

# Streetcar Spot Enhancements

How SDOT is Improving Bicycle Safety



# Our vision, mission, and core values

**Vision:** Seattle is a thriving equitable community powered by dependable transportation

**Mission:** to deliver a transportation system that provides safe and affordable access to places and opportunities

Committed to 6 core values:

- Equity
- Safety
- Mobility
- Sustainability
- Livability
- Excellence

# Overview

Background

Enhancement Areas

Next Steps

# Background: Literature



Bicycle and streetcar interaction issues



Crashes involving streetcar tracks are underreported



People who bike have a higher risk of crashes at complex intersections and roads

**Background:  
International  
Design  
Guidelines**

Separate cycling facilities

Run streetcar tracks in the center or left of street

Facilitate right-angle turns through bike facilities

Provide clear wayfinding and education

Consider people who bike in tandem with streetcar planning

Background:  
Seattle's  
Streetcar  
Injuries

Streetcar Line	Serious Injury Crashes	Injury Crashes	Total Reported Crashes
South Lake Union	0	1	1
First Hill	5	11	16

# Background: Streetcar Spot Enhancement Identification Process

Statement of Legislative Intent

Project kick-off meeting

Walking Tours

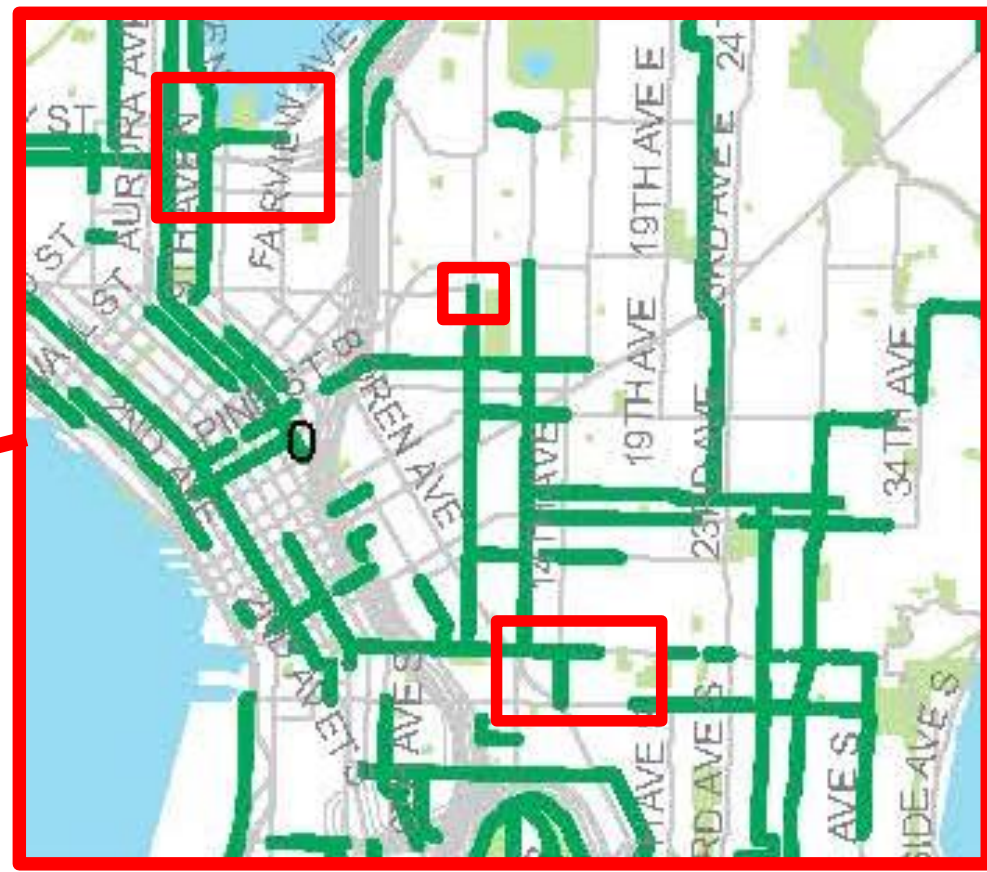
Treatment identification

Treatment criteria

- Physical separation from tracks
- 60 to 90 degree crossings
- Consistent signage and wayfinding



## Seattle's Existing Bike Network



# Background: Seattle's Bicycle Network



# Overview

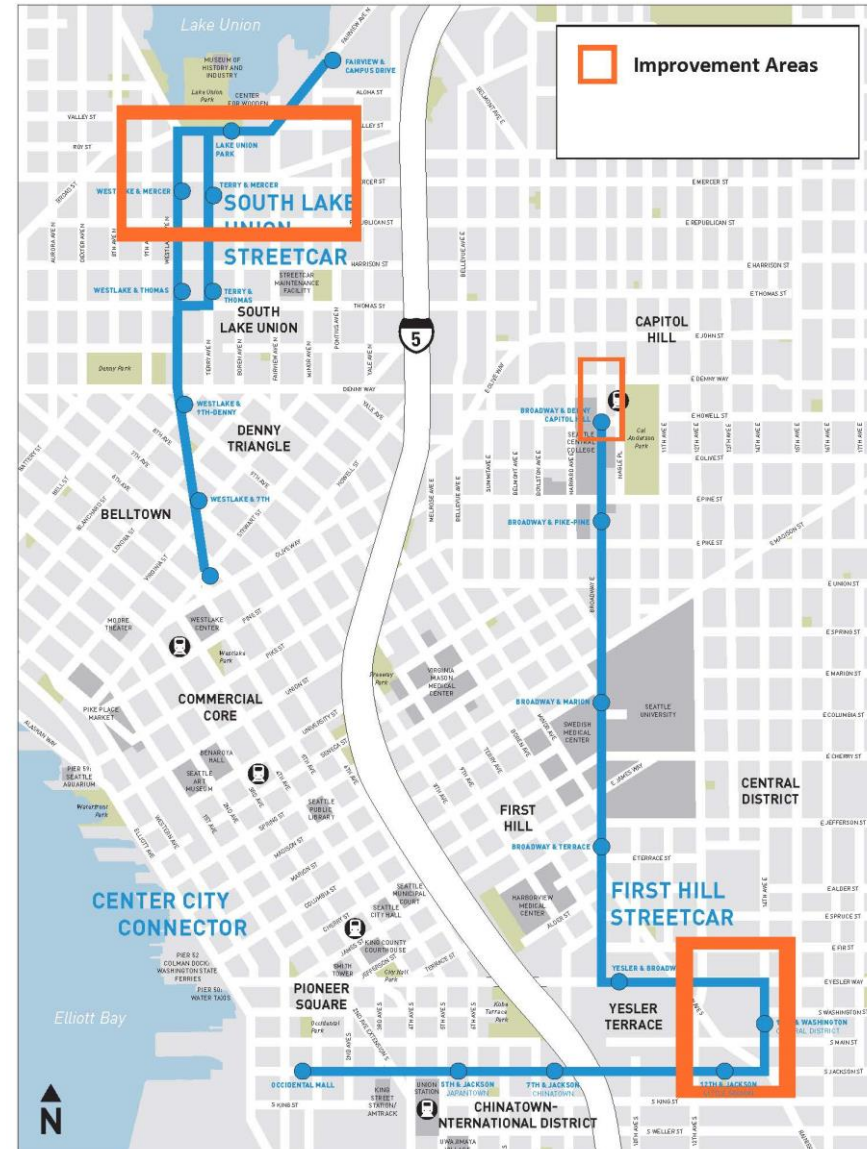
Background

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# Enhancement Areas

- South Lake Union
- Broadway and E Denny Way
- E Yesler Way and 14<sup>th</sup> Ave S

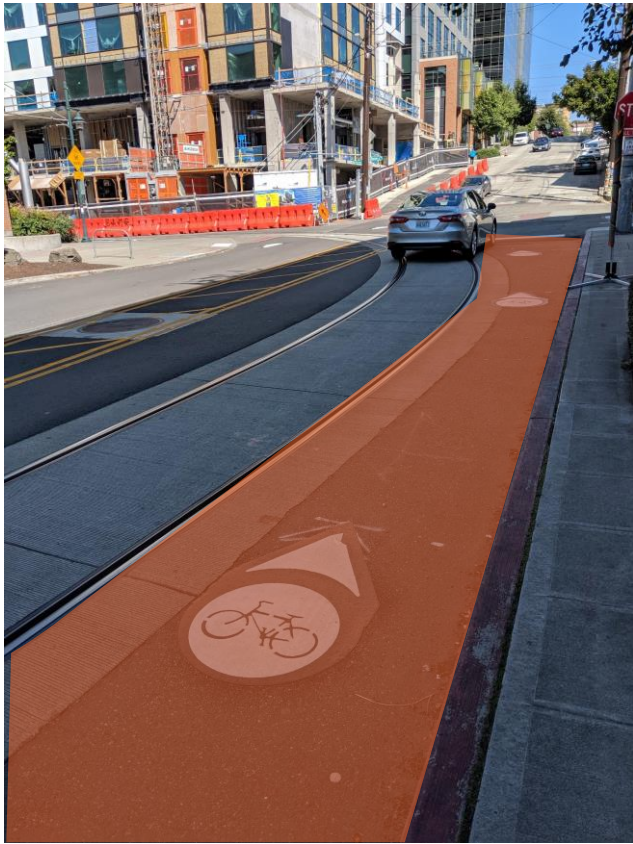


# South Lake Union Enhancements

- Problem: Bike and pedestrian interaction with the streetcar tracks
- Solution:
  - Tactile treatments near the tracks
  - Shared-lane markings
  - Advanced warning signs
- Status: 4 of 5 areas complete as of August 2019

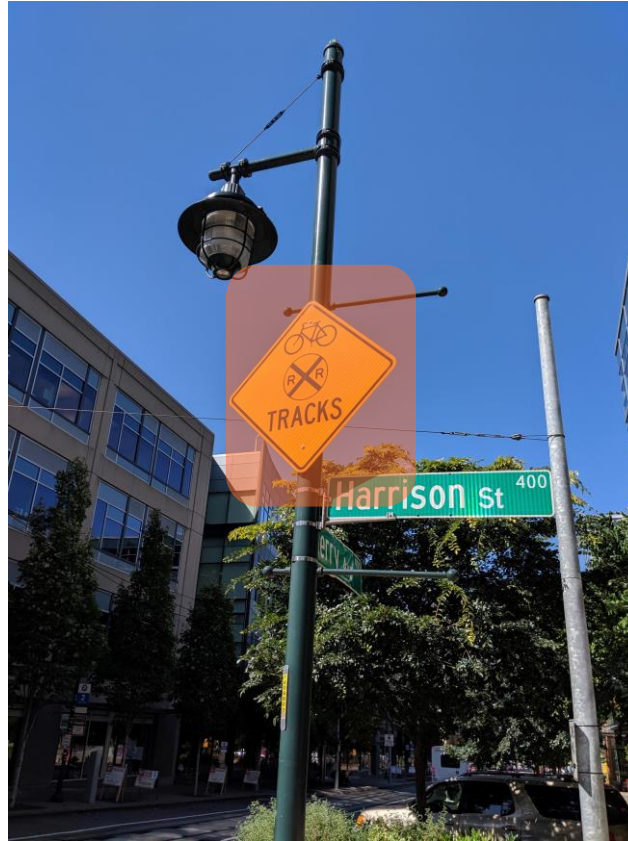
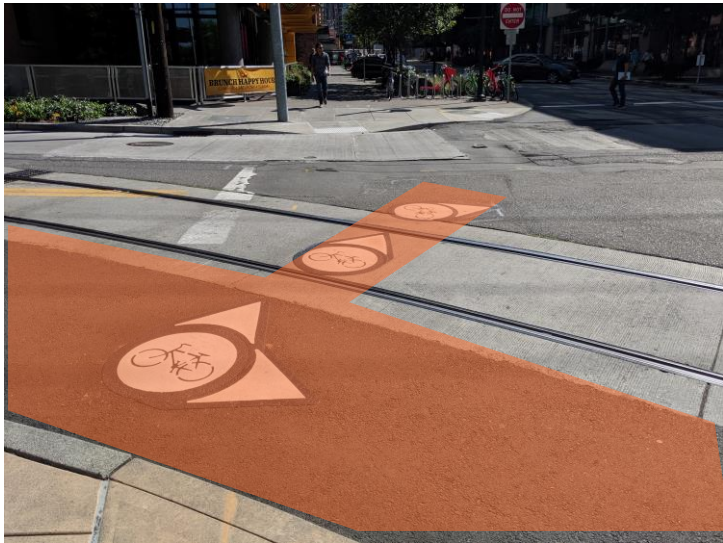






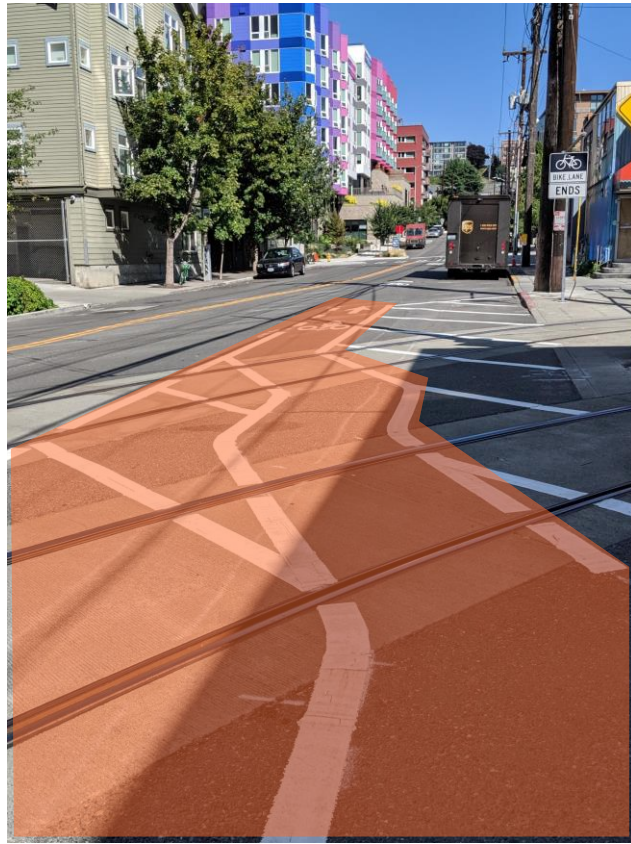
## Thomas St & Terry Ave N Improvements - Complete





## E Harrison St & Terry Ave N Improvements - Complete





# E Harrison St & Fairview Ave Improvements - Complete



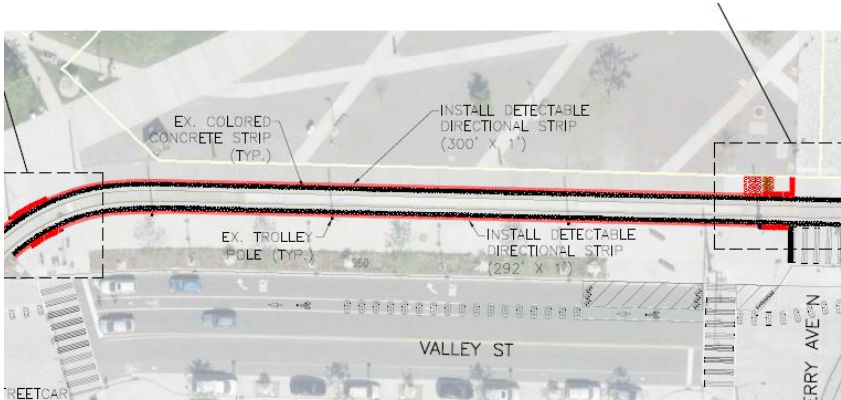
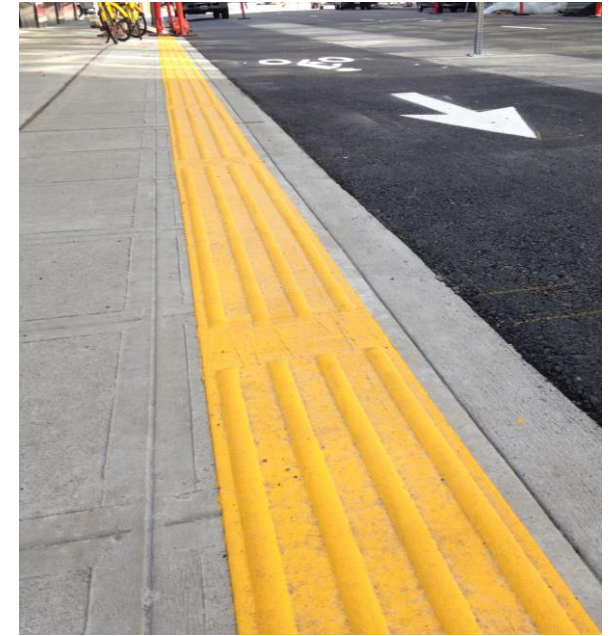


## Valley St & Terry Ave N - Complete



## Valley St & Westlake Ave Improvements - Complete

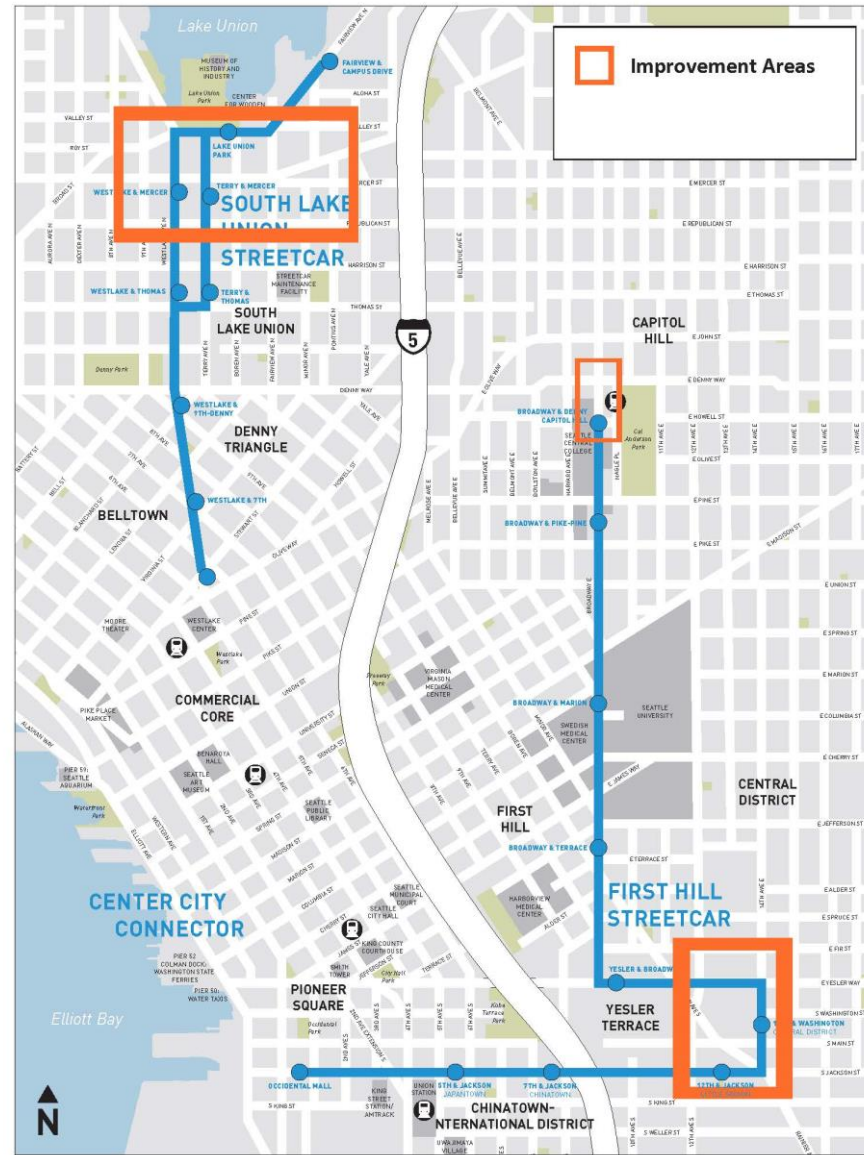




# Valley St between Westlake Ave & Fairview Ave Improvements - Scheduled

# Enhancement Areas

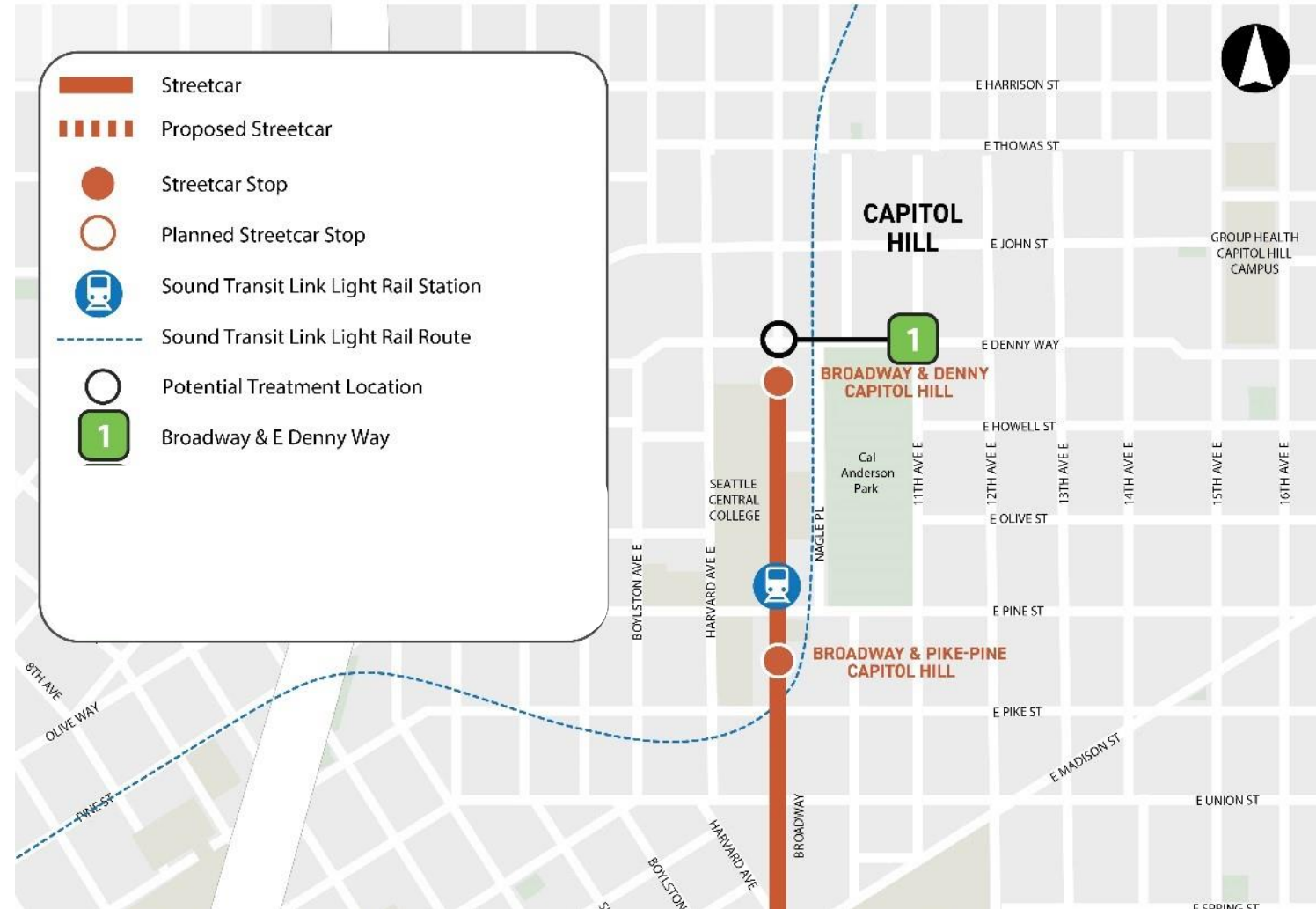
- South Lake Union
- Broadway and E Denny Way
- E Yesler Way and 14<sup>th</sup> Ave S



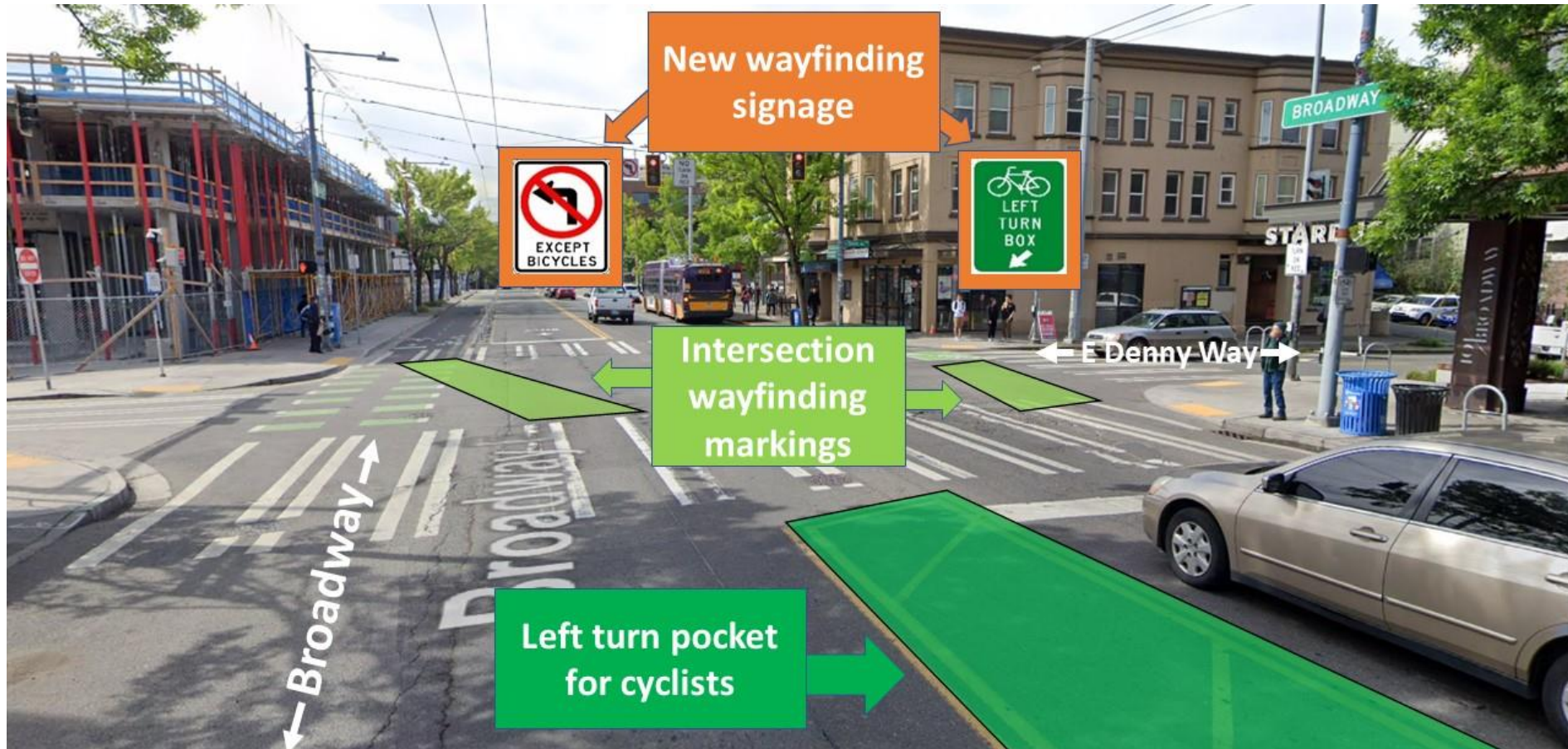


# Broadway and E Denny Way Enhancements

- Problem: People who bike often miss the entrance to the PBL
- Solution:
  - Left turn pocket
  - New signage
  - Wayfinding markings
- Status: Planned for the end of 2019



# Broadway Enhancements





# Enhancement Areas

- South Lake Union
- Broadway and E Denny Way
- E Yesler Way and 14<sup>th</sup> Ave S



# Yesler Way and 14<sup>th</sup> Ave Enhancements

- Problem: Need for maximum separation from streetcar tracks and people who bike
- Solution:
  - Install a PBL on Yesler
  - Install a parking protected bike lane on 14<sup>th</sup>
  - Improve signage
  - Relocate bus stop
  - Remove parking to accommodate new bike lanes
- Status: Planned for the first quarter of 2020

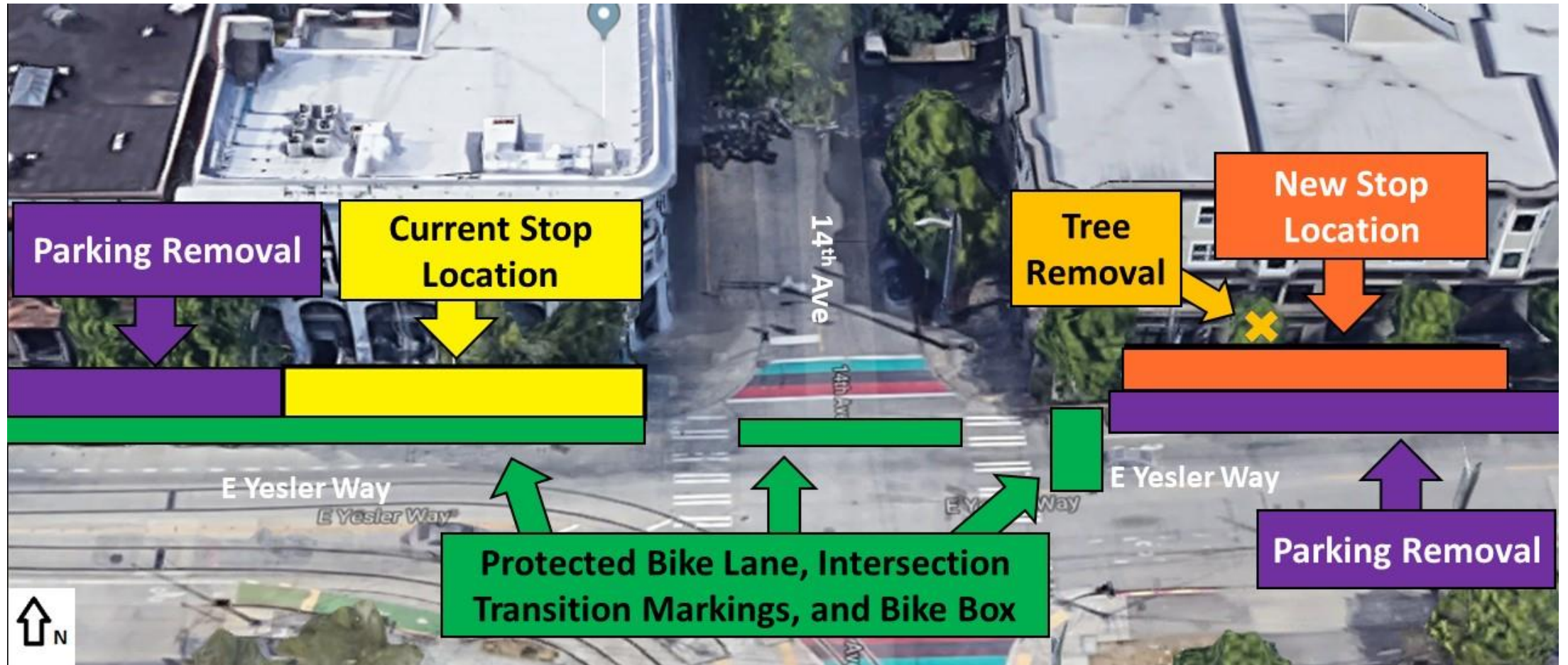


# E Yesler Way and Boren Ave Enhancements

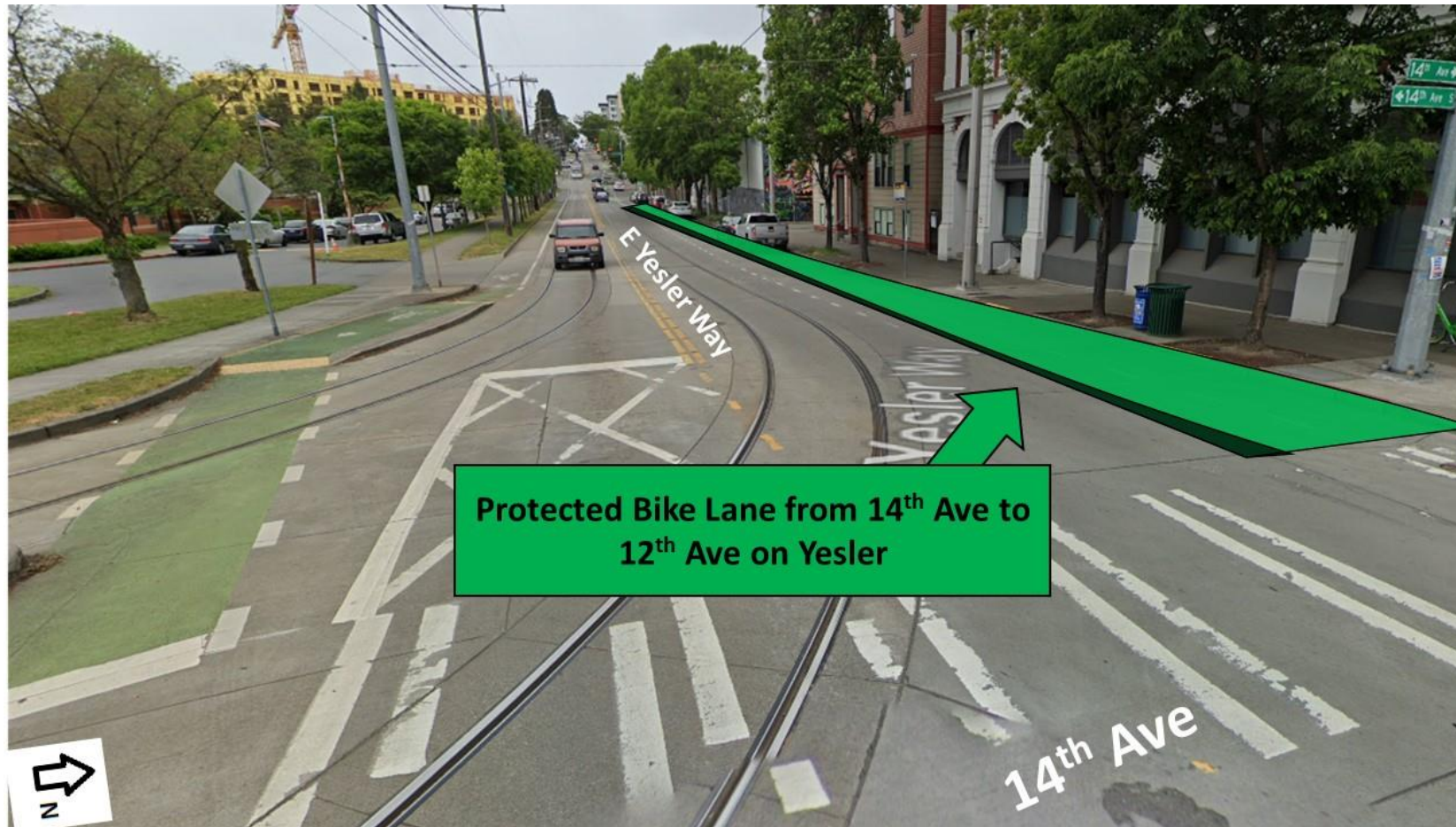




# E Yesler Way and 14<sup>th</sup> Ave Enhancements



# E Yesler Way Enhancements: Protected Bike Lane





# 14<sup>th</sup> Ave E Enhancements





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# Areas of Consideration

- South Lake Union
- Broadway and E Denny Way
- E Yesler Way and 14<sup>th</sup> Ave S

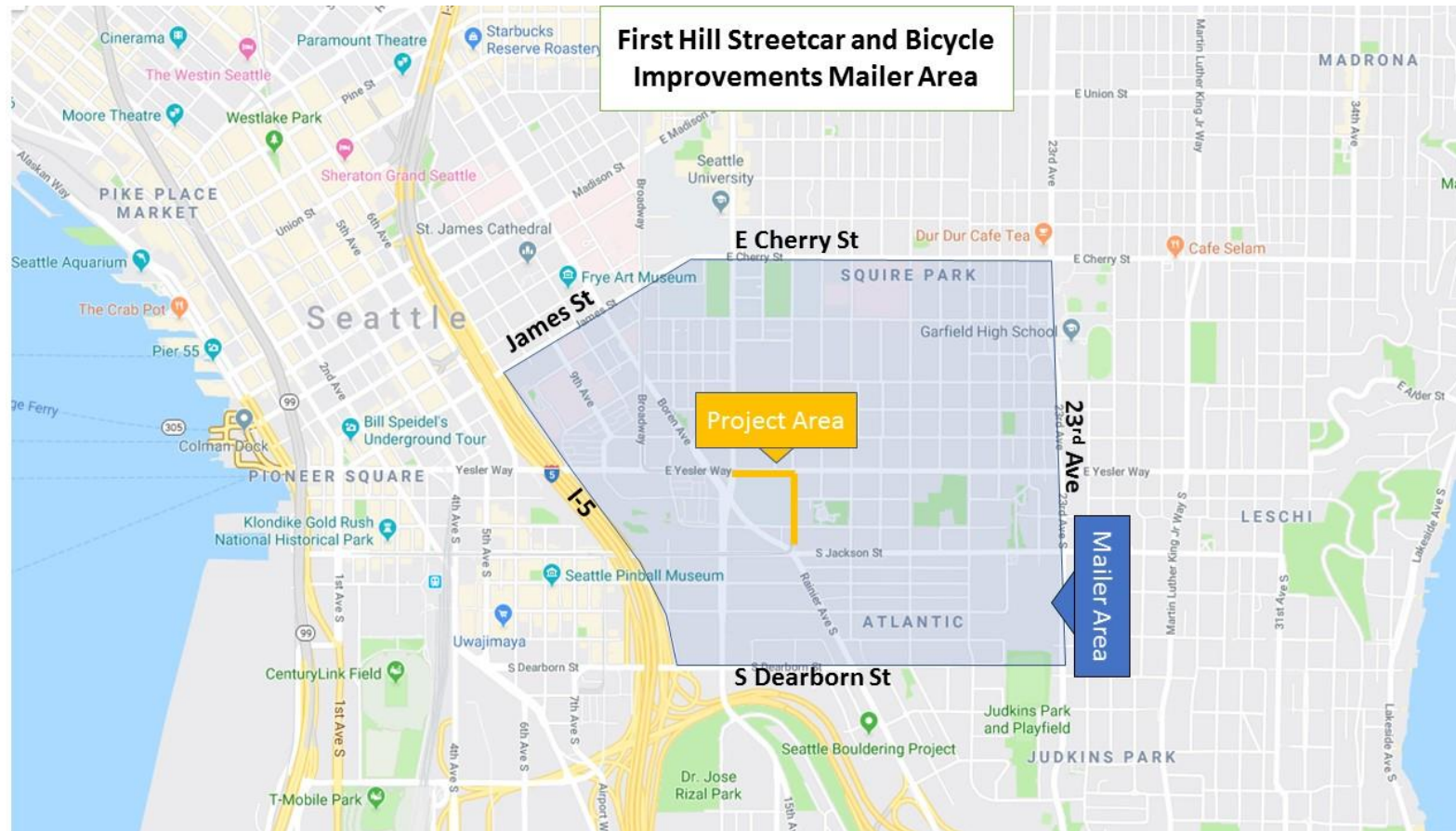


## Next steps

Action	Date
Complete SLU enhancements on Valley St between Fairview Ave and Westlake Ave	Fall 2019
Complete Broadway and Denny enhancements	End of 2019
Complete E Yesler Way and 14 <sup>th</sup> Ave S enhancements	First quarter of 2020



# Community Engagement



# Questions?

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[www.seattle.gov/transportation/projects-and-programs/programs/transit-program/spot-improvements](http://www.seattle.gov/transportation/projects-and-programs/programs/transit-program/spot-improvements)

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# References

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