

Presented to:

The Forest Hills Community

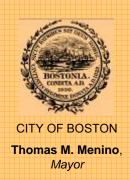
Boston Transportation Department

Boston Redevelopment Authority

MBTA

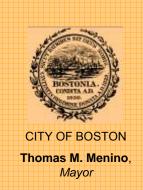




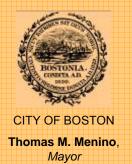


STUDY AREA





Agenda



AGENDA

- 1. Welcome and Brief Overview
- 2. Community Needs and Vision
- 3. Key Findings
- 4. Transportation Action Plan Final Draft
 - Short Term Recommendations
 - Long Term Recommendations
- 5. Next Steps Sequence and Strategies
 - Funding
 - Implementation Strategies
- 6. Community Feedback
- 7. Topic Station Reporting
- 8. Overall Summary

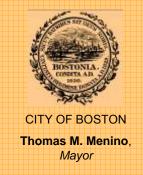
Community Vision & Needs

Emerging Principles:

- Reduce car dependency / minimize car traffic
- Smoother, safer flow for cars, pedestrians, bikes
- New uses to promote pedestrian, bike & T use
- Minimum parking necessary so new uses flourish
- Better pedestrian & bike crossings & connections

Specific Comments:

- Improve connections to area open spaces
- Provide way finding signage
- Improve pedestrian crossing at Washington / New Washington St. intersection
- Activate area under the Arborway overpass



OUR TASKS

Process

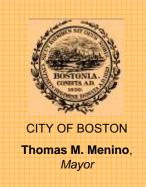




Improve transportation environment for all modes

- Inventory existing conditions
- Analyze data, Synchro-Model, Signal Phasing
- Generate Short-term, lower-cost improvement recommendations
- Generate Long-term recommendations that complement Community Vision

Transportation Action Plan



CONDITIONS AT PROJECT OUTSET, TRAFFIC

Findings

Traffic Flow





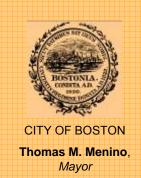


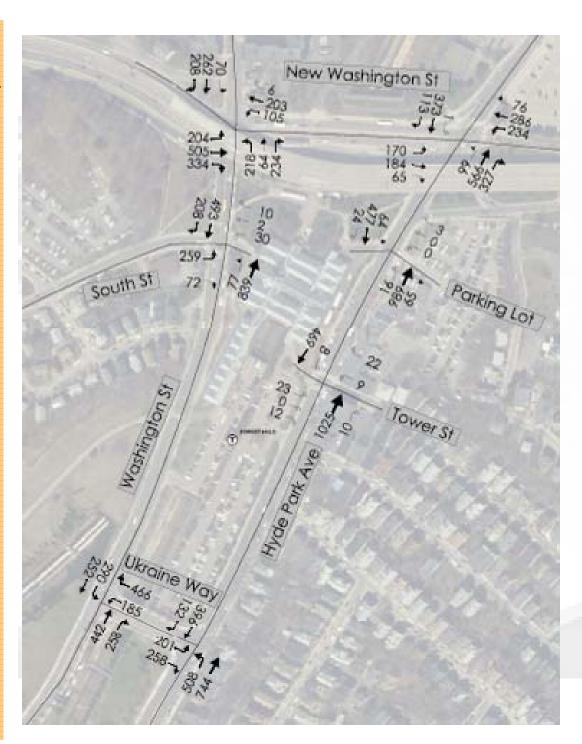




Findings

Traffic Flow

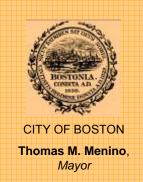


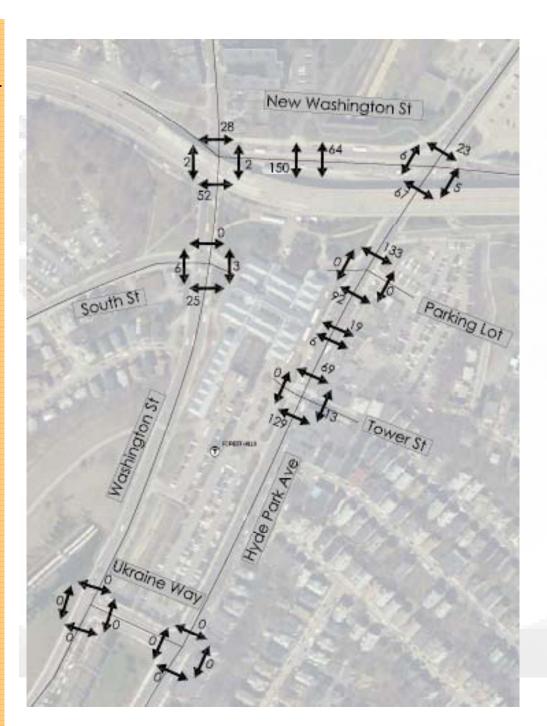


AM Turning Movement Counts

Findings

Traffic Flow

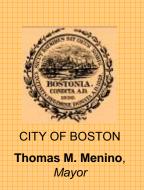


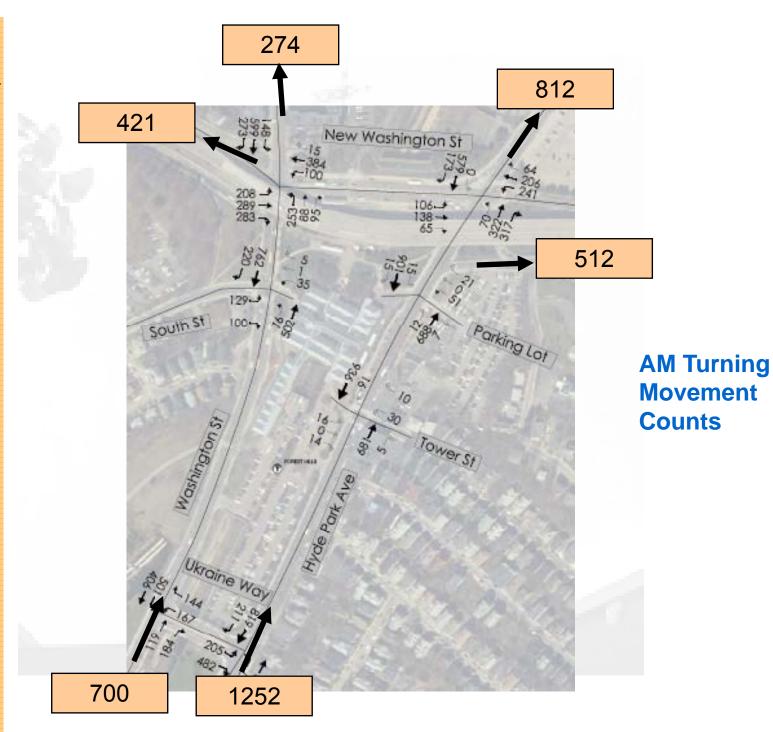


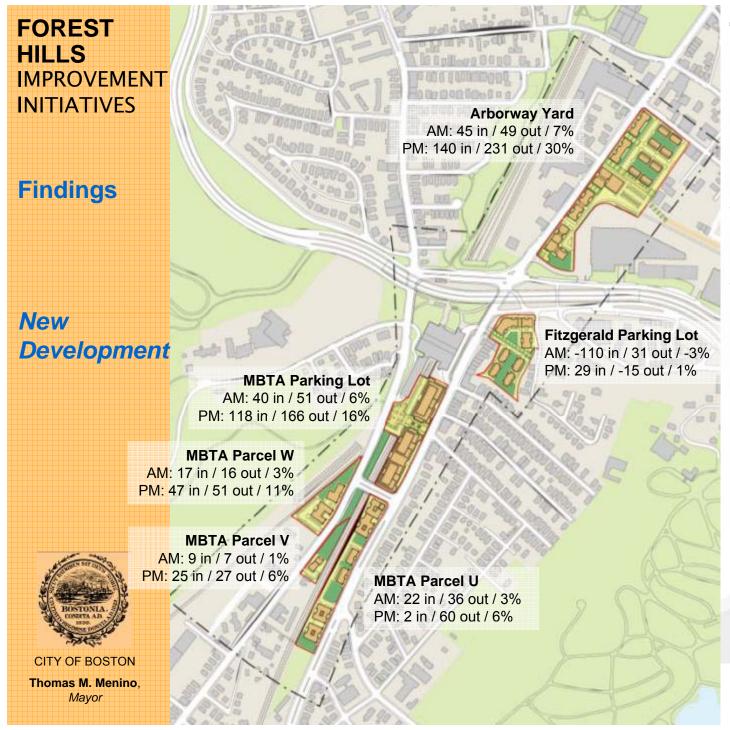
AM Pedestrian Volumes

Findings

Traffic Flow





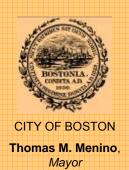


Transportation Impacts of New Development

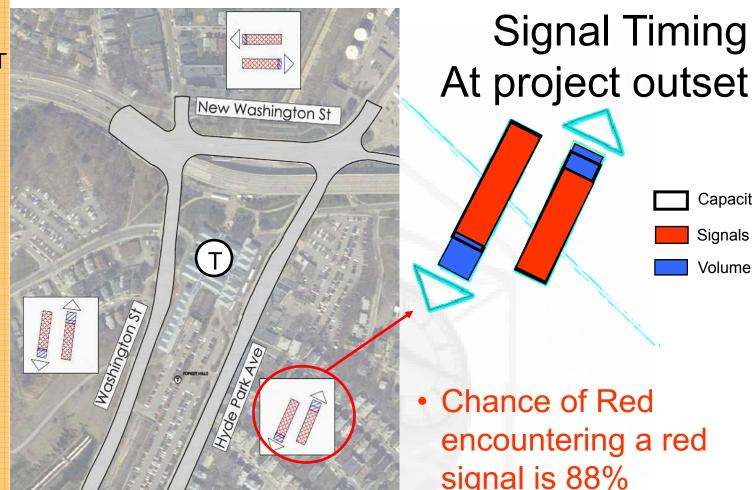
- % = new trips relative to existing auto counts
- Approx. 50% of all new trips are by walking or biking

Findings

Signals



Ukraine Way



Capacity

Signals

Volume

encountering a red signal is 88%

Capacity

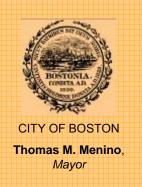
Signals

Volume

 Leads to driver frustration and erratic pedestrian crossing behavior

Findings

Bike network



Existing Bicycle Network

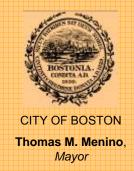


TRANSPORTATION ACTION PLAN

Short Term Recommendations

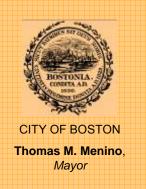
- Signal Timing and Coordination
 - Underway by BTD
- Pavement Markings
- Signage
 - Regulatory, Way Finding
- Crosswalks
- Bicycles
- Cab Stands/Bus Drop-off





Findings

Signal Coordination

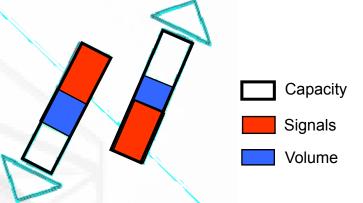




Signal Timing

COORDINATED SIGNALS

- Impact on efficiency



Two Lanes in each direction

- Reduce time spent in the corridor
- Improved driver and pedestrian behavior
- Chance of Red is reduced from 88% to less than 50%
- Capacity Surplus is 34%

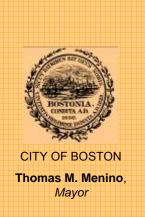
Transportation

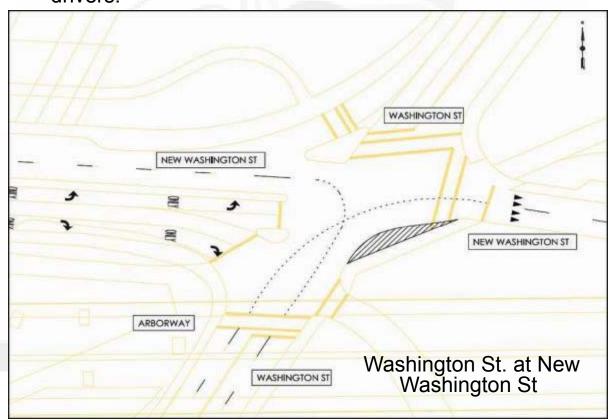
Action

Plan

Pavement Markings

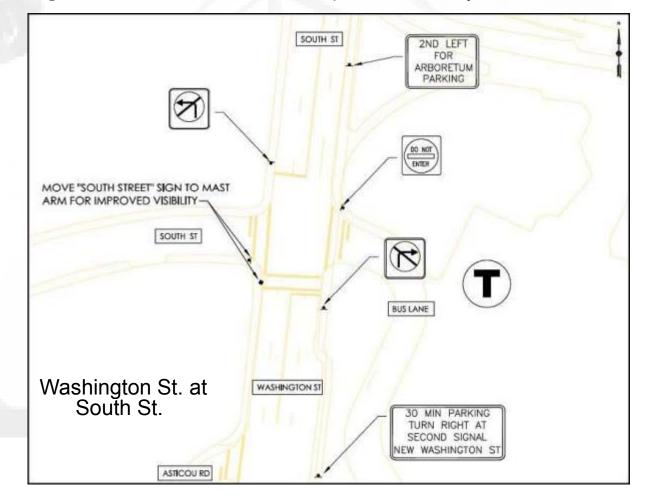
- Lane line extensions should be added
 - Provide guidance for left-turning drivers
- Maintain existing pavement markings
- Additional legends (e.g., RIGHT TURN ONLY) should be added to address extended queues.
- Gore areas should be added
 - Provide guidance to drivers
 - Reduce overall dimensions to the intersection to guide turning drivers.



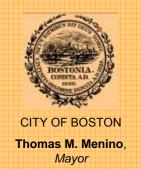


Signage

- "Do Not Enter" and "No Left/Right Turn" in advance of the intersection
 - inform drivers of the turning restrictions
- Way-finding signs
 - direct drivers to available parking on New Washington St.
- Signs should be relocated for improved visibility.



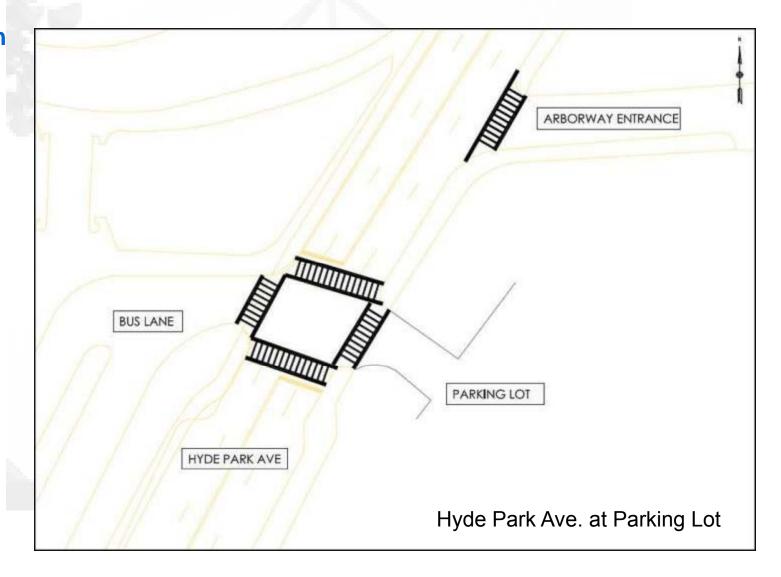
Transportation Action Plan

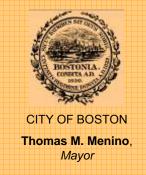


Crosswalks

- Maintain all crosswalks
 - All should be similar to other crosswalks (e.g., ladder type) surrounding Forest Hills.

Transportation Action Plan



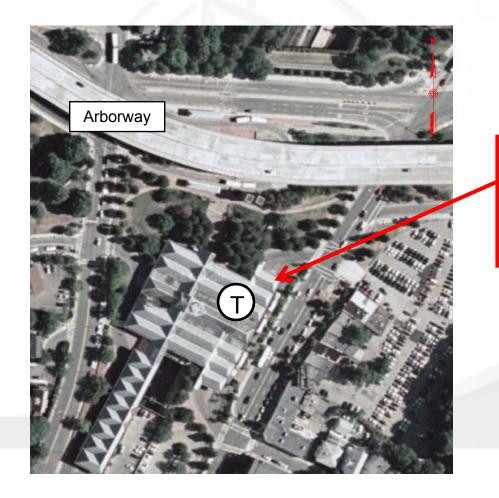


Bicycles

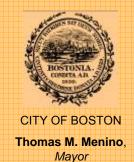
Add bike racks near existing businesses Explore opportunities to provide safe bicycle storage at MBTA Station, consider:

- Collaborate with Station Businesses e.g. "Coffee, Juice and Bike Storage"
- Bike Lockers / "Bicycle Station"

Transportation Action Plan



Provide Safe Storage for Bicycles



Cab Stands

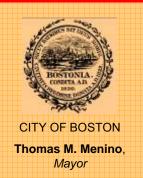
Adequately sized cab stands exist

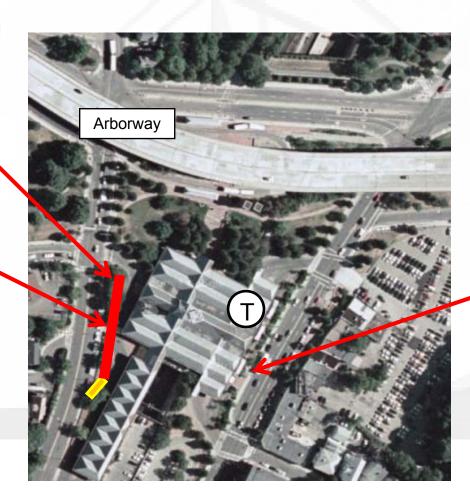
- Provide signage in station to all cab stands.
- Cab stands should be enforced regularly.
- Cab stand on Washington St should be moved behind the pick-up/drop-off lane

Transportation Action Plan

Enforce Cab Stand Regulations

Move Cab Stand Behind Pick-Up/Drop-Off





Encourage Cabbies to use East side of the Station

School Busses

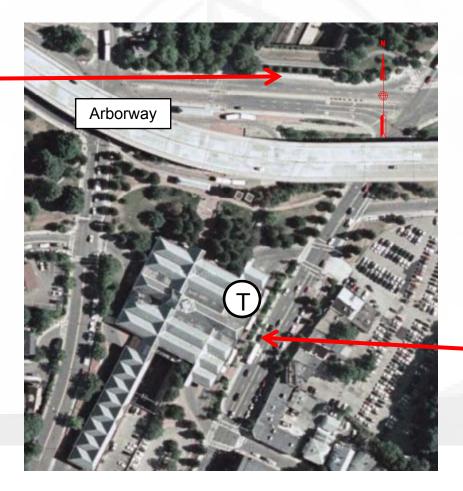
Busses should pull into curb recesses while picking up students.

- Use the existing pick-up drop-off areas on Hyde Park Ave.
- Share the underutilized cab stand on New Washington St.

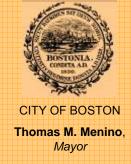
Transportation Action

Plan

Share cab stand with busses.



Enforce pick-up drop-off use.

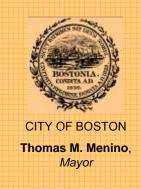


LONG TERM RECOMMENDATIONS

Traffic Circulation

Transportation Action Plan

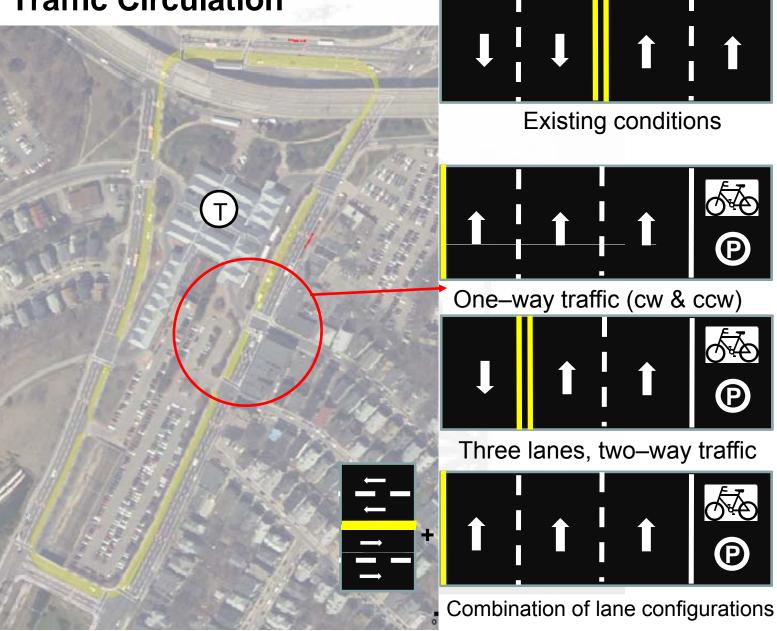
- Intersection Geometry
- Bicycle Improvements Paths & Lanes
- Casey Overpass
- Pedestrian Accessibility
- Streetscape

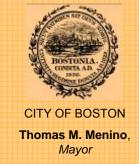


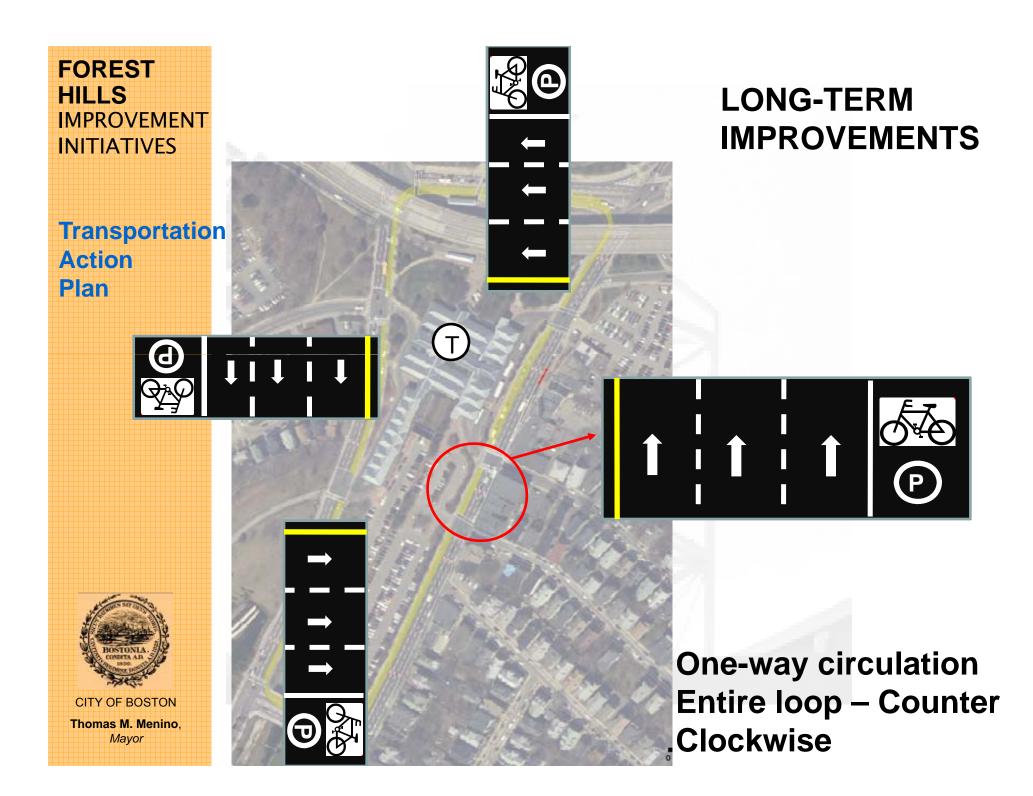
LONG-TERM IMPROVEMENTS:

Traffic Circulation



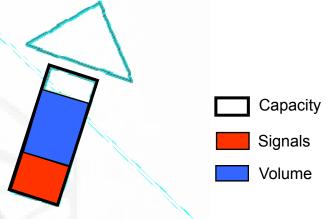




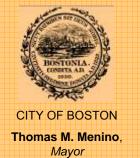


Transportation Action Plan

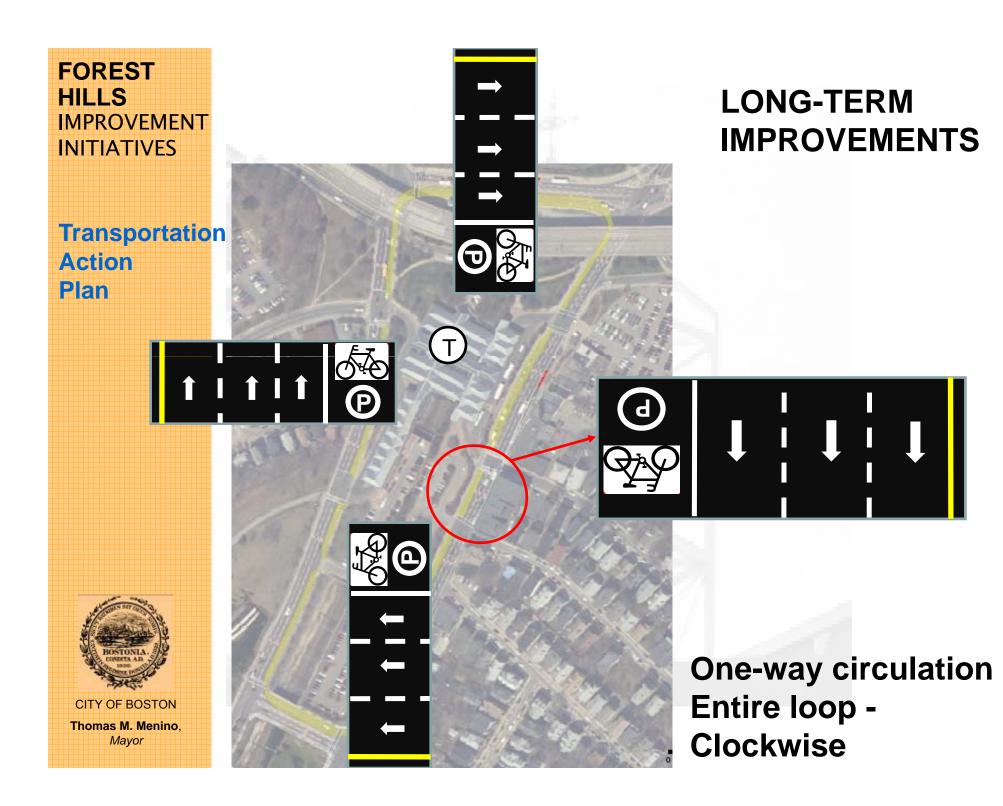


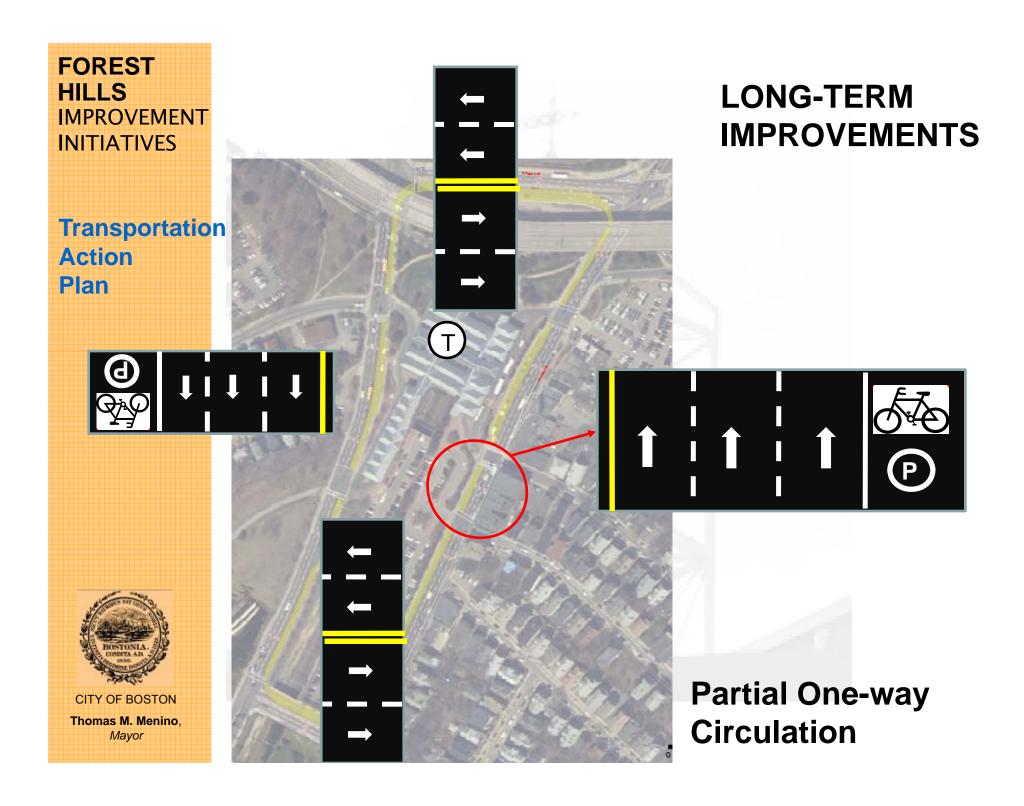


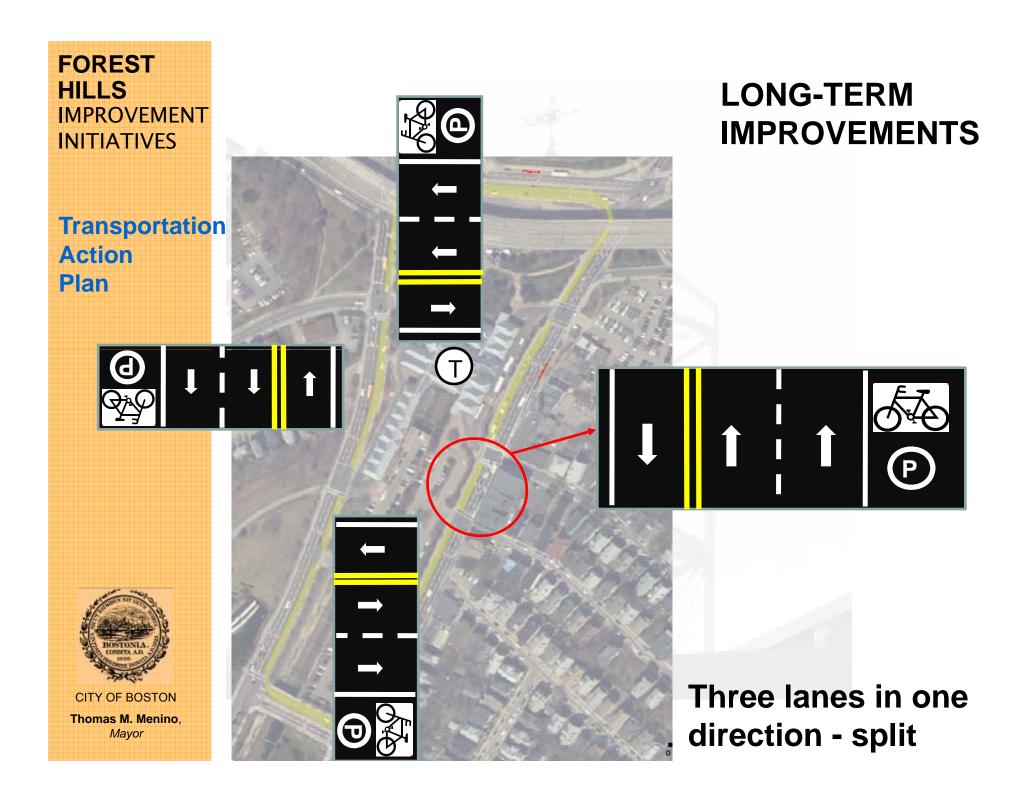
Three lanes in one direction



ONE-WAY LOOP – Impact on efficiency







Transportation

Action

Plan

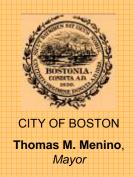
LONG-TERM IMPROVEMENTS: Traffic Circulation Summary

Lane Reduction Strategy:

- Lane available for additional usage
- Bike, Pedestrian, and Parking Improvements

Concerns for Future Study:

- MBTA Bus Operation
- Travel Times
- Convenience
- Capacity



LONG-TERM IMPROVEMENTS: Traffic Circulation - Roadway Widths



Existing

Transportation Action Plan

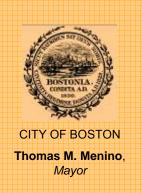
WASHINGTON STREET

Three Lane Options: Parking, Bikes on-street, bikes off-street



Parking and Bike Lane

Complete Streets







Wide Sidewalk and Bike Lane

Off-Street Bike Path

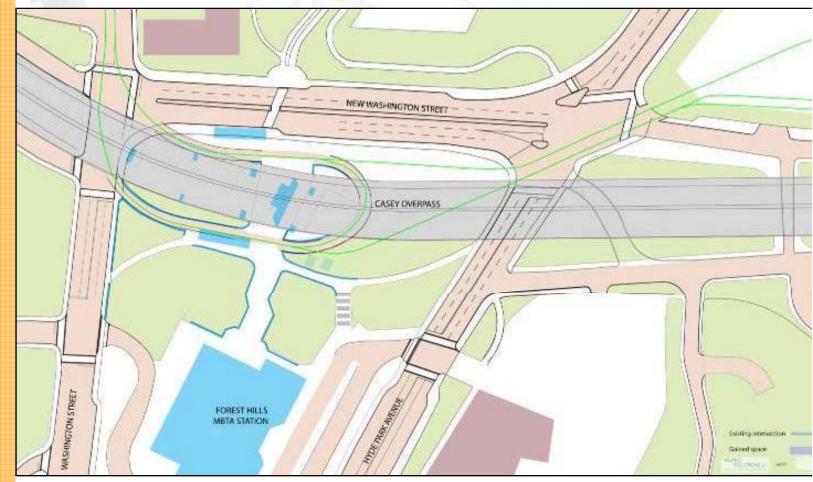
LONG-TERM IMPROVEMENTS: Intersection Geometry

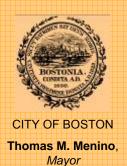
WASHINGTON AT NEW WASHINGTON

Existing Conditions

Transportation Action

Plan



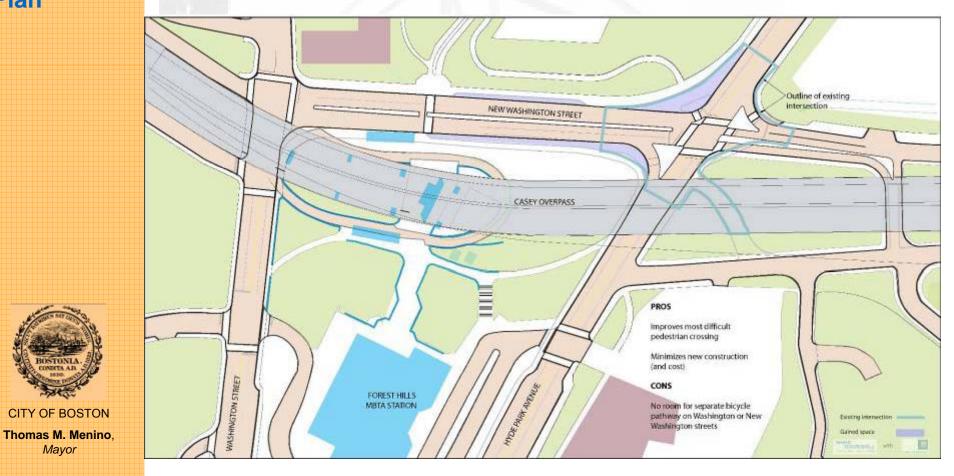


LONG-TERM IMPROVEMENTS: Intersection Geometry

Transportation Action Plan

WASHINGTON AT NEW WASHINGTON

Two-way traffic – current alignment, reduced intersection



LONG-TERM IMPROVEMENTS: Intersection Geometry

WASHINGTON AT NEW WASHINGTON

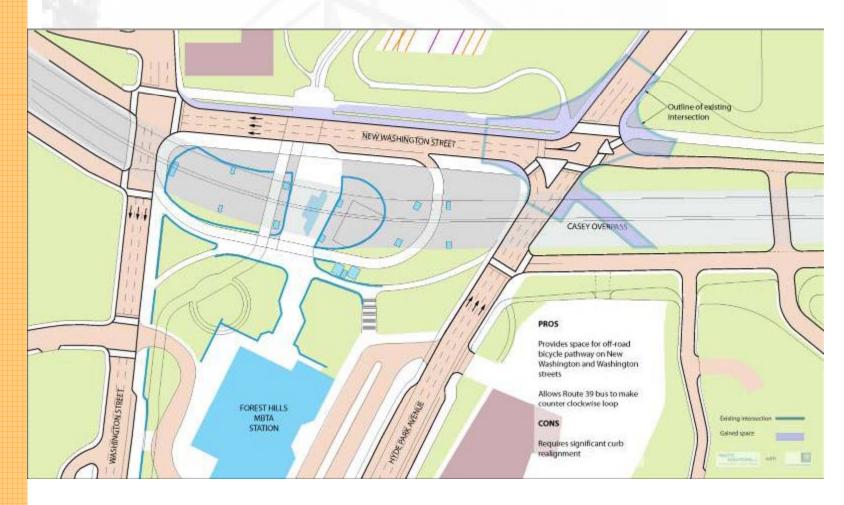
One-way traffic – revised alignment

Transportation Action

CITY OF BOSTON

Thomas M. Menino, Mayor

Plan



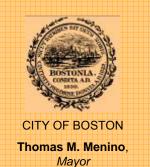
LONG-TERM IMPROVEMENTS: Bike Path

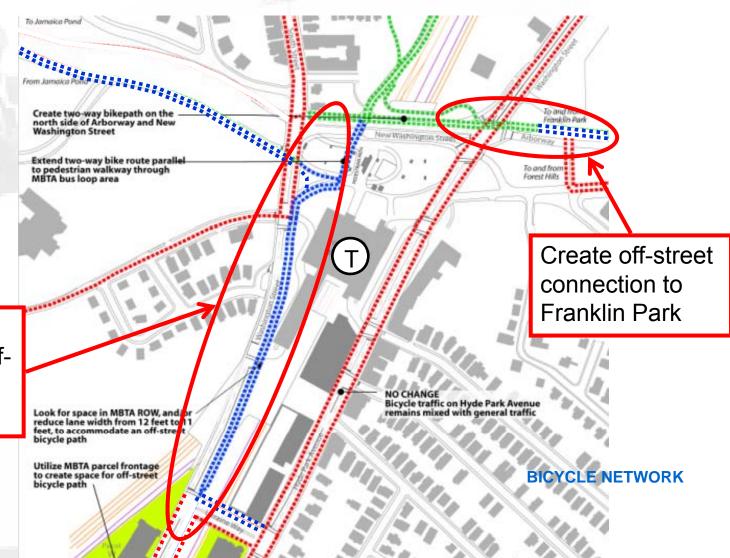
Transportation Action

Plan

Add links to strengthen the city-wide bicycle network

Explore options for offstreet bicycle link





LONG-TERM IMPROVEMENTS:Casey Overpass

View toward station

Brighten underside of viaduct at plaza area with architectural treatment and/or lighting

Explore options for treatment of supports, including art



Transportation Action

Plan

Replace brick surface with high-quality concrete at path of highest volume

Create separate path for bicyclists

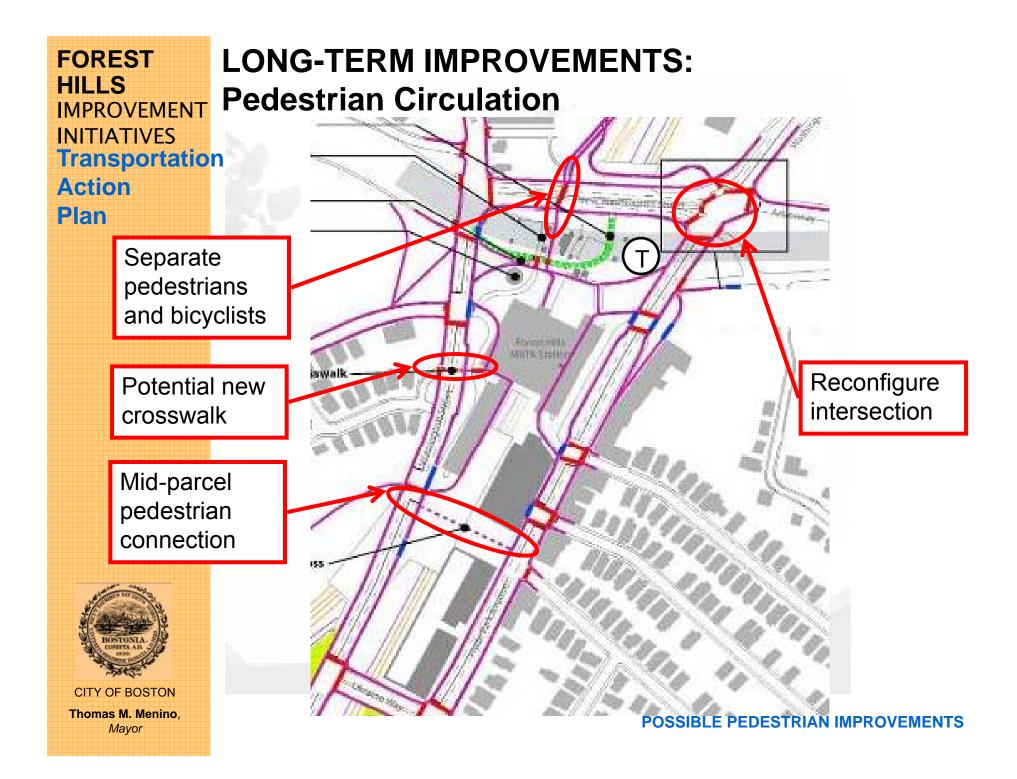


CITY OF BOSTON

Thomas M. Menino, Mayor

LONG-TERM IMPROVEMENTS: Station Entrance





CITY OF BOSTON

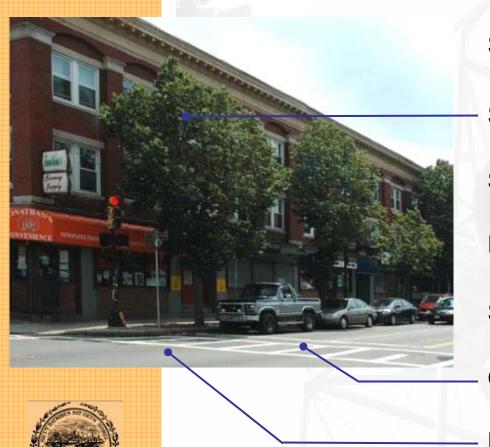
Thomas M. Menino,

Mayor

LONG-TERM IMPROVEMENTS: Streetscape Palate Elements

Primary

Secondary



Street lights

Street trees

Signs

Furniture.

Sidewalk paving

Crosswalks

Roadway paving

Art

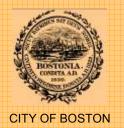
LONG-TERM IMPROVEMENTS:

Lighting





Transportation Action **Plan**



Mayor

Thomas M. Menino,

Convert light-colored shoebox fixtures to dark, which are the dominant type of fixture

Maintain pendant fixtures along Hyde Park Avenue

LONG-TERM IMPROVEMENTS: Street Furniture



- Select to accompany primary elements (private improvements of the public way)
- Artist may design as alternative









Thomas M. Menino,
Mayor

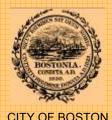
SHORT-TERM IMPROVEMENTS: Street Trees

It's called Forest Hills for a reason





Transportation Action **Plan**



CITY OF BOSTON

Thomas M. Menino, Mayor

Mature street trees reflect the abundant vegetation of the area Replace missing street trees

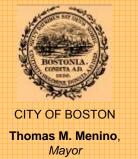
SHORT/LONG-TERM IMPROVEMENTS: Sidewalks







Transportation Action Plan



Replace broken pavement and unit pavers with high-quality concrete sidewalks (SHORT).

Include feature strip where width permits (LONG).

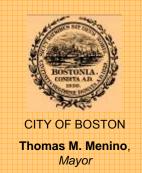
Provide curb bump-outs at pedestrian crossings (LONG).



SUMMARY – Short-Term Recommendations

Items in the Transportation Action Plan are relatively straightforward and easily implemented:

- Signal Timing and Coordination
 - Traffic will flow smoothly and safely
 - Pedestrians will understand the traffic pattern and cross accordingly
- Pavement Markings & Signage
 - Improve safety and promote sense of place
- Regional Improvements
 - Station access will improve for all users
 - Prevent vehicles from blocking roadways



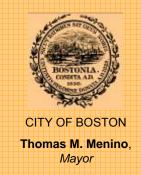
SUMMARY – Long-Term Recommendations

Traffic Circulation / Lane conversion improvements are more complex to design and implement – yet create an opportunity for placemaking, integrating:

- Pedestrians & Sidewalks
- Cyclists Paths and Lanes
- On-street Parking
- Green Space

Need to be further analyzed to ensure that impacts are minimized:

- MBTA
- Travel Times
- Convenience



Next Steps – Strategy & Sequence

Funding Strategy – Planning / Engineering

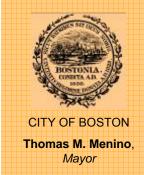
 Finalize Long Term Recommendations to 25% Construction Documents - combined development project contributions and BRA / BTD / State funds

Funding Strategy - Implementation

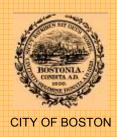
- Short Term Recommendations BTD / City of Boston
- Long Term Recommendations combined development project improvements and City of Boston / State projects

Sequencing

- Planning and Engineering work to follow sale of MBTA parcels development project planning
- Implementation of improvements to coincide with development project construction







Thomas M. Menino, Mayor

Next Steps – Sequence & Strategy

Milestone	Implementation Action
FHII Plan Issued June 2008	 Short Term Improvements (TAP) Implemented Set Scope for next phase District Wide Transportation & Streetscape Improvements Engineering Plan
ITB / Developer Designation	 Funding of next phase District Wide Transportation & Streetscape Engineering Plan
Preliminary Project Planning	 Begin next phase District Wide Transportation & Streetscape Planning Finalize Long Term Improvements Recommendations 25% Construction Documents for Finalized Improvements
Project Permitting & BTD TAPA	 Set District Wide and Project Specific Transportation & Streetscape Implementation Strategy
With Development Project Construction	 District wide and project associated Transportation & Streetscape Improvements are implemented with Construction of Development Projects.

