

# REIMAGINING STATE STREET

June 15, 2022

Public Works Department



Boston Transportation
Department







# REIMAGINING STATE STREET

June 15, 2022

# WELCOME!

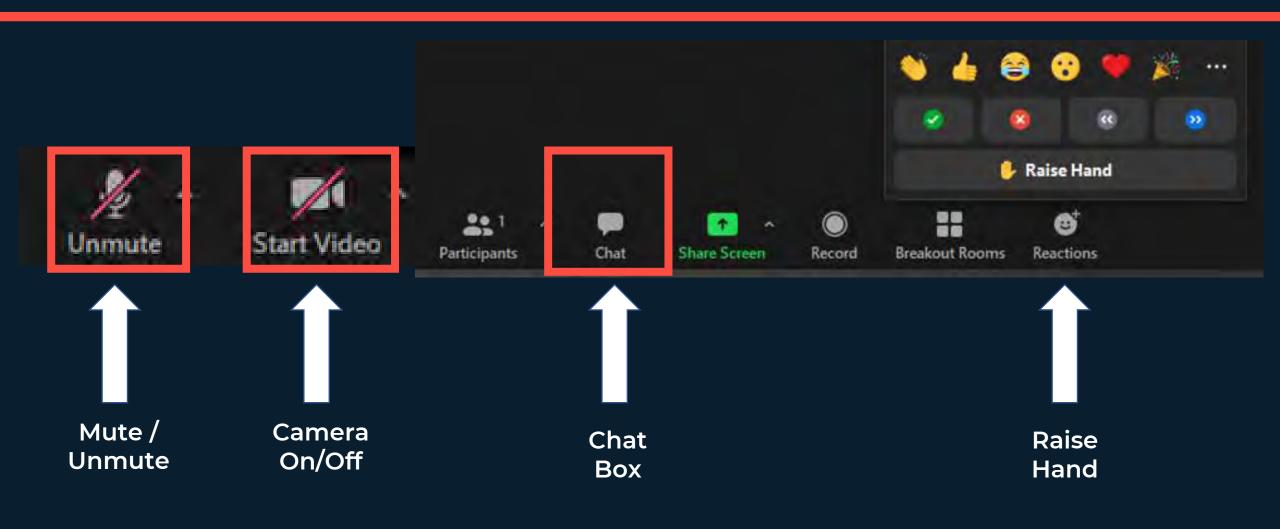
This meeting is being recorded. The recording will be posted on the State Street webpage: <a href="https://www.boston.gov/state-street">https://www.boston.gov/state-street</a>







## **USING THE ZOOM CONTROL PANEL**



# PARTICIPATING IN A ZOOM MEETING

- We will begin with a presentation. There will be time for questions after the presentation.
- You can post a question in the chat box OR you can raise your 'digital hand' and your microphone will be unmuted.
  - Joining by phone? Press \*9 to raise your hand.
     Press \*6 to unmute.
- The presentation will be recorded and posted on the project webpage <a href="https://www.boston.gov/state-street">https://www.boston.gov/state-street</a>
- Thank you for joining us!



# **PROJECT TEAM**



Jeffrey Alexis
Public Works
Department



**Joe Johnson**GPI, Project

Consultant



**Stefanie Seskin** 

Boston Transportation Department

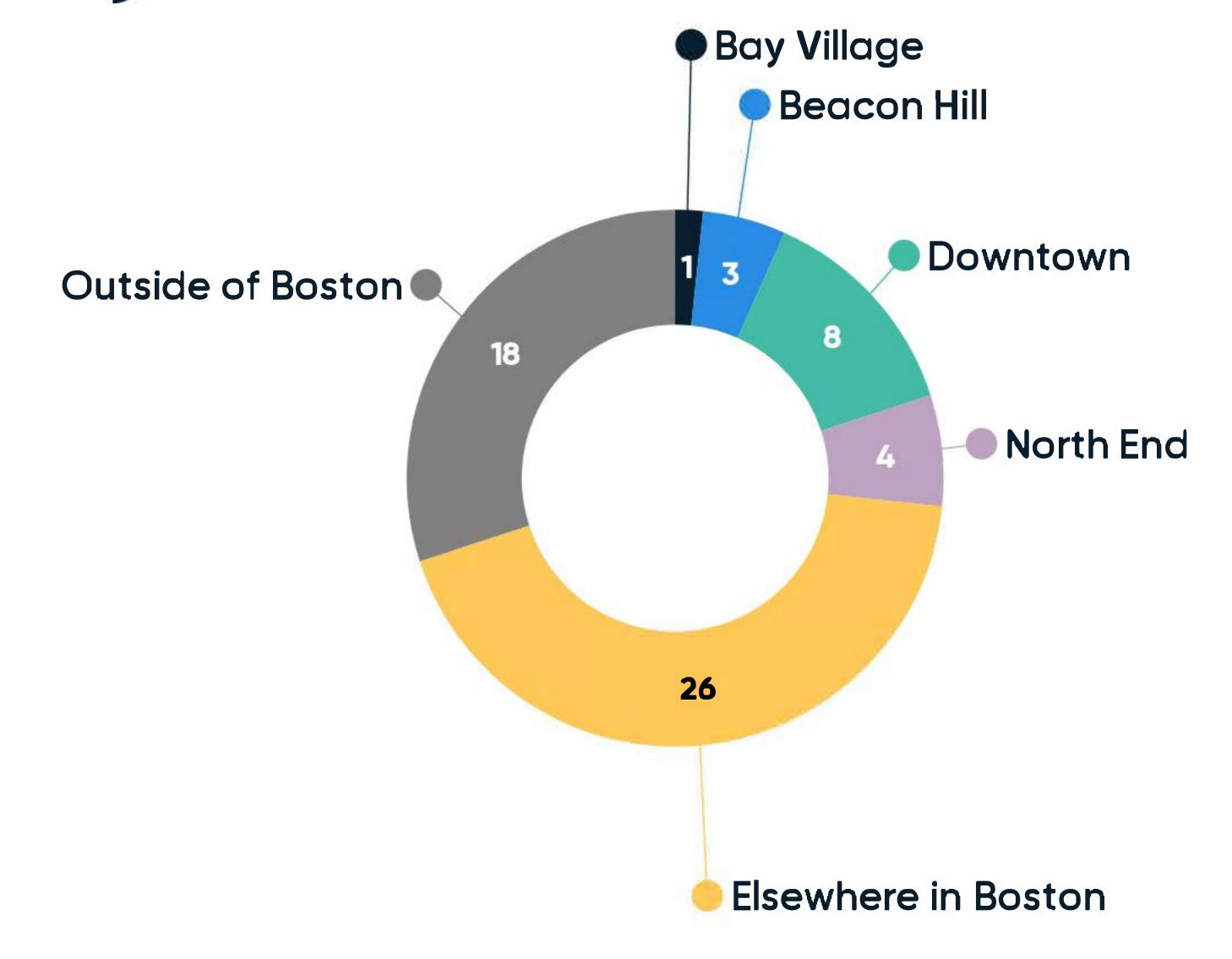


**Carolyn Radisch** 

GPI, Project Consultant

# Where do you live?

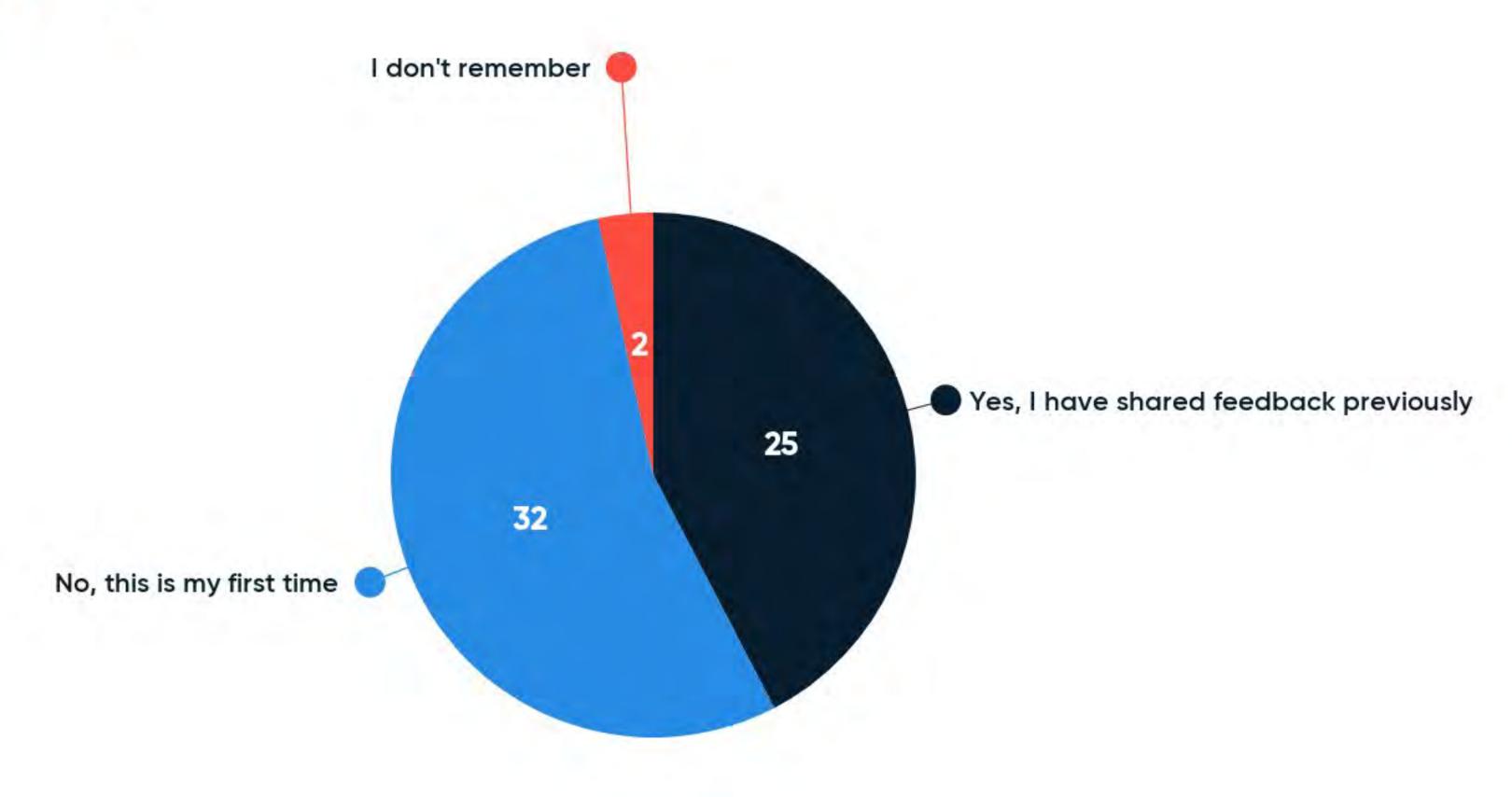






# Did you participate in earlier State Street engagement?







# What words comes to mind when you think about State Street?





# How do you use State Street?













Own a business on State Street Pass through telsewhere



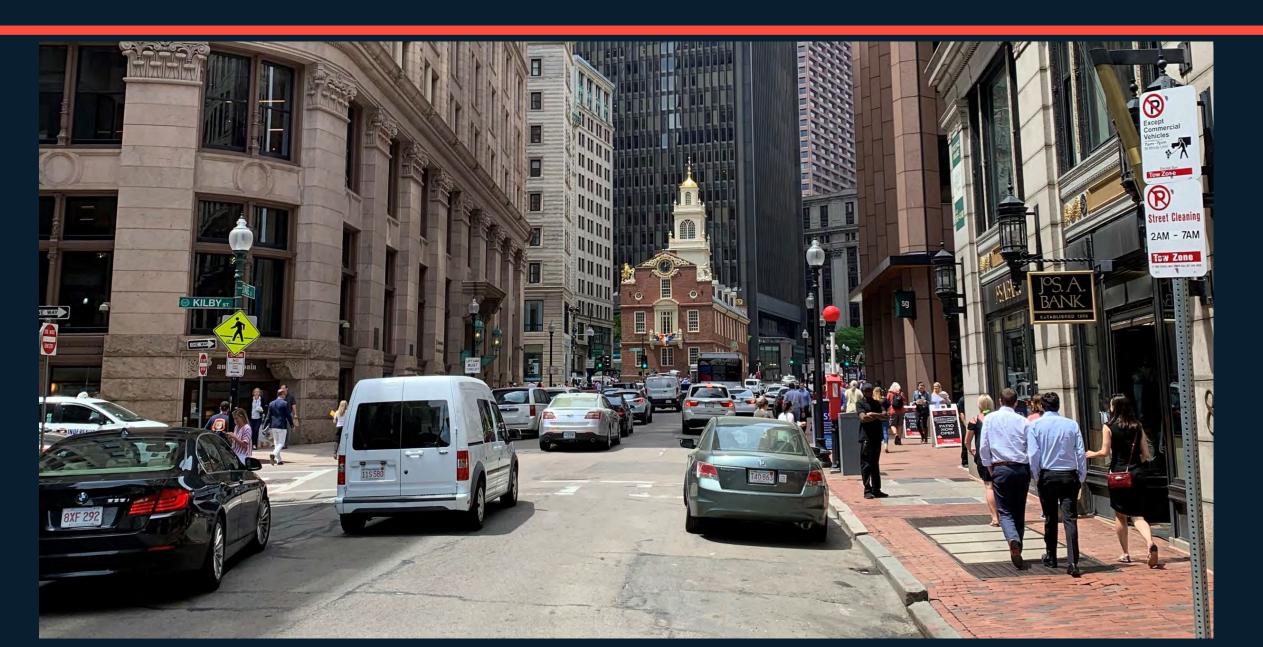


# MEETING AGENDA

- 1. Project Background
- 2. Public Input
- 3. Pilot Project
- 4. Recommended Design
- **5. Questions and Comments**

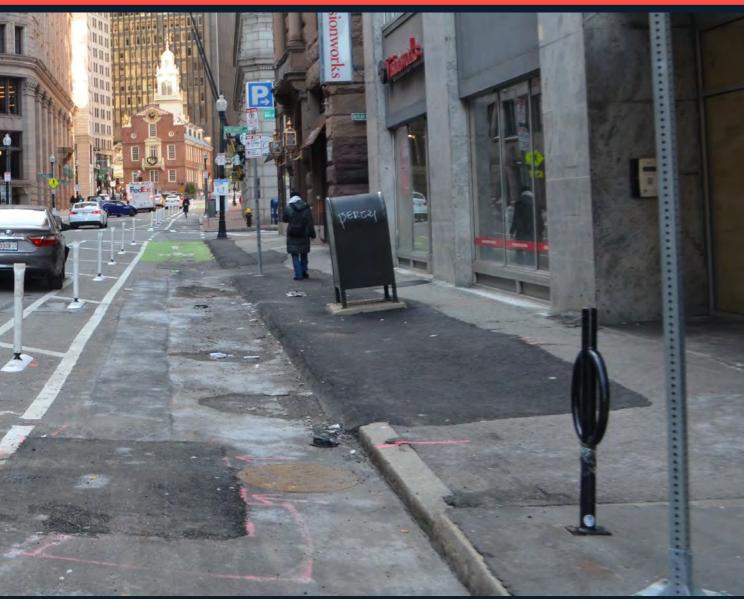


# STATE STREET IS PART OF BOSTON'S HISTORIC FABRIC



# THE PROBLEM: THE STREET IS IN NEED OF IMPROVEMENT





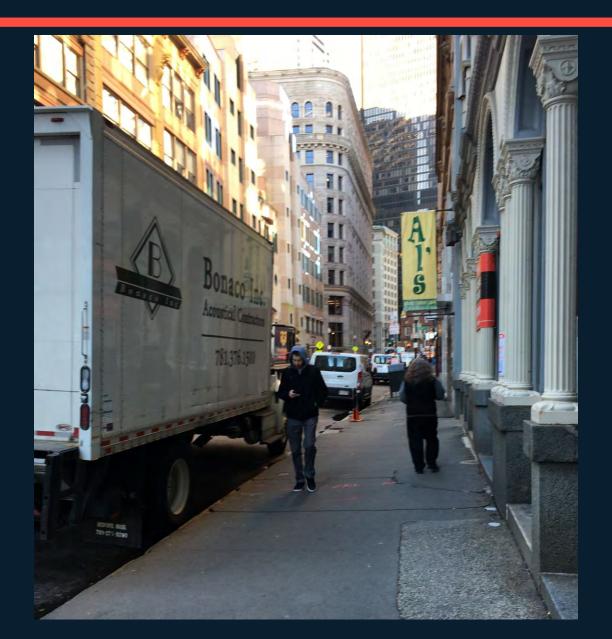
# THE PROBLEM: PEDESTRIAN SPACE IS INADEQUATE





Pedestrians outnumbered vehicles 3:1 in 2019.

# THE PROBLEM: UNORGANIZED CURBSIDE USAGE



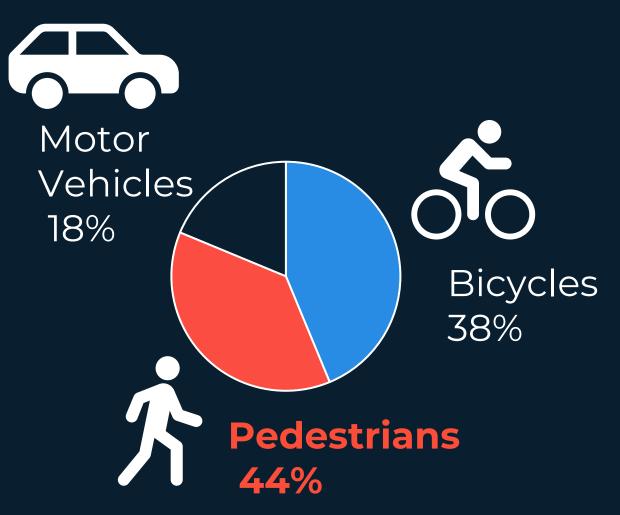


#### THE PROBLEM: MISSING LINK IN THE BICYCLE NETWORK



STATE STREET IS A VISION ZERO BICYCLE HIGH CRASH NETWORK STREET

#### THE PROBLEM: TROUBLING CRASH HISTORY





Injury Crashes 2015-2019

Source: Boston Vision Zero

#### THE PROBLEM: TROUBLING CRASH HISTORY

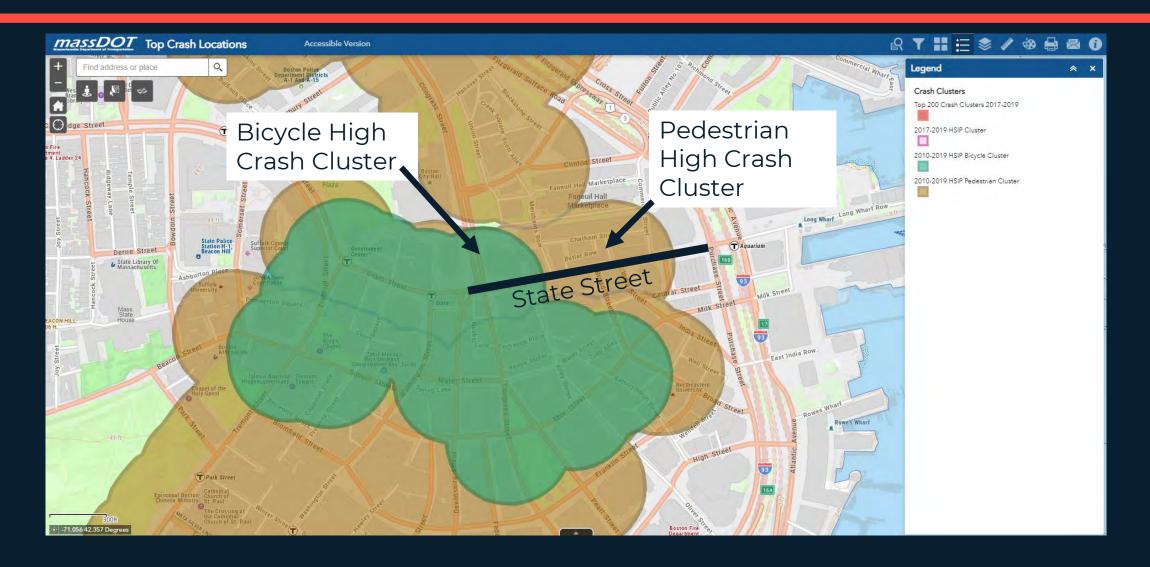


#### **Distribution of Injury Crashes 2015 – 2019**

<b>Pedestrian:</b>	15	3.0 per year average
Bicycle:	13	2.6 per year average
<b>Motor Vehicle:</b>	6	1.2 per year average
Total:	34	6.8 per year average

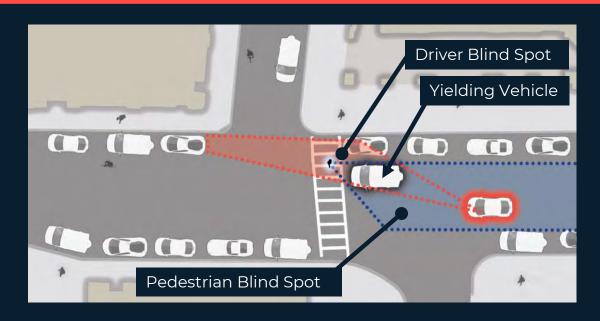
Source: Boston Vision Zero

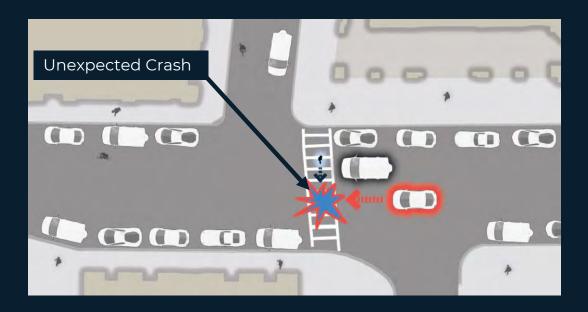
#### THE PROBLEM: TROUBLING CRASH HISTORY



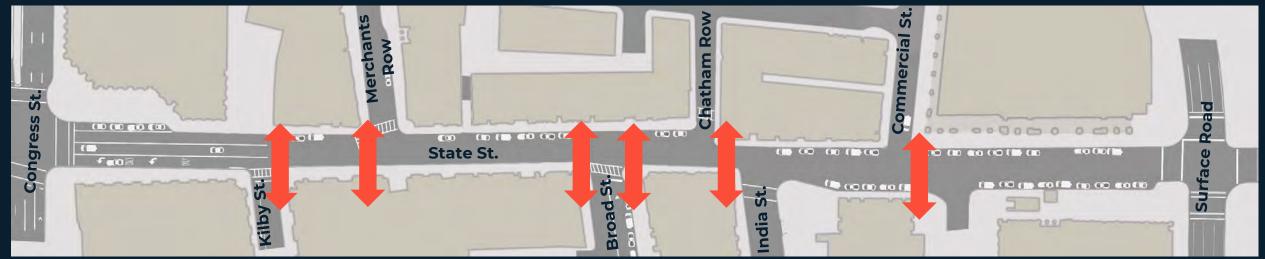
State Street is part of HSIP Eligible Pedestrian and Bicycle High Crash Clusters

#### **SAFETY CONCERNS: MULTIPLE THREAT CRASH RISK**

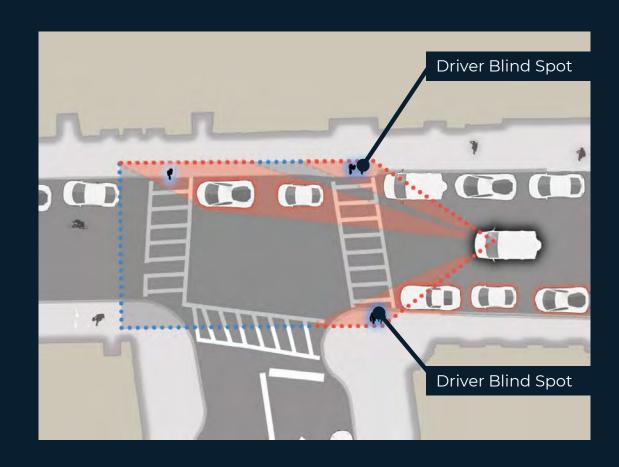


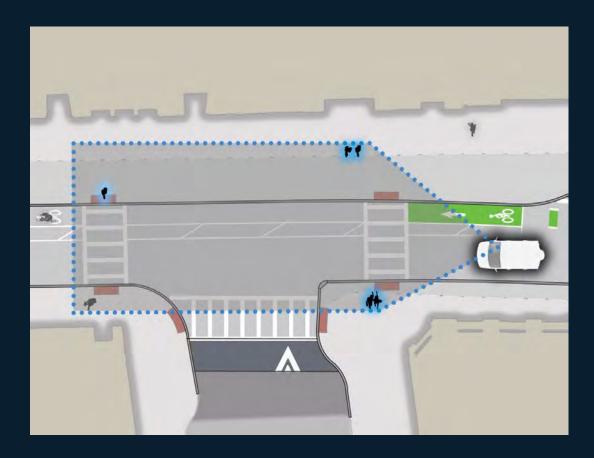


#### **Heavy Pedestrian Crossings at Uncontrolled Intersections**

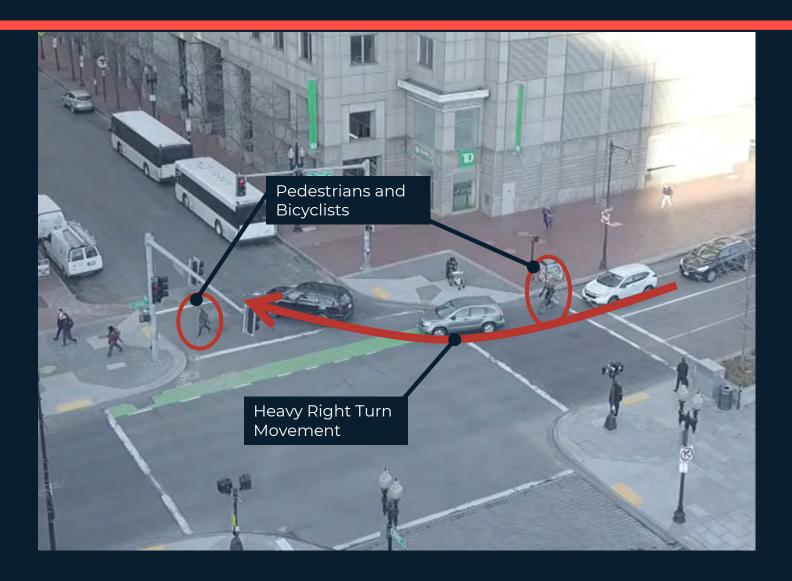


## **SAFETY CONCERNS:** LOADING / PARKING NEAR CROSSWALKS

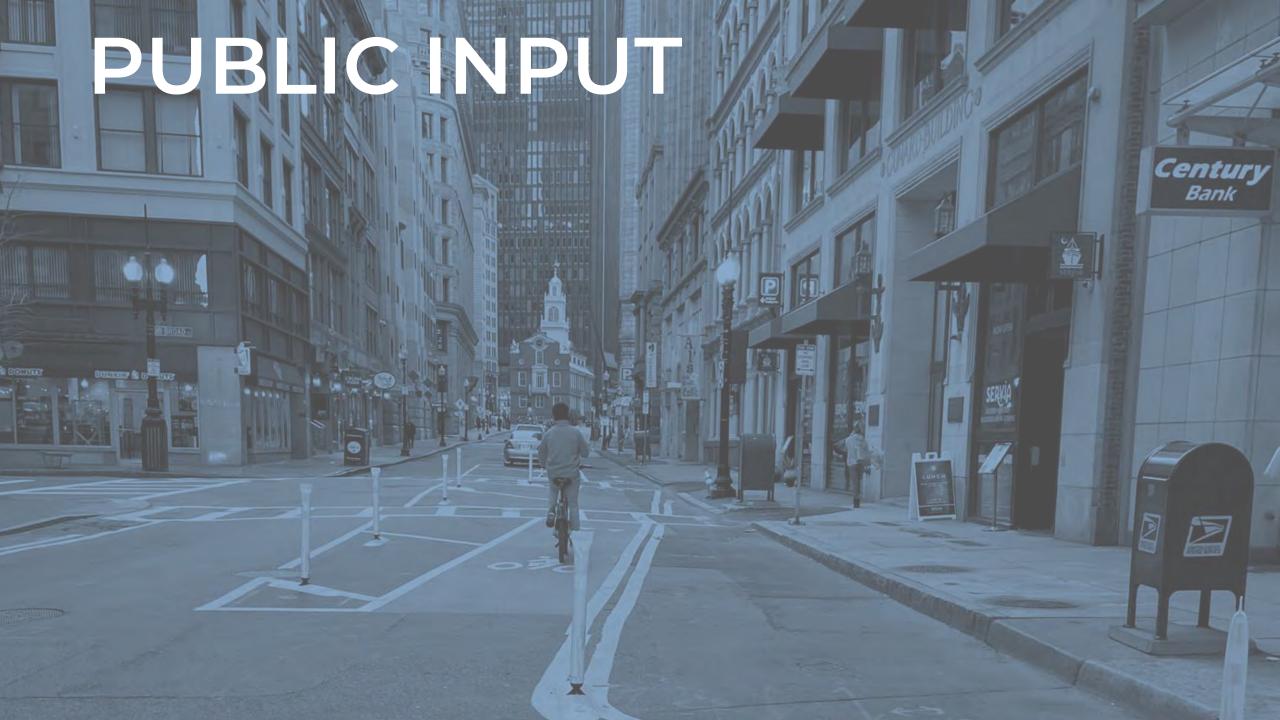




## **SAFETY CONCERNS: INTERSECTION CONFLICTS**



**HEAVY RIGHT TURN CONFLICTS WITH CROSSING BICYCLES AND PEDESTRIANS** 



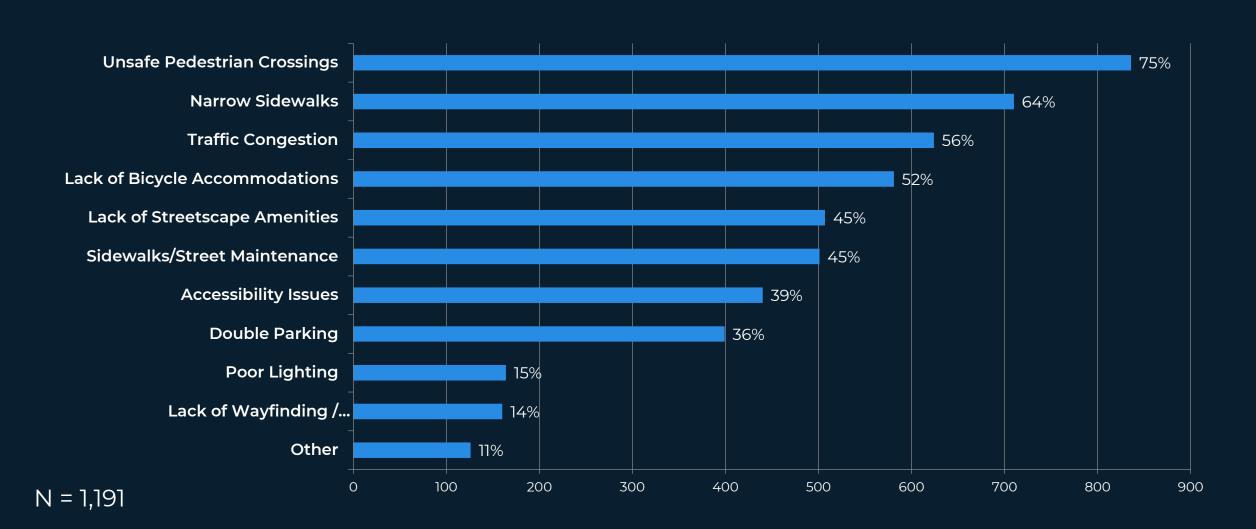
#### PUBLIC ENGAGEMENT AND FEEDBACK

- POP-UPS ON STATE STREET (2)
- ONLINE PUBLIC PRESENTATIONS AND FEEDBACK SURVEYS (2)
- ADVISORY GROUP MEETINGS (7)
- PRESENTATIONS TO WHARF DISTRICT COUNCIL (4)
- MEETINGS WITH ABUTTERS (8)
- PILOT PROJECT AND SURVEY



#### **PUBLIC FEEDBACK: INPUT ON THE PLAN UNDERSCORES SAFETY CONCERNS**

#### What is Most Concerning to you about State Street?



#### **PUBLIC FEEDBACK: INPUT ON THE PLAN UNDERSCORES PED/BIKE IMPROVEMENTS**

#### I Would Like to See This On State Street:





# PILOT PROJECT: IMPLEMENTED IN FALL 2020





#### **PILOT PROJECT: DATA COLLECTION\***



#### **Injury Crashes**

60% lower including all modes with pilot configuration (2020-2021) compared to the 2 years prior to pilot (2018-2019).

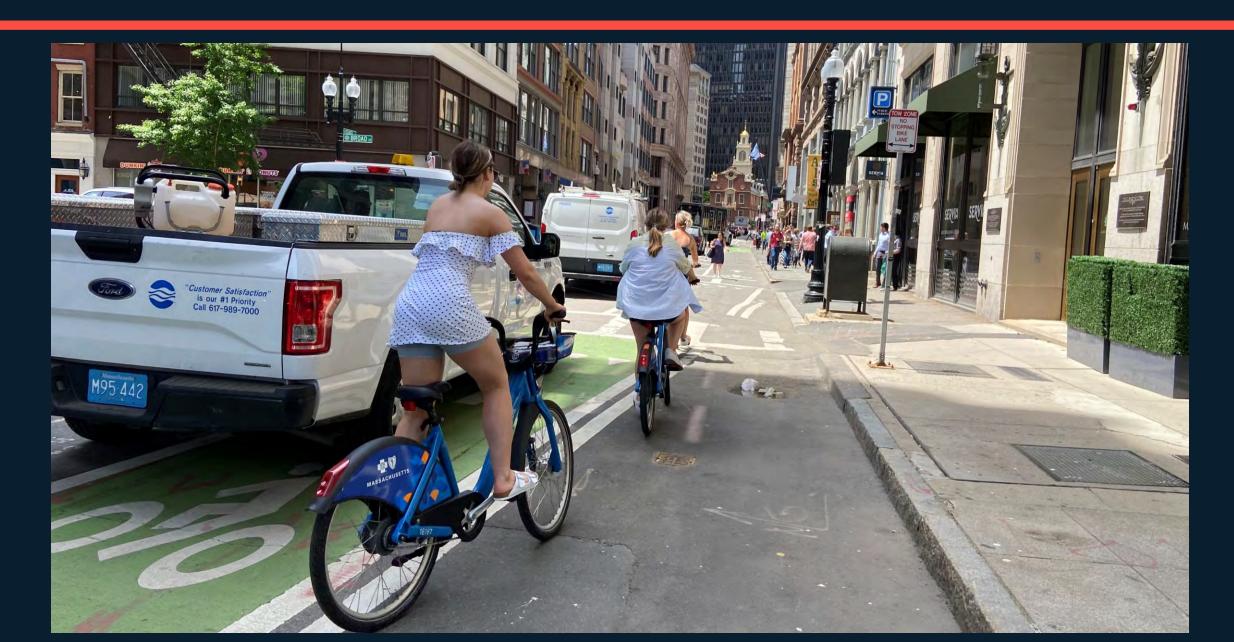




# **Bicyclist Volumes**

**Up 15%** (June 2021 vs July 2019) **despite** Covid shutdowns.

# PILOT PROJECT: PILOT HAS LIMITATIONS



#### **FEEDBACK: GENERAL PUBLIC**



Over 1,700 project surveys completed

- 93% of respondents support pedestrian and bicyclist improvements
- 212 pilot project surveys completed
- 96% of pilot users are satisfied or very satisfied with the reduced roadway width for vehicles

#### FEEDBACK: WHARF DISTRICT COUNCIL FEEDBACK



- Provide Two Vehicle Lanes
- Remove Bike Lane on State Street and Provide Elsewhere
- Provide Loading on North Side of State Street



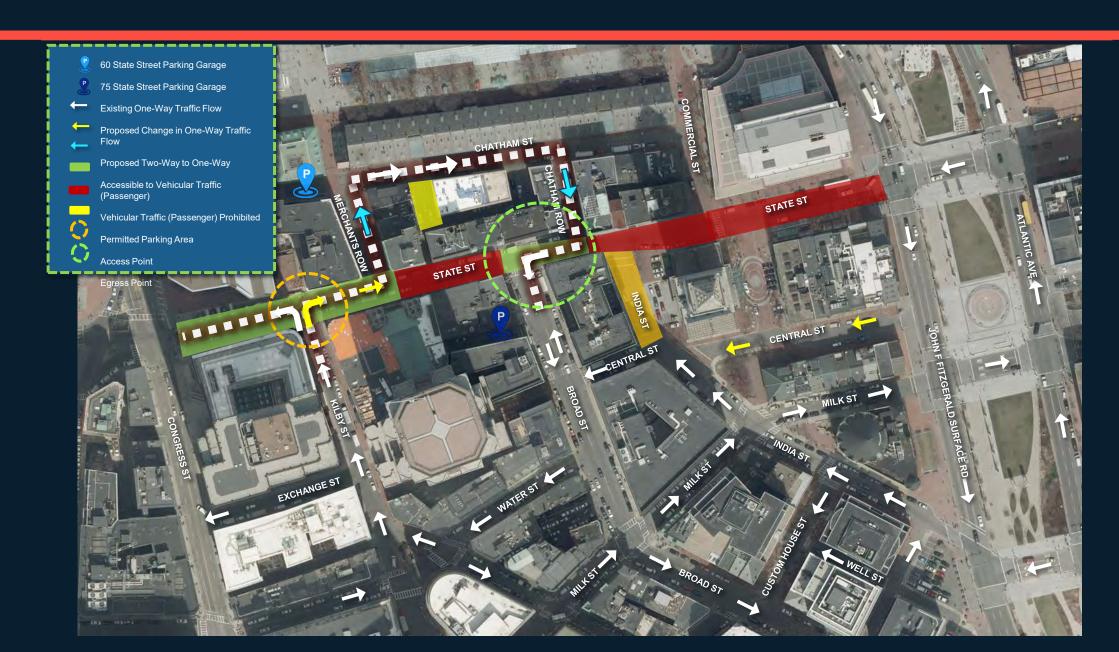
#### **DESIGN OPTIONS CONSIDERED**

# Space is Limited – Public ROW Must be Balanced Between Users

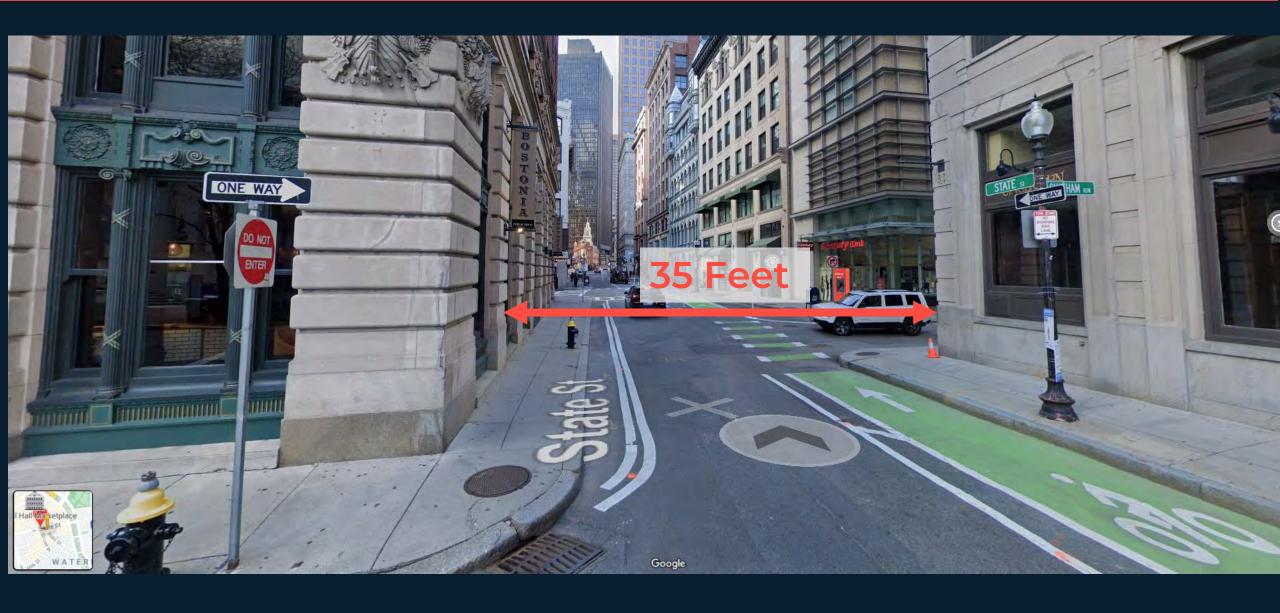


- 1. Car Free Street
  - <u>Rejected</u> Difficult to find alternative vehicle routes; vehicle access needed for parking garages; concerns expressed by local community.
- 2. Complete Street Design / Single Vehicle Lane Recommended Protects the most vulnerable users and accommodates all modes.
- 3. Two Vehicle Lanes / No Bike Lane
  Rejected Does not address pedestrian and bicyclist safety conditions.

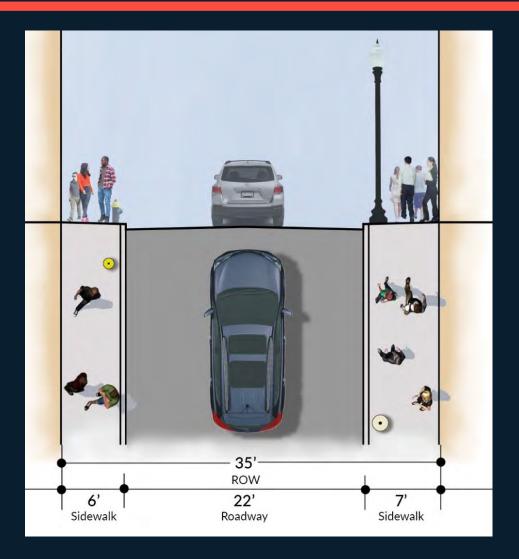
#### **DESIGN OPTIONS CONSIDERED: PEDESTRIAN STREET**

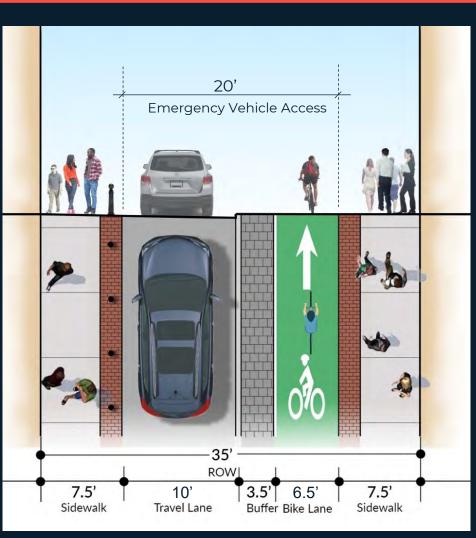


#### **RECOMMENDED DESIGN: CONSTRAINED BY NARROW 'PINCH POINT'**



#### RECOMMENDED DESIGN: ACCOMMODATE ALL USERS SAFELY





- NarrowedVehicleLane
- WiderSidewalks
- Protected WB Bike Lane

**Existing at Pinch Point** 

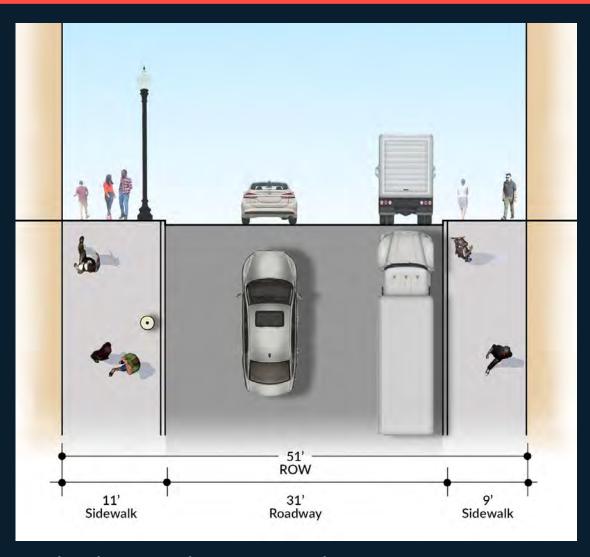
Proposed at Pinch Point

#### RECOMMENDED DESIGN: ACCOMMODATE EMERGENCY VEHICLES





#### RECOMMENDED DESIGN: ACCOMMODATE COMMERCIAL LOADING

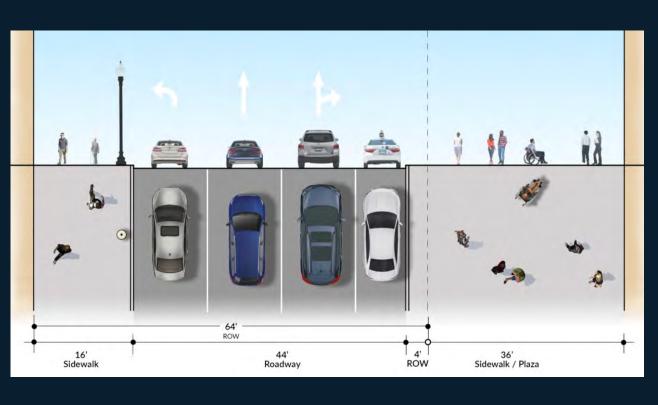


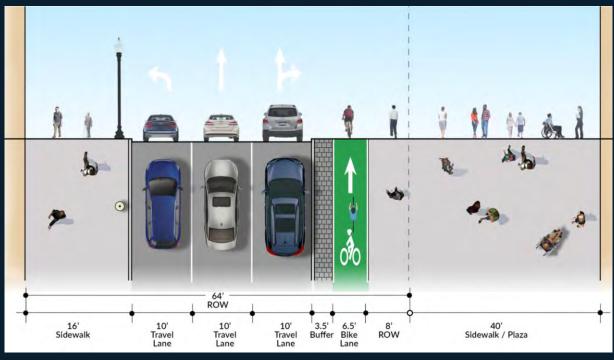
ROW 10' 3.5' Travel Lane Buffer 11' 11' Bike Sidewalk Loading Sidewalk

**Existing with Loading** 

**Proposed with Loading** 

#### **RECOMMENDED DESIGN: MAINTAIN APPROACH LANES**





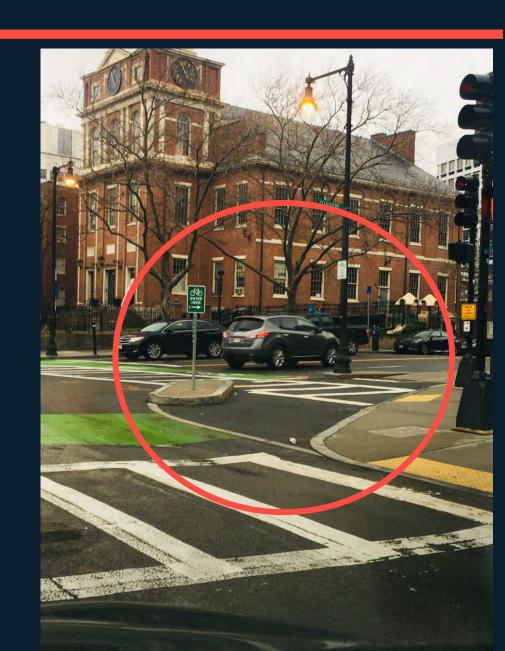
**Existing at Congress St.** 

Proposed at Congress St.

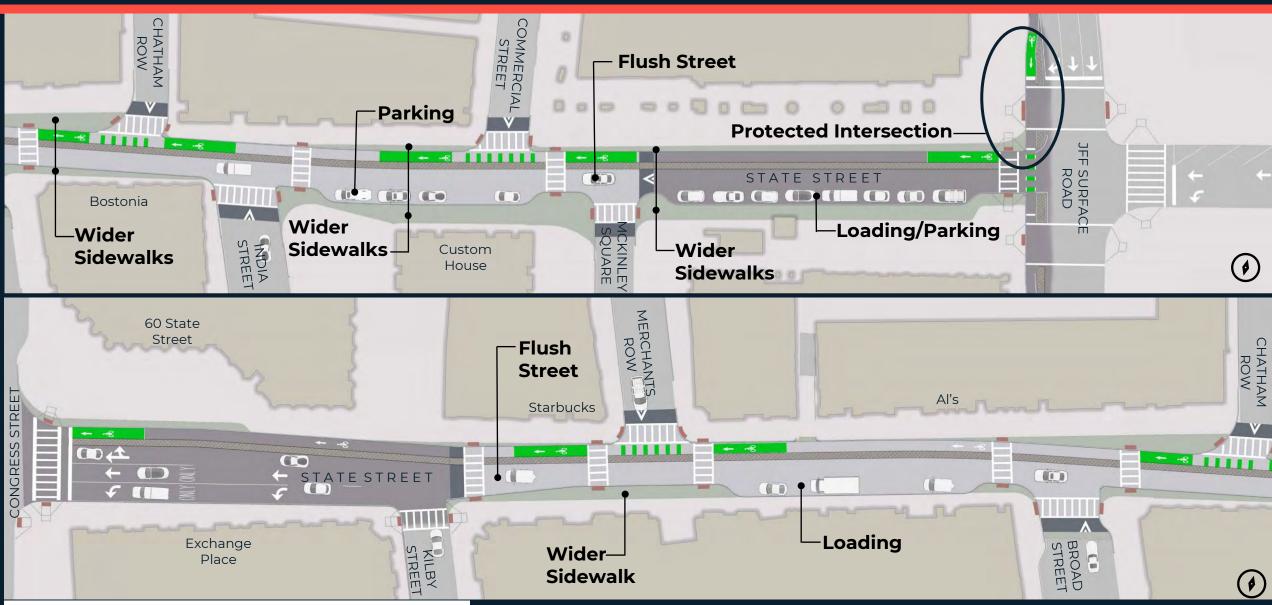
#### **RECOMMENDED DESIGN: IMPROVE INTERSECTION SAFETY**

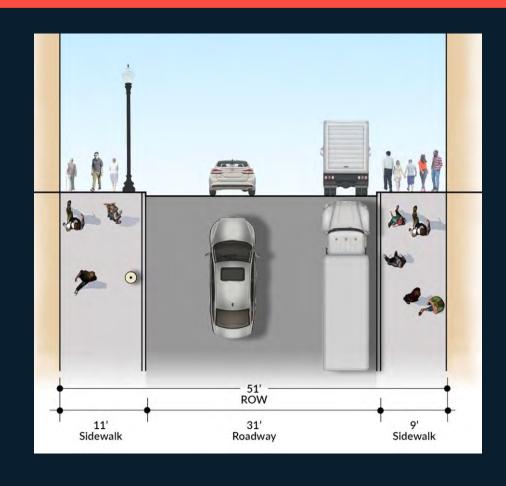
### What is a Protected Intersection?

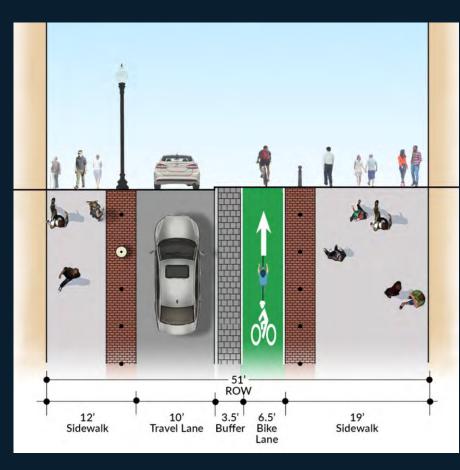
A Protected Intersection uses corner islands to slow vehicles as they turn the corner and improve visibility of bicyclists and pedestrians. This creates a safer crossing for bicyclists and pedestrians.



#### **RECOMMENDED DESIGN: ORGANIZED, SLOW, SAFE STREET**







- WiderSidewalks
- + ]]'
- Remove

   Parking
   Next to
   Busy
   Crosswalk

**Existing at Chatham Row** 

**Proposed at Chatham Row** 



Improved Lighting

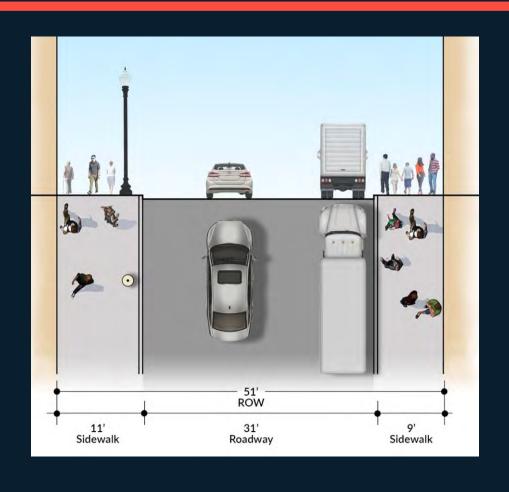
Crossings at Each Leg of Intersection

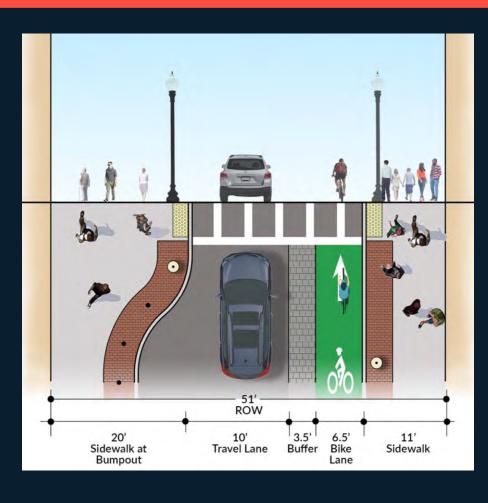
Flush Crossings •

Narrowed Crossing Distance -

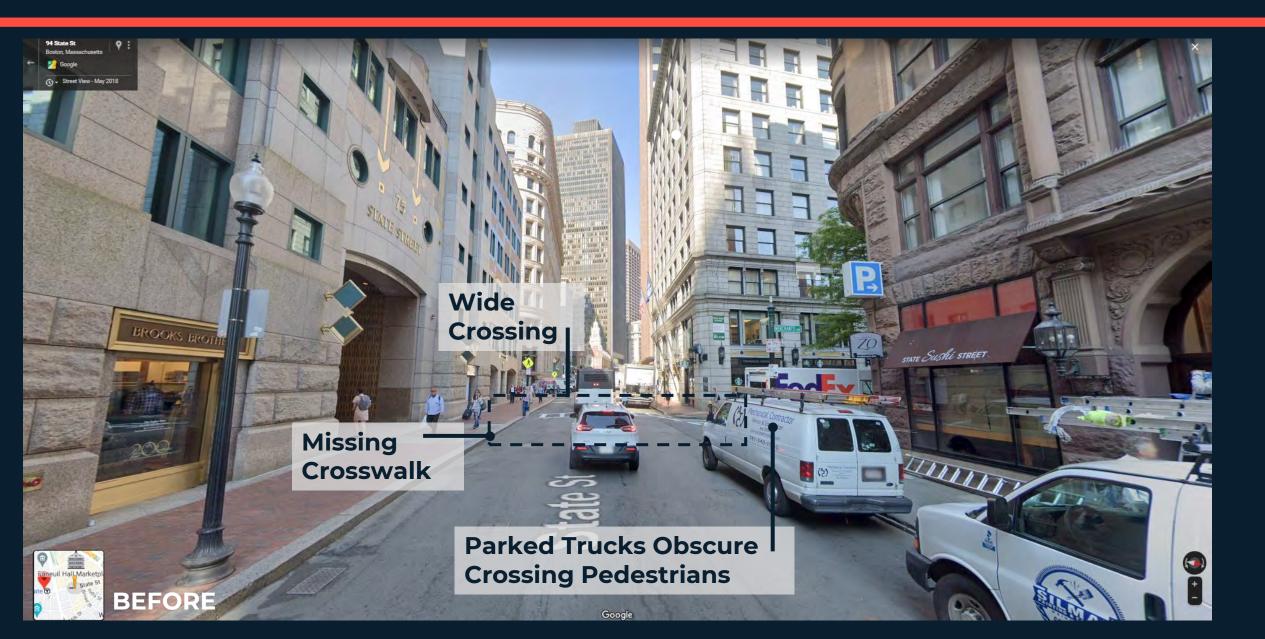
Wider and
Accessible
Sidewalk in Desire
Line







- WiderSidewalks
- RemoveParkingNext toBusyCrosswalk



Improved Lighting

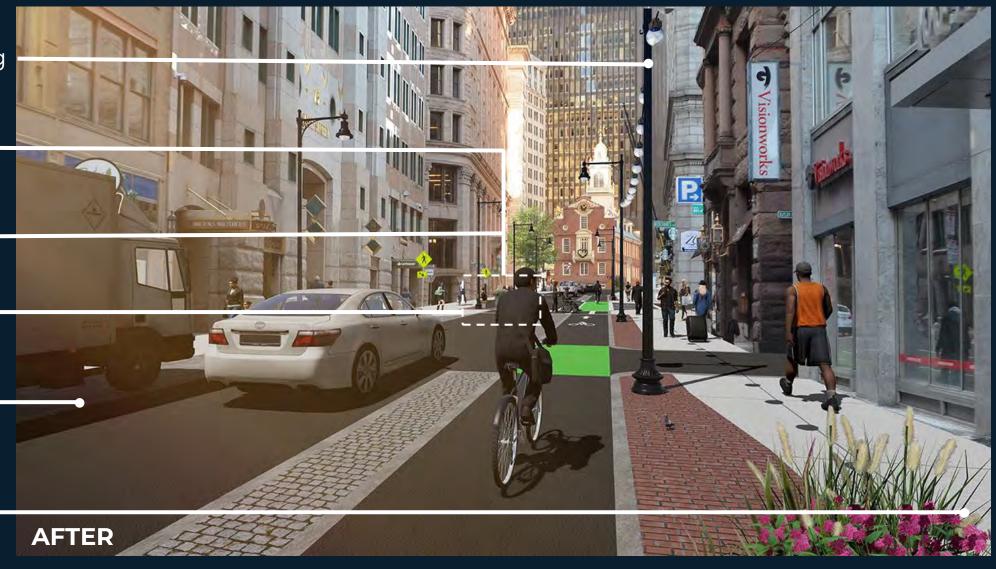
Crossings at Each Leg of Intersection

Flush Crossings

Narrowed Crossing -Distance

Parking Away **•** From Crossing

Wider and Accessible Sidewalks







April 2021 June 2022

Capacity on State Street is largely governed by the signal at Congress Street and the number of pedestrian crossings, not the number of travel lanes.



#### June 7, 2022 Peak Hour Travel Times





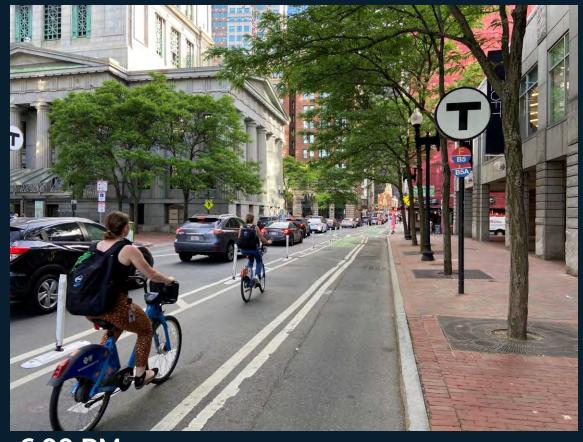


AM PEAK

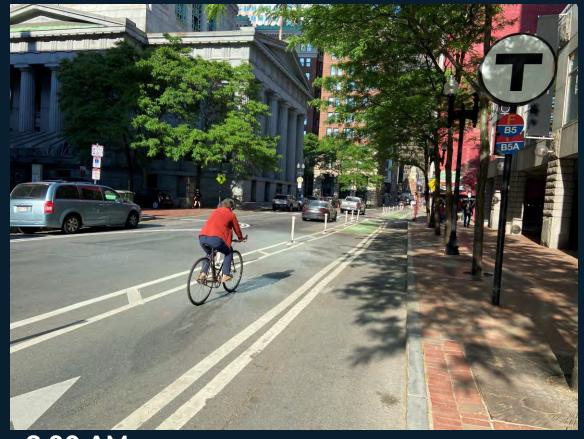
Min. 1 min. 50 sec. Max. 5 min. 52 sec. Avg. 3 min. 28 sec. NOON PEAK

Min. 1 min. 54 sec. Max. 4 min. 00 sec. Avg. 2 min. 58 sec. PM PEAK

Min. 5 min. 13 sec. Max. 6 min. 51 sec. Avg. 6 min. 11 sec.



6:00 PM



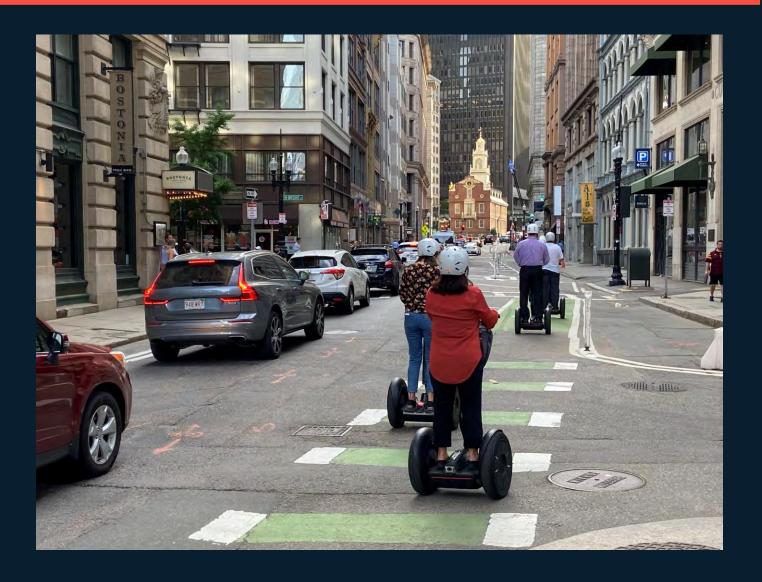
8:00 AM

20% of the Day

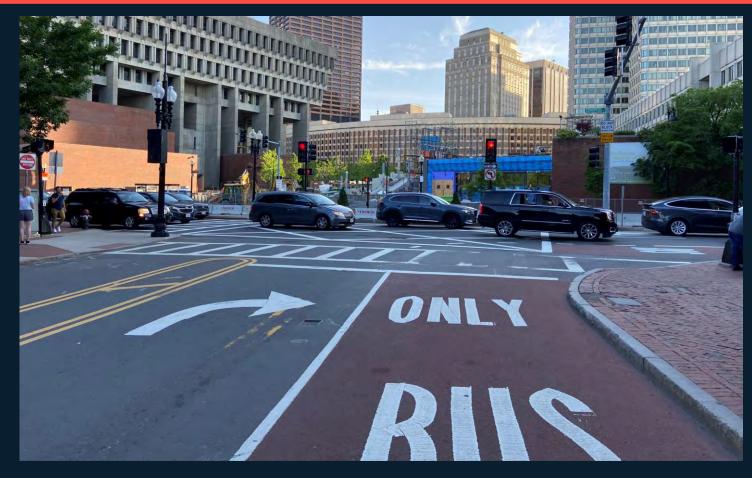
80% of the Day

#### **RECOMMENDED DESIGN: TRAFFIC ANALYSIS**

Traffic analyses were developed however the pilot project and data collection provides the best 'analysis' and understanding of project conditions over modeling which uses assumptions and forecasts.



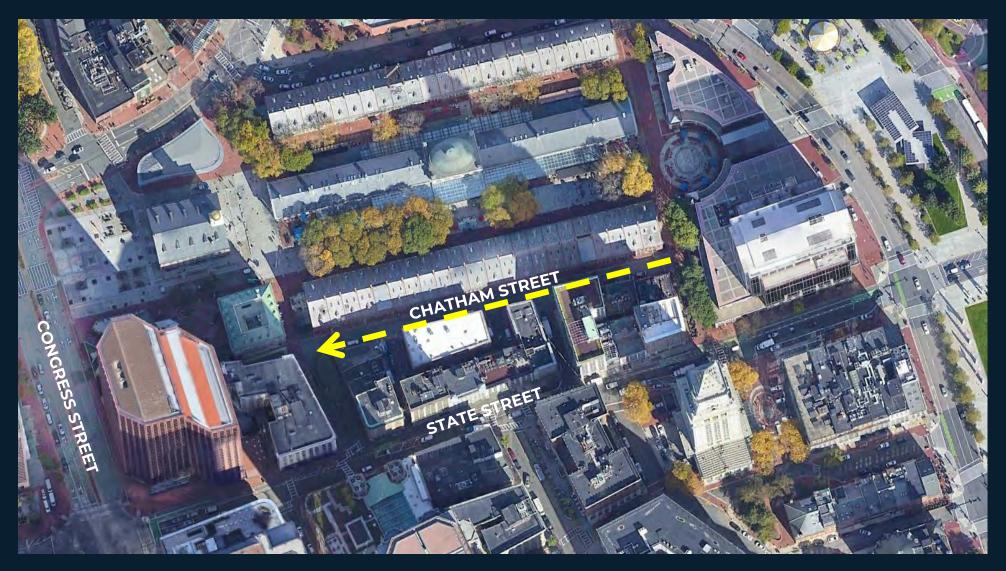
#### RECOMMENDED DESIGN: POTENTIAL HANOVER STREET MODIFICATION



- Potential Left Turn from Hanover Street
- Coordinate Feasibility with North Station/Seaport Project



#### **RECOMMENDED DESIGN: POTENTIAL CHATHAM ROW MODIFICATION**



• Reversing direction of Chatham Row will be considered

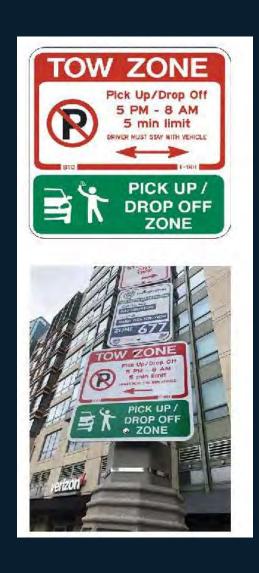
#### RECOMMENDED DESIGN: CURBSIDE USES THROUGHOUT AREA

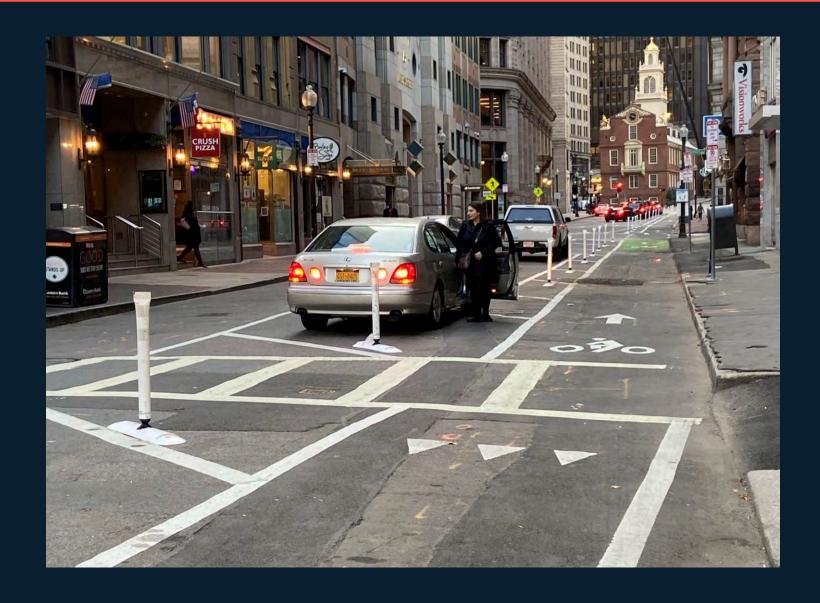


#### <u>LEGEND</u>

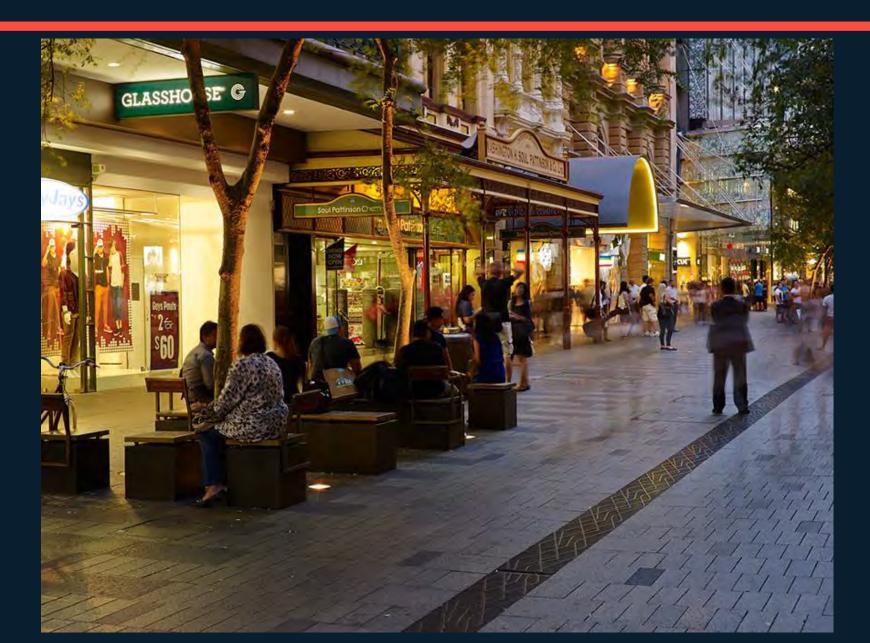


#### **RECOMMENDED DESIGN: MANAGING TNC AND PUDO ACTIVITY**





#### **RECOMMENDED DESIGN: STREET BEAUTIFICATION AND LIGHTING**





#### **NEXT STEPS:** PROJECT SCHEDULE

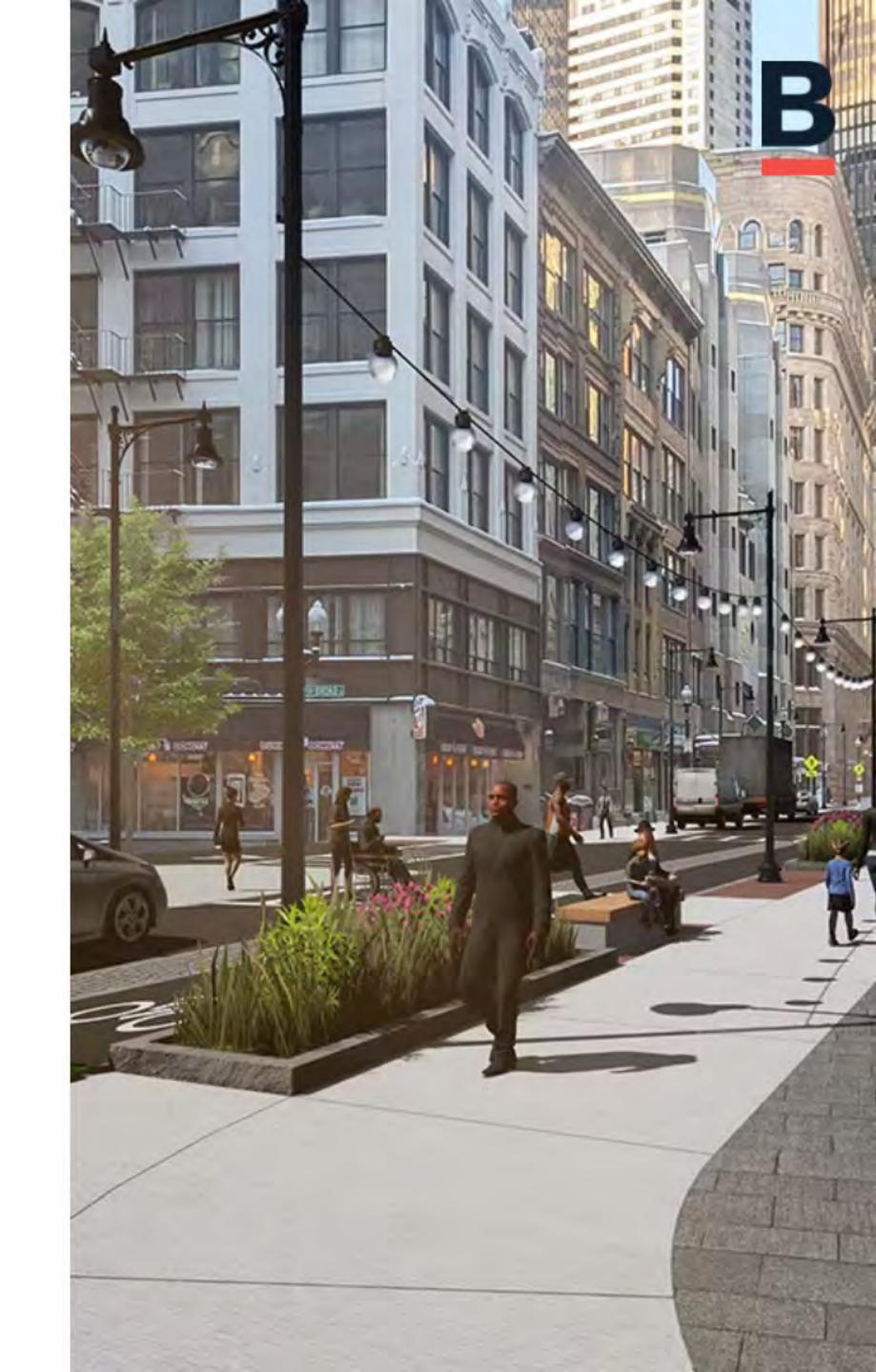
Initiate Final Design SUMMER 2022

Public Engagement ONGOING

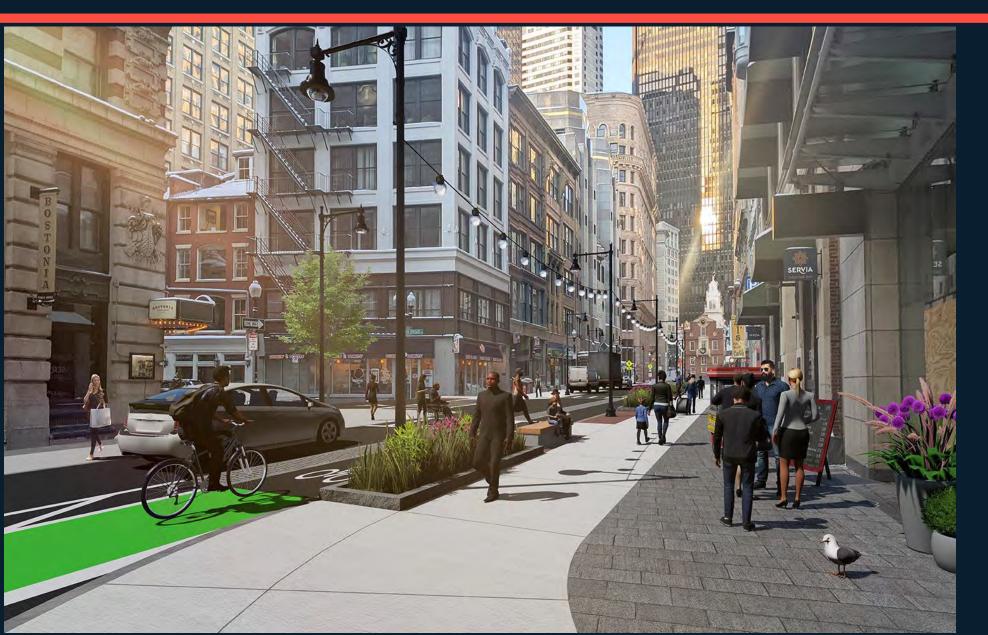
Advertise for Construction FALL 2023

## Your questions

# 61 questions 264 upvotes



#### **RECOMMENDED DESIGN:** A SAFE STREET DESIGNED FOR <u>ALL</u> USERS



#### REIMAGINING STATE STREET

**PROVIDE INPUT** 

BOSTON.GOV/STATE-STREET

#### For More Information:

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