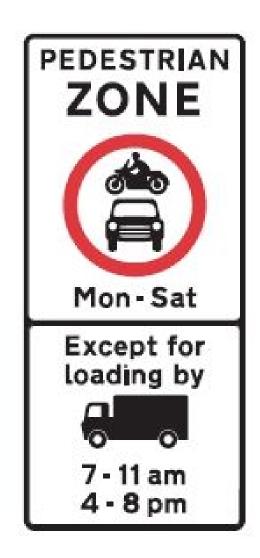






- Early Morning:
 Commercial Delivery
 and Service Allowed
- 11am to 4pm:
 Lunch Hour, limited
 traffic allowed
- 4pm to 9pm:
 Evening Commute
 and Events, no
 traffic allowed







Exercise #1 Primary Goals







- Make the Triangle easier to navigate for vehicles
 - Change directions Valenti Street and at least one other street
 - Emphasize Portland Street over Haverhill Street for left turns
- Create a <u>nice</u> shuttle stop & out of the way shuttle staging area
- Let us know about curb space and other needs!

Exercise #1 Secondary Goals







- Prevent cut-through traffic
- Minimize shuttle delays
- Direct traffic away from Canal Street

Exercise #2 Primary Goals







- Give Canal Street a pedestrian feel (for at least part of the day)
- Slow Traffic Down
- Low Volume Curb uses
- Include shuttle stop?

Exercise #2 Secondary Goal







Allow for Commercial Delivery for at least part of the day

Things to Remember







- We're planning experiments, not permanent conditions!
- Without sacrifice there can be no change.
- Be creative! Consider & record all ideas (this is a brainstorm).