

Moving
Together

15



Commonwealth Avenue Phase 2A Improvement Project

James Gillooly
Deputy Commissioner,
Boston Transportation Department



massDOT
Massachusetts Department of Transportation

BETA

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DG Copley Wolff Design Group
Landscape Architects & Planners



November 4, 2015

OVERVIEW

- ▶ Introduction
- ▶ Final Design
- ▶ Requirements for Success



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PROJECT LIMITS



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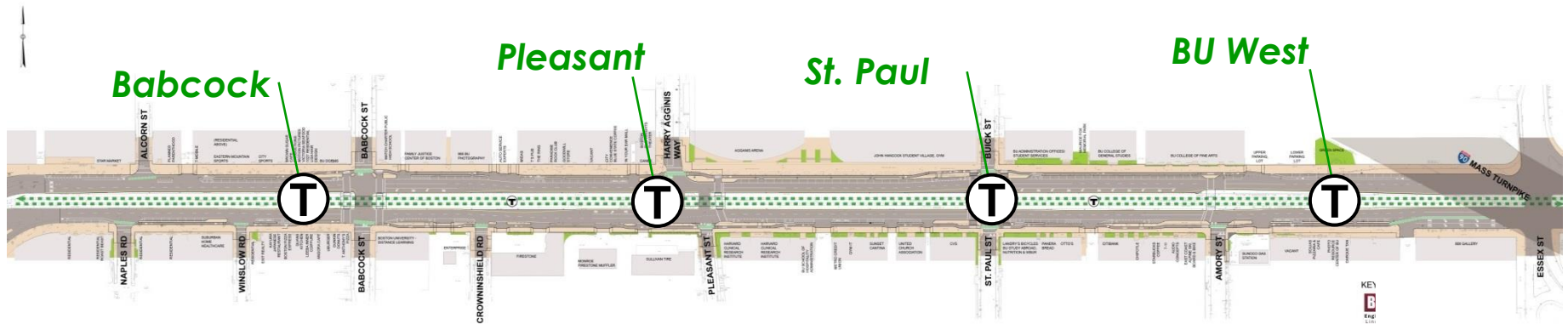
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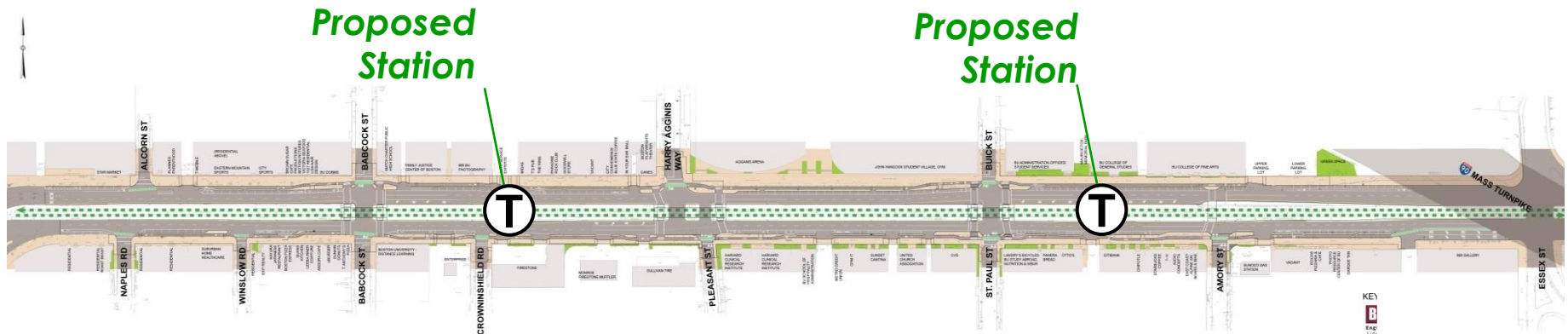
MBTA IMPROVEMENTS

Existing Stations



MBTA IMPROVEMENTS

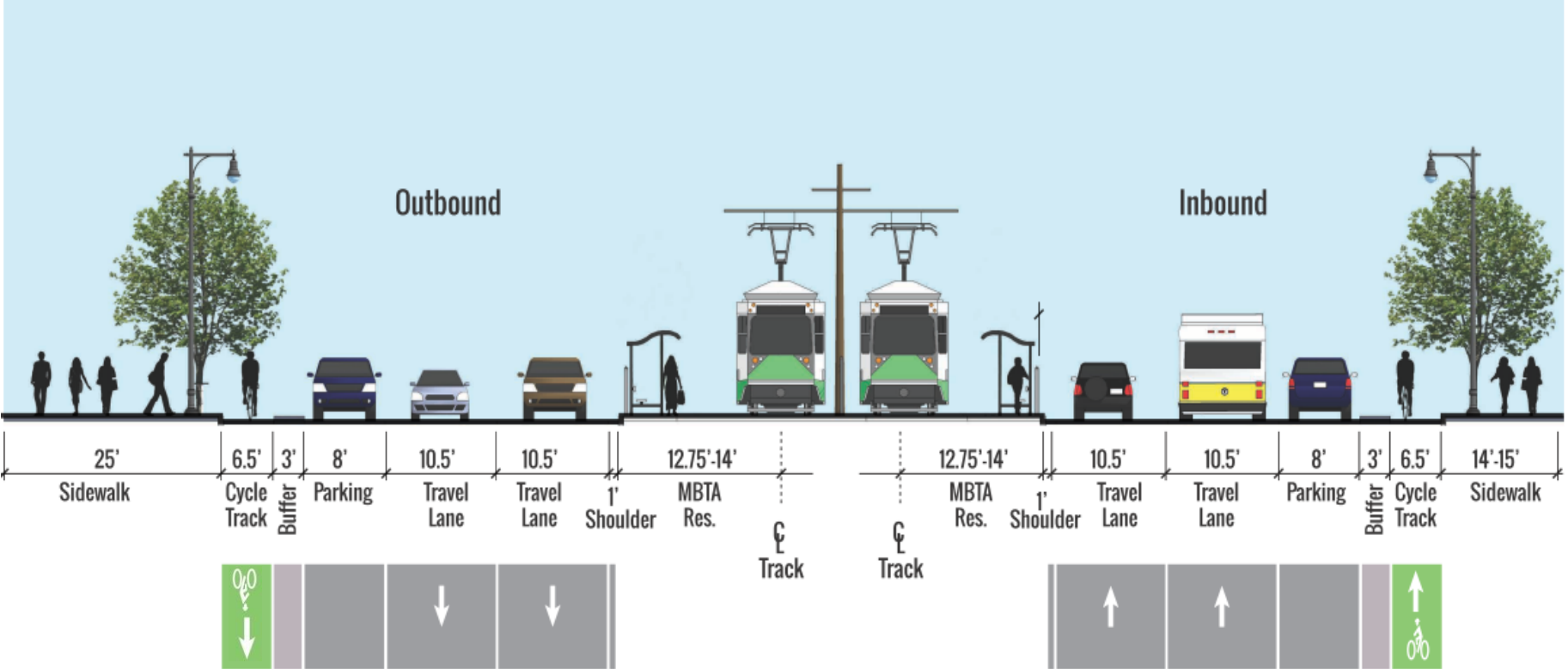
Proposed Stations



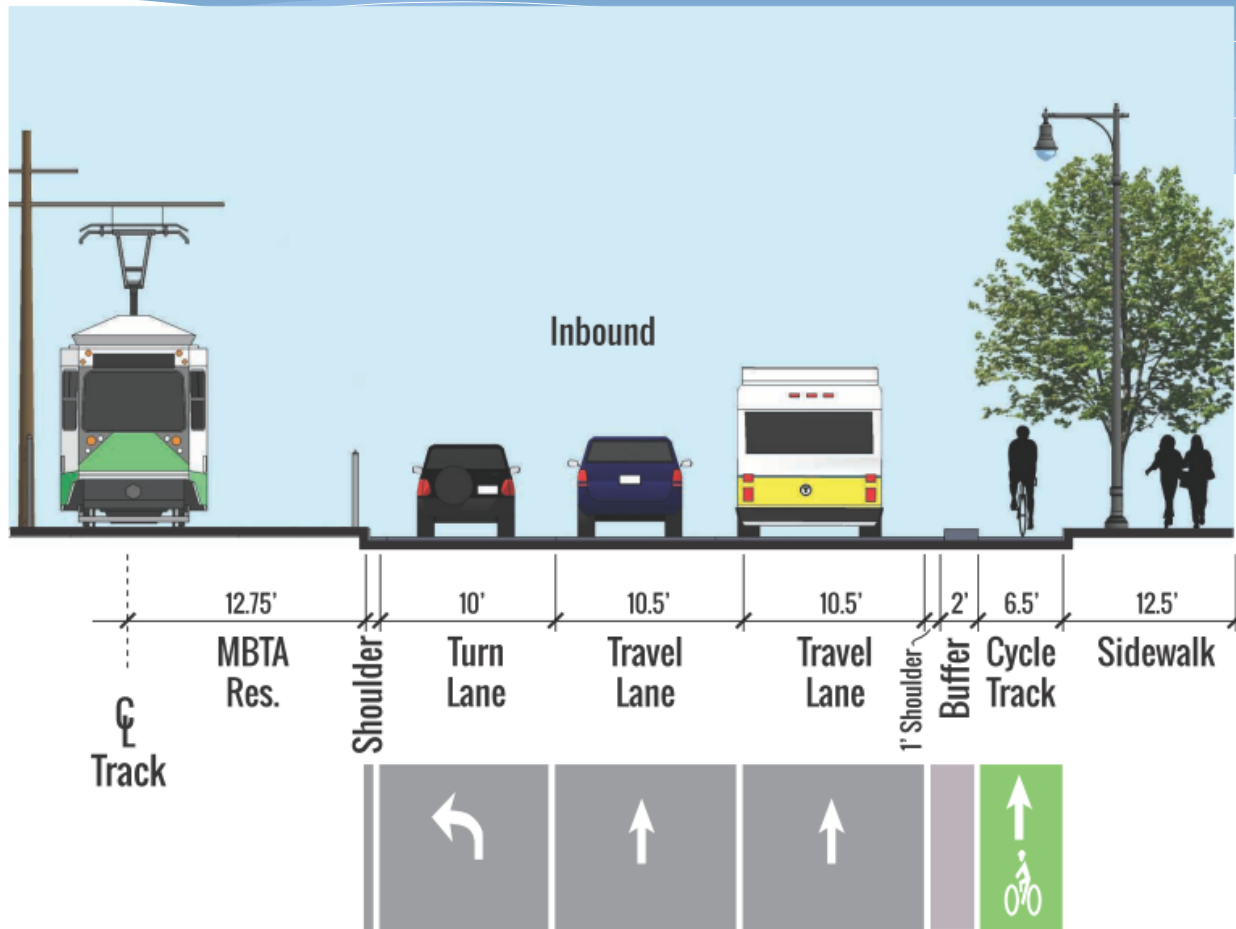
- ▶ Platform Consolidation & Upgrades
- ▶ Median Widening & Accessibility



TYPICAL SECTION (Looking East)



TYPICAL SECTION AT TURN-LANE (Inbound)



TYPICAL BLOCK

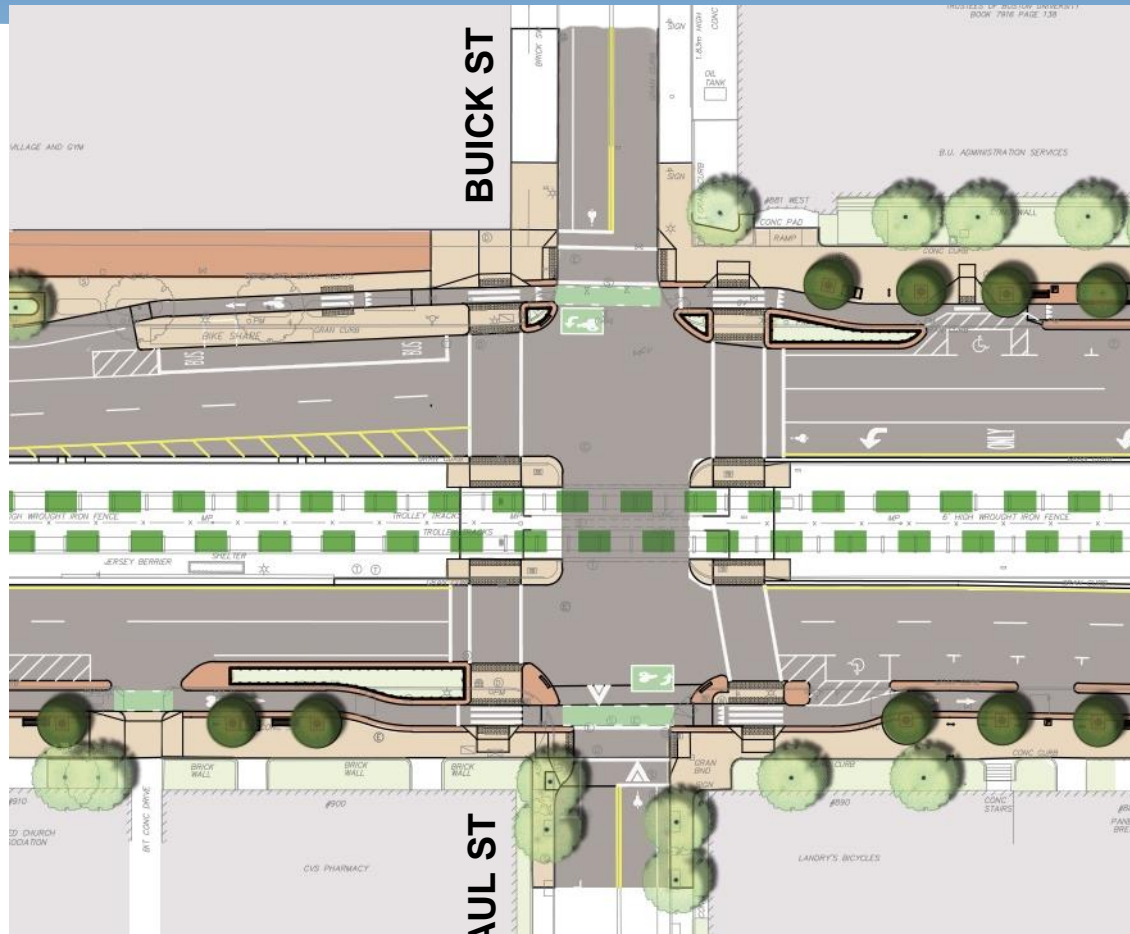


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PROTECTED INTERSECTION



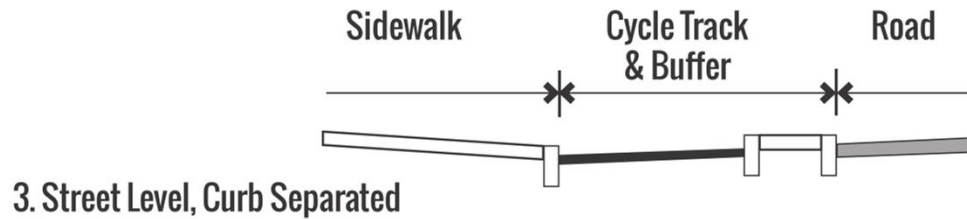
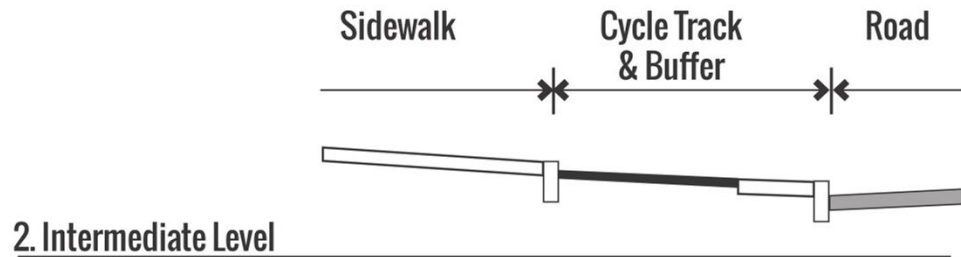
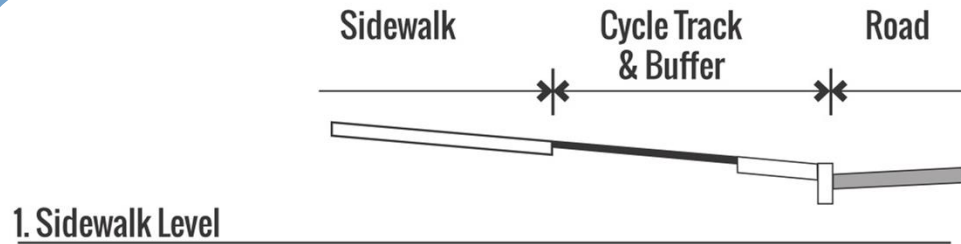
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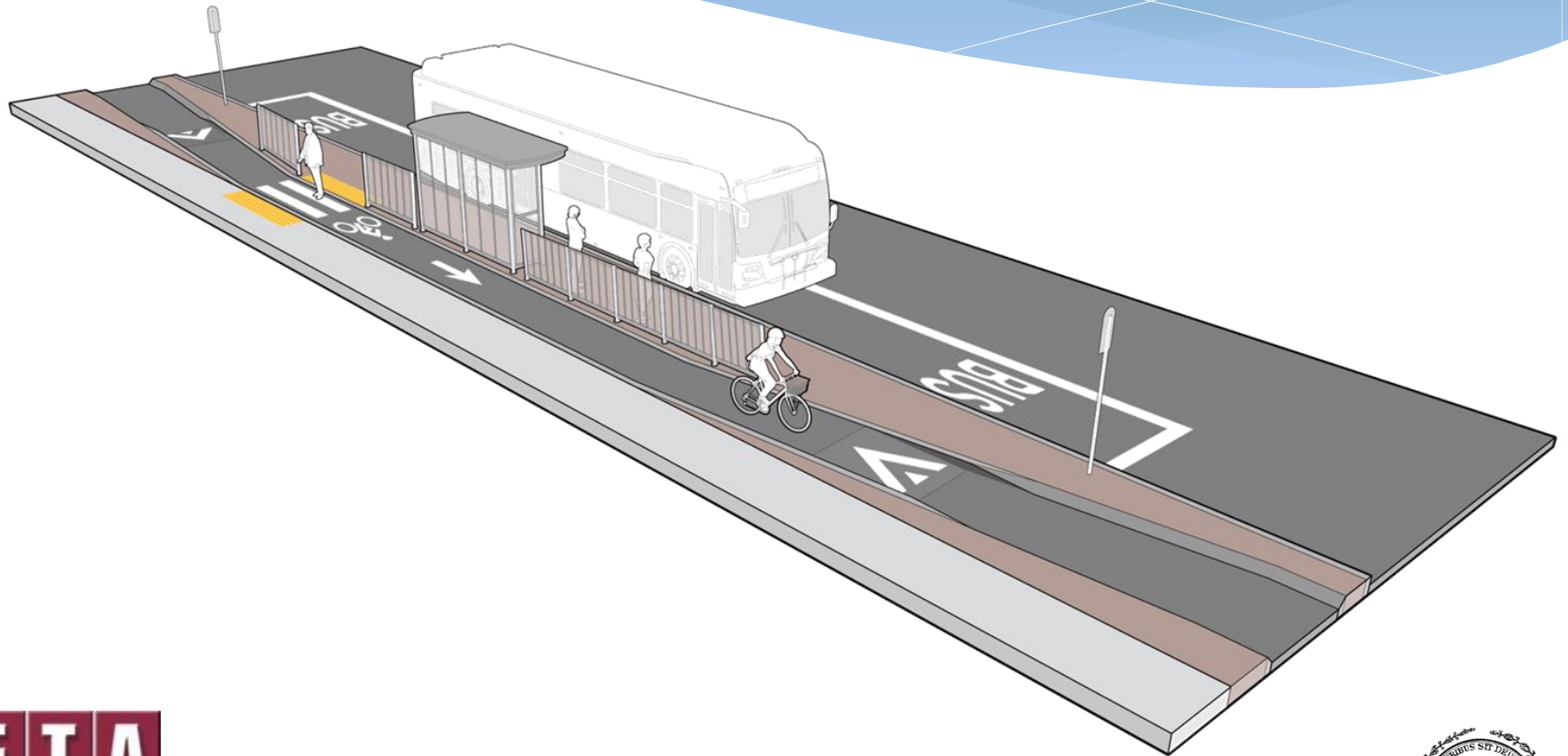
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BUFFER TREATMENT



TYPICAL BUS STOP CONFIGURATION



Source: MassDOT



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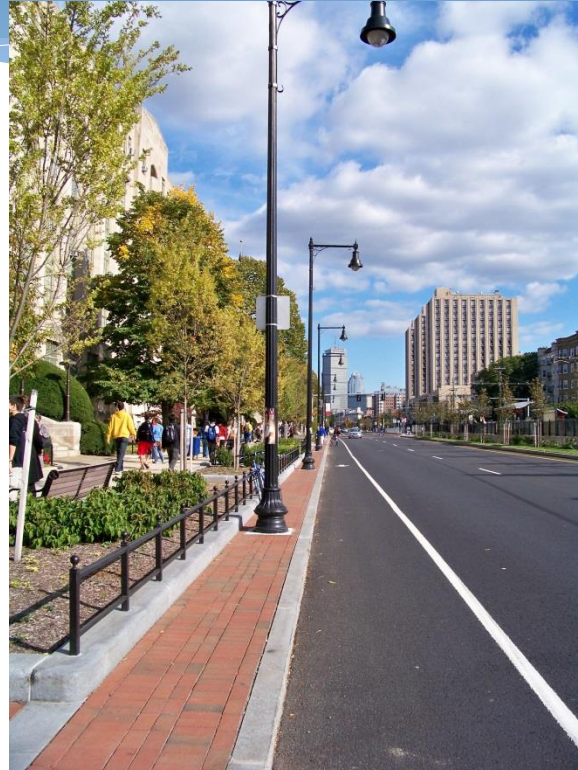
TRANSIT SIGNAL PRIORITY

Preferential Traffic Signal Service for Transit Vehicles (Bus and Trolley)

- ▶ **Independent Project Underway Now!**
 - ▶ **BTD and MBTA Working Group**
 - ▶ **Route 57 Bus: Roll-Out On-Going**
 - ▶ **Commonwealth Avenue @ Babcock Street**
 - ▶ **Green Line (B Branch): Coming Soon**



STREETSCAPE



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REQUIREMENTS FOR SUCCESS

- ▶ **Analyze Alternatives**
- ▶ **Collaborate with Stakeholders**
- ▶ **Balance the Typical Section**
- ▶ **Understand Utility Impacts**
- ▶ **Innovate**



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ALTERNATIVES ANALYSIS

BIKE LANE LOCATION

- ▶ **Alternatives Analysis**
 - ▶ **Buffered Bike Lane**
 - ▶ **Median Location**
 - ▶ **Raised Sidewalk**
 - ▶ **Roadway Level**
 - ▶ **Consideration of Safety**
 - ▶ **Type, Frequency and Location of Crashes**
 - ▶ **Type of Improvement Needed and Where**



COLLABORATE WITH STAKEHOLDERS

▶ **City of Boston**

- ▶ Mayor's Office
- ▶ Police Dept.
- ▶ Public Works
- ▶ BWSC
- ▶ BRA

▶ **MassDOT**

▶ **FHWA**

▶ **MBTA**

▶ **Governor's Office**

▶ **State Legislature**

▶ **Boston MPO**

▶ **Boston University**

▶ **Livable Streets**

▶ **Boston Cyclists Union**

▶ **Town of Brookline**

▶ **Utility Companies**



BALANCE THE TYPICAL SECTION

- ▶ **MBTA Reservation Width**
- ▶ **Lane Width, Parking**
- ▶ **Bike Lane Geometry**
- ▶ **Sidewalk Widths**
- ▶ **Streetscaping**
- ▶ **Utilities**



UNDERSTAND UTILITY IMPACTS

- ▶ **Extensive Existing Utility Infrastructure (sidewalks)**
- ▶ **Minimize Relocations**
- ▶ **Special Drainage Designs**



INNOVATE

- ▶ **New Intersection Design**
- ▶ **Reduced Lane Widths**
- ▶ **New Bus Stop Design**
- ▶ **Raised Buffer, Special Maintenance Requirements**
- ▶ **Transit Priority**
- ▶ **Right of Way Coordination**





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Thank You

