

MELNEA CASS BOULEVARD DESIGN PROJECT

PUBLIC INFORMATION MEETING

November 10, 2016



CITY OF BOSTON
Office of the Mayor
Martin J. Walsh



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Engineers + Planners

- **Project History Highlights**
- **Complete Streets and a People-centered Roadway Project**
 - What is a Complete Street
 - Traffic Calming and Vision Zero
 - Bicycle Improvements
 - Pedestrian Improvements
- **Project Schedule**
- **Question and Answer Session**

Project History Highlights



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Date	Milestones
2011	Project Introduction – Beginning of Design Supported by Roxbury Strategic Master Plan
2013	Non-BRT Alternative Developed
2014-2015	Continued Public Engagement and Design Development
Summer 2016	Full Funding Approval for Design and Construction
Biweekly as of August 2016 (6 Meetings)	Preliminary Design Coordination Meetings with the Friends of Melnea Cass Boulevard
November 10, 2016	Public Informational Meeting for Preliminary Design

Project Schedule



Date	Milestones
July 2017	25% Design Submission
October 2017	25% Design Public Hearing
January 2018	75% Design Submission
April 2018	100% Design Submission
August 2018	Project Advertisement
November 2018	Begin Construction

Changing the Character of Melnea Cass Blvd.

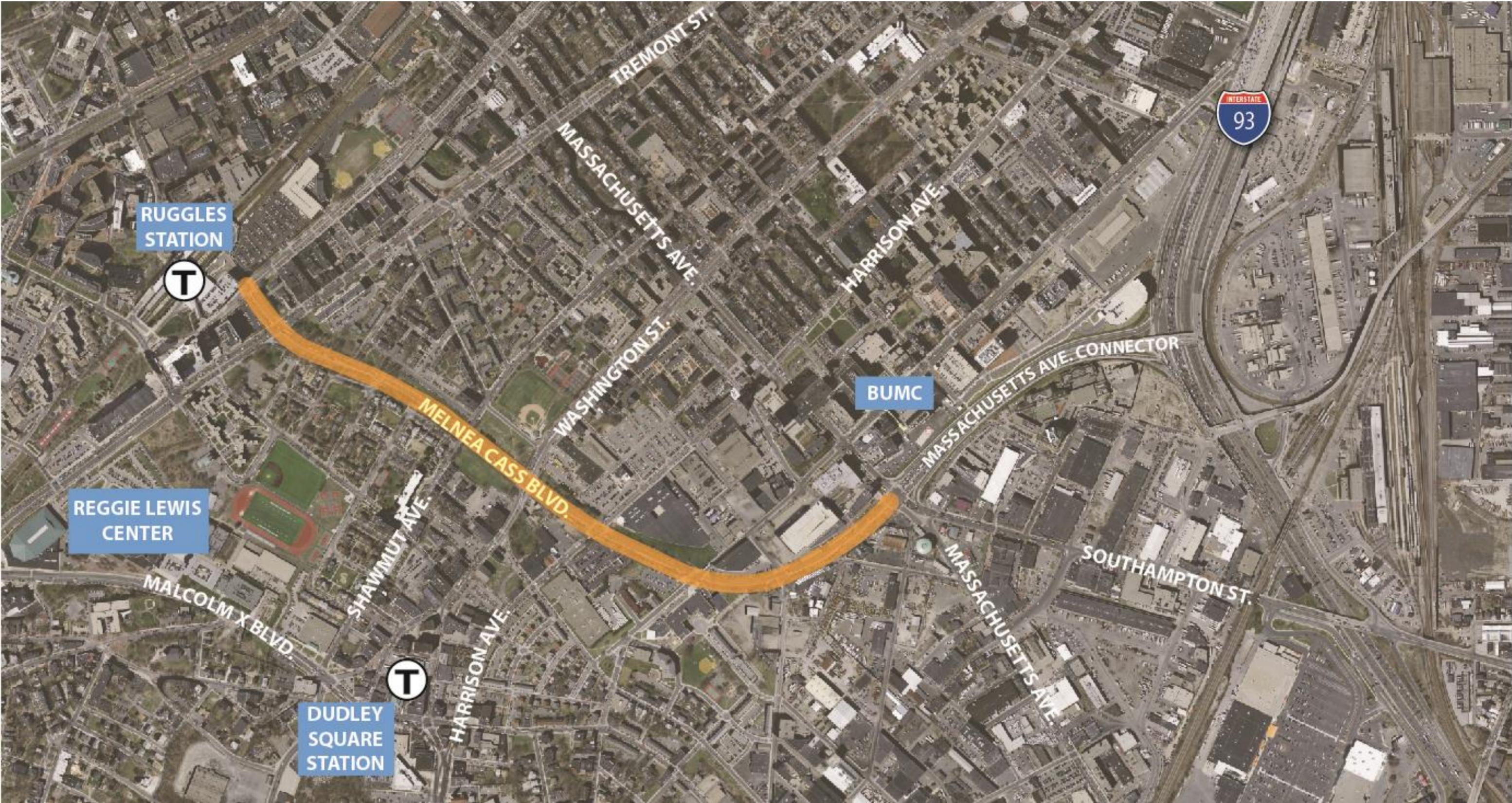


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- **Additional Time for Pedestrian Crossing**
- **Reduced Conflicts Among All Modes**
- **Reduced Vehicle Speeds**
- **Increased Tree Count**
- **Create a Gateway Entrance to the Roxbury and South End Neighborhoods**
- **Improve Connectivity**
- **Setting the Stage for Economic Vibrancy**

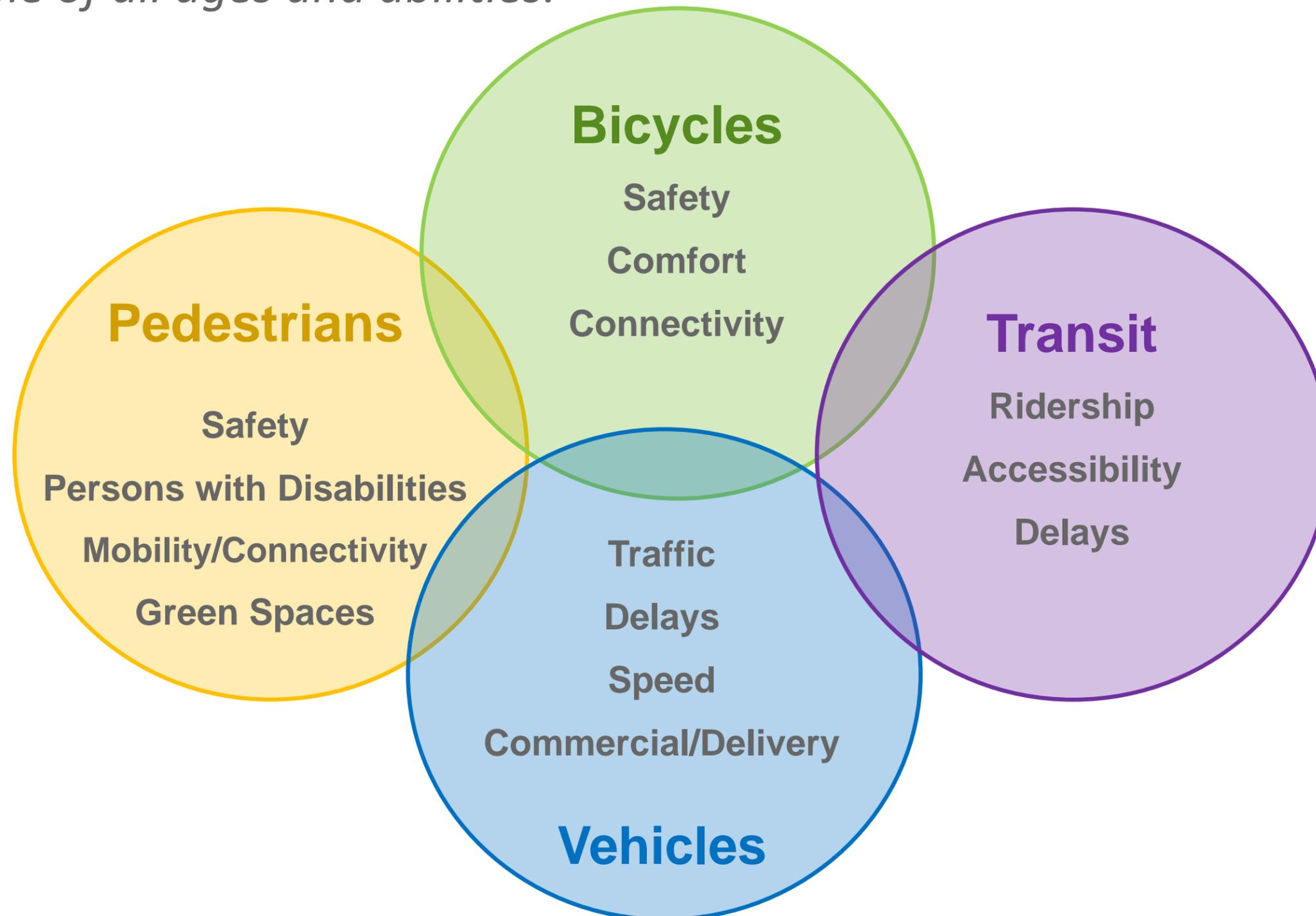
Project Location



What is a Complete Streets?



***Complete Streets Defined:** A Complete Street is one that provides safe and accessible options for all travel modes – walking, biking, transit and vehicles – for people of all ages and abilities.*



Quality of Life*

- From 2001-2009 16-34 year olds were driving less and walking, biking and using transit more
- 56.7 million Americans (over 18%) have some type of disability
- By 2025 nearly 1 in 5 Americans will be 65 or older

Active Living*

- 40% of all trips are less than two miles in length which represents a 30 minute walk
- 30% of all children between the ages of 3 to 19 are considered obese

Environment*

- Motor vehicle emissions represent 31% of the Carbon Dioxide produced
- Landscaping such as trees help remove Carbon Dioxide
- “Green” stormwater management techniques can help create additional green space while effectively treating runoff

Economic Benefit*

- Americans spend 18 cents of every dollar on transportation
- Allows businesses to thrive

Safety*

- Well designed bicycle facilities help reduce injury and crash risks by about 50%
- More than 40% of pedestrian facilities occurred at locations with no crosswalks

* National Values and Numbers

- **Protected Intersections**
 - Goals and Benefits
 - *Physical Separation*
 - *Improves Visibility*
 - *Bicycle Signals*
 - *Remove Conflicts*
- **Minimize Curb Radius**
 - Communicate Right-of-Way
- **2015 MassDOT Separated Bike Lane Planning and Design**

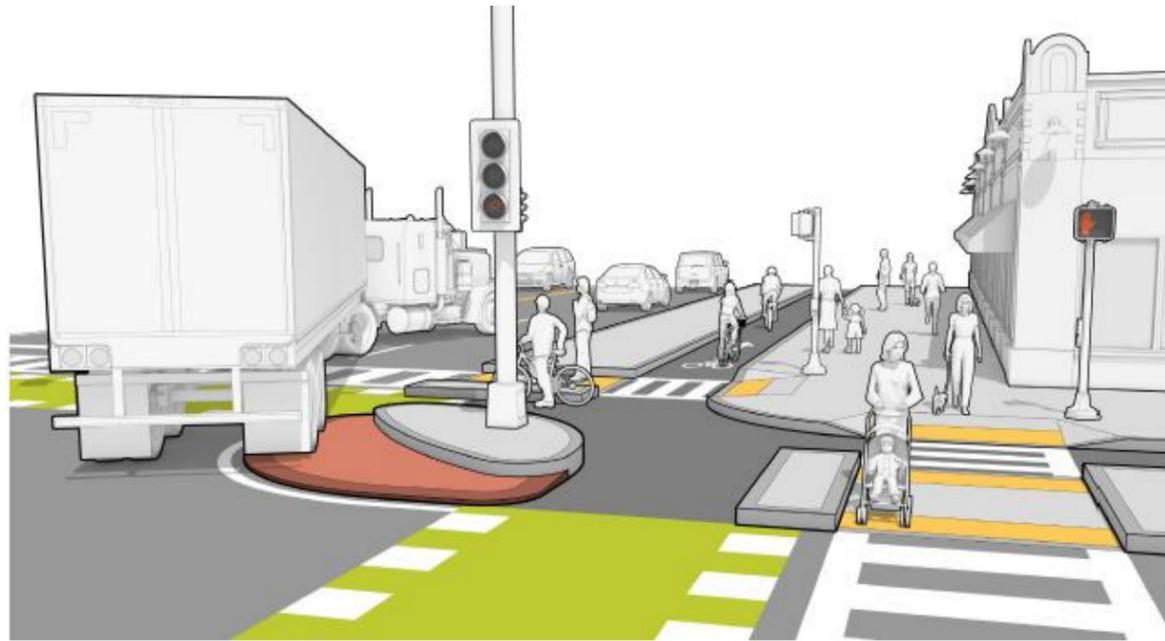


Implementation of Protected Intersections

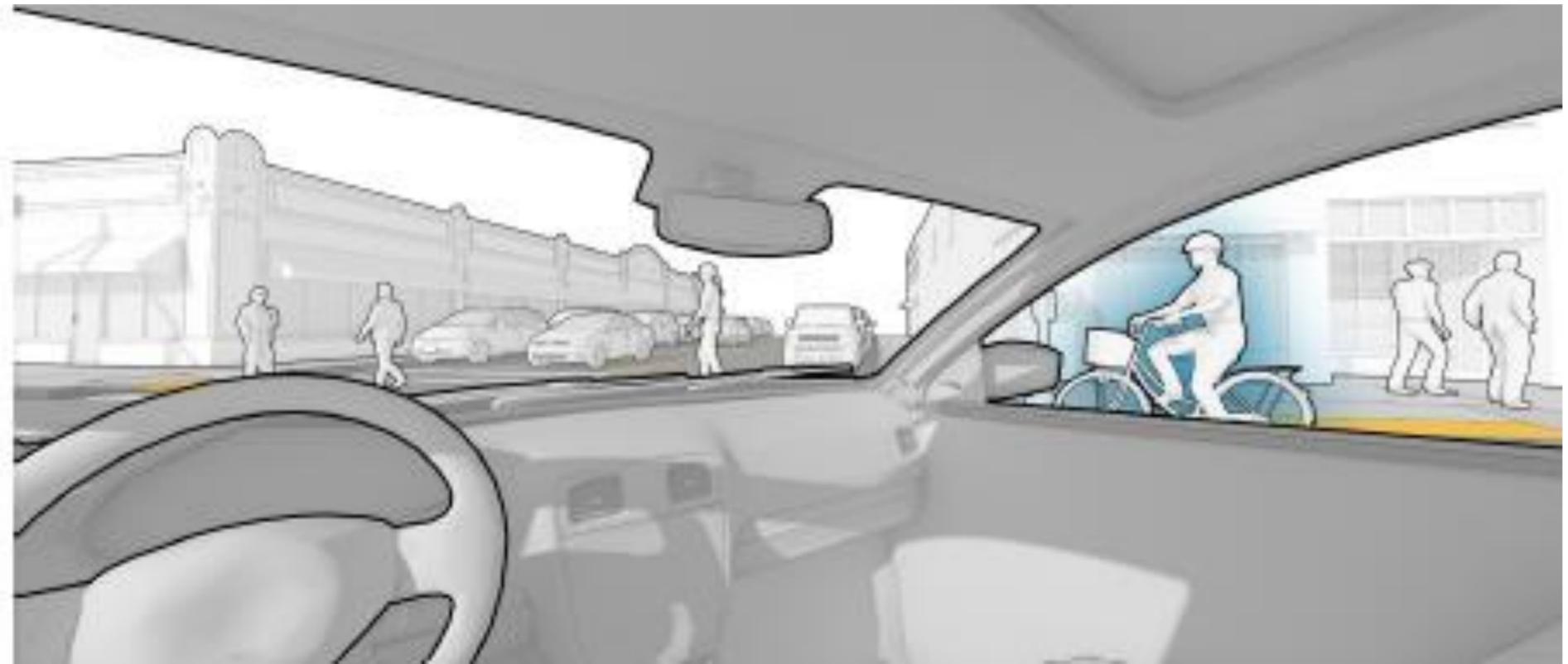
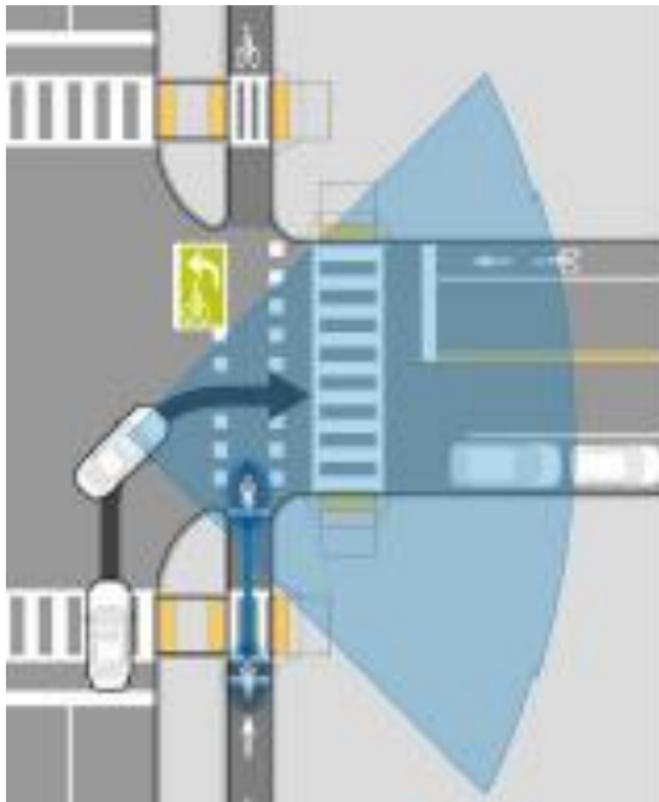


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MOTORIST'S VIEW AT SEPARATED BIKE LANE



■ Traffic Coordination and Speed

- Optimized Signal Coordination for 25 mph
- Radar Speed Signs – Help Encourage Posted Speeds

■ Raised Intersections

- Increased Pedestrian and Bicycle Crossing Presence and Accessibility
- Helps to Maintain Speed Limit

■ Landscaped Median

- Helps to Reduce Speeds by Providing a Shift in Roadway Alignment and Introduces Side Friction
- Provides a pedestrian refuge



Components of a Raised Intersection

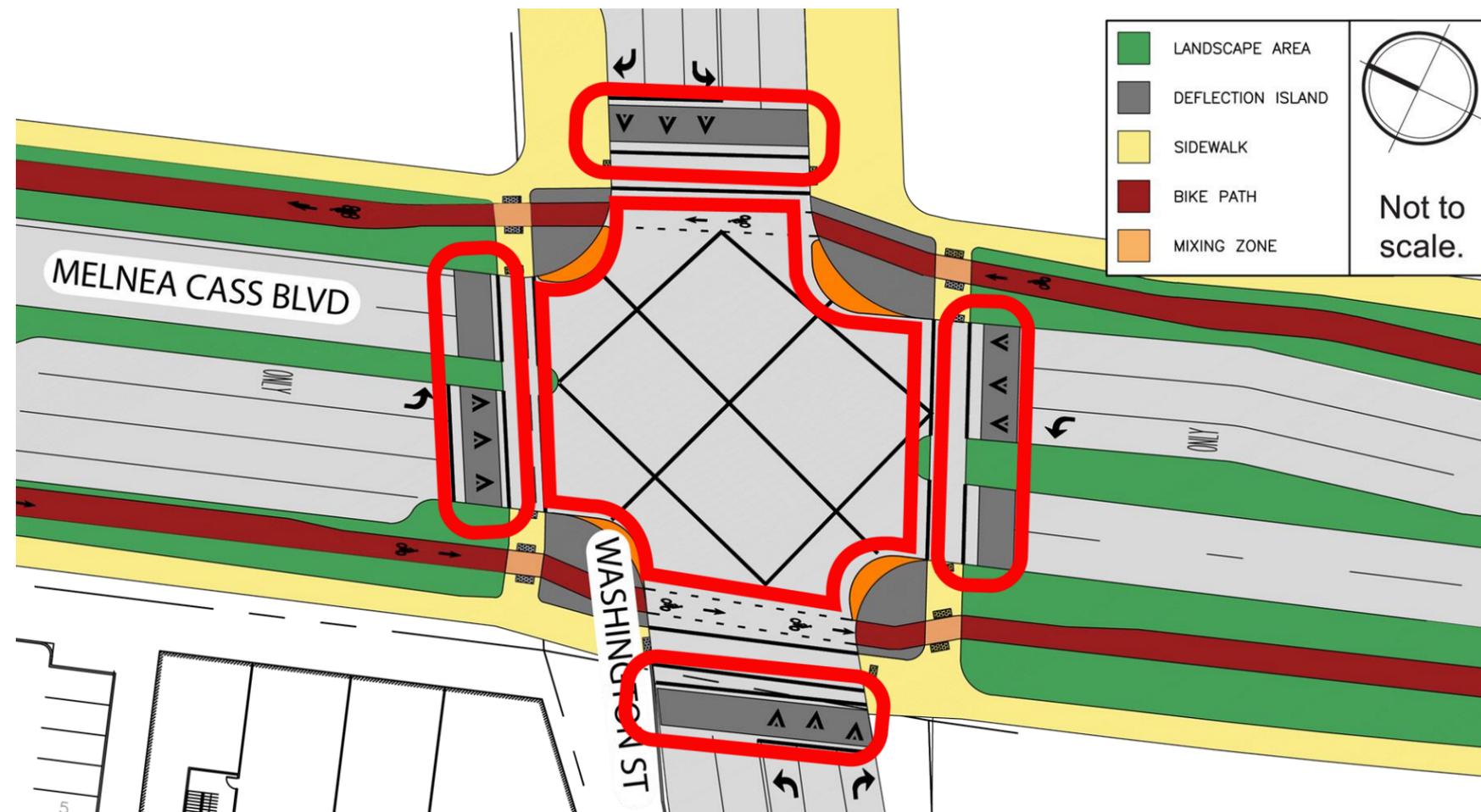


■ Ramp

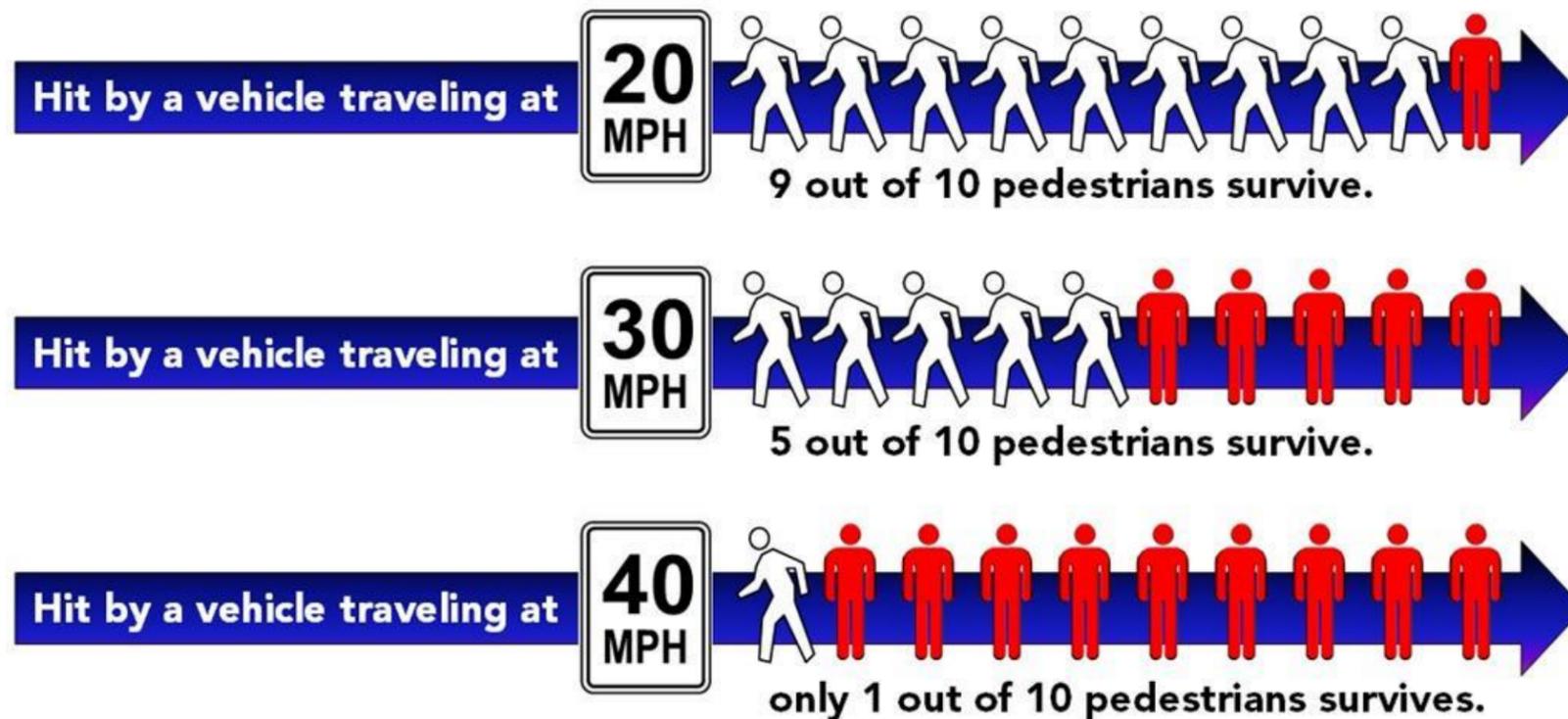
- Designed to help encourage driving at posted speeds
- Creates visual cue with pavement markings and signage

■ Surface Treatment

- Creates visual cue and presence
- Can use alternate surface treatments and color to stand out



- Protected Intersections
- Reduced Pedestrian Delay
- Recalculated Pedestrian Signal Intervals
- Expanded and Reconstructed Sidewalks



Everyone is a PEDESTRIAN

4,743 pedestrians were killed in traffic crashes in 2012.

76,000 pedestrians were injured in traffic crashes in 2012.

3 out of 4 pedestrian fatalities occurred outside of daylight hours.

8 out of 10 pedestrian fatalities occurred outside of intersections.

21% of children under age 16 were killed in traffic crashes, compared to 14% for ages 16 and older.

Source: FARS 2012

Bicycle Improvements



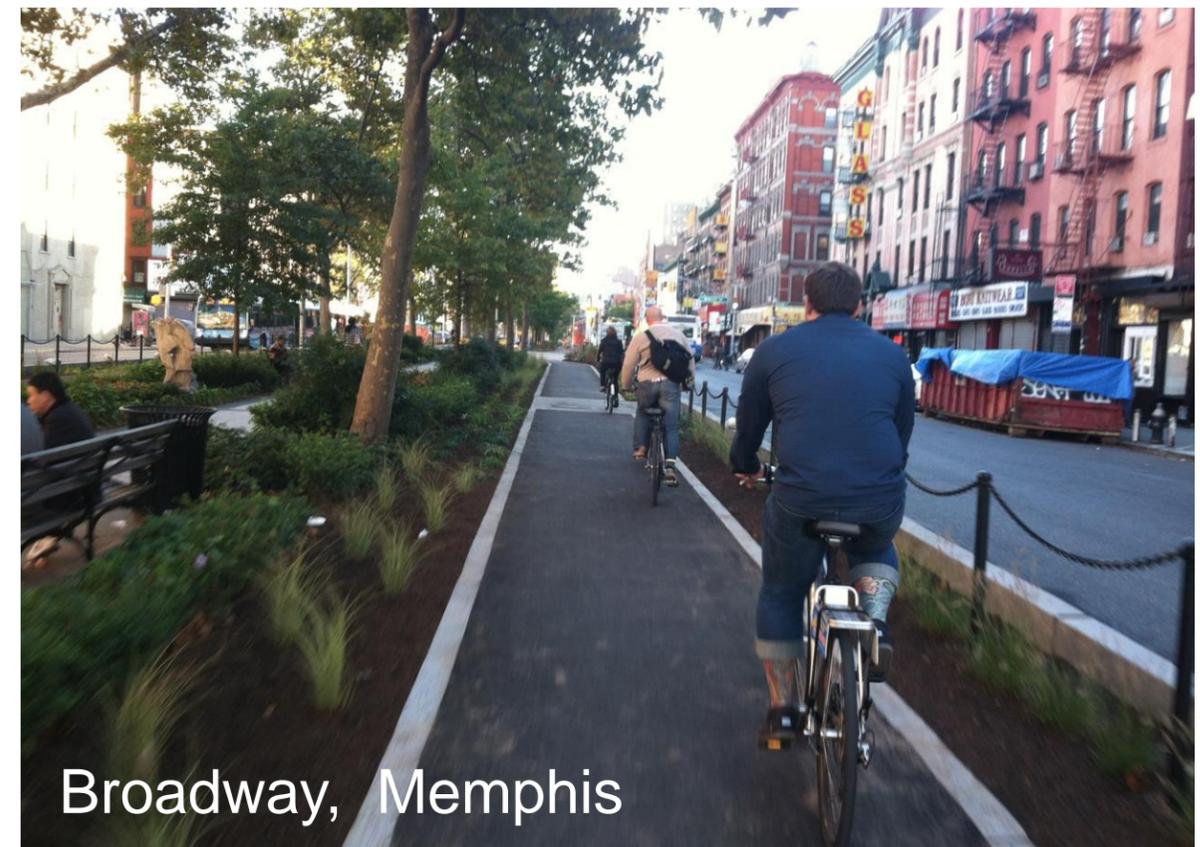
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- Protected Intersections
- Separated Bike Lanes
- Bicycle Signals



Causeway Street, Boston



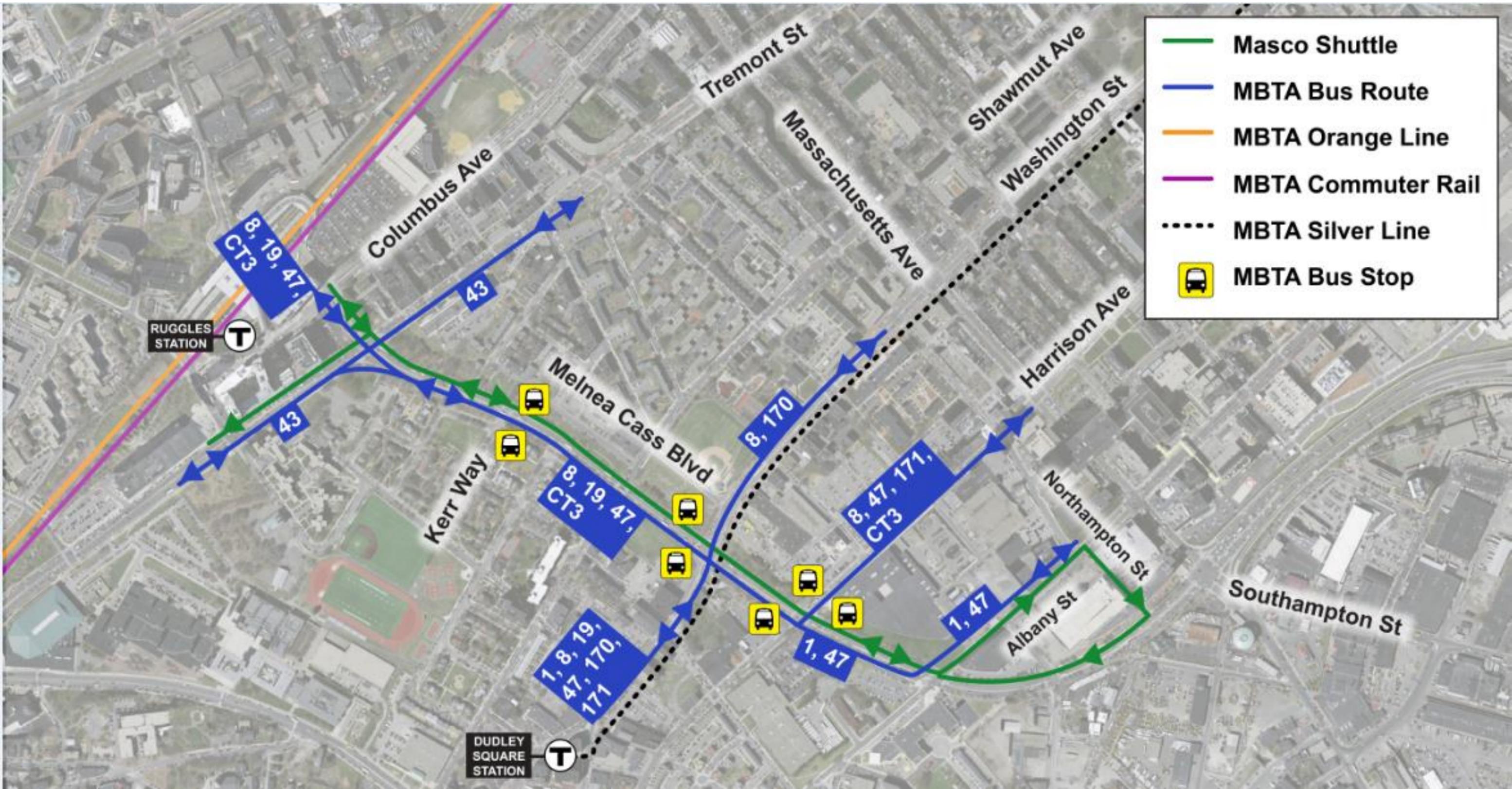
Broadway, Memphis

Existing Public Transportation



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Walk Through: Melnea Cass Blvd. at Columbus Ave.

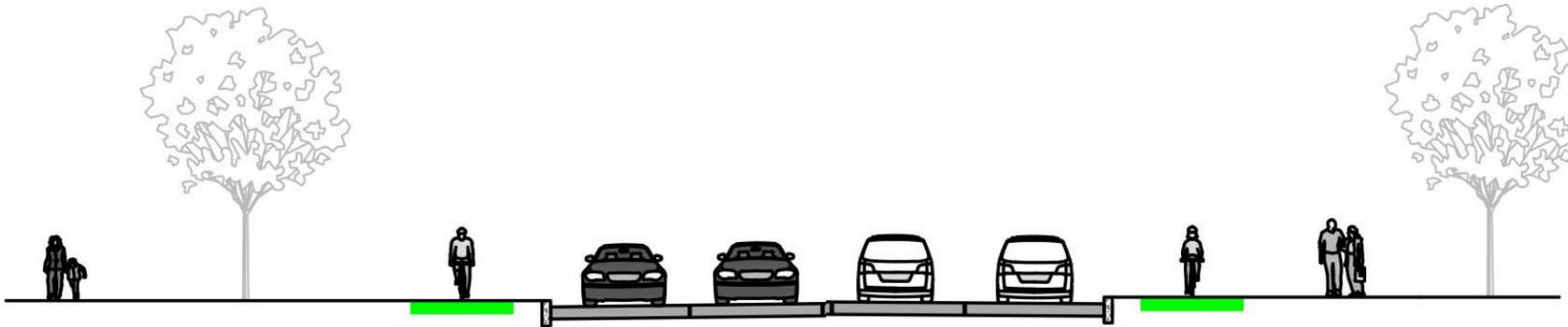
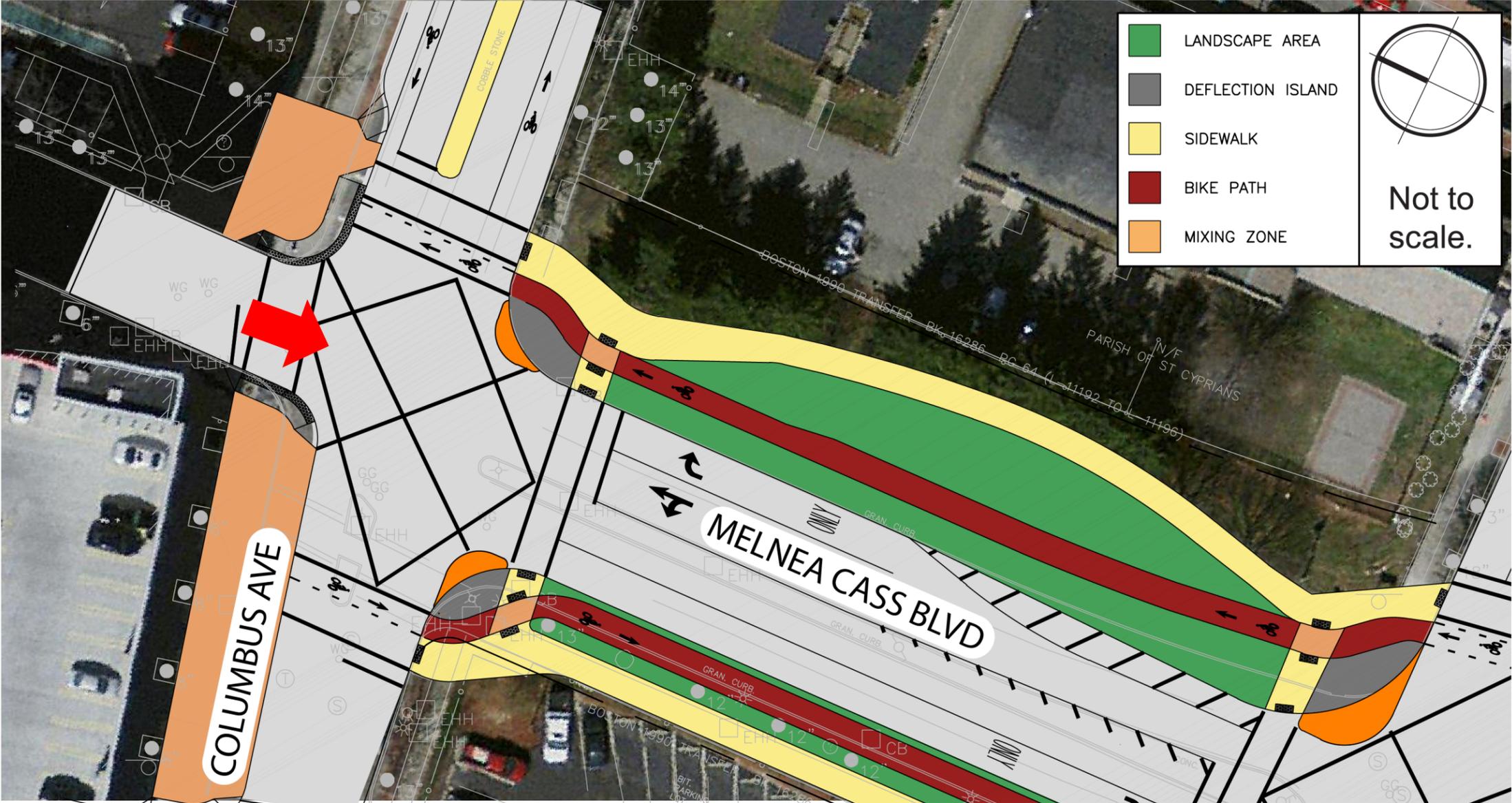


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Walk Through: Melnea Cass Blvd. at Columbus Ave.



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Walk Through: Melnea Cass Blvd. at Tremont St.



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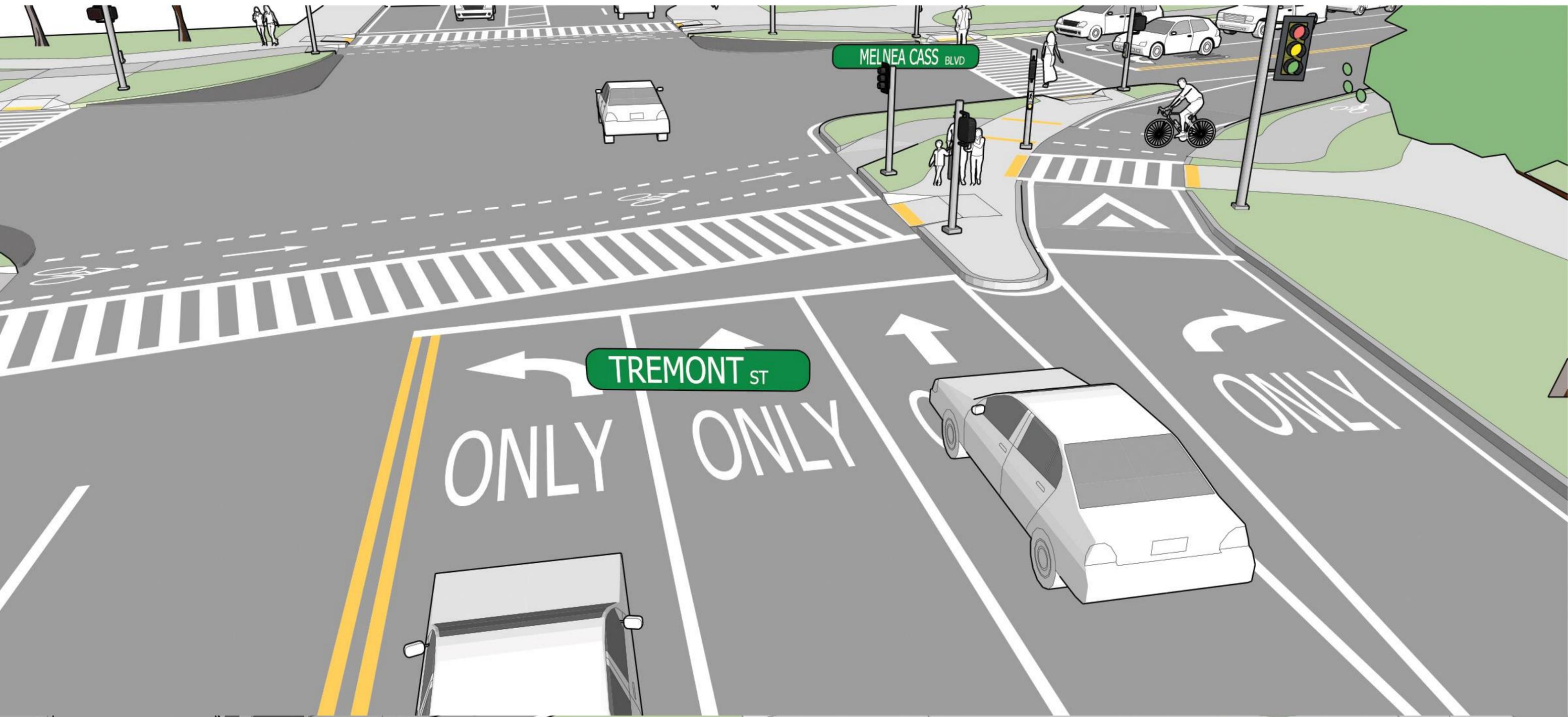
Walk Through: Melnea Cass Blvd. at Tremont St.



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Walk Through: Melnea Cass Blvd. at Brooke Marshall Rd.



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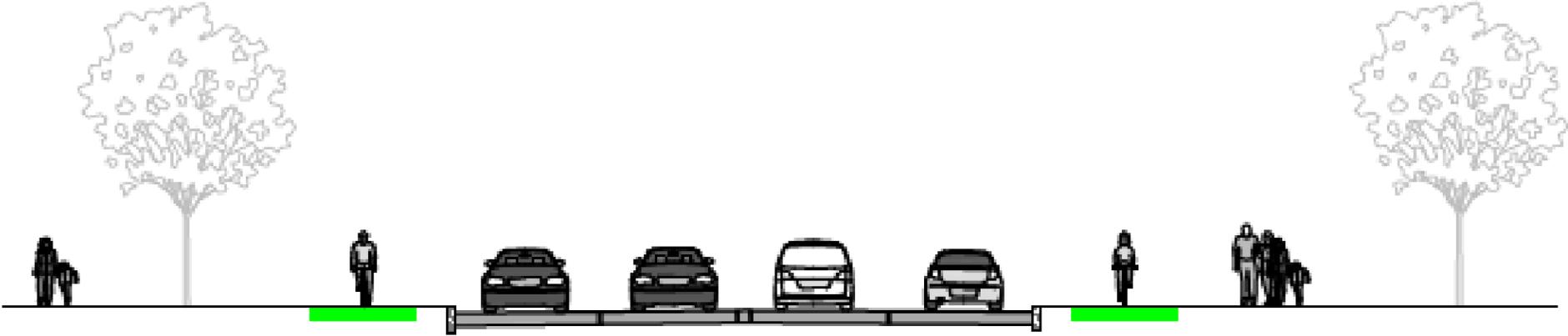
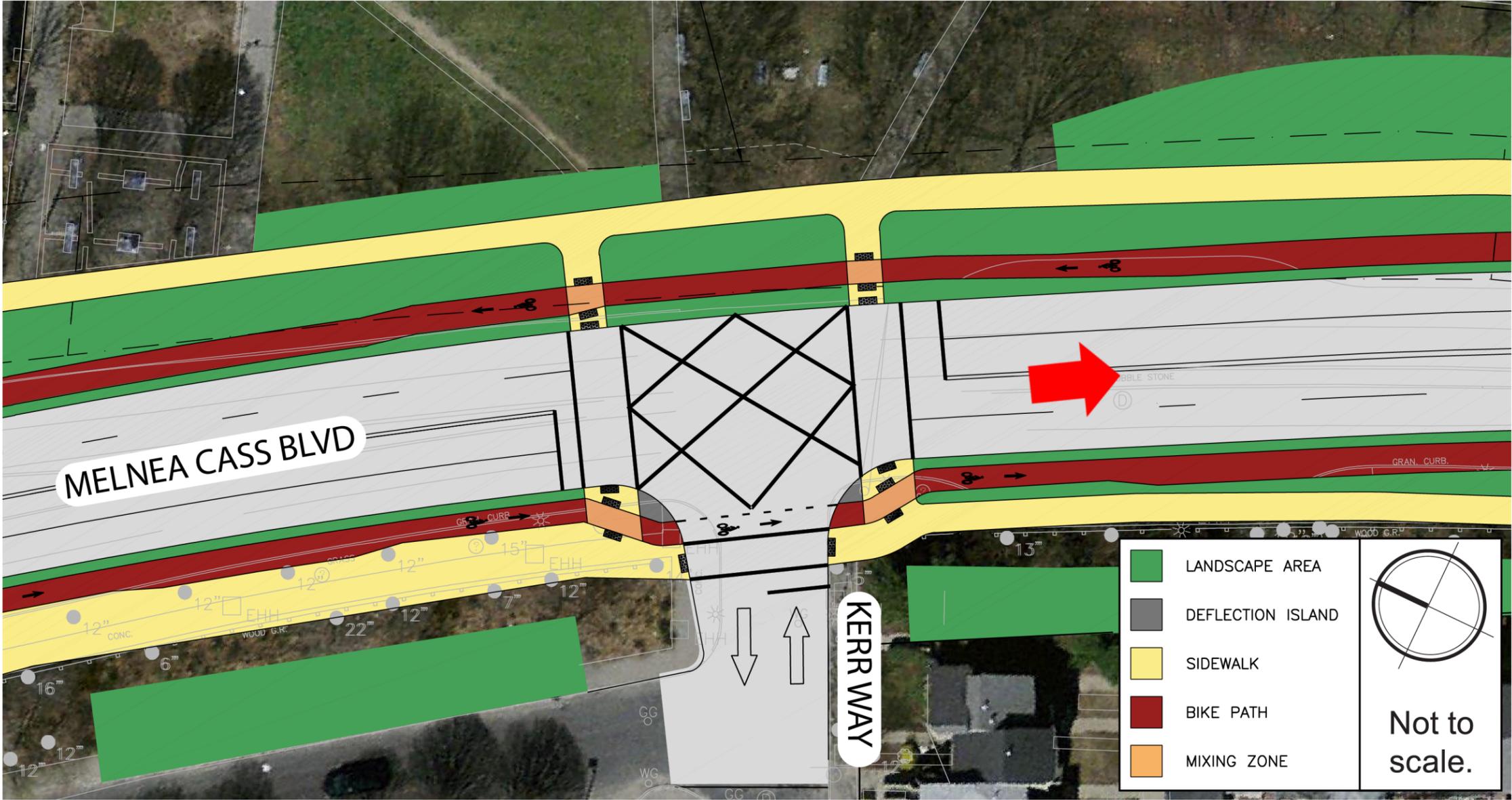


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Walk Through: Melnea Cass Blvd. at Kerr Way



Walk Through: Melnea Cass Blvd. at Kerr Way



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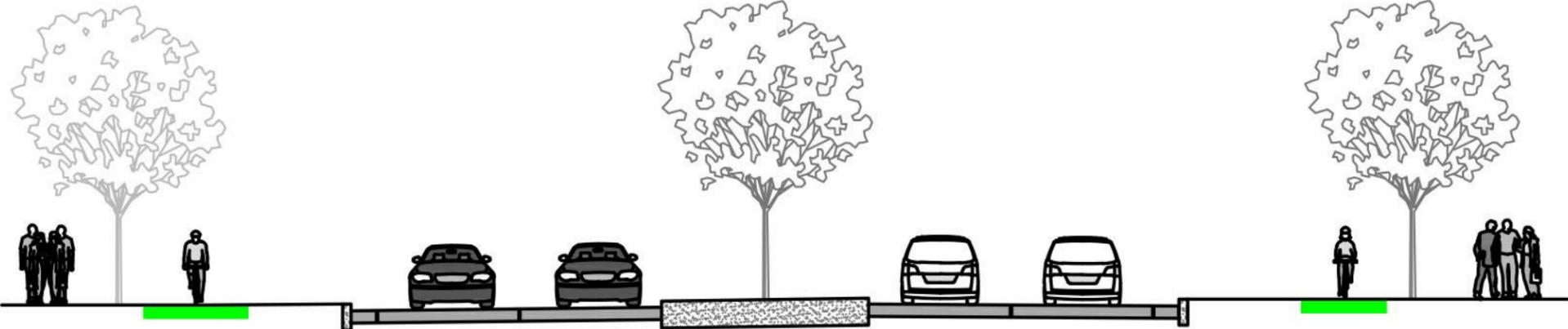
Walk Through: Melnea Cass Blvd. at Shawmut Ave.



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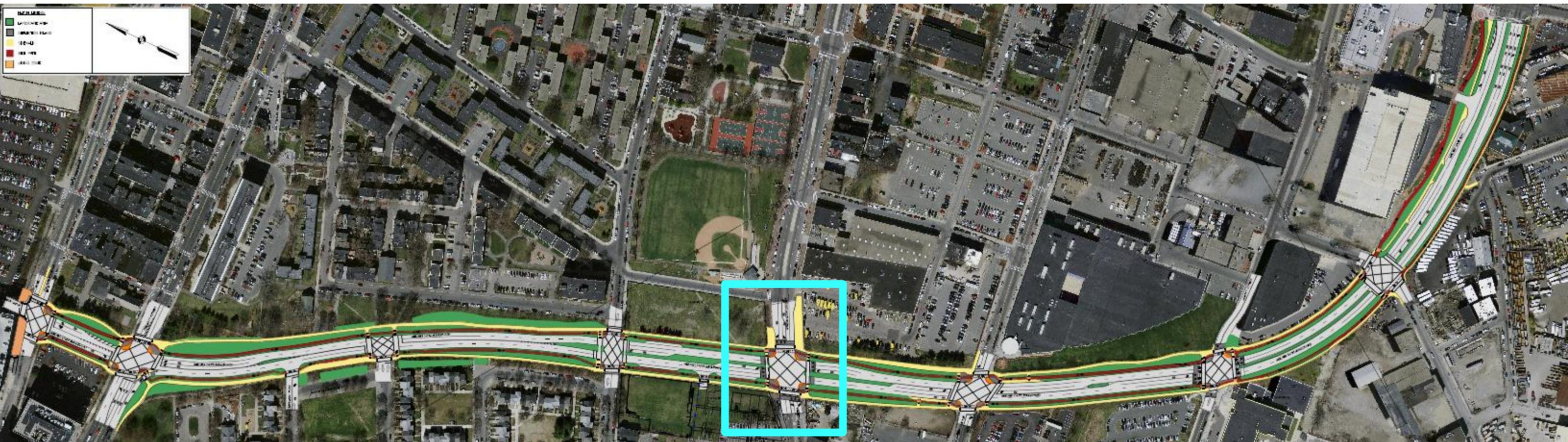


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Walk Through: Melnea Cass Blvd. at Washington St.

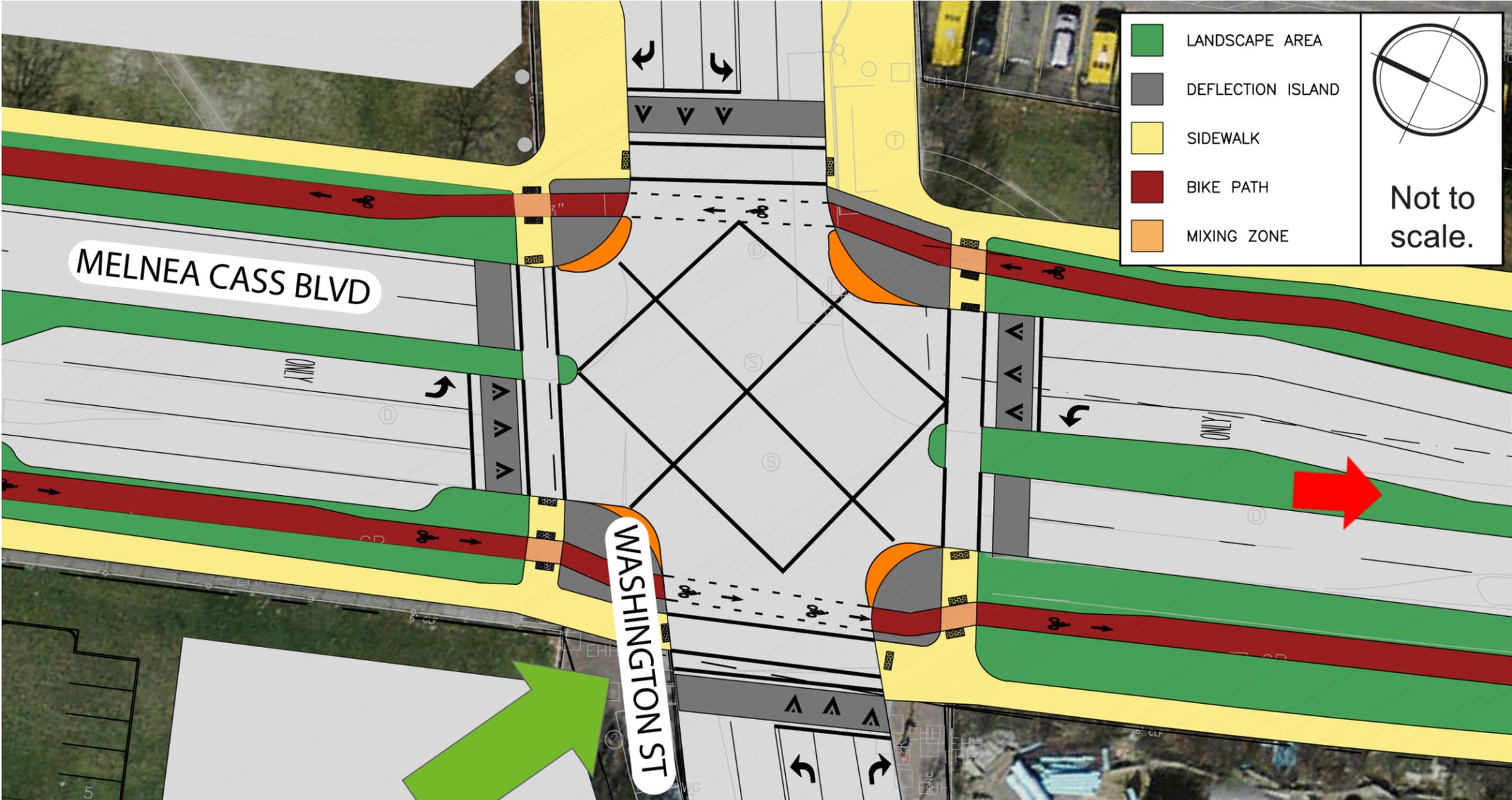


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Walk Through: Melnea Cass Blvd. at Washington St.

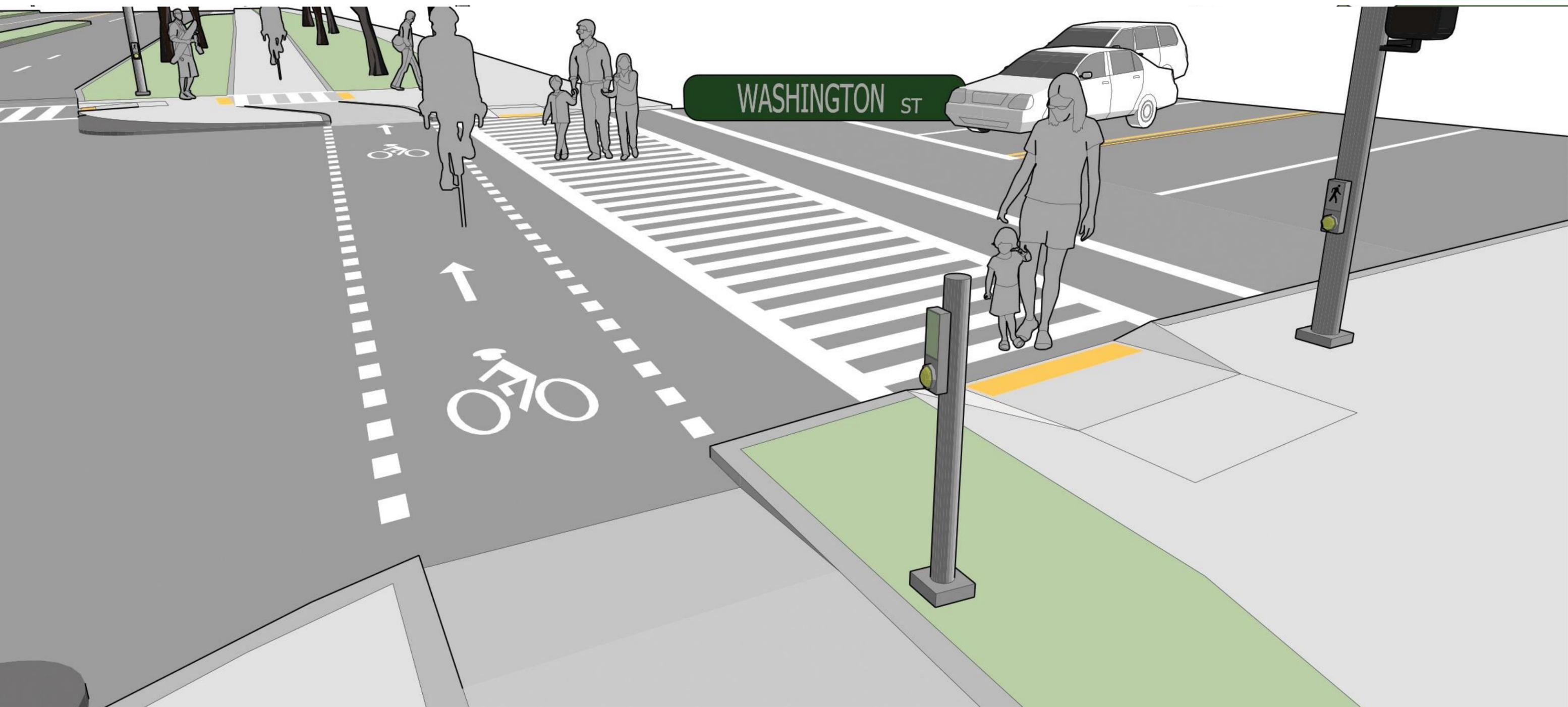


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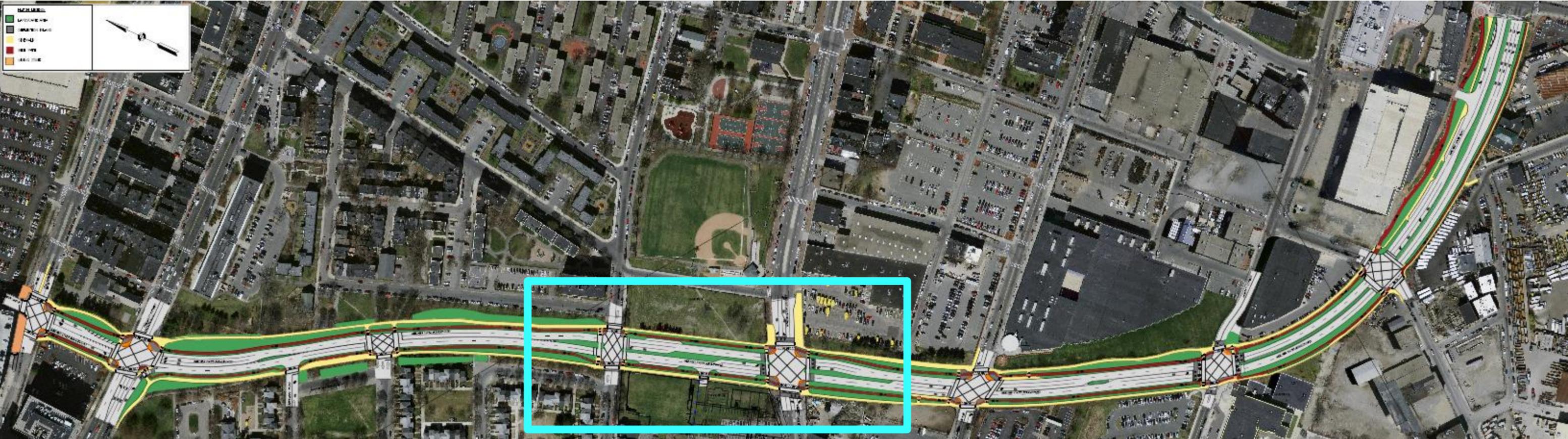
Walk Through: Melnea Cass Blvd. at Washington St.



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Shawmut Ave. to Washington St. Shift in Alignment

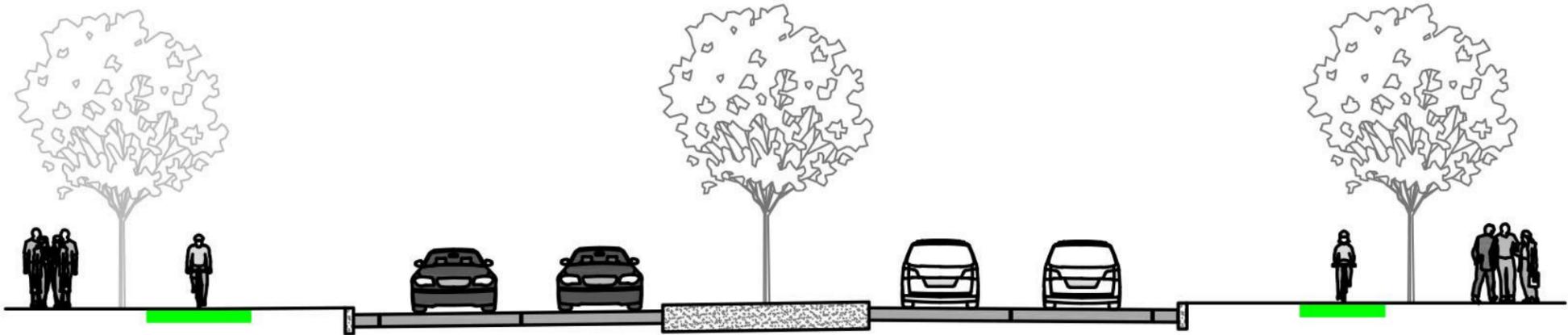
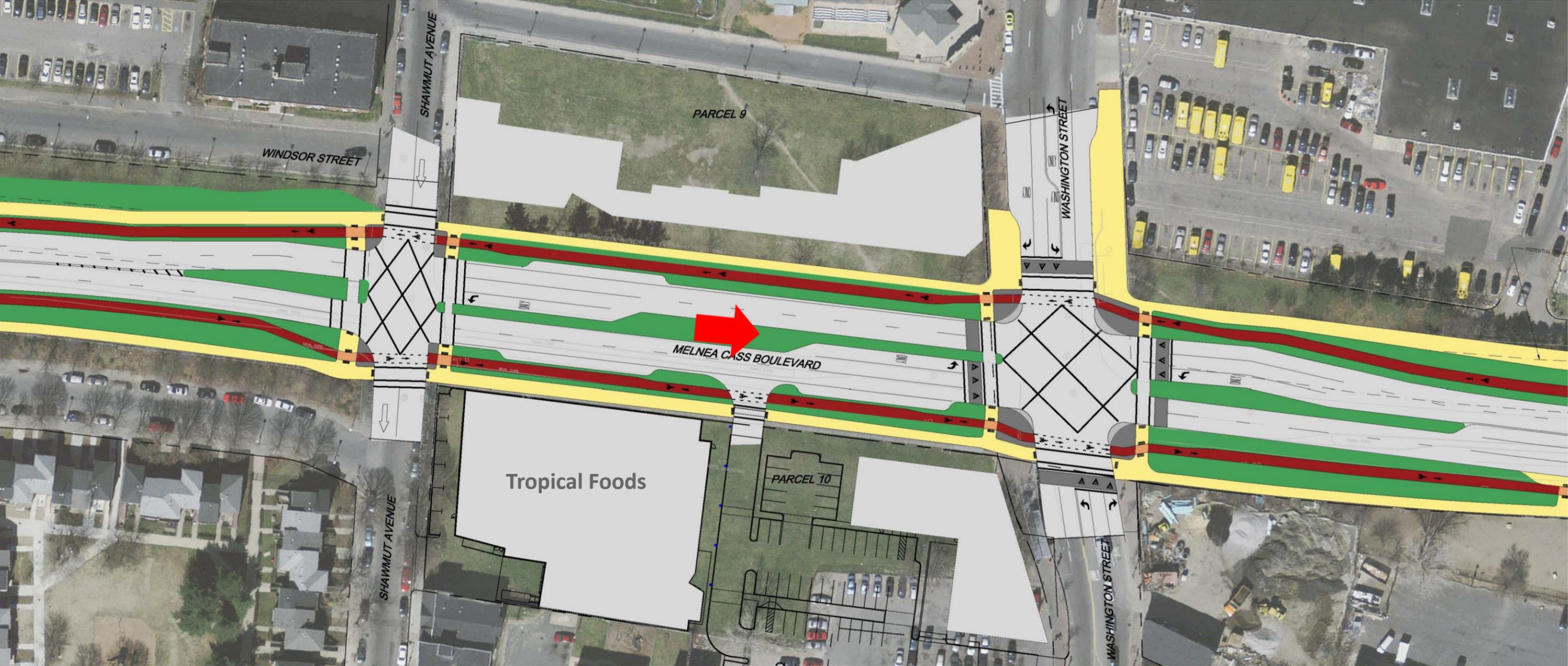


Shawmut Ave. to Washington St. Shift in Alignment



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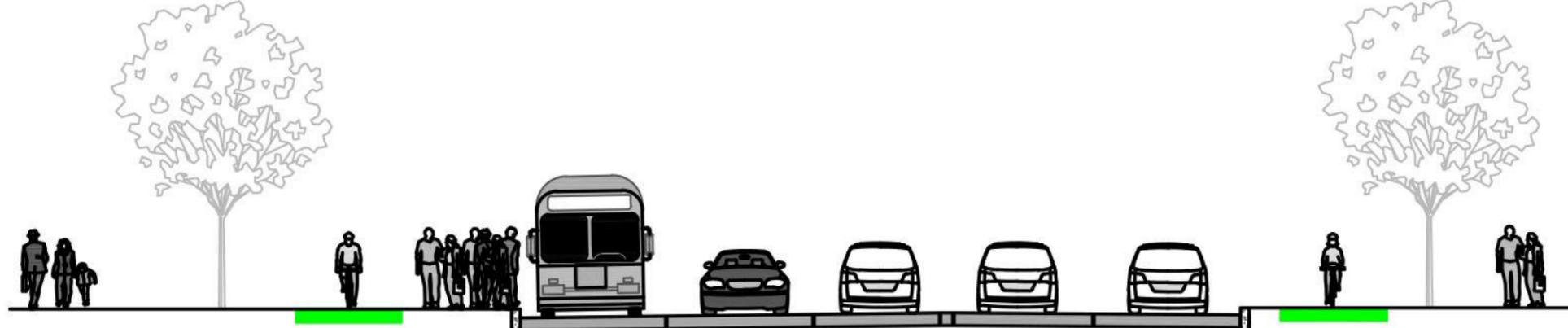
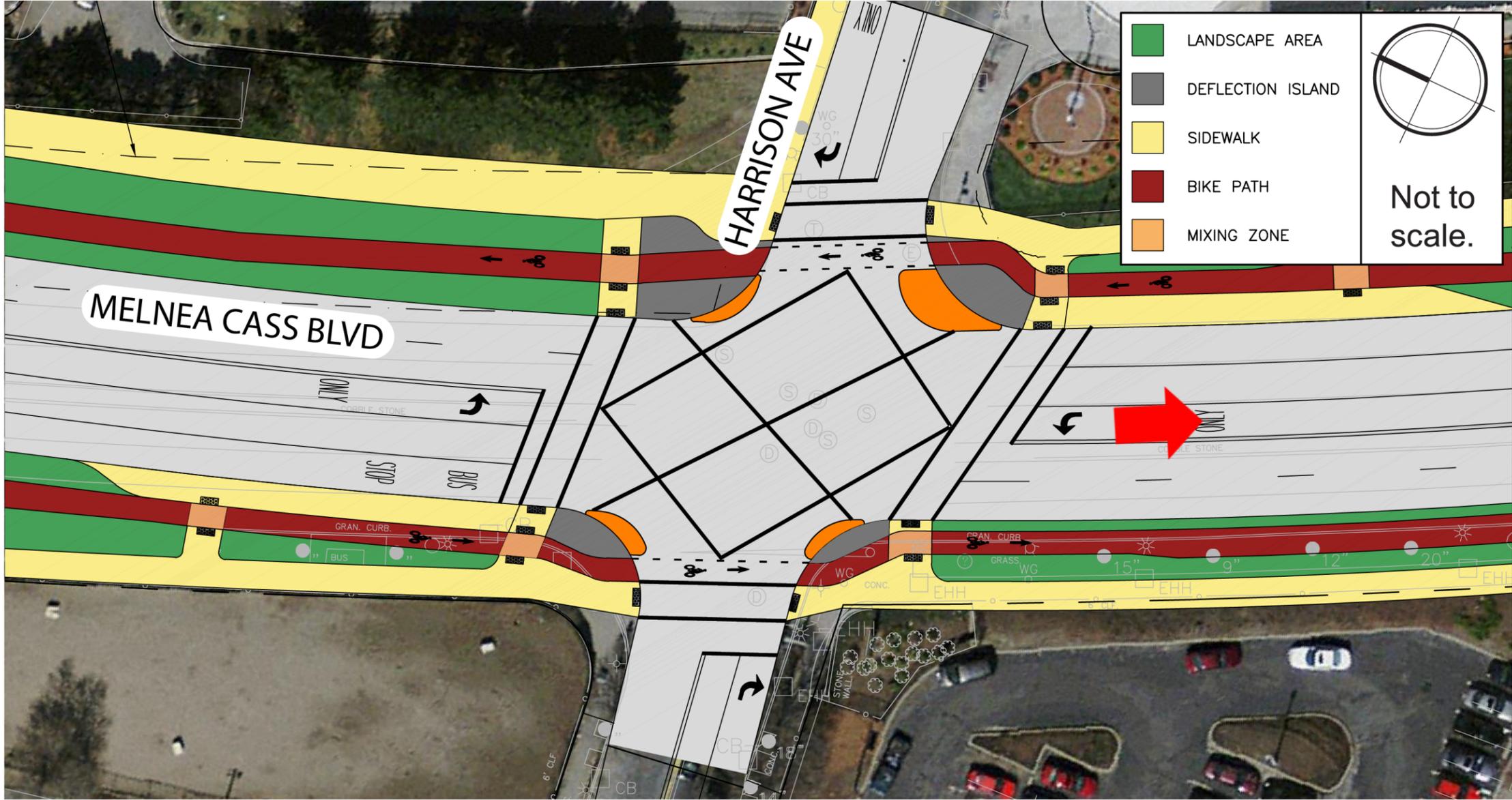
Walk Through: Melnea Cass Blvd. at Harrison Ave.



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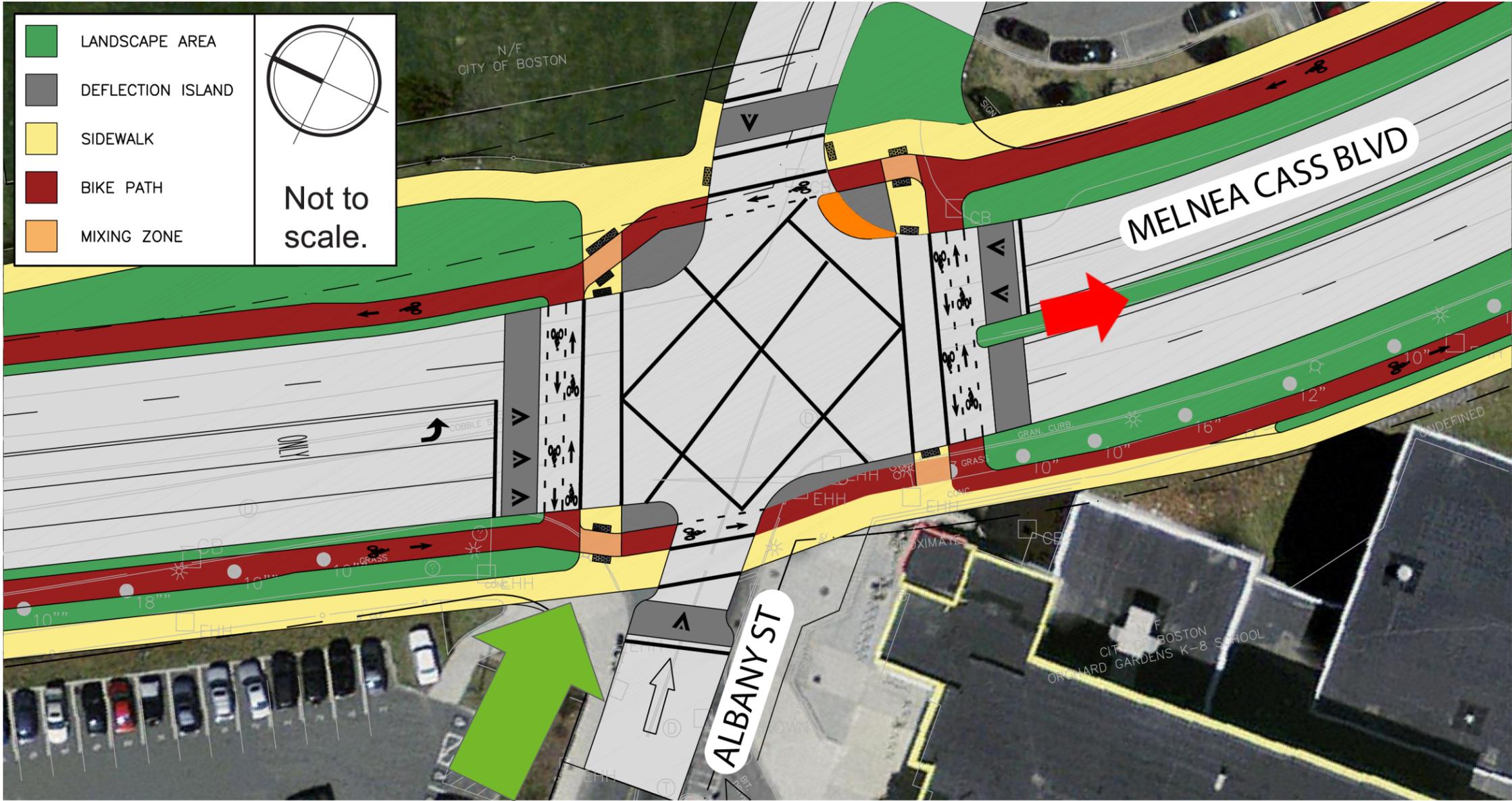


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Walk Through: Melnea Cass Blvd. at Albany St.



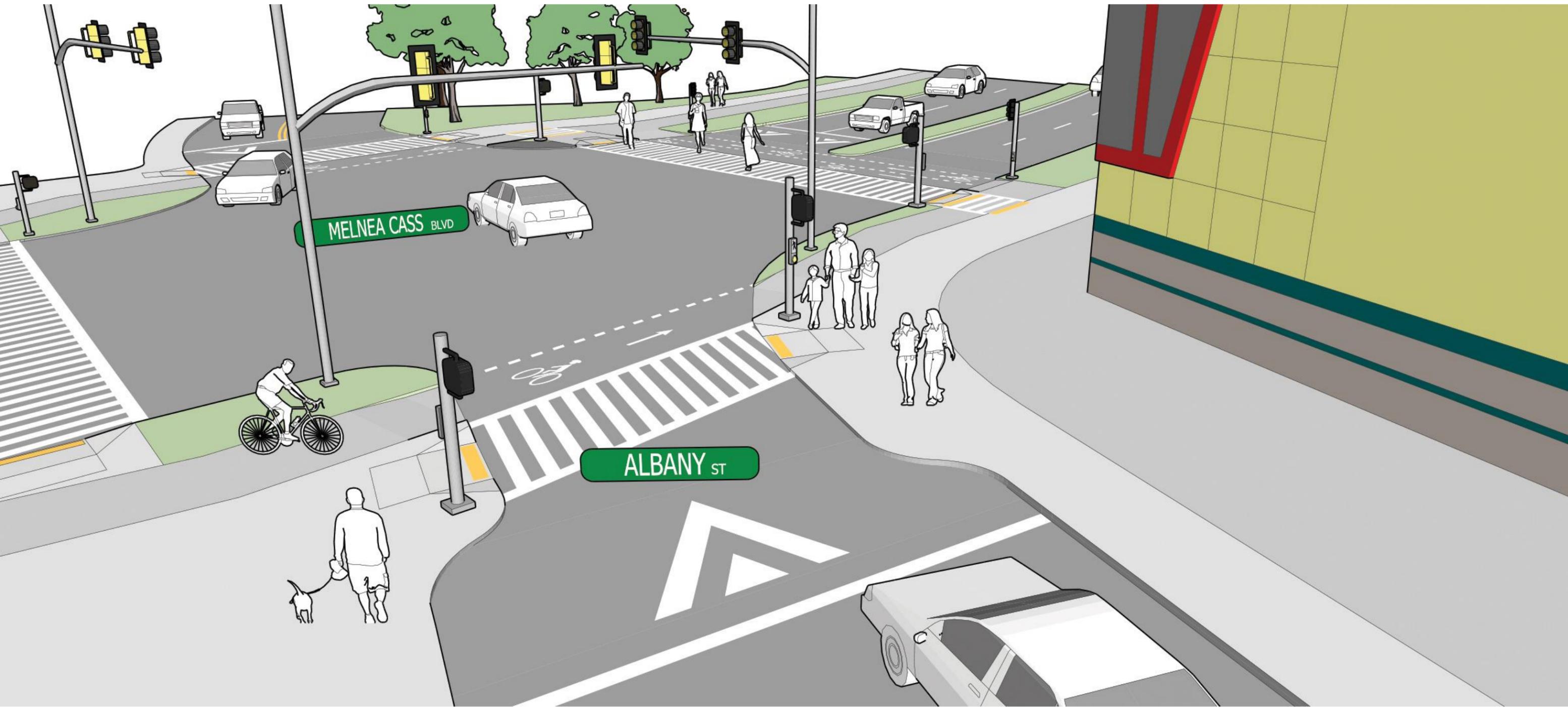
Walk Through: Melnea Cass Blvd. at Albany St.



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Walk Through: Melnea Cass Blvd. at Hampden St.

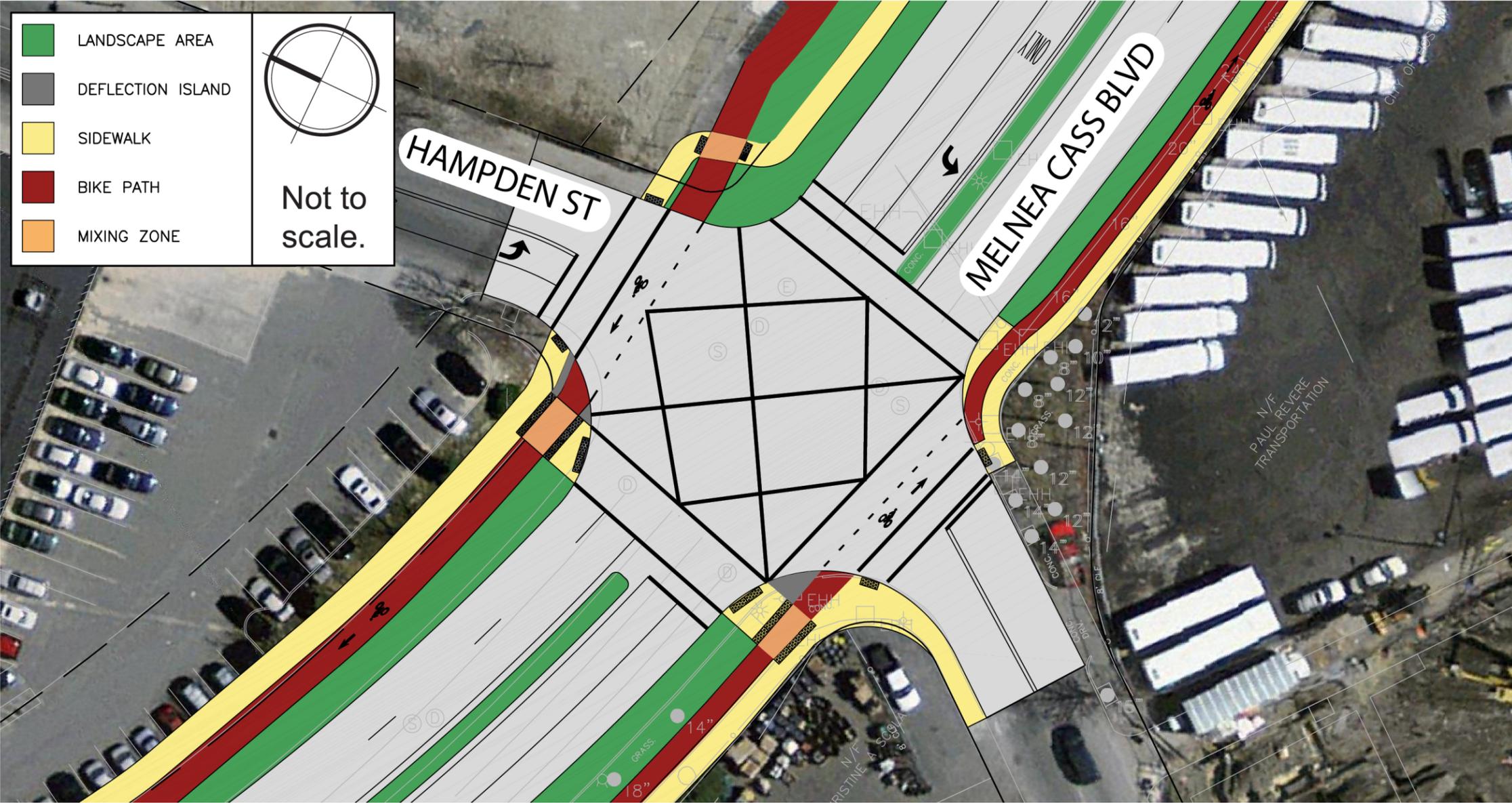


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Walk Through: Melnea Cass Blvd. at Hampden St.



Hampden St. to Massachusetts Ave. Alignment



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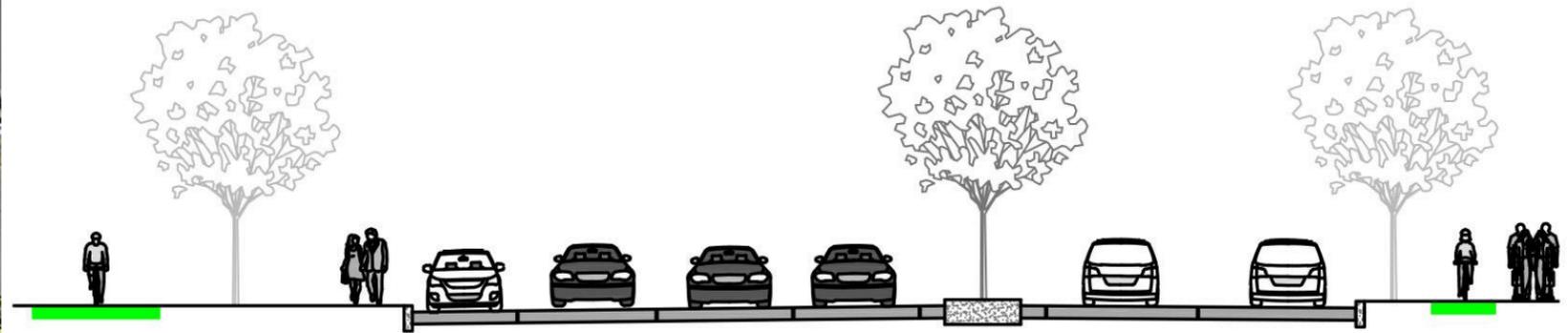
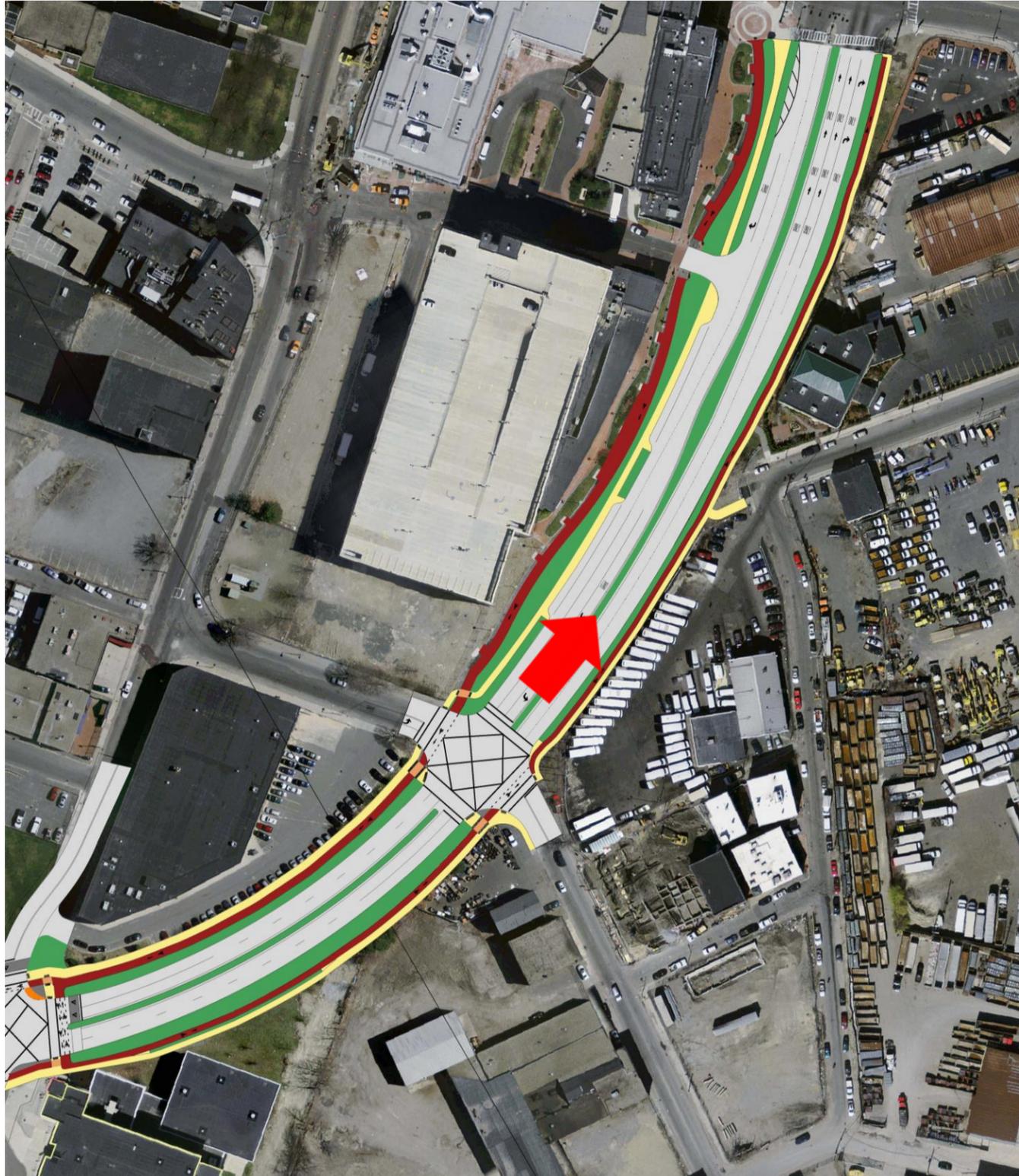
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Hampden St. to Massachusetts Ave. Alignment



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Tree Impacts

Block	Complete Streets Concept
Existing Trees on Melnea Cass Blvd.	488
Trees Removed	-159 -215
New Trees	265
Total Trees on Melnea Cass Blvd.	594
Total Net Increase	+106

Project Schedule



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July 2017	25% Design Submission
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QUESTIONS & COMMENTS

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For More Information



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