

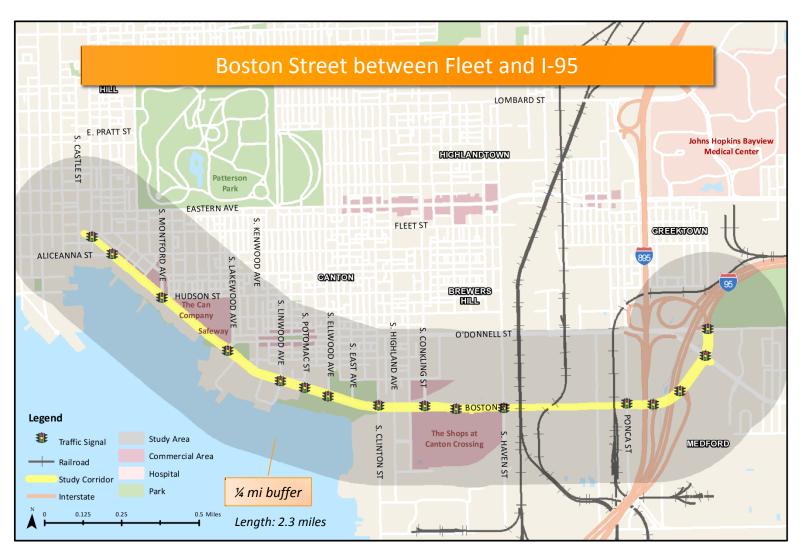


Agenda

- Study Area, Purpose & Objectives
- Existing Conditions
 - Roadway Design
 - Bicycle & Pedestrian Facilities
 - Traffic Operations & Safety
 - Curbside Parking Management & Operations
 - Transit Service Operations
 - Travel Market Evaluation
 - Freight Operations
- Study Schedule
- Next Steps

Study Corridor





Project Purpose



This project will identify multi-modal transportation options, alignment, traffic and safety issues on Boston Street from I-95 to Fleet Street in order to close the transportation gap resulting from the proposed MTA rail transit project not moving forward.

- Provide alternative recommendations & design for
 - improved safety
 - pedestrian and bicycle accommodation
 - residential and commuter travel
 - improved truck access

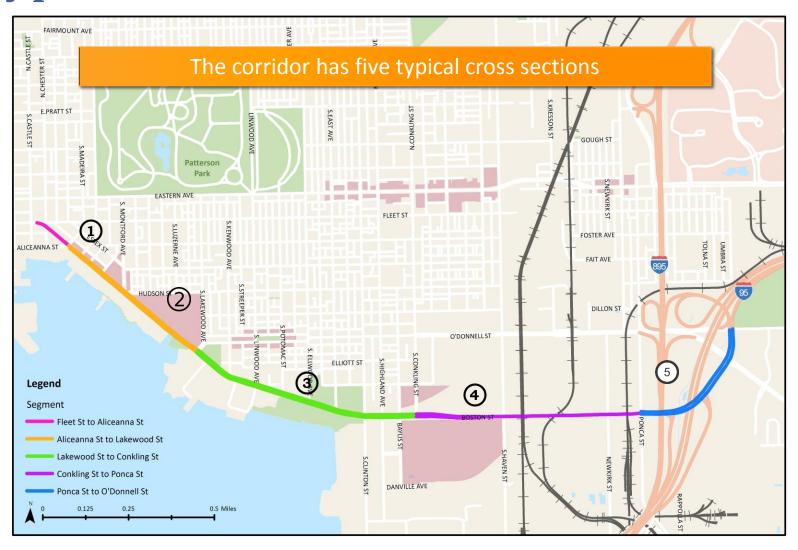
Objectives

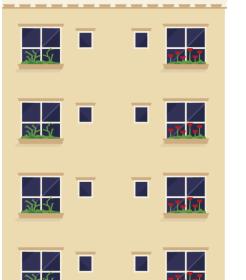


- Review current planning and engineering documents for Boston Street (last 10 years) including parking lot planning documents created during the Red Line planning process
- Collect and analyze current traffic (vehicle, pedestrian, and bicycle)
 volume on Boston Street and collect the number of single-occupant
 vehicles during periods of peak volume.
- Analyze current pedestrian, bicycle, commuter shuttle, and transit access including parking opportunities to transfer to multi-modal transit.
- Analyze current truck routes.
- Collect and analyze crash data along Boston Street within the study limits.
- 6. Make recommendations for multi-modal transportation improvements, pedestrian/bicycle accommodation, opportunities for commuter shuttles, parking lots, and other traffic and pedestrian safety measures for the corridor.

Typical Cross Sections - Boston

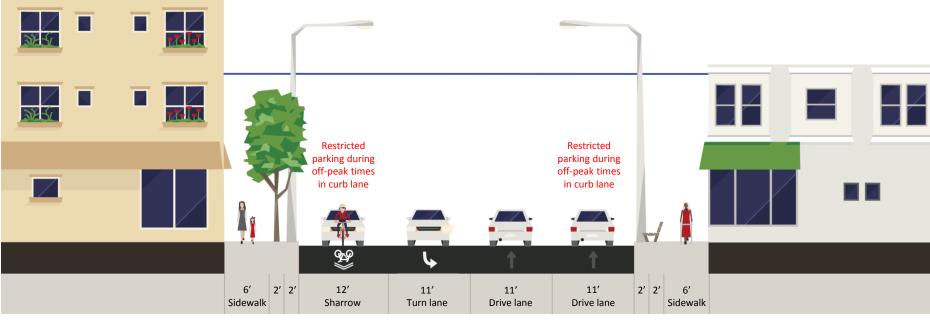






Fleet St to Aliceanna St





Curb-to-Curb 45'

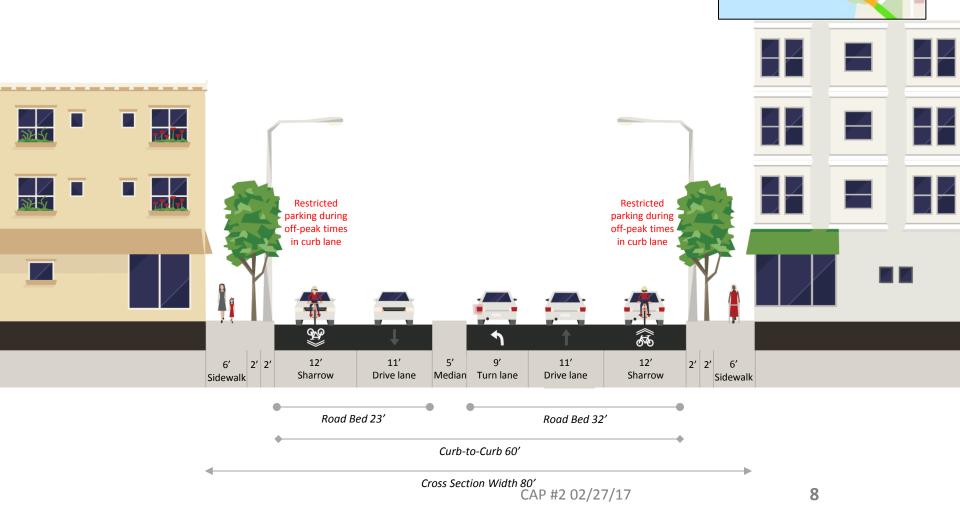
Road Bed 23'

Road Bed 22'

HUDSON ST

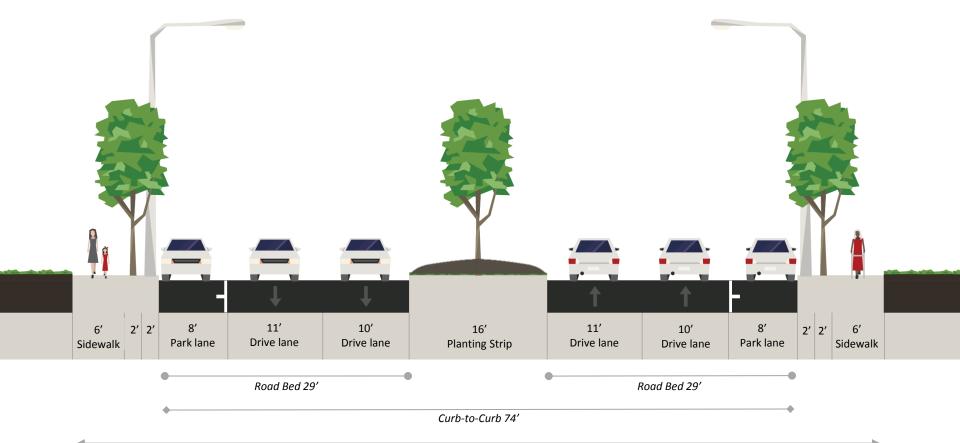
Boston Street Typical Cross-Sections

Aliceanna St to Lakewood Ave



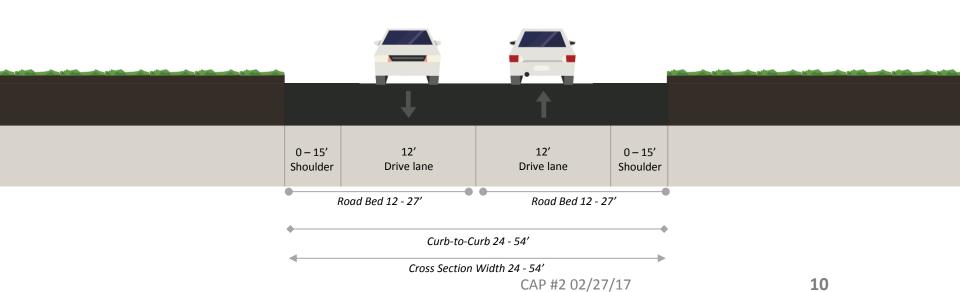
Lakewood Ave to Conkling St



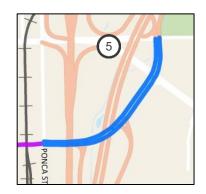


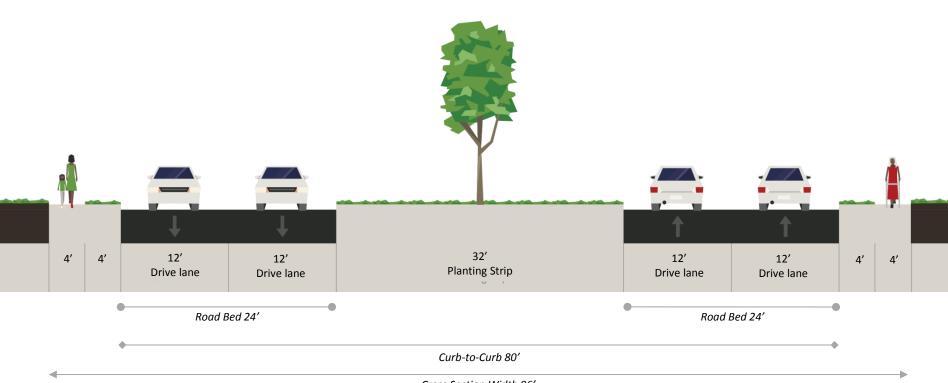
Conkling St to Ponca St





Ponca St to O'Donnell St





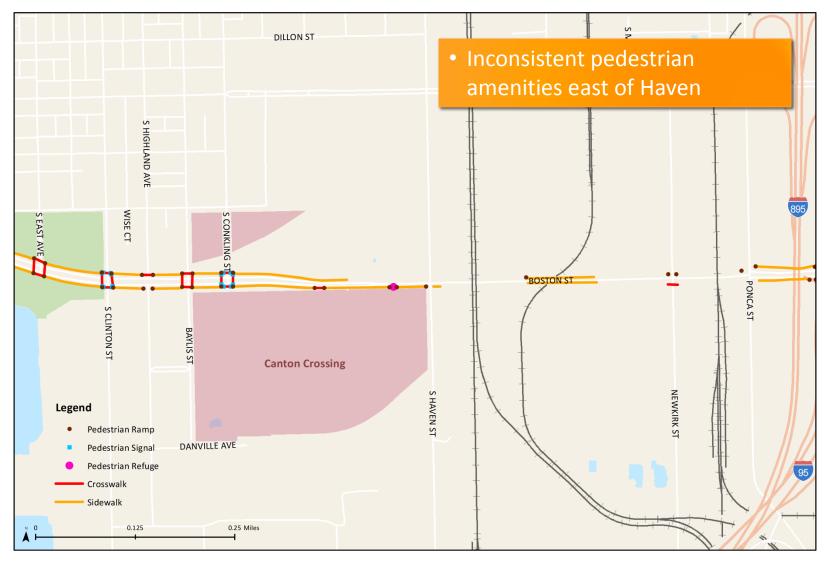
Pedestrian Amenities





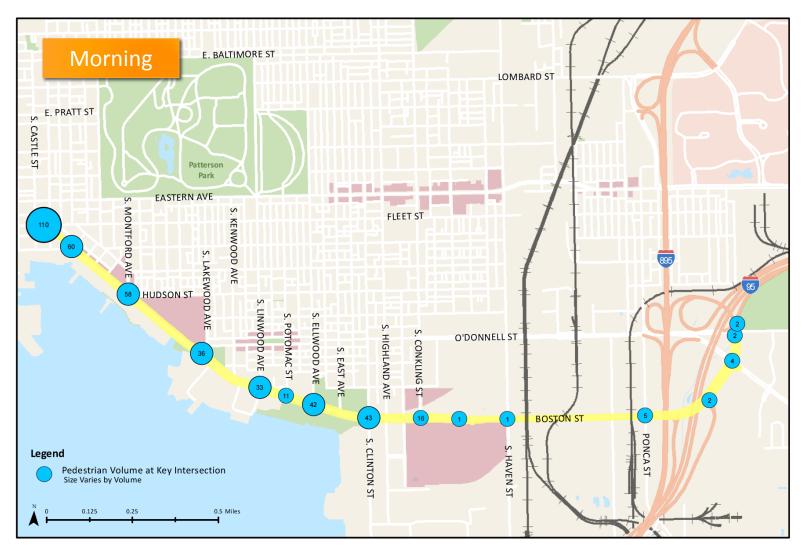
Pedestrian Amenities





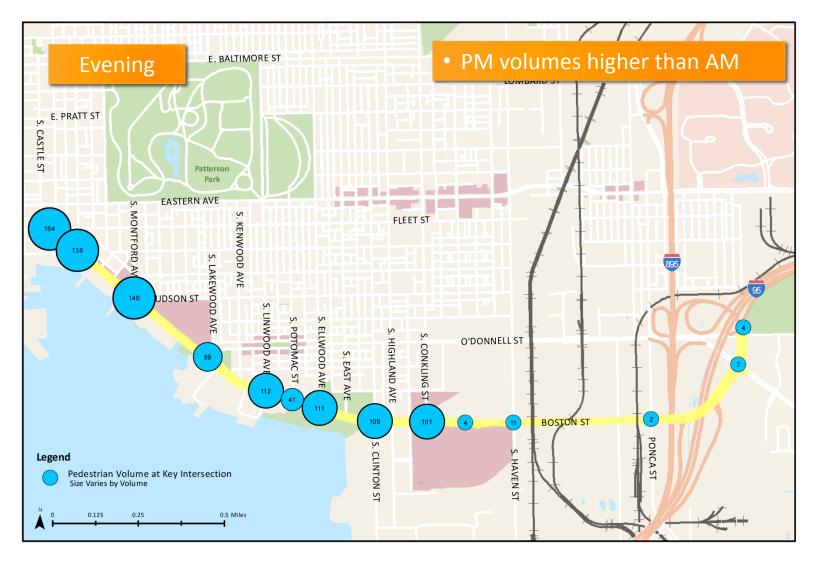
Pedestrian Intersection Volumes





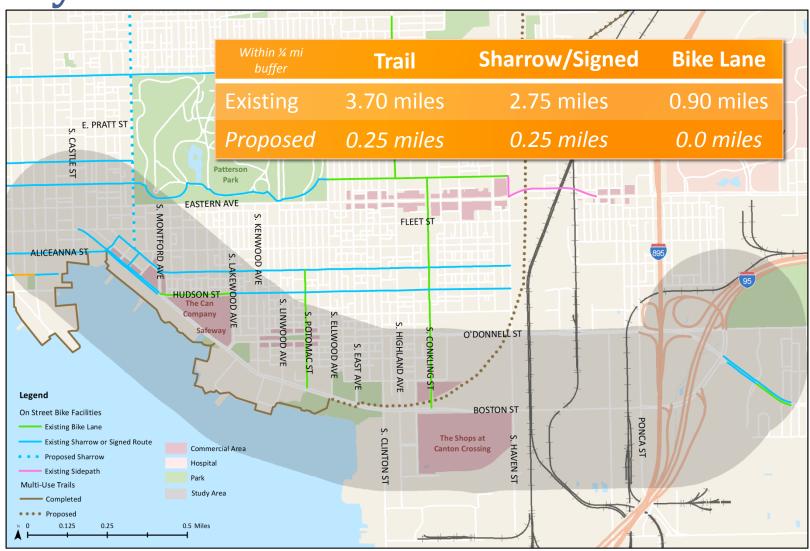
Pedestrian Intersection Volumes





Bicycle Network





Bicycle Network





Aliceanna Street Sharrow





Bike Lane on Roland Avenue



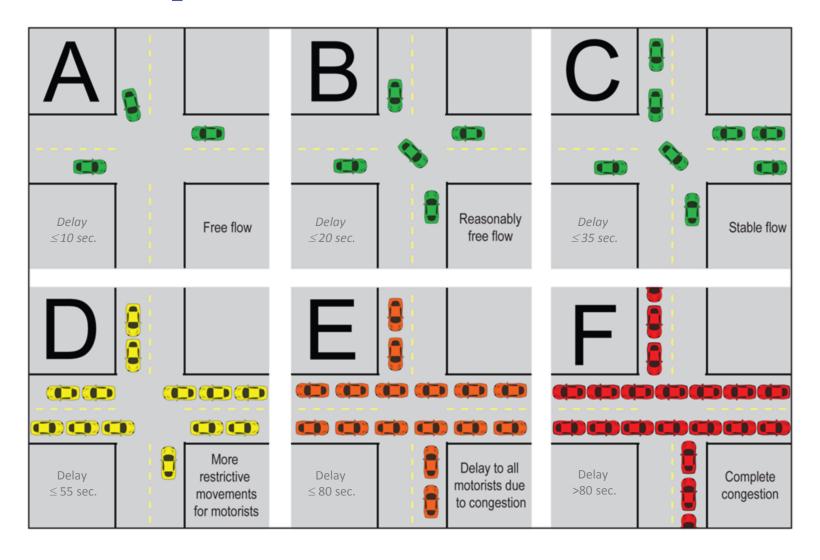
Contraflow Bike Lanes on Lancaster Street (top)



Jones Falls Bike Trail along Falls Road

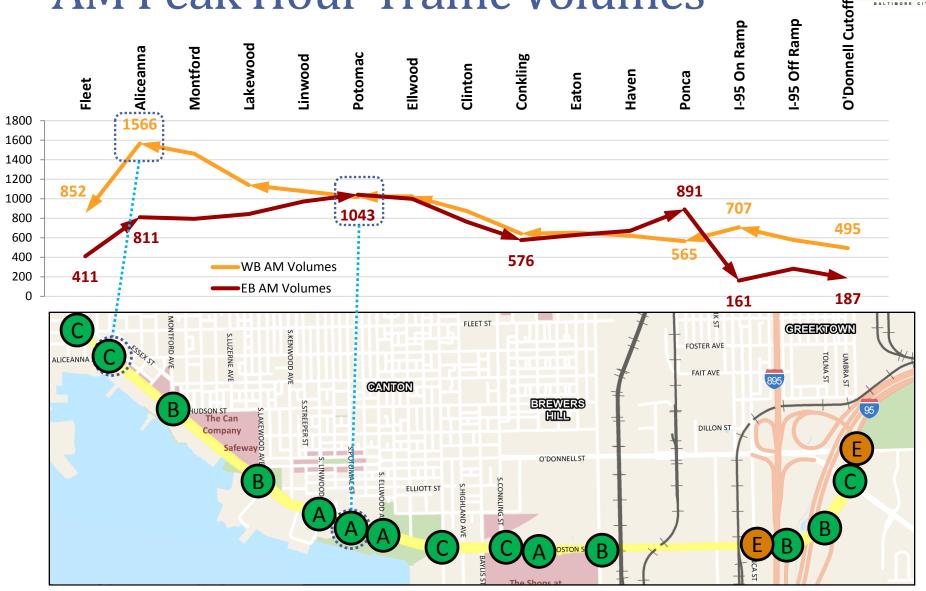
Traffic Operations – Level of Service





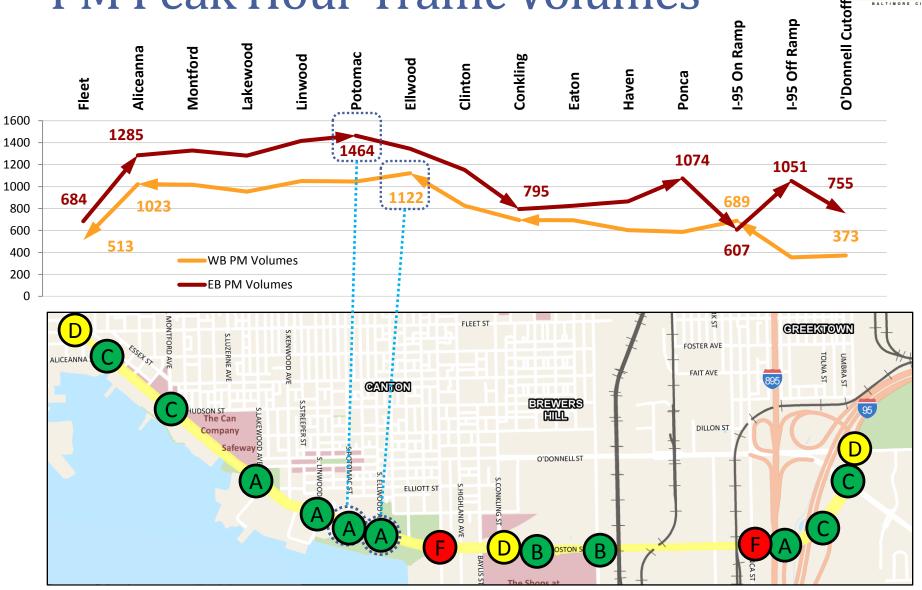
AM Peak Hour Traffic Volumes





PM Peak Hour Traffic Volumes





Field Observations

DEPARTMENT OF TRANSPORTATION BALTIMORE CITY

Morning

- Heavy westbound flow
- Eastbound left-turn difficulty at unprotected locations
- Poor operations at Boston & Fleet, and Boston & Aliceanna creates multi-block queuing and cycle failures
- Shown: Westbound Fleet extending from Boston to past Washington
- Bus system was not observed to cause significant traffic back-ups
- Pedestrian traffic is light
- Extended wait times at signalized crossings
- Many mid-block ped crosses



Boston - Westbound



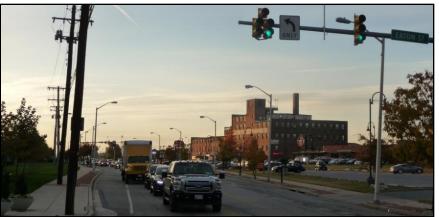
Fleet - Westbound

Field Observations



Evening

- Heavy eastbound flow
- Queuing
 - Lakewood extending five blocks upstream to Linwood,
 - Eight blocks from Haven upstream to Ellwood
- Westbound queues from Haven, to Ponca and beyond conflict with railroad crossing
- Heavy delays leaving from the Canton Crossing shopping center
- Higher numbers of peds and bikes observed
- Peds not crossing at the designated crosswalks/waiting for walk signal
- Friction and conflicts between bicyclists and traveling /parked vehicles in the eastbound direction







oston - Westbound



CAP #2 02/27/17

Traffic Safety



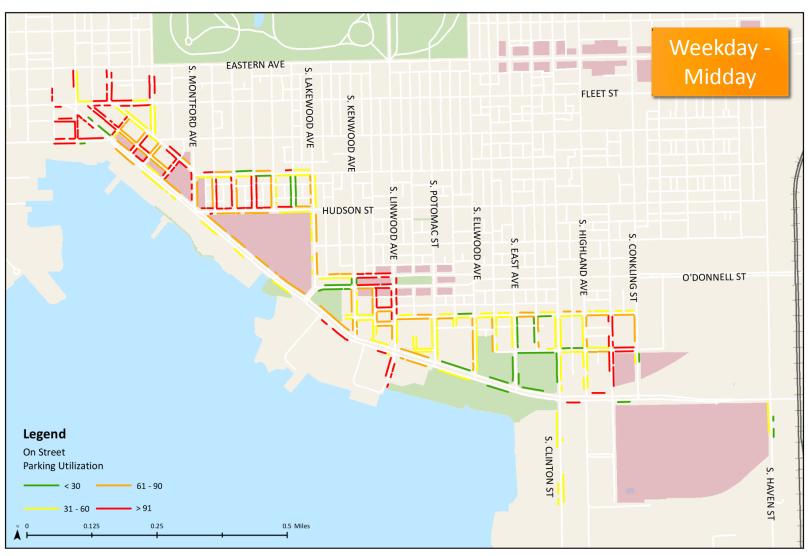


On- Street Parking Inventory

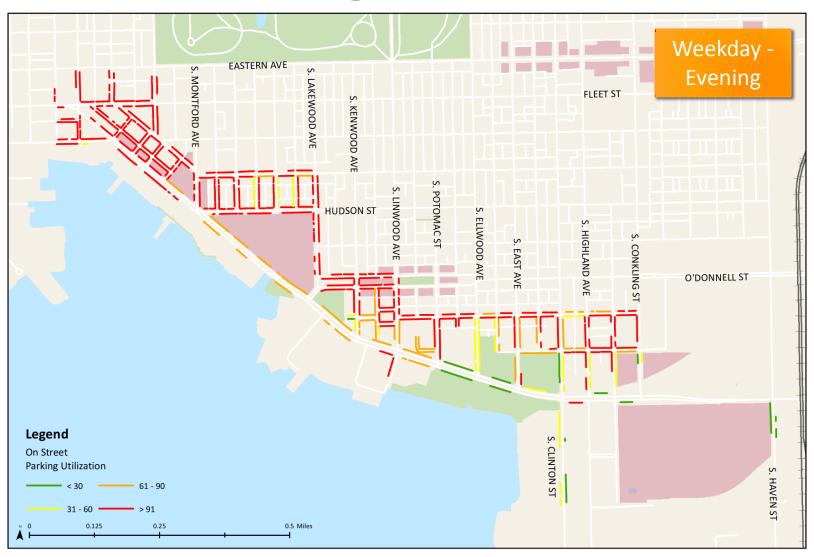




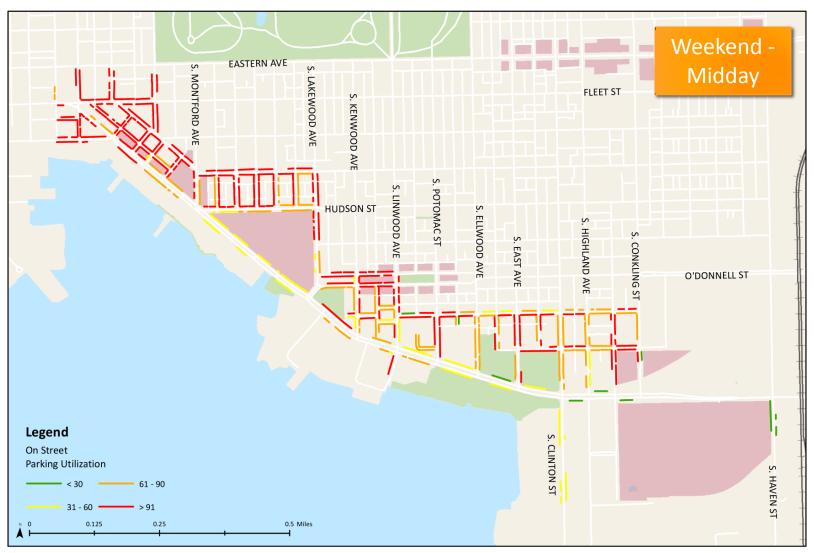




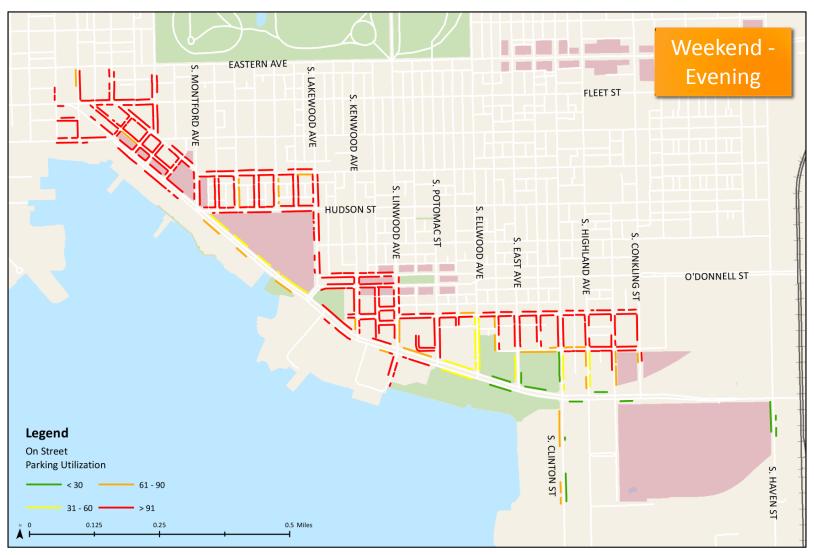






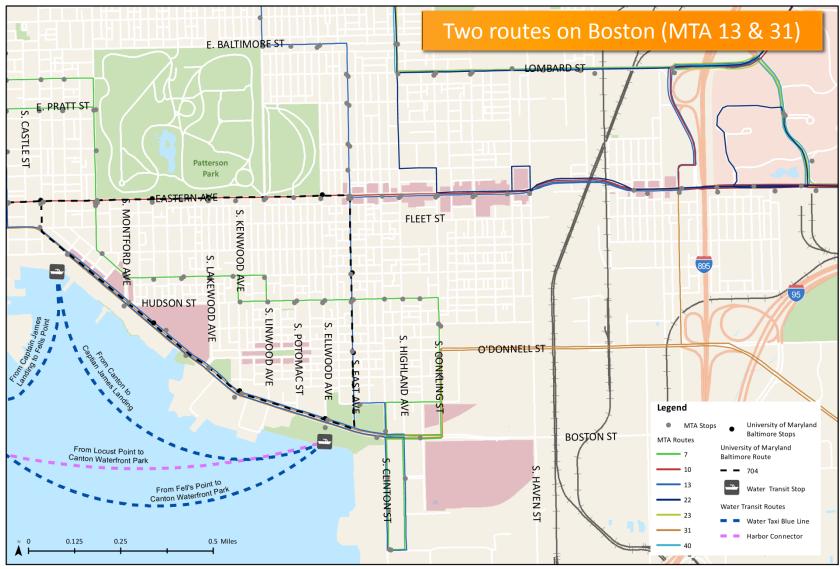






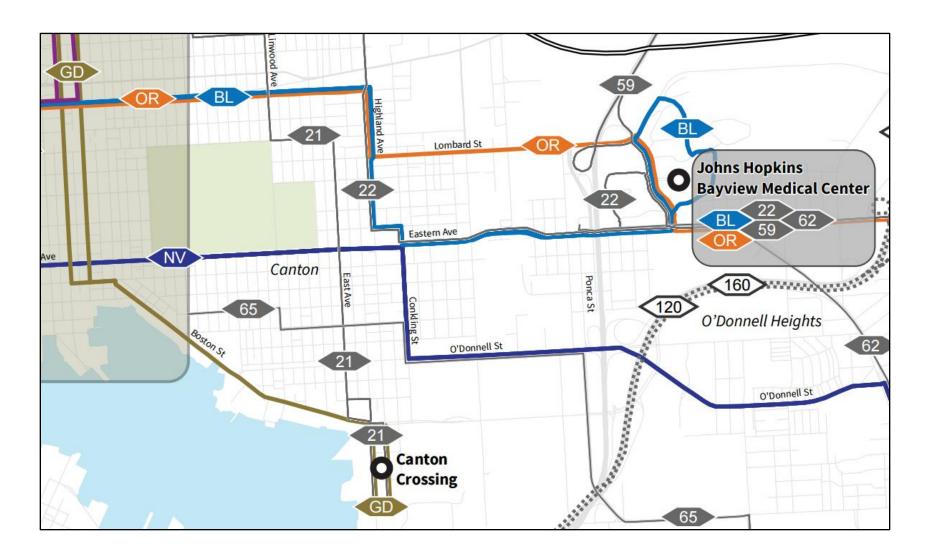
Existing Transit Network





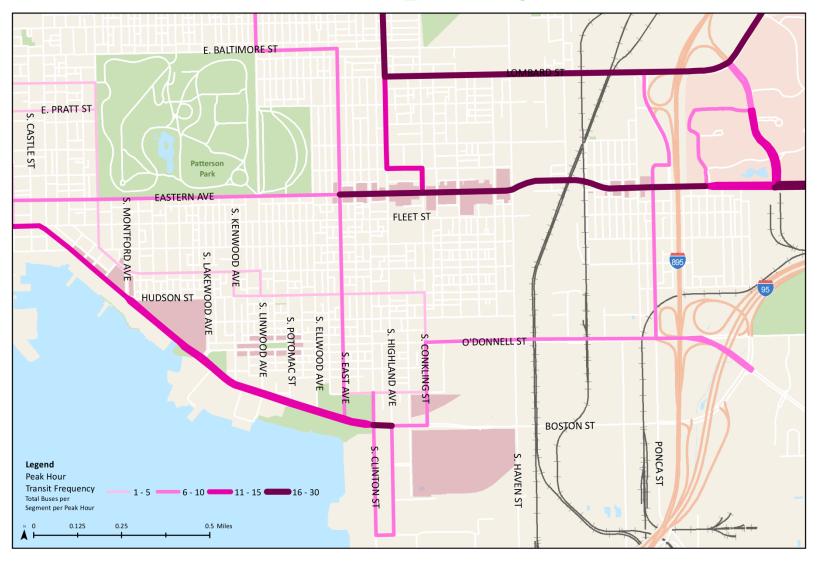
Planned Transit Network





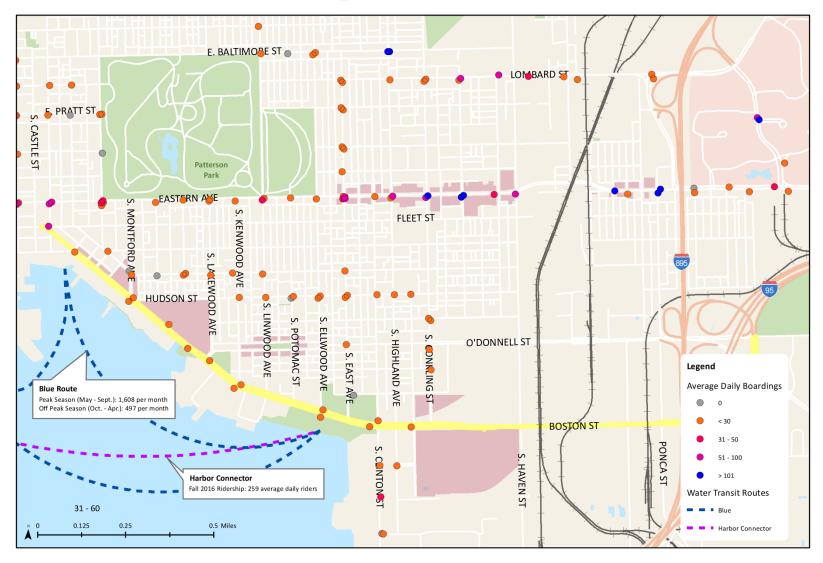
Transit Service Frequency





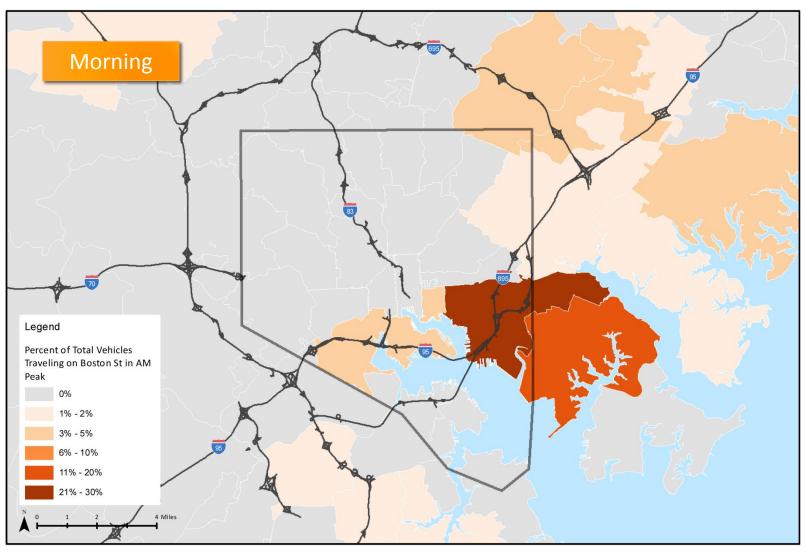
Transit Ridership





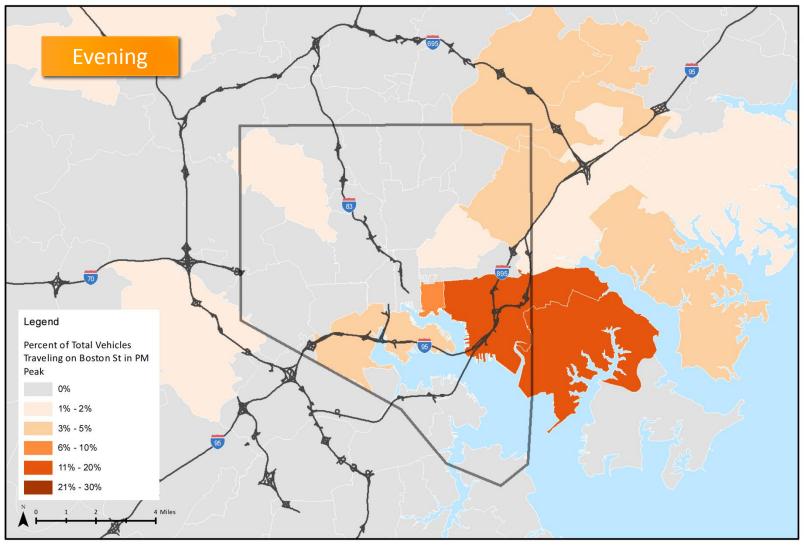
Commuter Shed





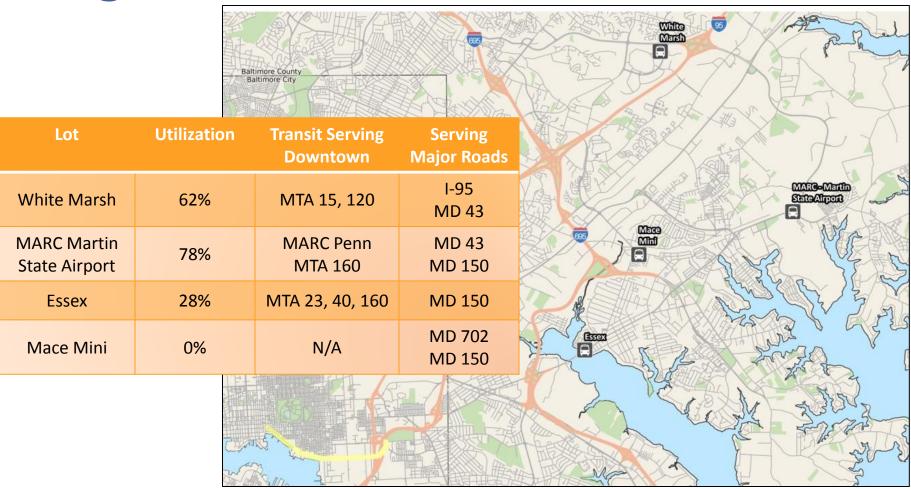
Commuter Shed





Regional Park and Rides

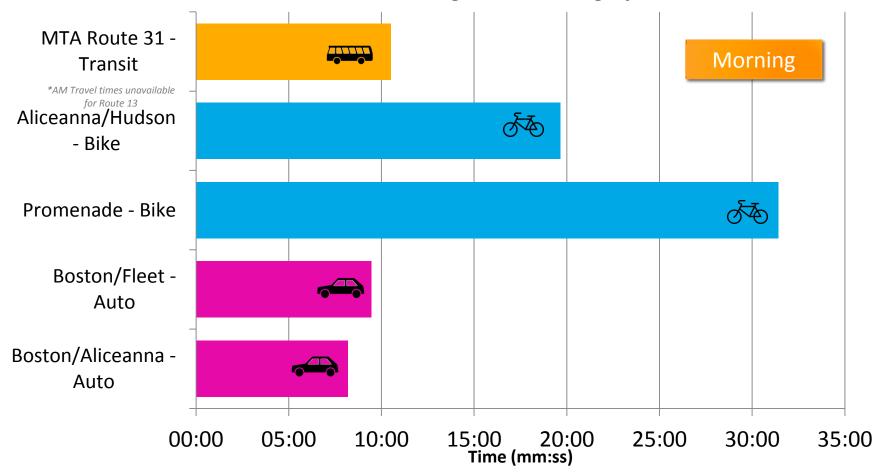




Travel Times Comparison - Boston



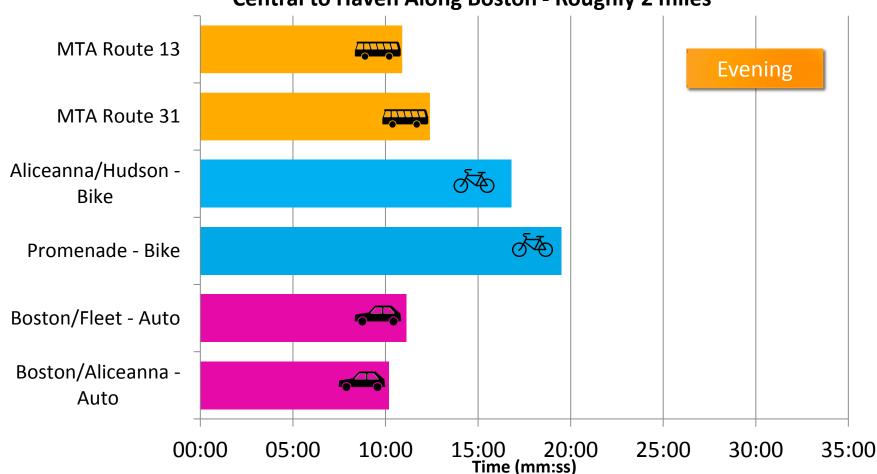
Inbound Travel Time AM Haven to Central Along Boston - Roughly 2 miles



Travel Times Comparison - Boston



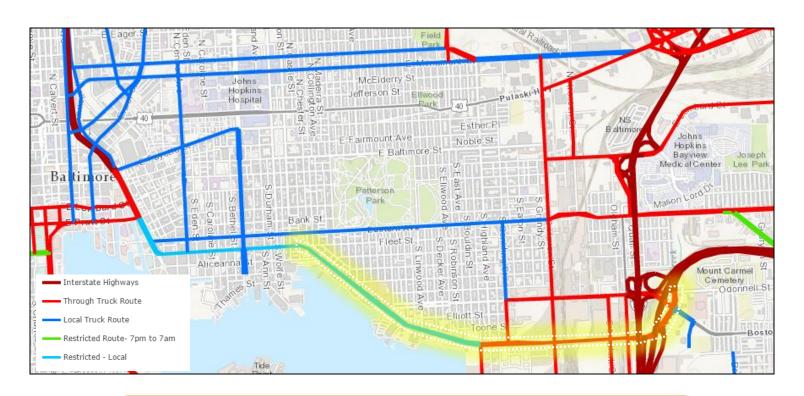
Outbound Travel Time PM Central to Haven Along Boston - Roughly 2 miles



^{*} Vehicle & Bike data collected in the fall of 2016 on typical Tuesday, Wednesday, or Thursday between 4:00 PM and 6:00 PM / Transit data received from MTA

Freight - Designated Truck Routes

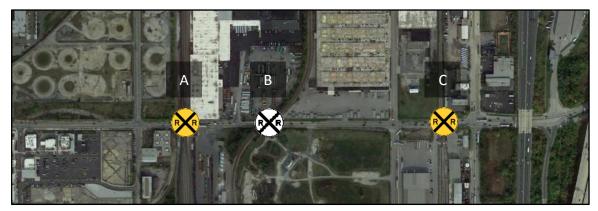




Boston Street is restricted to **local** truck trips. Eastern Avenue serves as the east-west truck route.

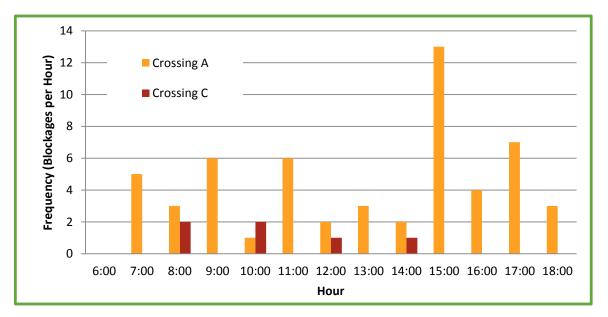
Freight – Rail Crossings





Two at grade crossings

- Between Haven & Newkirk
- Between Newkirk & Ponca
- 1,600 feet apart



Gates lowered 55 times over two days excluding nighttime hours

Most common duration of lowered gates	50 seconds
Average duration of lowered gates	2 minutes

Study Schedule



Boston Street Multi-Modal Corridor Study Schedule

	Anticipated Schedule									
Task	October	November	December	January	February	March	April	Мау	June	
I. Project Management	太				太			汝		
II. Review Corridor Planning History										
III. Existing Conditions Documentation										
IV. Multi-Modal Accessibiliy Analysis		<u> </u>								
IV. Public Involvement		双				双		众		
V. Multi-Modal Accesibility Recommendations and Report										

LEGEND

Advisory Panel Meeting



Public Meeting

Draft Deliverable

Final Deliverable

KEY DATES:

26-Oct First CAP Meeting: Project Purpose, Schedule, Scope of Work

17-Nov Community Meeting #1: Introduction to Study, Study Purpose & Schedule- Share Online Survey Link

27-Feb Second CAP Meeting: Existing Conditions, Opportunities & Constraints

16-Mar Community Meeting #2: Existing Conditions, Opportunities & Constraints, Get Feedback

Early May Third CAP Meeting: Present Analysis Findings & Next Steps

Late May Community Meeting #3: Present Analysis Findings & Next Steps

Next Steps



- Meetings
 - Next Community Meeting on March 16th from 7:00 to 8:30 PM:
 Church on the Square 1025 S. Potomac, Baltimore, MD 21224
 - Next CAP Meeting early May (Final date TBD)
 - Final Community Meeting in late May (Final Date TBD)
- Continued Analysis of Data
 - Provide options for multimodal transportation on Boston Street
- Continue the Multi-modal Travel Behavior Questionnaire: Open Through April 30,2017

Survey Monkey Link: www.surveymonkey.com/r/BostonCorridorStudy

Final Report - June

Thank You for your participation



Please contact Gladys Hurwitz, City Planner at the Department of Transportation

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