

# E. Tremont Ave at Silver St

2014



# Project Area



# Background



- 25,000 daily bus riders on Bx40 and Bx42 buses

- 70' wide, two lanes in each direction

- Association of Merchants & Business Professionals of Westchester Sq. Inc.

- Community request for LT signal and safety improvements at Silver Street

# Existing Issues

- Very wide, undefined lanes and parking lanes
- Long diagonal crosswalks
- Lack of crosswalks at certain locations
- High speeds: 85% of vehicles above the limit
- Long left turn queues at Silver St



# Safety Data

Motor  
Vehicle  
Occupant  
Injuries  
2007-2011

Pedestrian  
Injuries  
2007-2011

Bicyclist  
Injuries/  
2007-  
2011

E. Tremont Ave

St. Raymond's  
Ave

Castle Hill Ave

149 Total Motor Vehicle Injuries

30 Total Pedestrian Injuries

4 Total Bicycle Injuries

# Proposed

## Proposal Presentation Sections



1

Bronxdale Ave to  
Montgomery Pl

2

Overing St to  
Maclay Ave

3

St. Raymond's  
Ave

## Bronxdale Ave to Montgomery Pl

**EXISTING**

North Sidewalk

24' Combined Parking/ Moving Lane

11' Moving Lane

11' Moving Lane

24' Combined Parking/ Moving Lane

South Sidewalk

70'

**PROPOSED**

North Sidewalk

12' Parking Lane

11' Moving Lane

10' Moving Lane

4' Median

10' Moving Lane

11' Moving Lane

12' Parking Lane

South Sidewalk



# Proposed

Bronxdale Ave to  
Montgomery Pl

Wide parking  
lanes allows  
flexibility

Narrowing moving  
lanes calms traffic

Bronxdale  
Ave

E. Tremont Ave

New turn lane  
will improve  
traffic processing

Designated  
moving/parking lanes  
clarifies movements

1



Existing

Overing St to  
Maclay Ave

Silver St

E. Tremont Ave

Overing St

Maclay Ave



[illegible][illegible]

**Proposed**

**Overing St to Maclay Ave**

**Silver St**

**E. Tremont Ave**

**Overing St**

**Maclay Ave**

**Legend:**

- Station
- Station Platform
- Station Entrance
- Station Exit
- Station Accessible Entrance
- Station Accessible Exit
- Station Accessible Entrance/Exit
- Station Accessible Entrance/Exit (Ramp)
- Station Accessible Entrance/Exit (Staircase)
- Station Accessible Entrance/Exit (Elevator)
- Station Accessible Entrance/Exit (Ramp/Elevator)
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**Proposed**

**Overing St to Maclay Ave**

**Silver St**

**E. Tremont Ave**

**Overing St**

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Proposed

Overing St to Maclay Ave

Silver St

E. Tremont Ave

Overing St

Maclay Ave



**Proposed**

Sidewalk extensions normalizes intersection

Create two intersections at Overing/Silver Streets

Overing St to Maclay Ave

Silver St

E. Tremont Ave

New pedestrian safety islands

Overing St

Maclay Ave

This map illustrates the proposed urban improvements for the Overing St to Maclay Ave project. The map shows a street grid with several key streets labeled: E. Tremont Ave, Overing St, Silver St, and Maclay Ave. A large blue arrow points to the 'Proposed' section. A green box highlights the 'Create two intersections at Overing/Silver Streets' project. Another green box indicates 'Sidewalk extensions normalizes intersection' with orange arrows pointing to the intersections at Overing St and Silver St. A third green box, 'New pedestrian safety islands', has orange arrows pointing to the proposed islands on Overing St and Silver St. A blue box at the top right indicates the project area from 'Overing St to Maclay Ave'. The map also shows existing street layouts, including Maclay Ave and Silver St, and the proposed pedestrian safety islands and sidewalk extensions.

**Proposed**

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Create two intersections at Overing/Silver Streets

Overing St to Maclay Ave

Silver St

E. Tremont Ave

New pedestrian safety islands

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Maclay Ave

This map illustrates the proposed urban infrastructure improvements for the Overing St to Maclay Ave project. The map shows a network of streets including E. Tremont Ave, Overing St, Silver St, and Maclay Ave. Key proposed features are highlighted with callouts: 'Proposed' (in a blue arrow), 'Sidewalk extensions normalizes intersection' (in a green box), 'Create two intersections at Overing/Silver Streets' (in a green box), 'Overing St to Maclay Ave' (in a blue box), 'New pedestrian safety islands' (in a green box), and 'Silver St' (in a blue box). Orange arrows point from the 'Sidewalk extensions' and 'New pedestrian safety islands' callouts to specific locations on the map, indicating the placement of these improvements at the intersections and along the streets.

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E. Tremont Ave

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Maclay Ave

This aerial map illustrates a proposed urban improvement project in the Overing St area of Seattle. The map shows the intersection of Overing St with Silver St, E. Tremont Ave, and Maclay Ave. Key proposed changes include:
 

- Sidewalk extensions:** Indicated by green rectangles along the sidewalks, these extensions are intended to 'normalize' the intersection.
- New pedestrian safety islands:** Shown as green rectangles in the middle of the road at the intersections of Overing St with Silver St and Maclay Ave.
- Intersection creation:** A plan to 'Create two intersections at Overing/Silver Streets' is highlighted in a green box.
- Street alignment:** A blue box indicates the alignment from 'Overing St to Maclay Ave'.

 Orange arrows point from the 'Proposed' label to the specific locations of the sidewalk extensions and safety islands. Street names are labeled in white boxes with blue borders: Silver St, E. Tremont Ave, Overing St, and Maclay Ave. The map also shows existing road markings, including crosswalks and lane directions.

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Create two intersections at Overing/Silver Streets

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E. Tremont Ave

New pedestrian safety islands

Overing St

Maclay Ave

This aerial map illustrates a proposed urban improvement project in Oakland. The map shows a network of streets including Overing St, Silver St, Maclay Ave, E. Tremont Ave, and Silver St. Key features and proposed changes are highlighted with callouts:

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- Create two intersections at Overing/Silver Streets:** A green callout box with an orange arrow pointing to the intersection of Overing St and Silver St.
- Overing St to Maclay Ave:** A blue callout box with an orange arrow pointing to the intersection of Overing St and Maclay Ave.
- Silver St:** A white callout box with a blue border pointing to Silver St.
- E. Tremont Ave:** A white callout box with a blue border pointing to E. Tremont Ave.
- New pedestrian safety islands:** A green callout box with an orange arrow pointing to a new pedestrian safety island at the intersection of Overing St and Maclay Ave.
- Overing St:** A white callout box with a blue border pointing to Overing St.
- Maclay Ave:** A white callout box with a blue border pointing to Maclay Ave.

The map also shows various street features such as crosswalks, sidewalks, and building footprints.

**Proposed**

Sidewalk extensions normalizes intersection

Create two intersections at Overing/Silver Streets

Overing St to Maclay Ave

Silver St

E. Tremont Ave

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Maclay Ave

This aerial map illustrates a proposed urban improvement project in Oakland. The map shows a network of streets including Overing St, Silver St, Maclay Ave, E. Tremont Ave, and Silver St. Key features and proposed changes are highlighted with callouts:

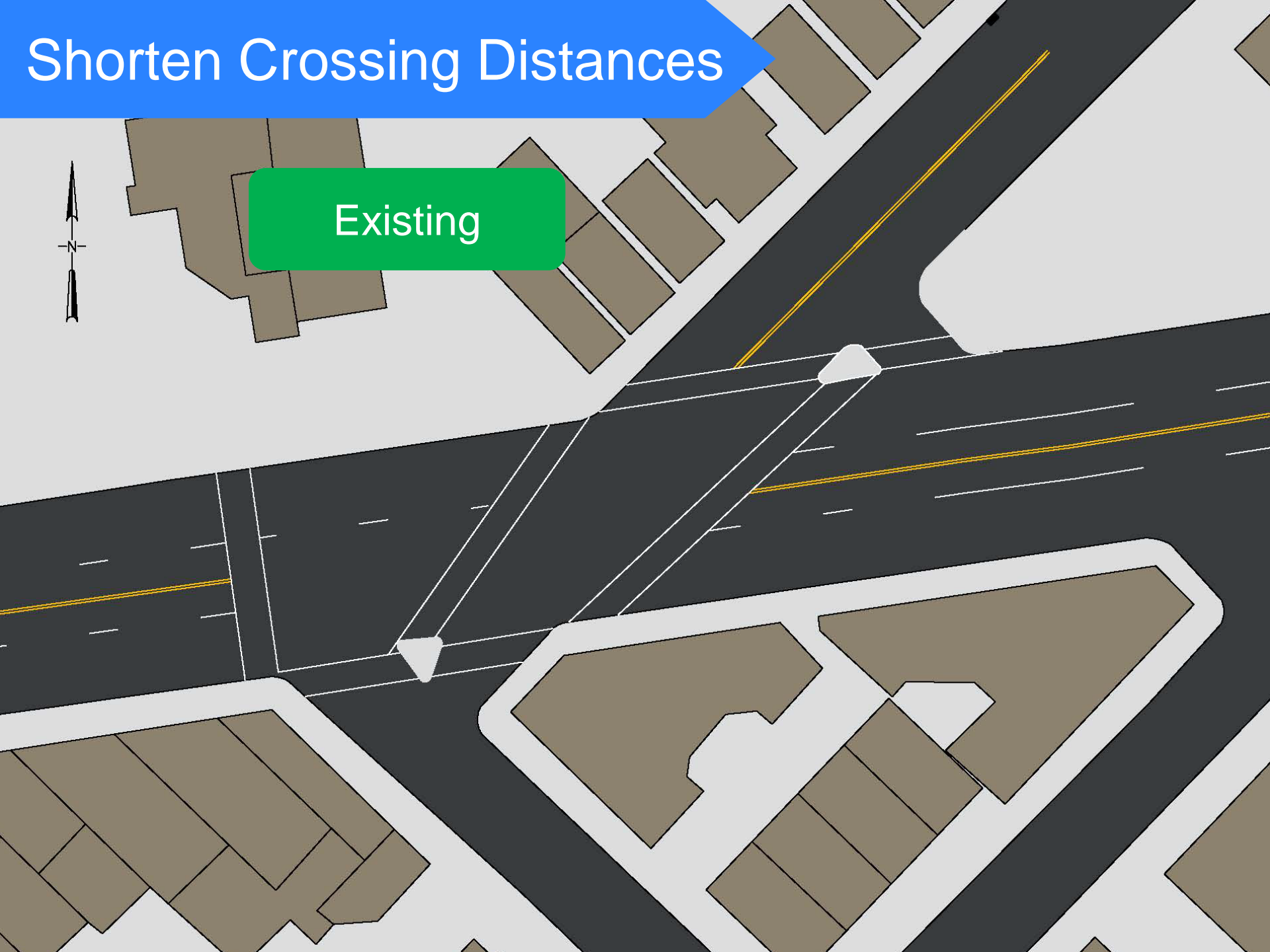
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# Shorten Crossing Distances

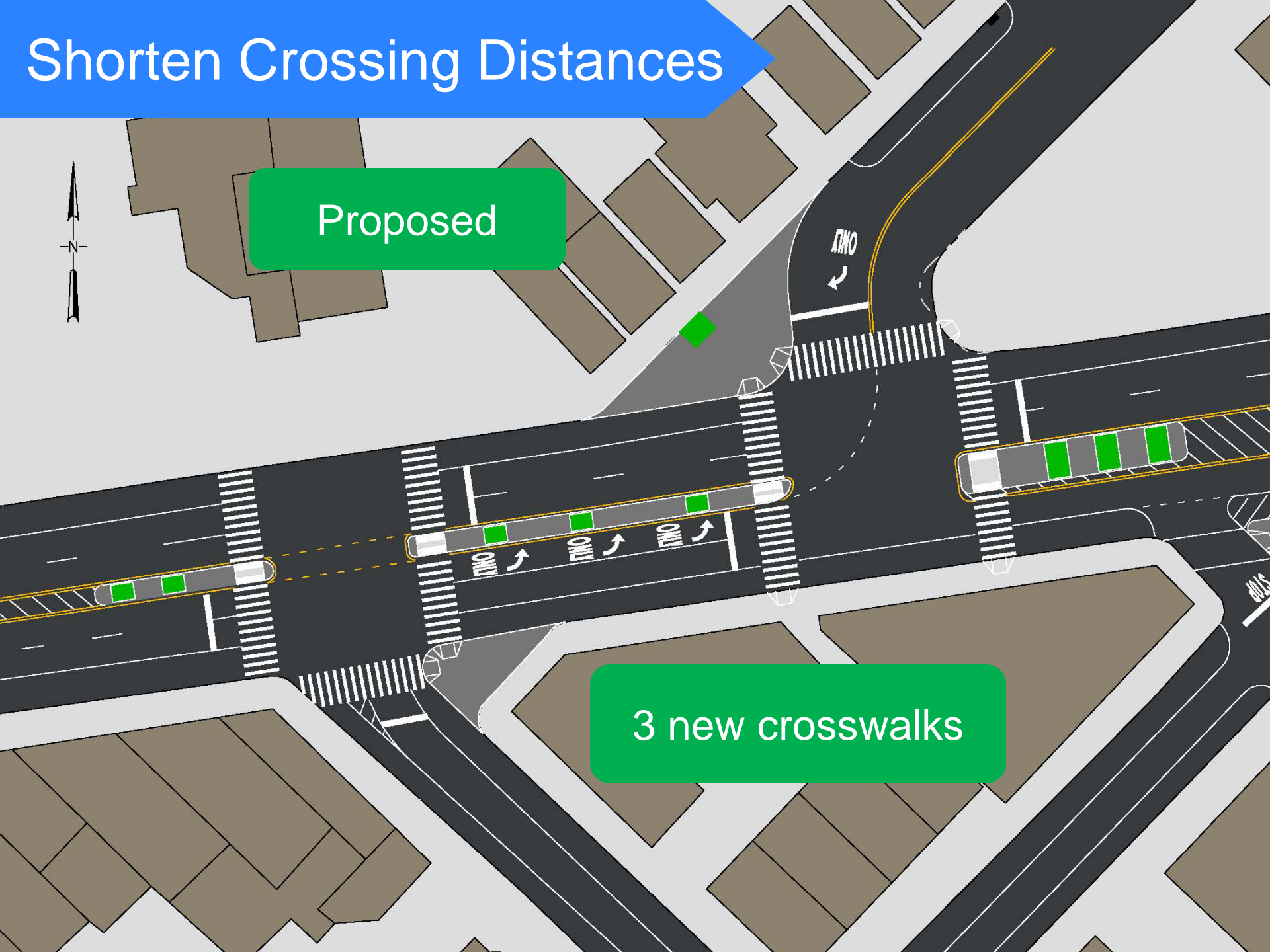
Existing



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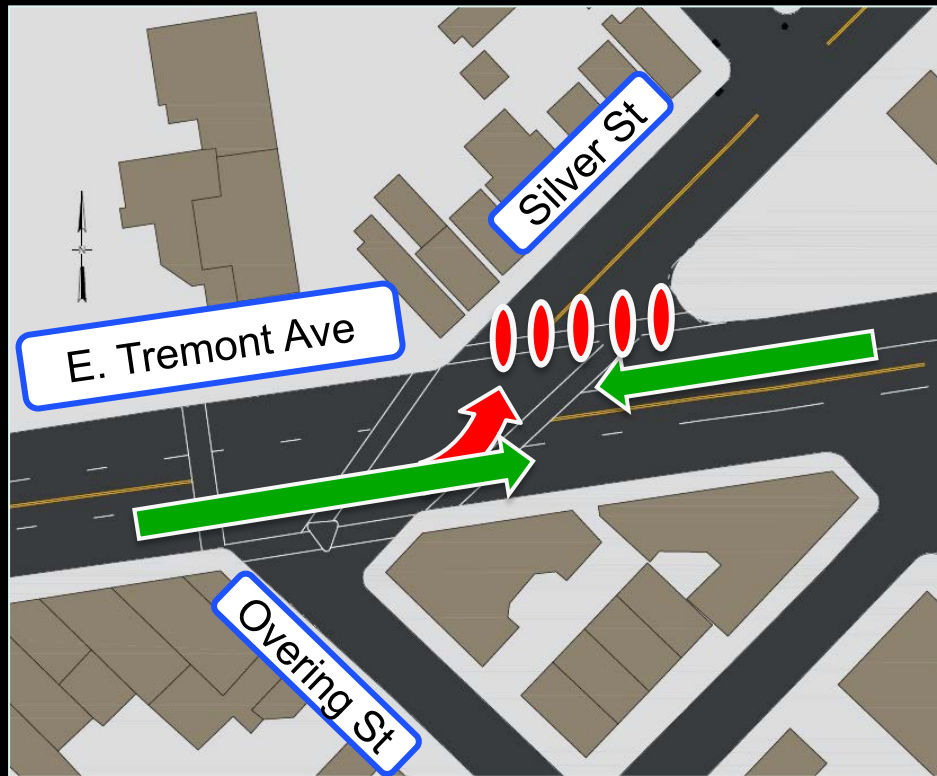
Proposed

3 new crosswalks



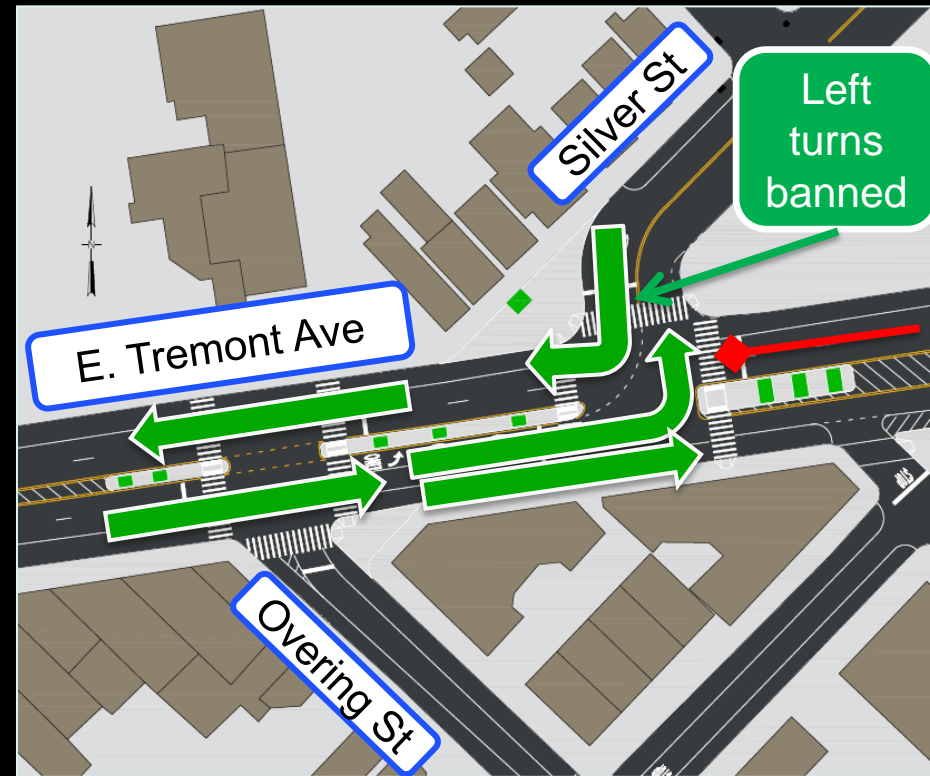
# Signal Phasing

Existing Turning Conflict



Left turning vehicles wait for gap in cars and pedestrians

Proposed Turning Phase

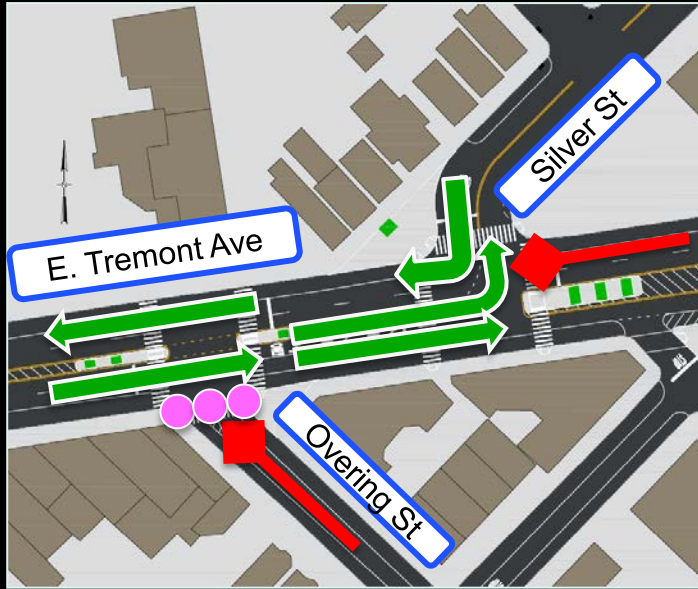


Left turning phase will remove conflicts and move vehicles through intersection with less delay

# Proposed Signal Phasing

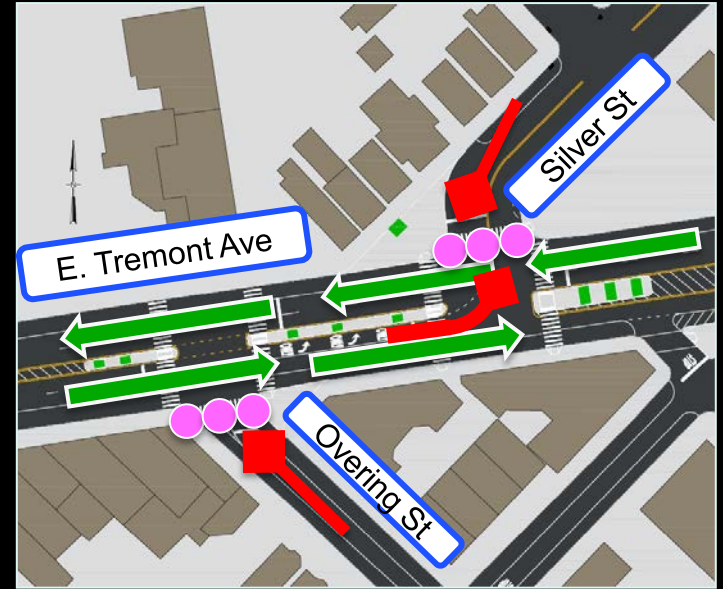
1

47 Secs



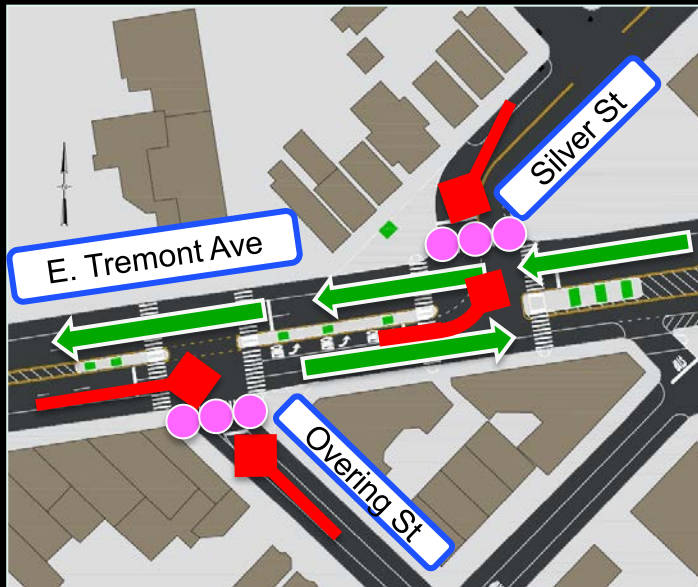
2

37 Secs



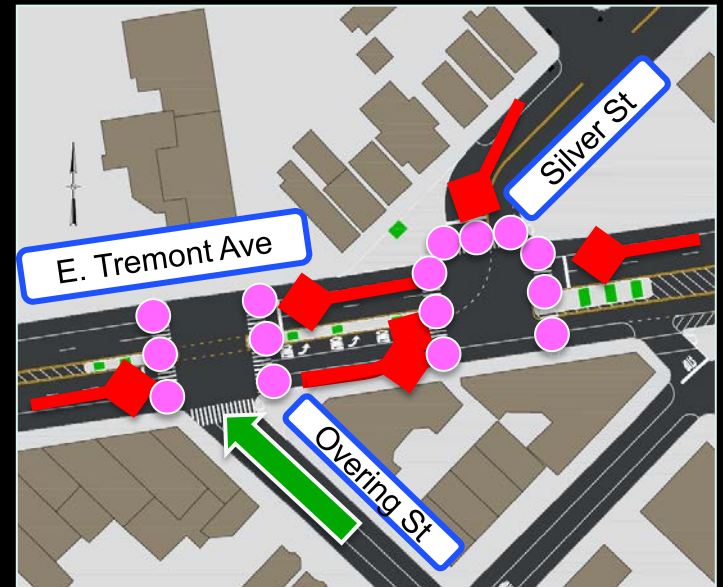
3

10 Secs

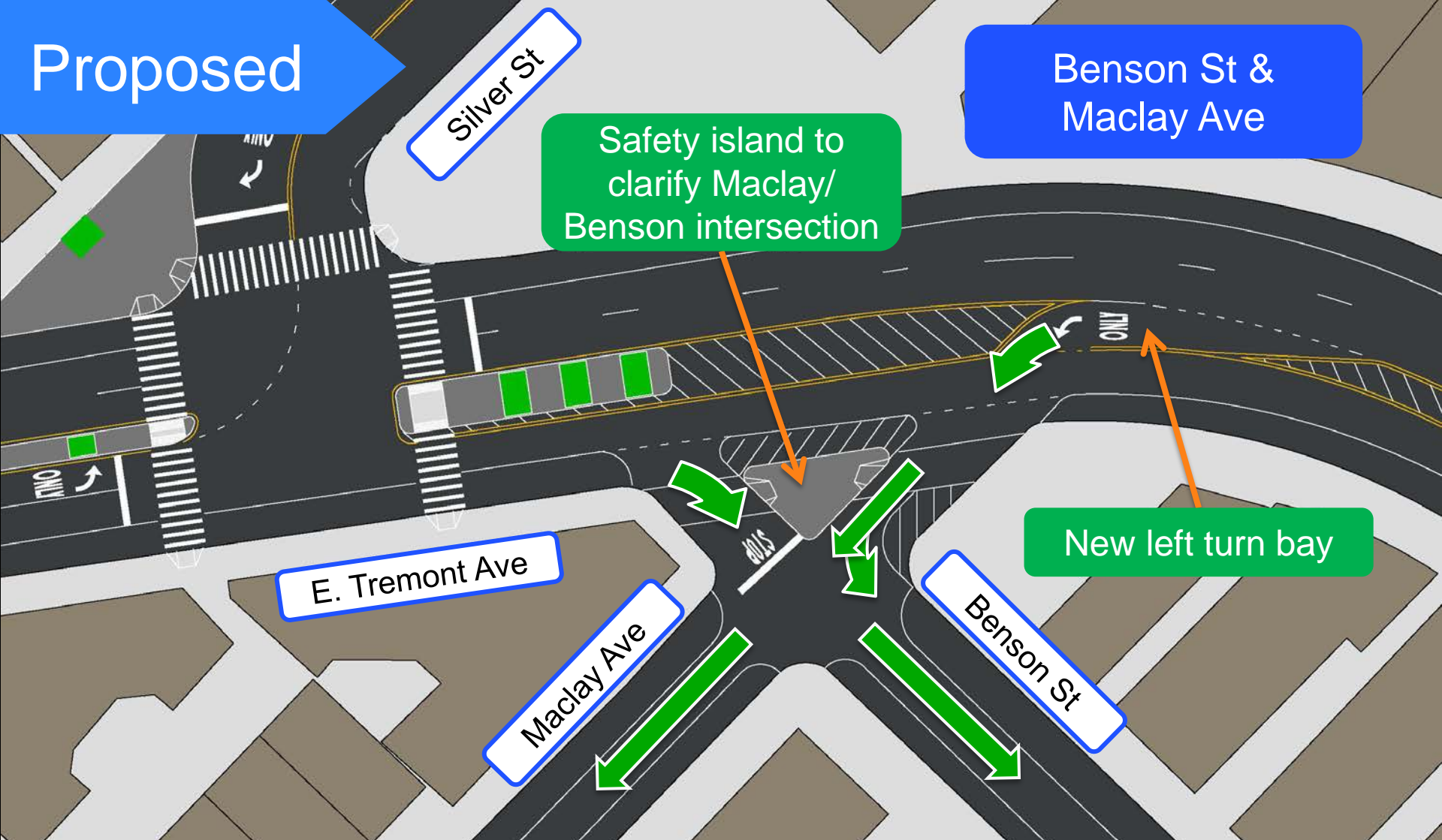


4

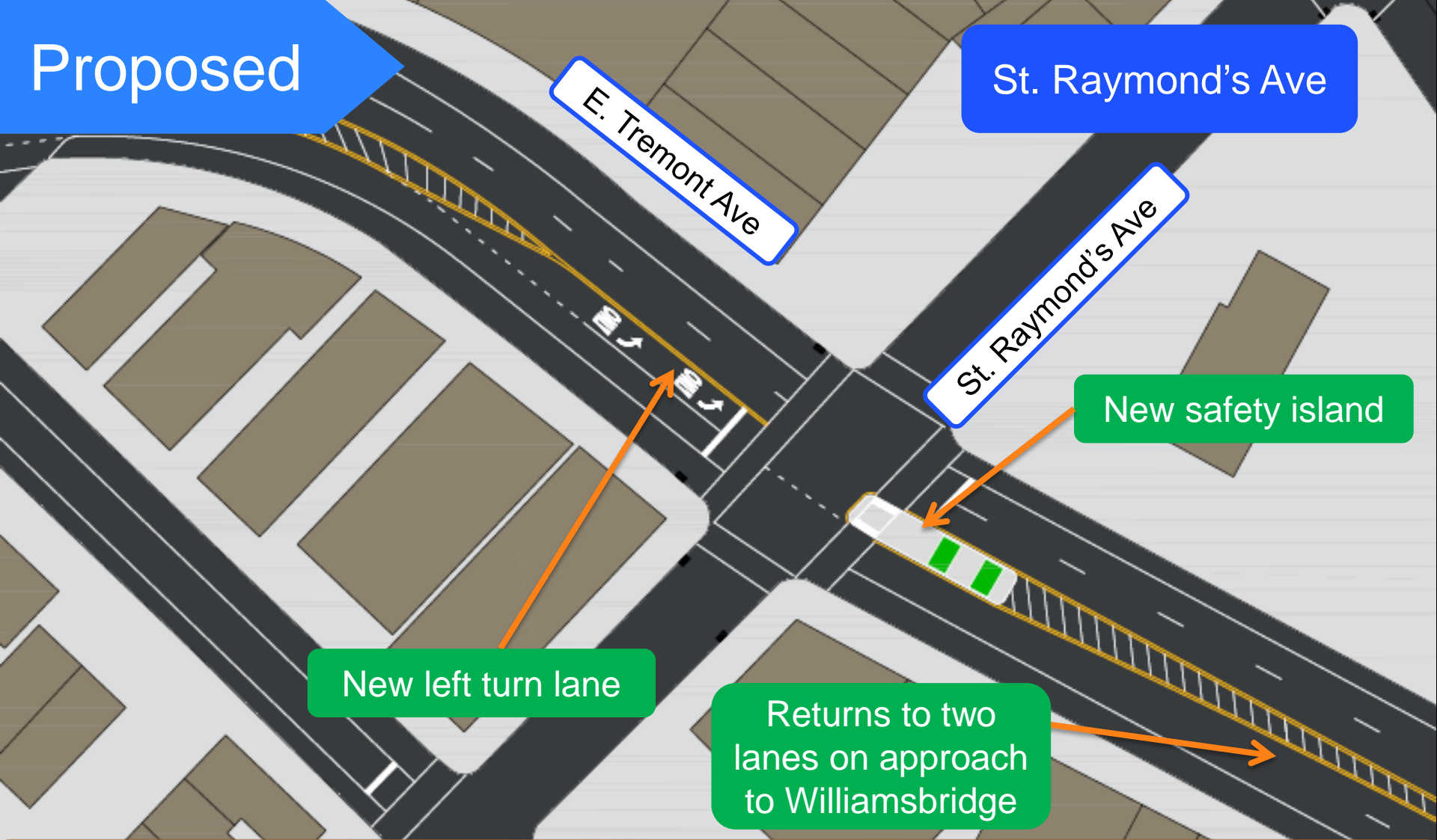
26 Secs



# Proposed



# Proposed



# Benefits

Calmed traffic

Improved traffic flow and circulation

Increased pedestrian safety and comfort

Enhanced walking environment

New landscaping and neighborhood amenities added

Clarified pedestrian crossings and vehicle travel lanes



# Summary



- Construct five green pedestrian safety islands at Overing St, Silver St, and, St Raymonds Ave
- Build neckdowns on E. Tremont at Silver St, Overing St, and Maclay Ave
- Build two new pedestrian ramps
- Install flush center median with left turn bay at Bronxdale
- Convert one EB through lane to left turn lane at Silver
- Mark curb lane to create standard width moving lanes
- Install EB left turn signal and provide simultaneous SB right turn at Silver St while banning SB left turn
- Install two new crosswalks

[www.nyc.gov/dot](http://www.nyc.gov/dot)

Thank  
You

