

# South Massachusetts Avenue Corridor Safety Improvements



Stakeholder Meeting #2 | May 16, 2018

# Agenda

## Massachusetts Avenue – Sidney Street to Memorial Drive

- Welcome & Introductions
- Brief Recap of Project Background
- Design Toolbox
- Workshop Discussion:  
DRAFT in Design



PROJECT BACKGROUND

# **Mass. Ave. Reconstruction**

**Completed in 2008**

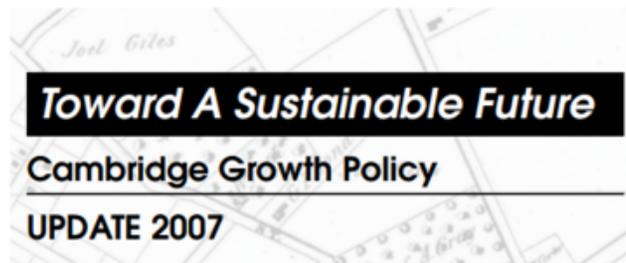
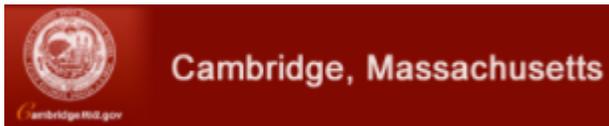


*Before*



*After*

# Municipal Policies



**Vision Zero** calls for the elimination of fatalities and serious injuries resulting from traffic crashes, and emphasizes that they can, and should be prevented (2016).

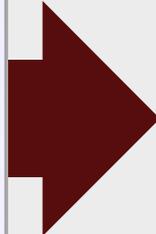
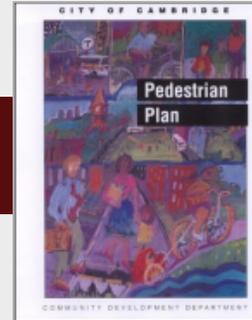
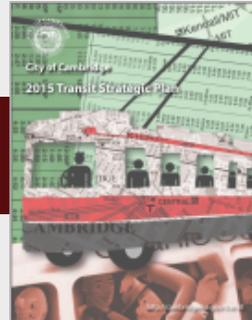
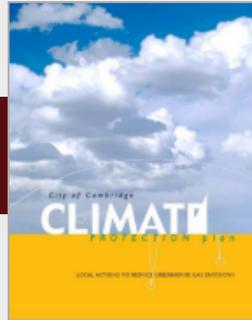
**Complete Streets** are designed and operated to enable safe access for *all* users – regardless of age, ability, or mode of transportation (2016).

**Vehicle Trip Reduction Ordinance** established programs to encourage alternatives to single-occupancy vehicle travel (1992).

**Cambridge Growth Policy** emphasizes sustainable modes of transportation such as walking, biking and using transit and low-emission vehicles, which promote livability and help to improve air quality and reduce greenhouse gas emissions (1993/2007).

PROJECT BACKGROUND

# From Plans to Actions

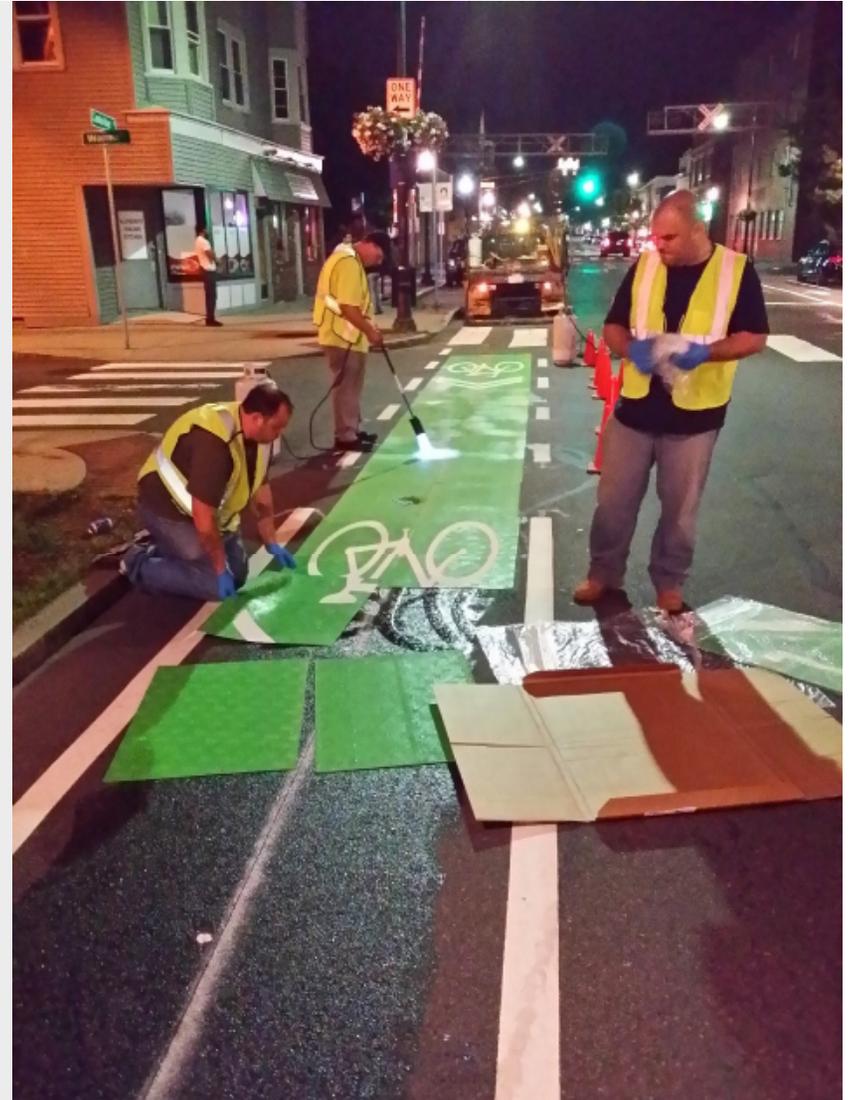


## PROJECT BACKGROUND

# Flexible Implementation

Based on Policies and Plans and direction of City leadership:

- Evaluate and implement “**quick build**” solutions to enhance the comfort and promote sustainable transportation for people walking, biking, driving and using transit
  - ✓ Designs that are **flexible** after implementation
  - ✓ **Modifications possible** based on evaluation (including feedback)

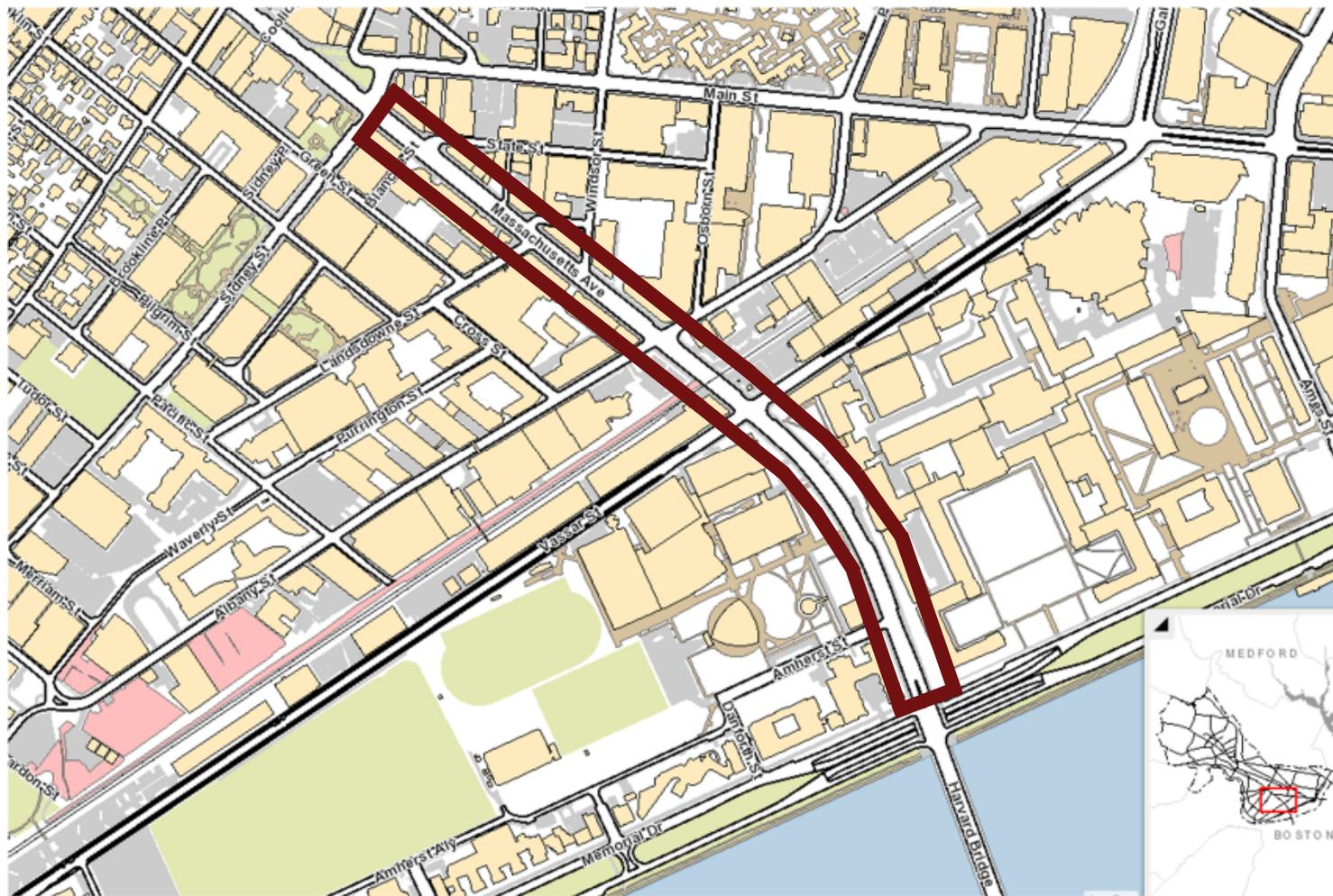


CORRIDOR INFORMATION

# Project Limits

## Lafayette Square to the Charles River

*from Sidney Street to Memorial Drive*



**Legend**

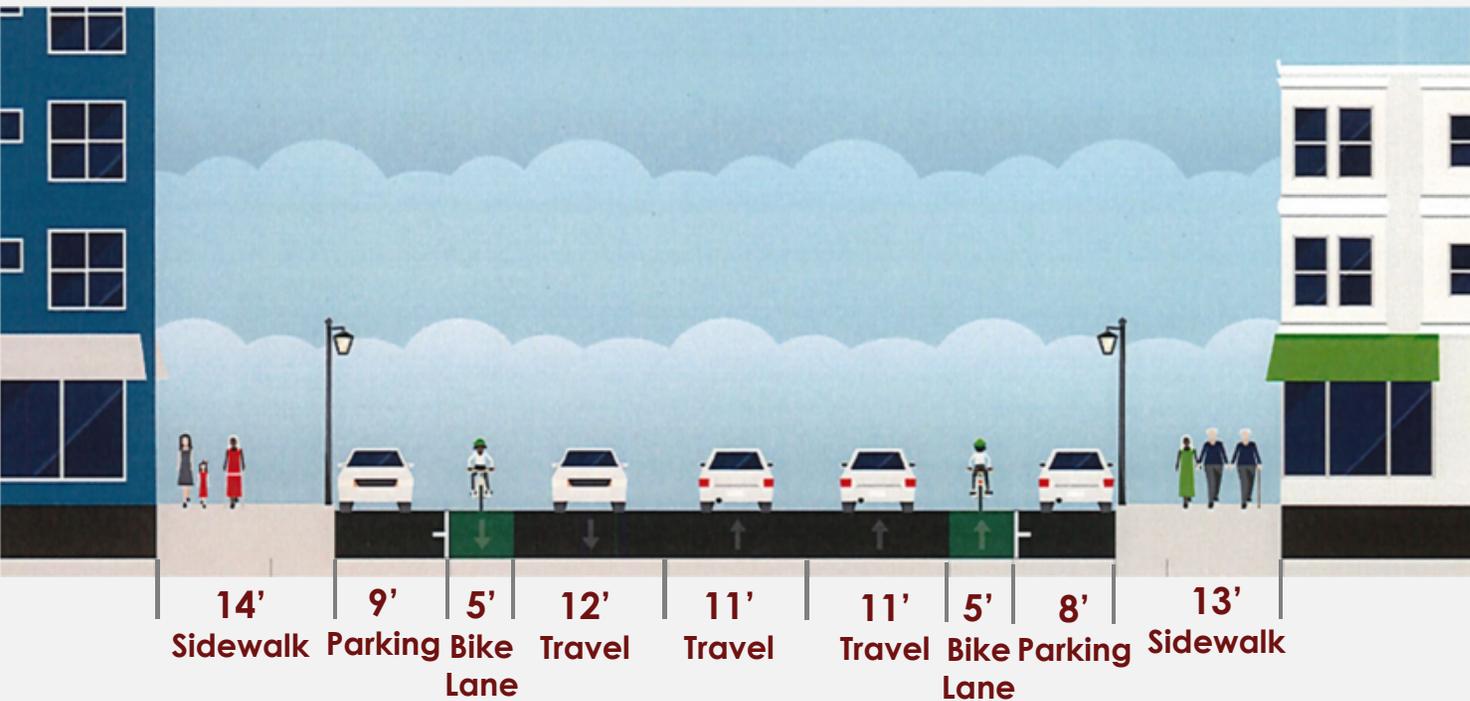
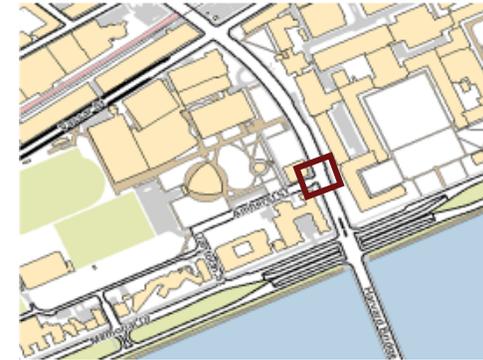
 Project Limits



CORRIDOR INFORMATION

# Existing Conditions

## Mass. Ave. Cross-Section (at Amherst Street)



- ✓ 88' wide
- ✓ On-street bike lane
- ✓ On-street vehicle parking
- ✓ Mix of meters and other parking
- ✓ Bus stops
- ✓ Curb extensions at multiple locations

# Project Goals



- ✓ Address safety issues and reduce crashes - Vision Zero
- ✓ Reduce transit delays
- ✓ Enable/encourage people of all ages and abilities to choose sustainable transportation

NEXT STEPS

# Data Collection



## ✓ Motor Vehicle Parking Study

- Inventory existing on-street parking
- Conduct occupancy study
- Conducted week of 4/30

## ✓ Bicycle & Pedestrian counts

- Conducted week of 5/7

## ✓ Bus travel time/delay analysis

## ✓ Conduct traffic counts at

key intersections

- Conducted in April

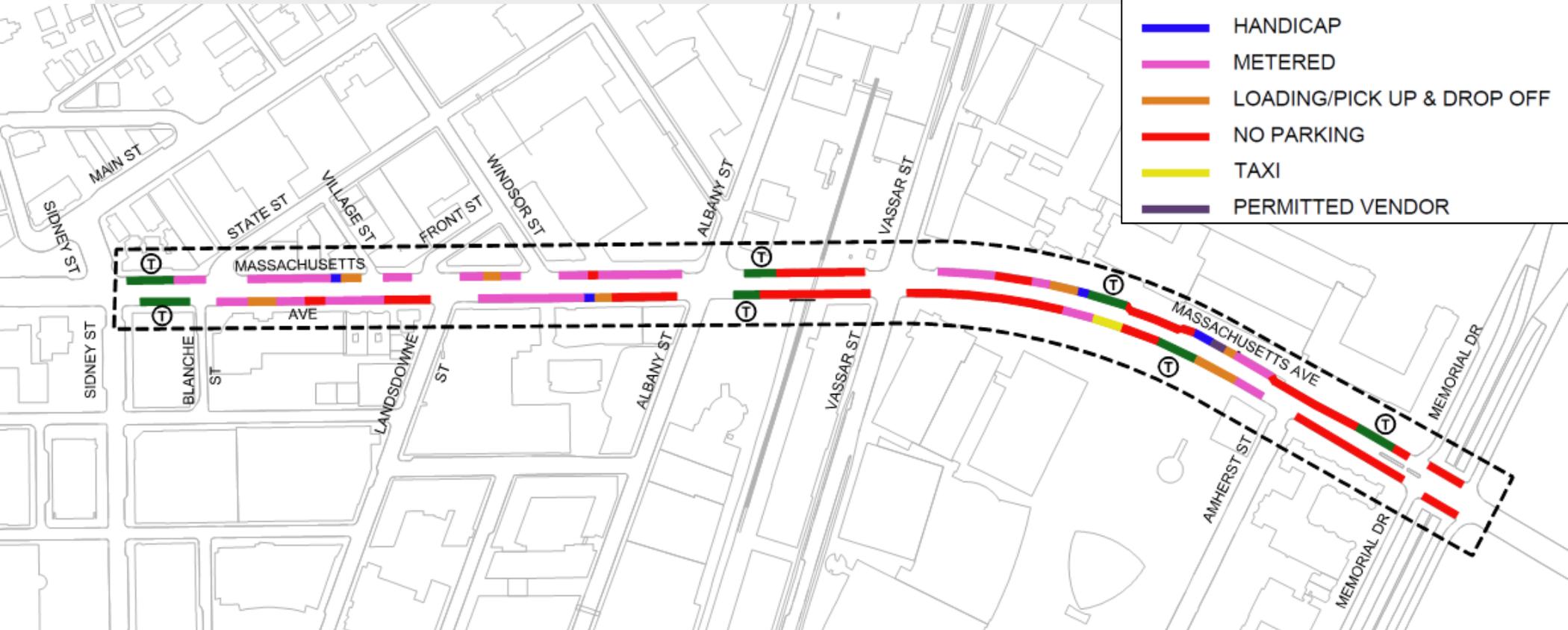
NEXT STEPS

# Data Collection

✓ Parking Inventory Study

## LEGEND

- BUS STOP
- HANDICAP
- METERED
- LOADING/PICK UP & DROP OFF
- NO PARKING
- TAXI
- PERMITTED VENDOR



NEXT STEPS

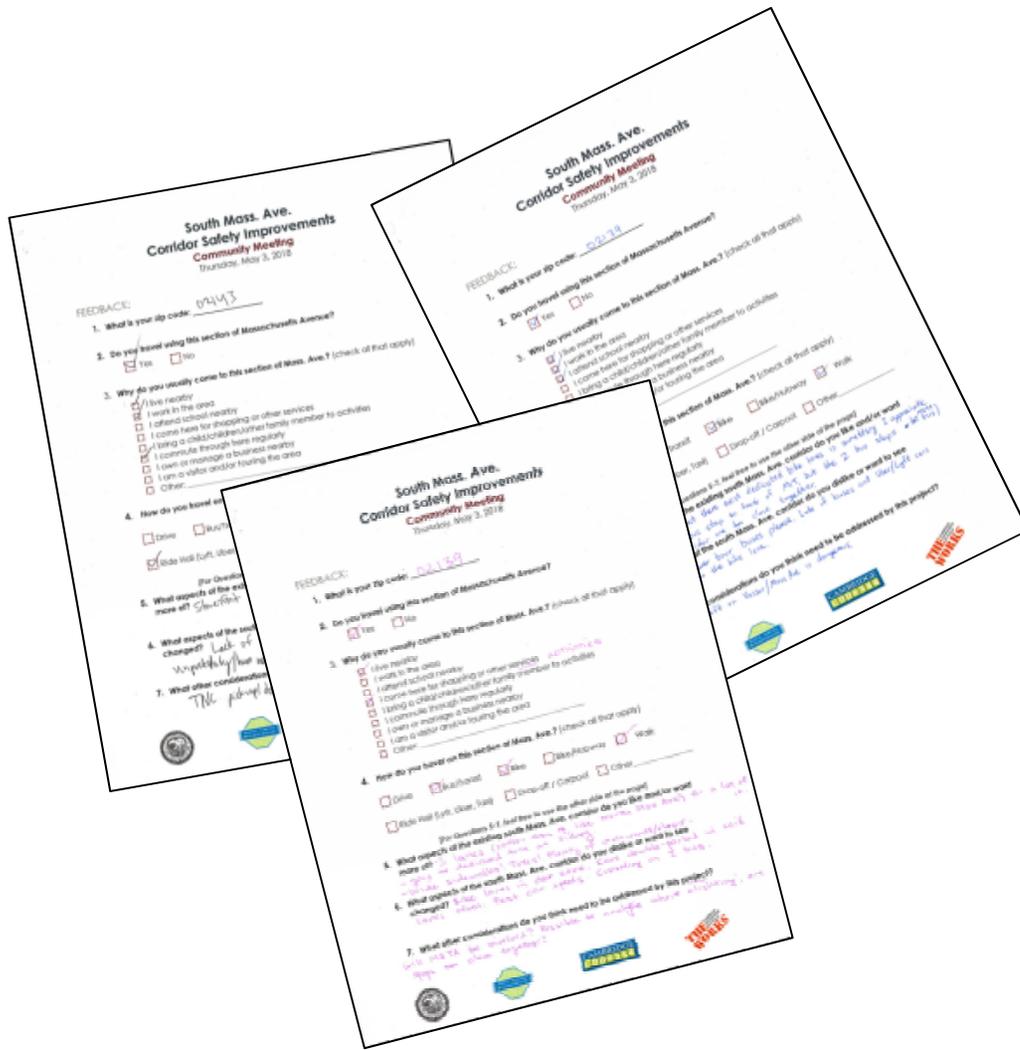
# Public Process



- ✓ Stakeholder Meeting April 12th
  - ✓ Plan Feedback
  - ✓ Written Feedback
- ✓ Wikimap online
- ✓ Community Meeting May 3<sup>rd</sup>
  - ✓ 35 +/- attendees
  - ✓ Presented project updates, timeline, designs
  - ✓ Hosted breakout groups with roll-out plans of the corridor
  - ✓ Written Feedback
  - ✓ Gathered feedback to incorporate into the design

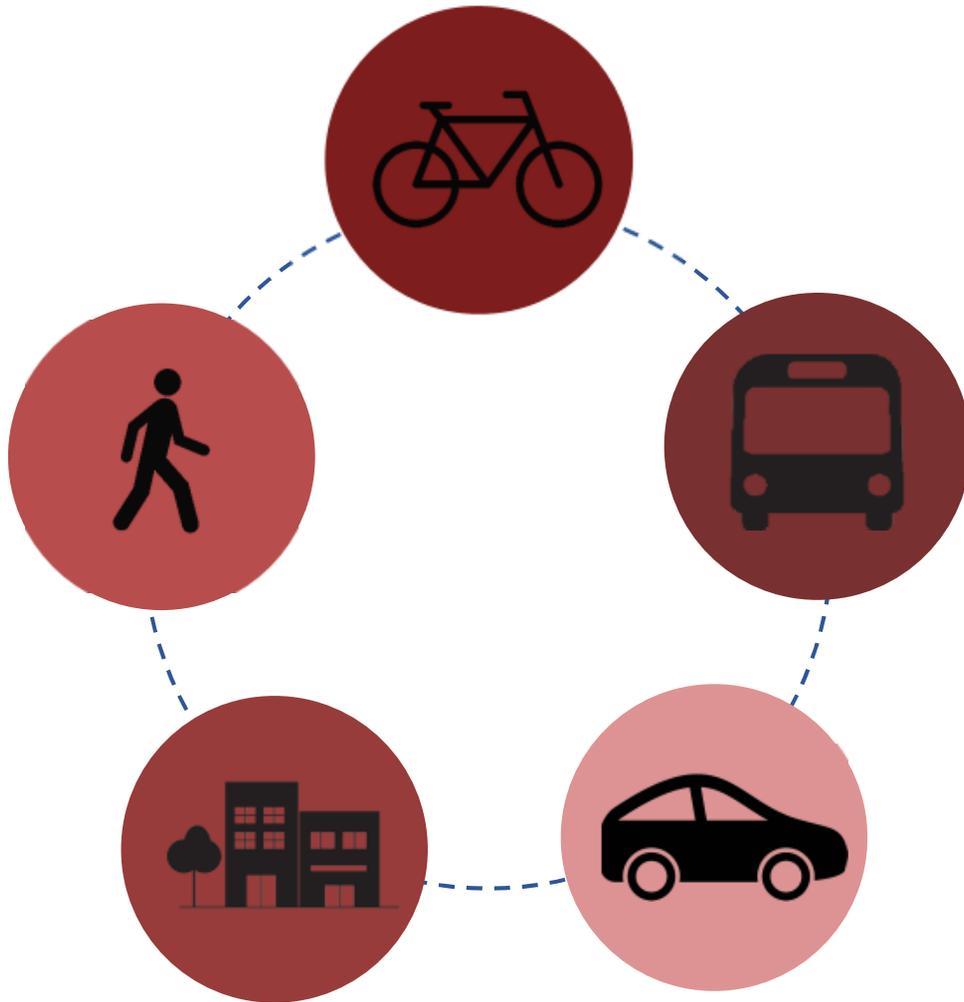
NEXT STEPS

# Public Feedback



- ✓ Need for better operating conditions for bicyclists
- ✓ Need for additional crosswalks traversing Mass Ave
- ✓ Desire to improve transit operations
- ✓ Concerns about unpredictable ridesharing, tour bus, food truck, commercial loading & pick-up/drop-off activity
- ✓ Improvements needed at rail crossing

# Design Considerations



- ✓ Bicyclist safety & comfort
- ✓ Pedestrian safety & comfort
- ✓ MBTA Bus stops
- ✓ MBTA Bus reliability
- ✓ Tour Bus pick-up/drop-off
- ✓ Accessible parking
- ✓ Loading & deliveries
- ✓ Street maintenance
- ✓ On-street parking

# Project Toolbox

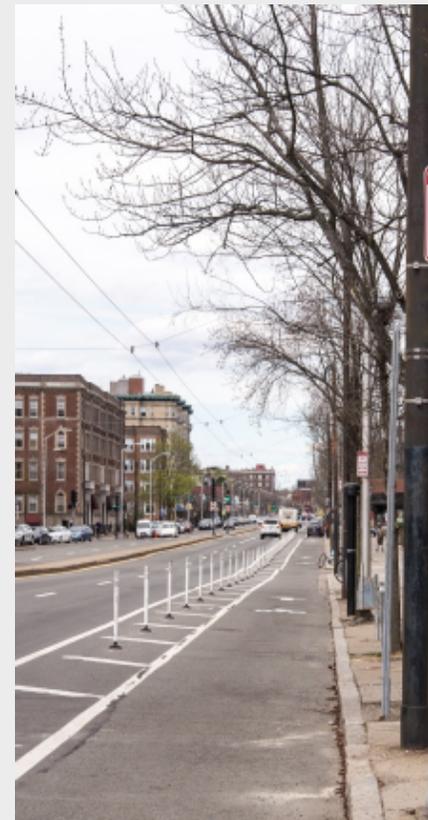
✓ Signage



✓ Pavement Markings



✓ Flexible Delineator Posts



# Project Toolbox

✓ Turn Lanes



✓ Bus Queue Jump/Priority Lane



✓ Additional Crosswalks



✓ Signal Phasing and Timing



DESIGN OVERVIEW

# Separated Bicycle Facilities



*Northbound from Sidney Street to  
Douglass Street (shown: Lafayette Square)*



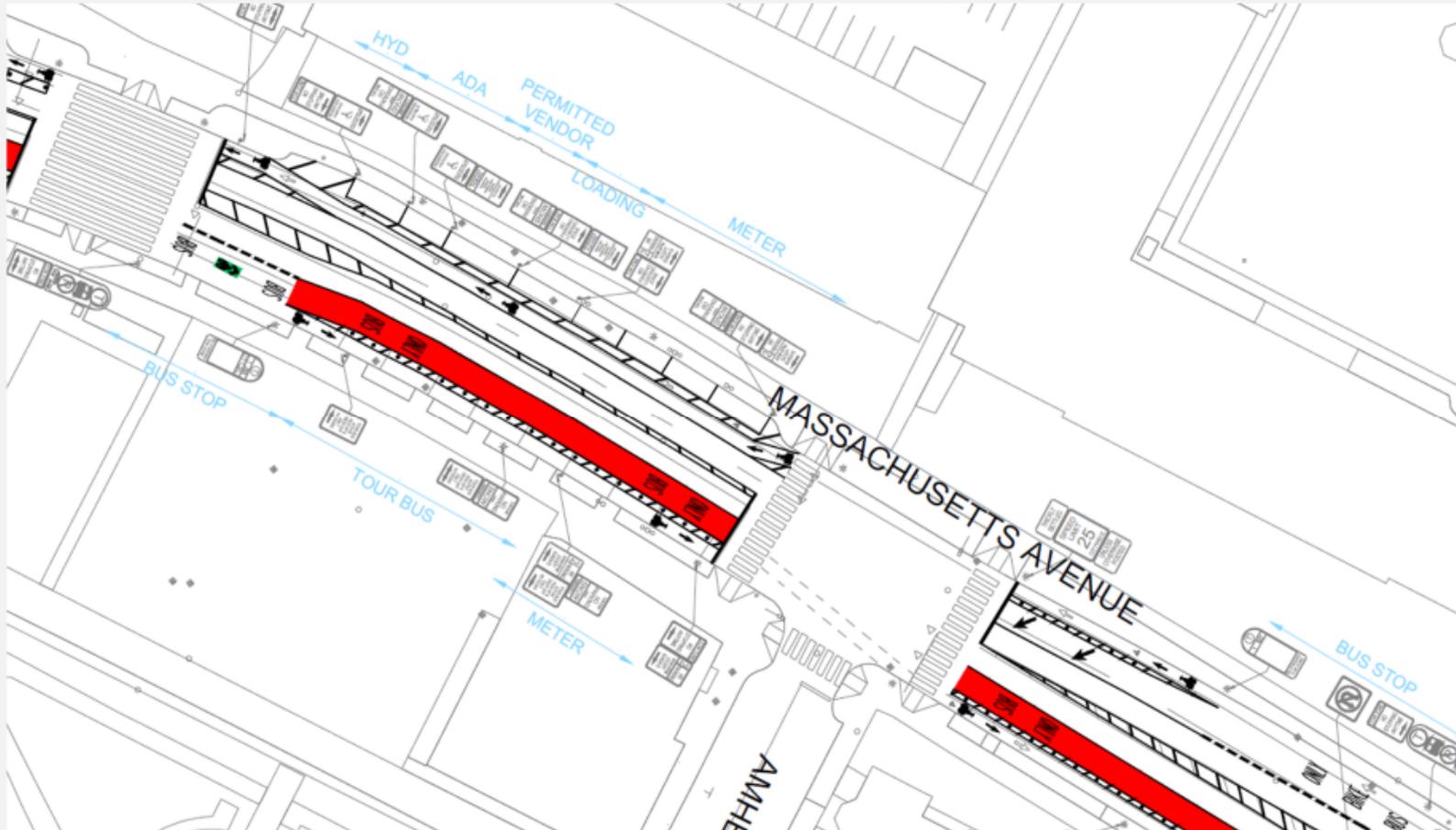
*Cambridge Street*

NEXT STEPS

# Draft Design

## South Mass. Ave. Corridor

- ✓ How and where can we use elements of the toolbox to address issues?



NEXT STEPS

# Schedule



**Bicycle, pedestrian, traffic counts**  
April



**Public Meeting #1**  
May 3



**Refine design**  
May - August



**Public Meeting #2/Open House**  
June

**Evaluation**



**Parking study**  
Week of April 30



**Advisory Committee Meeting #1**  
April 11



**Advisory Committee Meetings #2-3**  
May, June/July



**Implementation**  
Late Summer 2018

