



# Commercial Street Transportation Operations & Master Plan

## DRAFT Recommendations



**Waterfront Working Group, February 5, 2020**

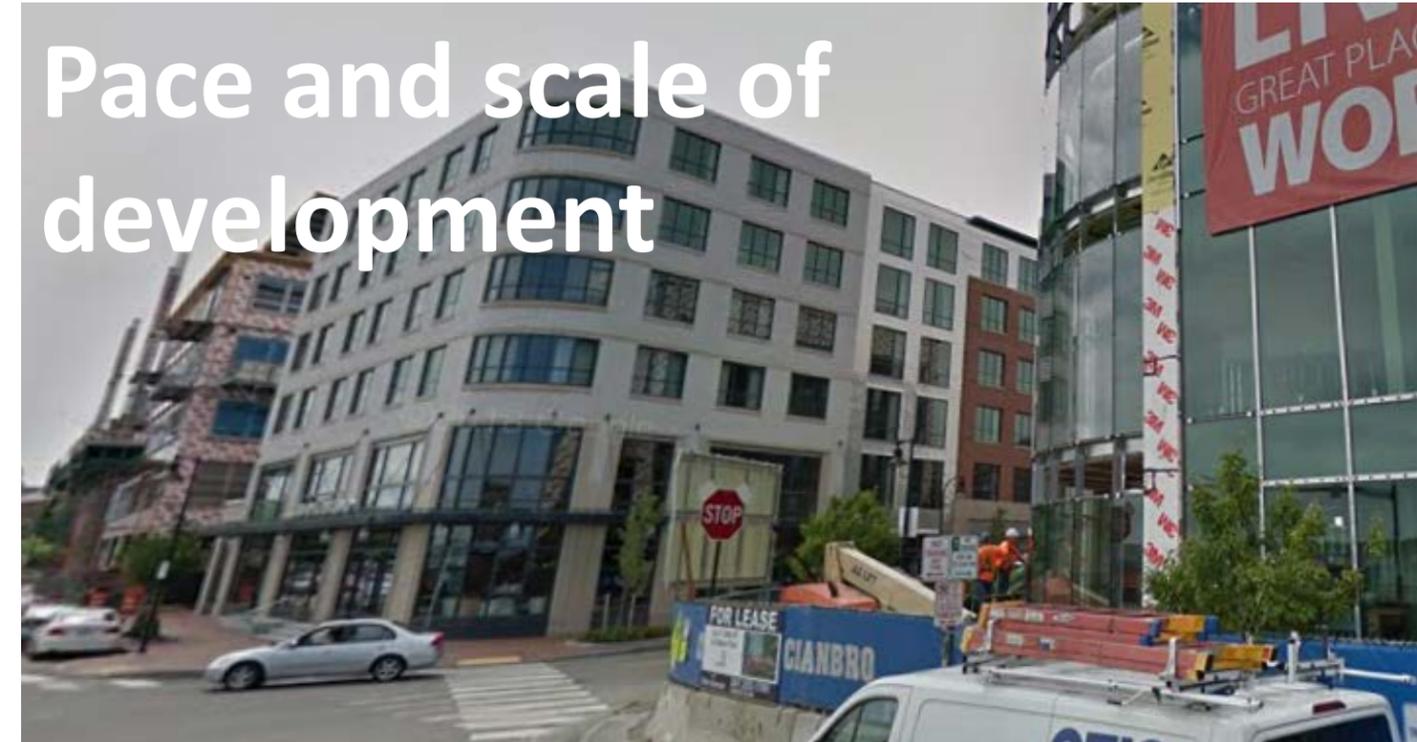
DRAFT

# Study Goals



- **Increase safety for all users**
- **Enhance access for working waterfront operations**
- **Address congestion points and improve traffic operations**

# What We've Heard



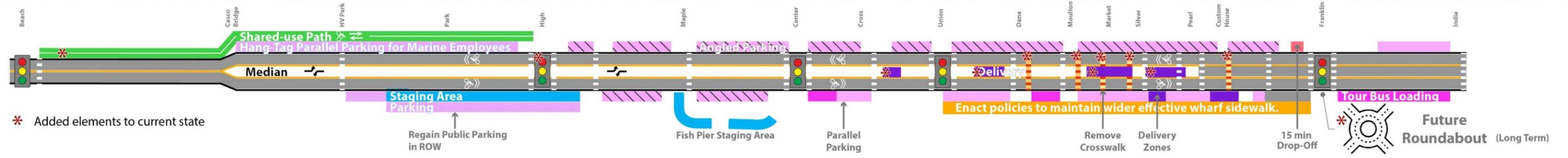
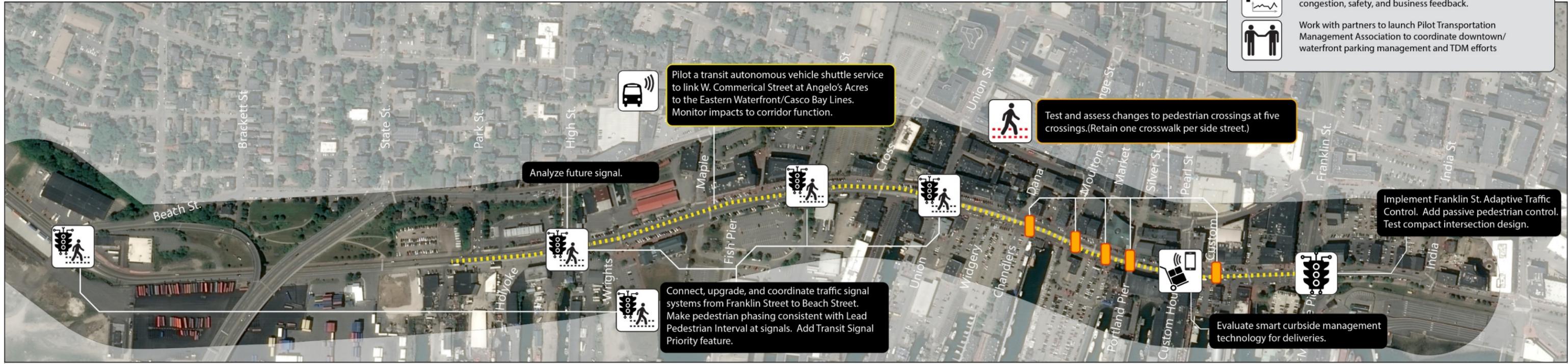
# Commercial Street Operations and Master Plan

## DRAFT Recommendations

**PARKING & TRANSPORTATION DEMAND MANAGEMENT**

- Collaborate with MaineDOT to implement (Variable-Message Sign) VMS signage on I-95 and I-295 to guide visitors to appropriate exits for their destinations (Exit 6 and 7, e.g. instead of Exit 4)
- Assess pricing of curbside parking to increase availability of curbside parking and increase use of lot/garage parking during peak season
- Monitor on-street and off-street parking occupancy, congestion, safety, and business feedback.
- Work with partners to launch Pilot Transportation Management Association to coordinate downtown/waterfront parking management and TDM efforts

**SMART CITY** Applications of technology and management to improve operations and travel time reliability.

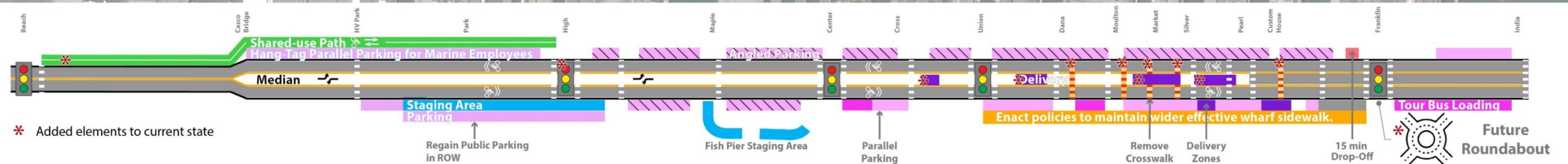
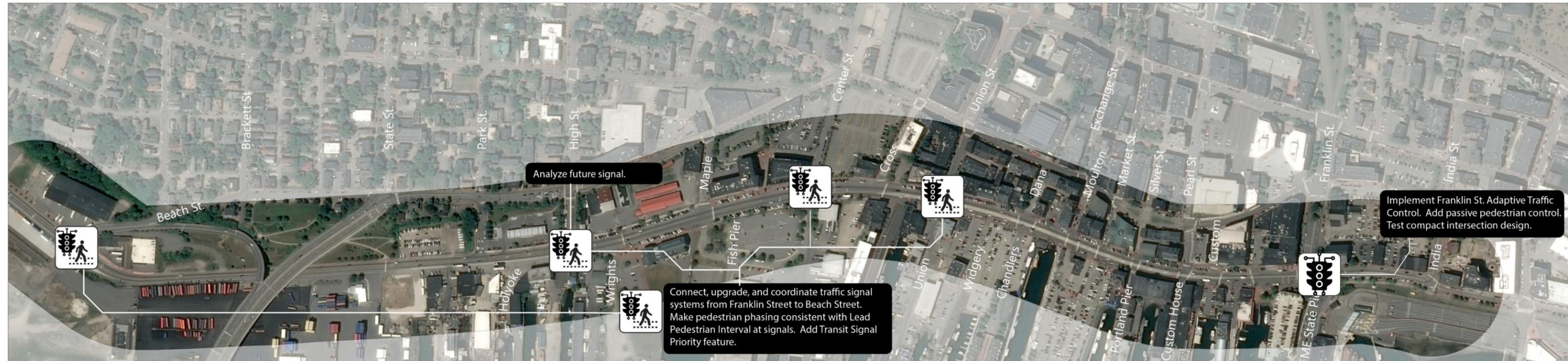


DRAFT

# Commercial Street Operations and Master Plan

## DRAFT Recommendations: Upgrade signals

**SMART CITY** Applications of technology and management to improve operations and travel time reliability.

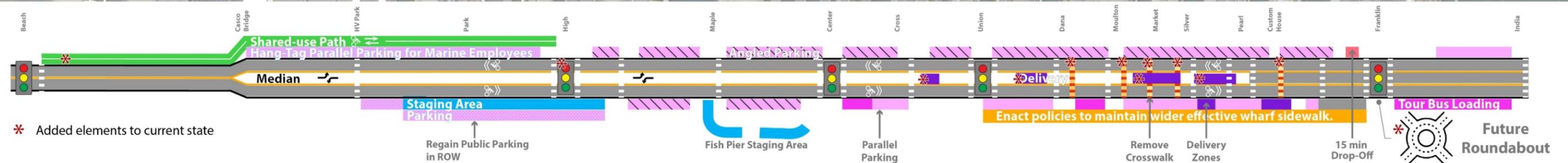


DRAFT

# Commercial Street Operations and Master Plan

## DRAFT Recommendations: Pilot AV shuttle

**SMART CITY** Applications of technology and management to improve operations and travel time reliability.

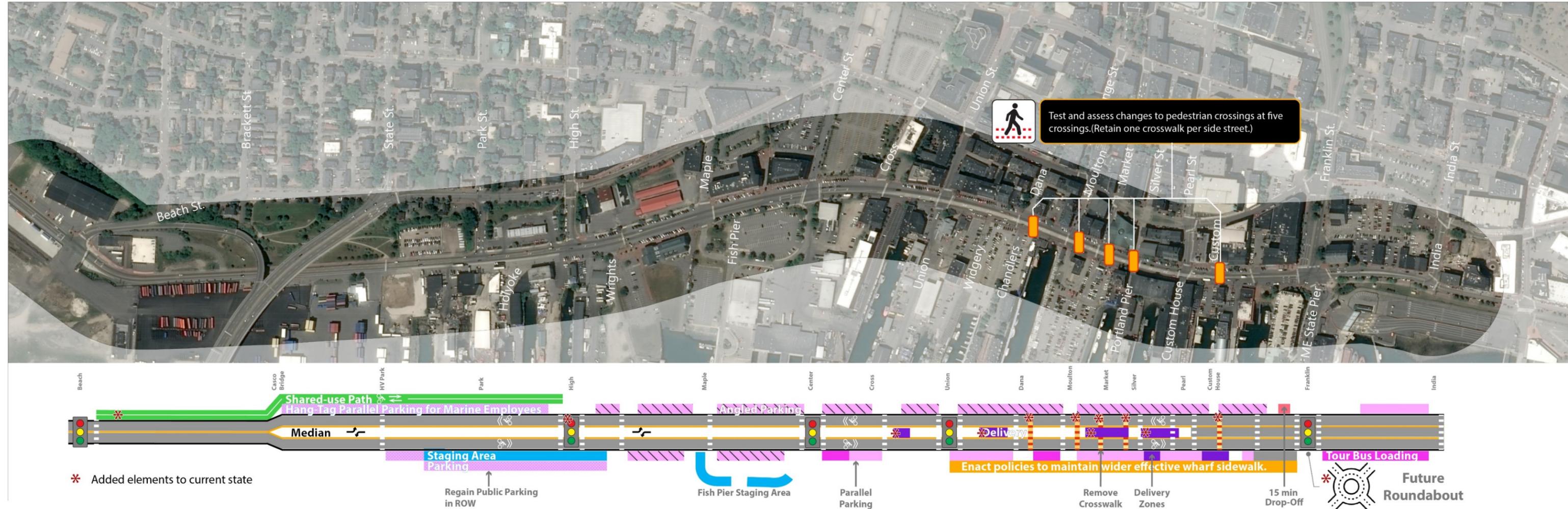


DRAFT

# Commercial Street Operations and Master Plan

## DRAFT Recommendations: Consolidate crosswalks

**SMART CITY** Applications of technology and management to improve operations and travel time reliability.



DRAFT

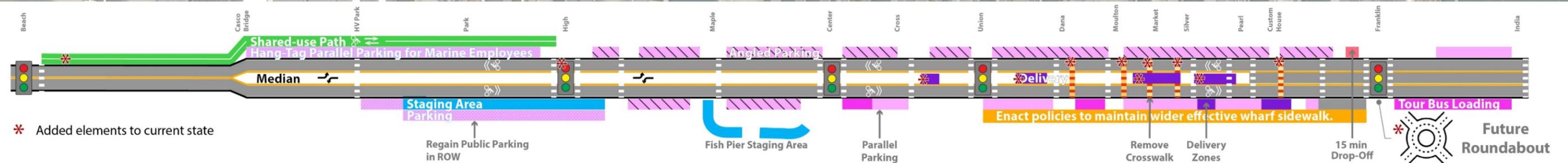
# Commercial Street Operations and Master Plan

# DRAFT Recommendations: Manage demand

## PARKING & TRANSPORTATION DEMAND MANAGEMENT

-  Collaborate with MaineDOT to implement (Variable-Message Sign) VMS signage on I-95 and I-295 to guide visitors to appropriate exits for their destinations (Exit 6 and 7, e.g. instead of Exit 4)
-  Assess pricing of curbside parking to increase availability of curbside parking and increase use of lot/garage parking during peak season
-  Monitor on-street and off-street parking occupancy, congestion, safety, and business feedback.
-  Work with partners to launch Pilot Transportation Management Association to coordinate downtown/waterfront parking management and TDM efforts

**SMART CITY** Applications of technology and management to improve operations and travel time reliability.



DRAFT

# Commercial Street Operations and Master Plan

## DRAFT Recommendations

**BICYCLIST COMFORT, SAFETY & ACCESS**

- Add bike racks
- As street design projects move forward, monitor cyclist usage and crash events, consider separated or protected facilities as warranted

**TRANSIT SERVICE**

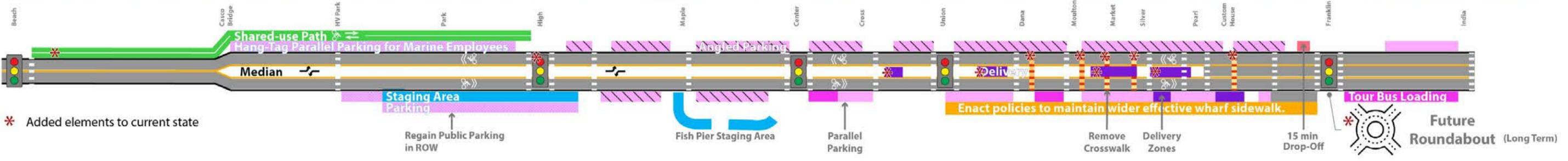
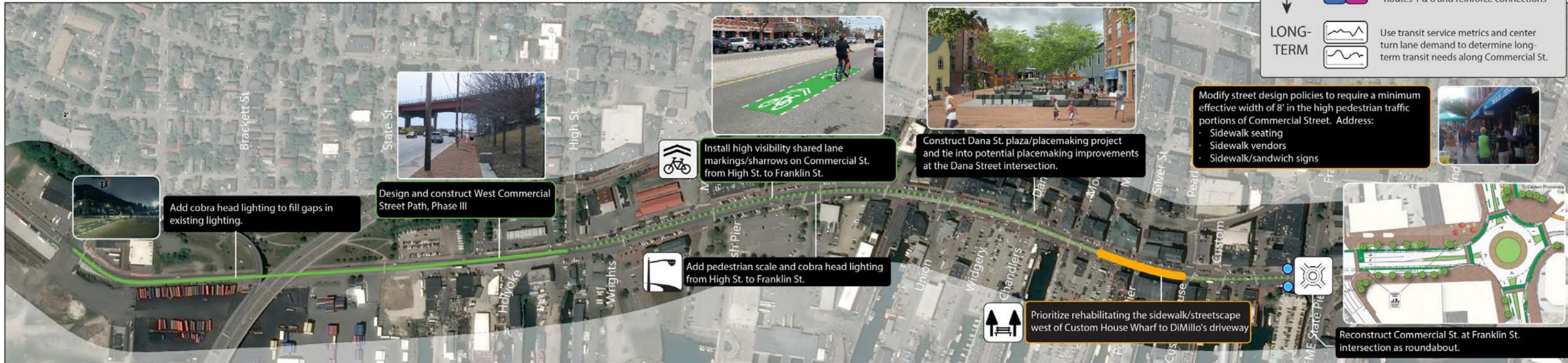
SHORT-TERM

- Assess near-term transit needs in concert with METRO Reboot for Routes 1 & 8. Coordinate with AV Shuttle pilot.
- Assist METRO with potential bus stop locations to serve the Eastern Waterfront.

LONG-TERM

- Implement Reboot service changes for Routes 1 & 8 and reinforce connections
- Use transit service metrics and center turn lane demand to determine long-term transit needs along Commercial St.

**GREAT STREET** Recommendations to improve infrastructure, safety and streetscape and reinforce historic character.

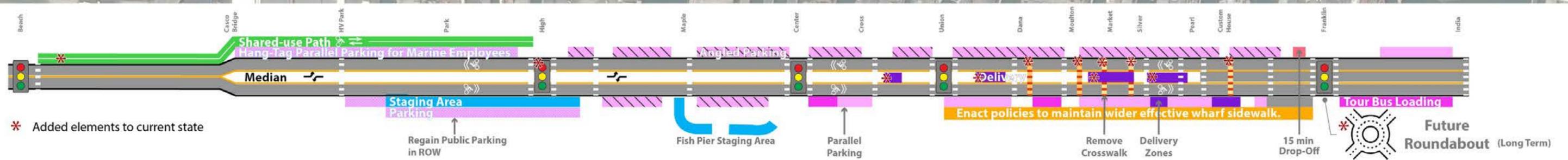


DRAFT

# Commercial Street Operations and Master Plan

# DRAFT Recommendations: Expand effective sidewalk width

**GREAT STREET** Recommendations to improve infrastructure, safety and streetscape and reinforce historic character.



DRAFT

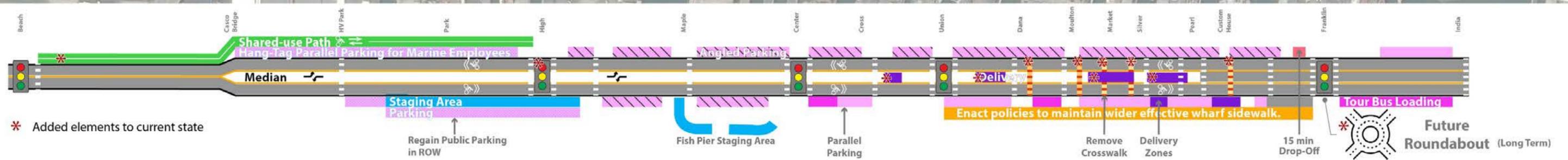
# Commercial Street Operations and Master Plan

# DRAFT Recommendations: Provide bike facilities

**BICYCLIST COMFORT, SAFETY & ACCESS**

-  Add bike racks
-  As street design projects move forward, monitor cyclist usage and crash events, consider separated or protected facilities as warranted

**GREAT STREET** Recommendations to improve infrastructure, safety and streetscape and reinforce historic character.



DRAFT

# Commercial Street Operations and Master Plan

# DRAFT Recommendations: Consider transit access

**TRANSIT SERVICE**

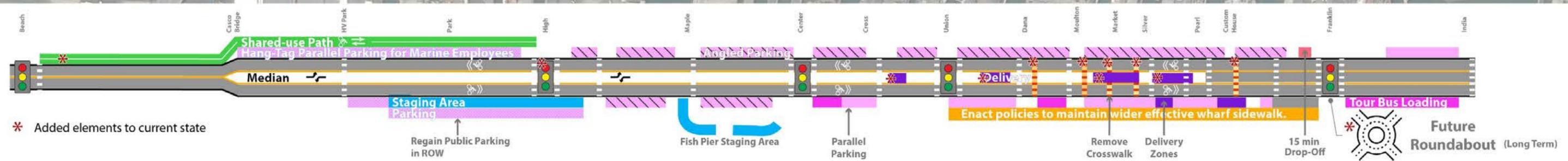
**SHORT-TERM**

- Assess near-term transit needs in concert with METRO Reboot for Routes 1 & 8. Coordinate with AV Shuttle pilot.
- Assist METRO with potential bus stop locations to serve the Eastern Waterfront.

**LONG-TERM**

- Implement Reboot service changes for Routes 1 & 8 and reinforce connections
- Use transit service metrics and center turn lane demand to determine long-term transit needs along Commercial St.

**GREAT STREET** Recommendations to improve infrastructure, safety and streetscape and reinforce historic character.

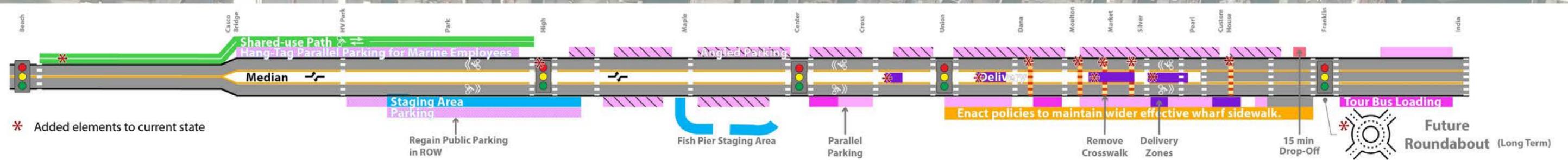
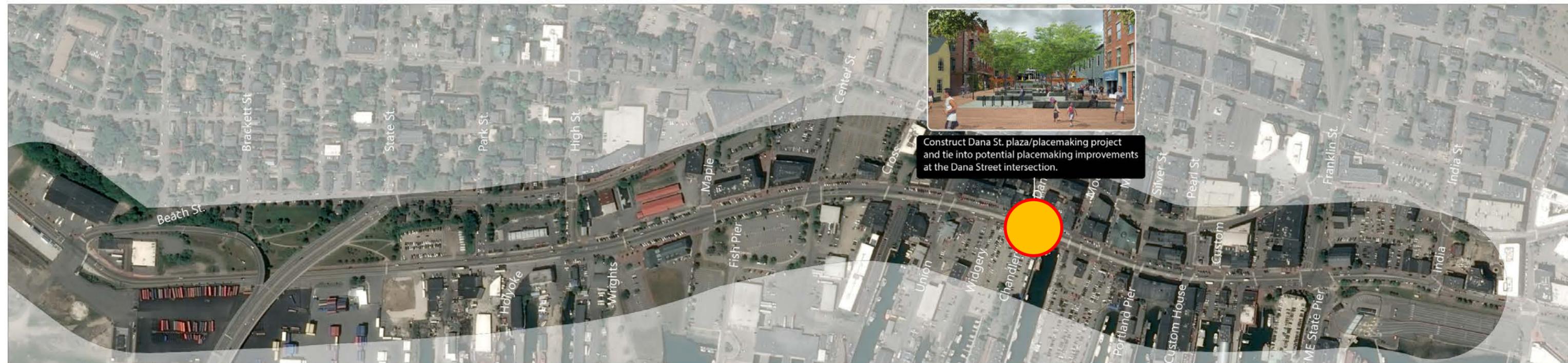


DRAFT

# Commercial Street Operations and Master Plan

# DRAFT Recommendations: Construct Dana Street placemaking project

**GREAT STREET** Recommendations to improve infrastructure, safety and streetscape and reinforce historic character.

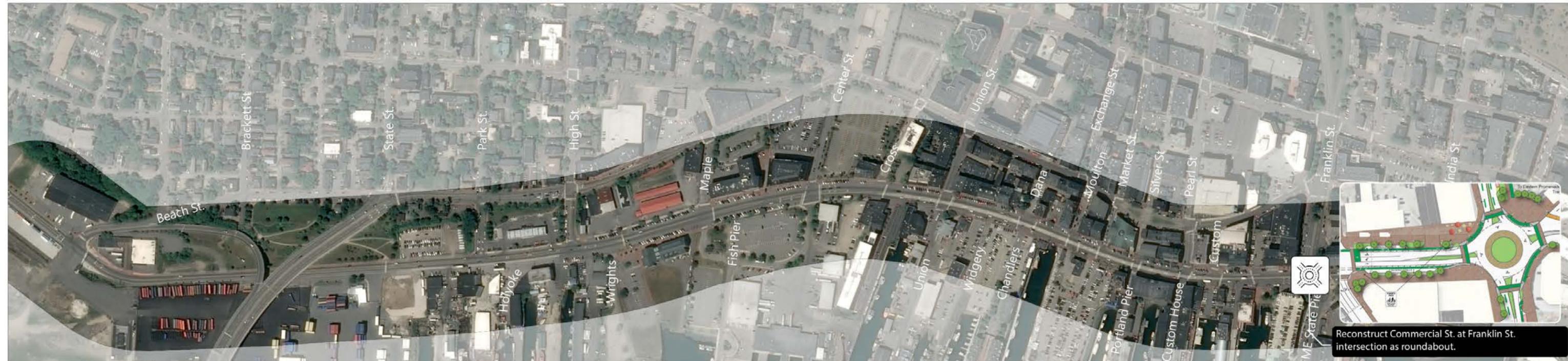


DRAFT

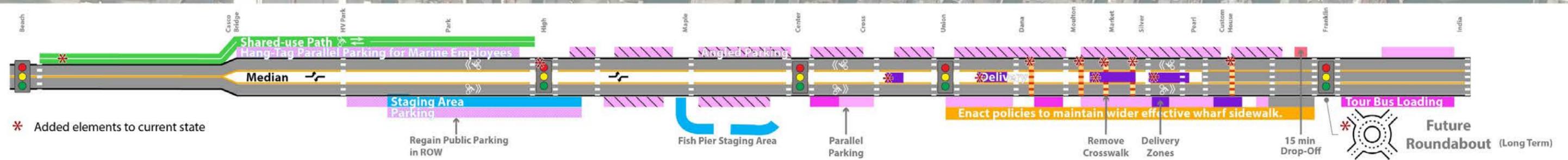
# Commercial Street Operations and Master Plan

# DRAFT Recommendations: Reconstruct Commercial St./Franklin St.

**GREAT STREET** Recommendations to improve infrastructure, safety and streetscape and reinforce historic character.



Reconstruct Commercial St. at Franklin St. intersection as roundabout.



DRAFT

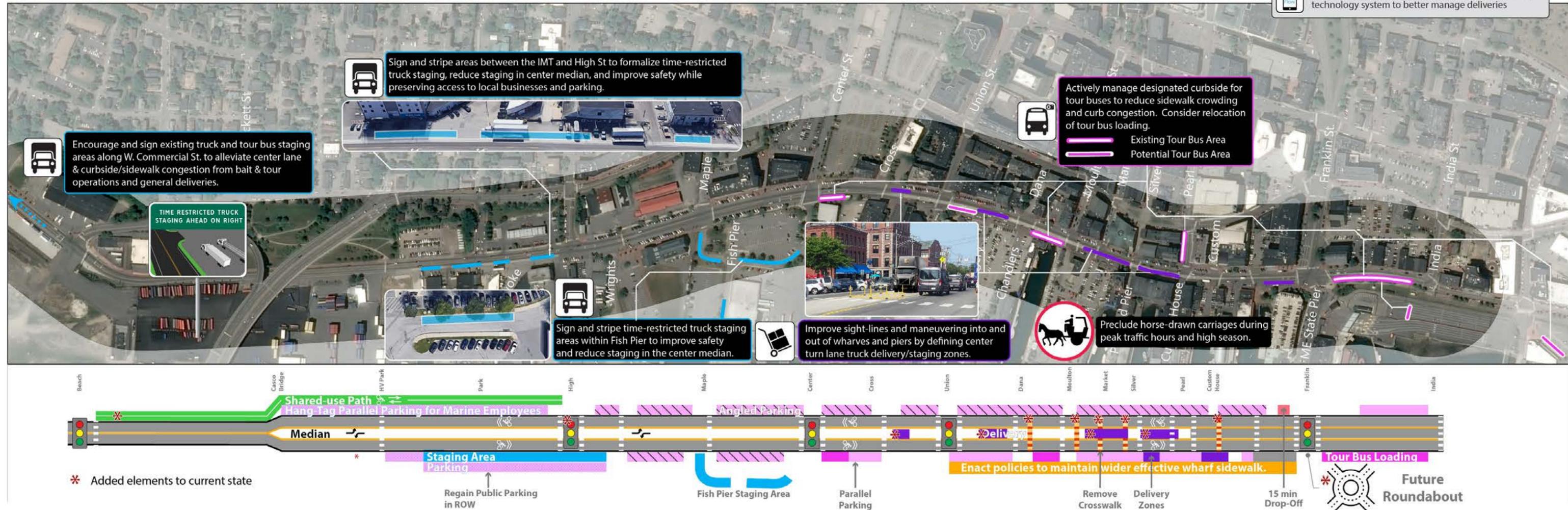
# Commercial Street Operations and Master Plan

## DRAFT Recommendations

**GENERAL DELIVERIES**

- Add center lane pavement markings to designate allowed delivery zones (20' offset from crosswalks)
- Survey businesses to identify potential time-restricted delivery windows for businesses
- Consult with distributors and delivery providers to track volumes and locations over the course of a day to refine potential time-restrictions
- Assess opportunities to deploy curbside reservation/technology system to better manage deliveries

### THRIVING WATERFRONT Actions to maintain a thriving working waterfront and improve economic activity.

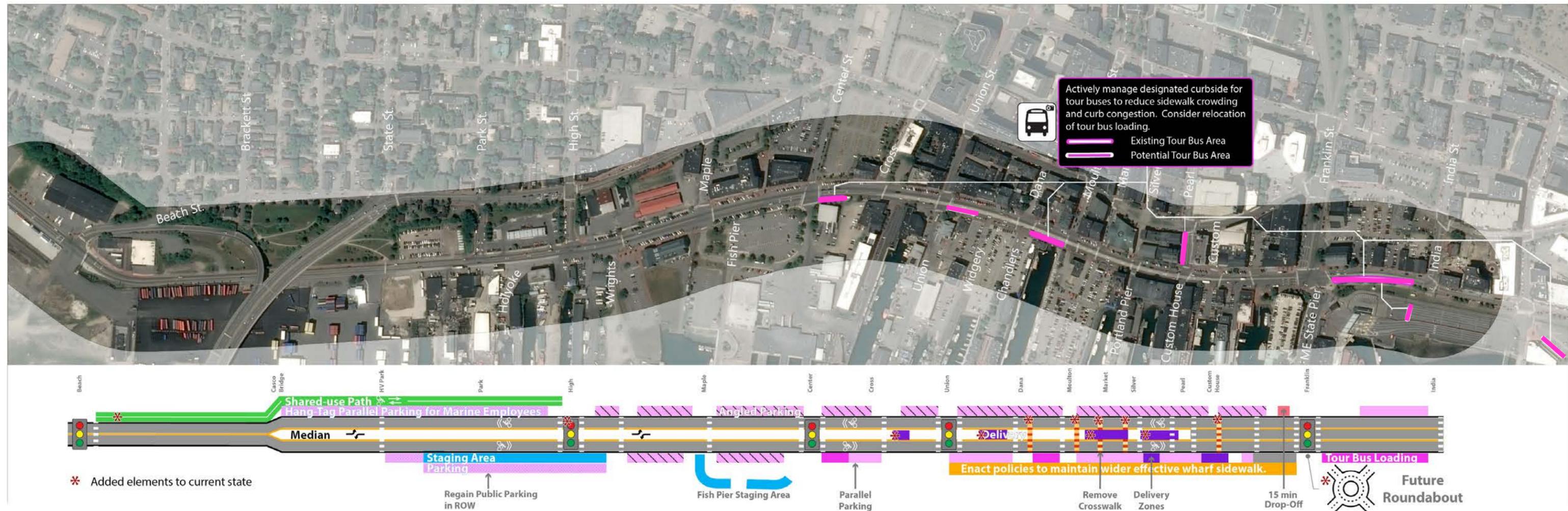


DRAFT

# Commercial Street Operations and Master Plan

# DRAFT Recommendations: Manage tour bus loading

## THRIVING WATERFRONT Actions to maintain a thriving working waterfront and improve economic activity.

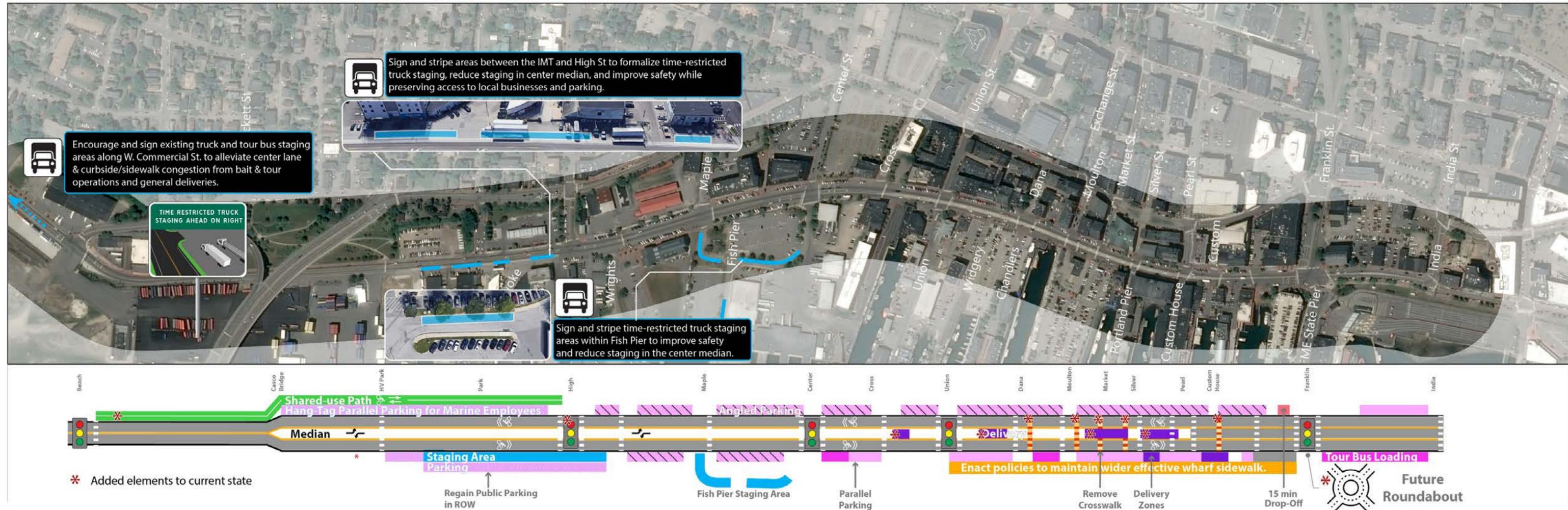


DRAFT

# Commercial Street Operations and Master Plan

## DRAFT Recommendations: Develop staging areas

### THRIVING WATERFRONT Actions to maintain a thriving working waterfront and improve economic activity.



DRAFT

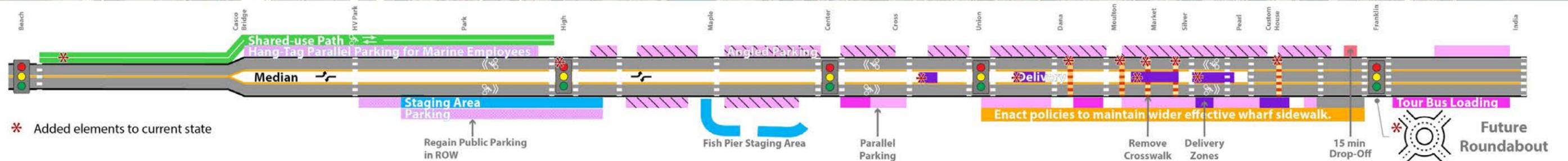
# Commercial Street Operations and Master Plan

# DRAFT Recommendations: Manage deliveries

**GENERAL DELIVERIES**

- Add center lane pavement markings to designate allowed delivery zones (20' offset from crosswalks)
- Survey businesses to identify potential time-restricted delivery windows for businesses
- Consult with distributors and delivery providers to track volumes and locations over the course of a day to refine potential time-restrictions
- Assess opportunities to deploy curbside reservation/technology system to better manage deliveries

## THRIVING WATERFRONT Actions to maintain a thriving working waterfront and improve economic activity.

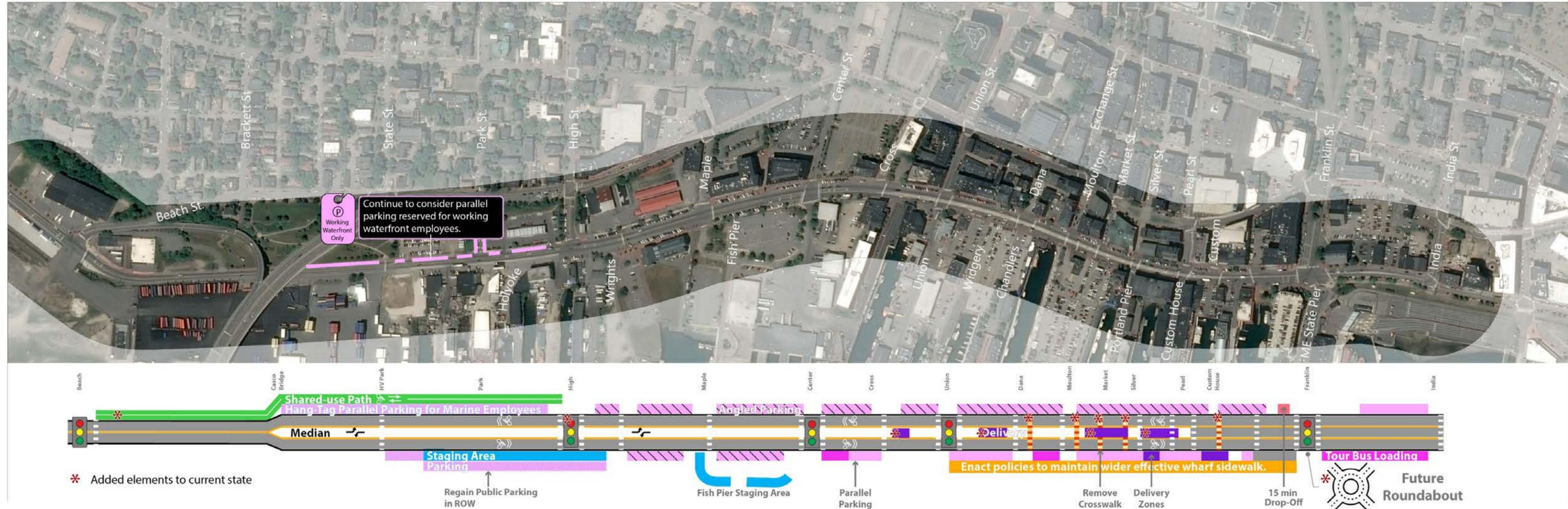


DRAFT

# Commercial Street Operations and Master Plan

## DRAFT Recommendations: Consider designated parking

### THRIVING WATERFRONT Actions to maintain a thriving working waterfront and improve economic activity.



DRAFT

# Proposed Short-term / Pilot Actions



**Traffic Signal System Enhancements:**  
Franklin Street to Beach Street

**Pilot/Monitor/Evaluate Program:**

- Remove 5 Pedestrian Crossings
- Designate Center Turn Lane Delivery Zones
- Franklin/Commercial Street Intersection Efficiency Modifications
- Modify Tour Bus/Trolley Loading Locations

**Autonomous Vehicle Shuttle:**

Angelo's Acres to Casco Bay Lines Ferry Terminal