

# Seattle Streetcar Spot Improvements

How SDOT is Improving Speed and Reliability



Seattle City Council  
March 20, 2018



**Seattle**  
Department of  
Transportation

# Our mission, vision, and core values

**Mission:** deliver a high-quality transportation system for Seattle

**Vision:** connected people, places, and products

Committed to **5 core values** to create a city that is:

- Safe
- Interconnected
- Affordable
- Vibrant
- Innovative

For **all**

# Presentation overview

- Background
- First Hill Streetcar Problems and Solutions
- South Lake Union Streetcar Problems and Solutions
- Next steps

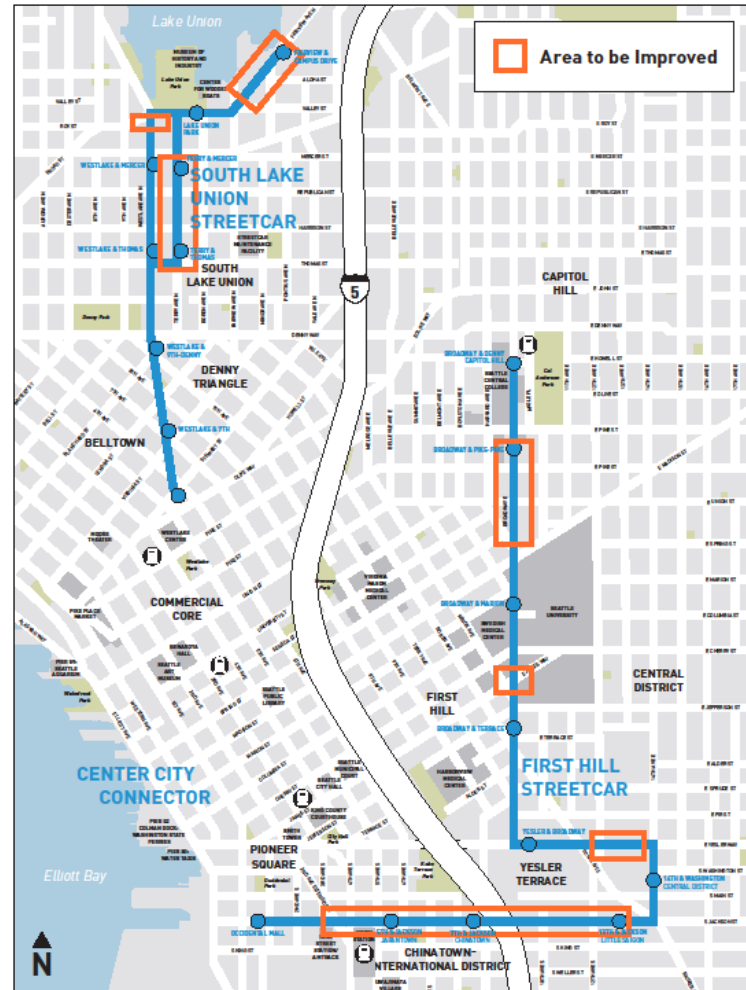
# Background

- In 2016, SDOT began study on how to improve speed and reliability for First Hill Streetcar and South Lake Union Streetcar
- Six problem areas and solutions were identified
- In 2017, SDOT began installing improvements
- Outreach is underway for remainder of the projects
- Improvements are funded by Move Seattle Transit Spot Improvement program

# First Hill Streetcar

## Problem Areas:

- Jackson Street
- Yesler Way
- Broadway





# Jackson Street

## Problem:

- Delay from vehicles and lack of transit signal priority

## Solution:

- Install transit signal priority @ 2<sup>nd</sup>, 5<sup>th</sup>, 7<sup>th</sup>, and Maynard
- Restrict on-street parking between 12<sup>th</sup> Ave and 14<sup>th</sup> Avenue

## Status:

- Project Completed



# Yesler Way

## Problem:

Delay caused by vehicles and signal timing

## Solution:

- Yesler/Boren: restrict afternoon peak (3-7 pm) left turning vehicles (eastbound and westbound)
- Yesler/12<sup>th</sup>: restrict left turning vehicles
- Yesler/14<sup>th</sup>: Synchronize signal and improve stop bar visibility

## Status:

- Project Completed



# Broadway

## Problem:

Delay caused by vehicles blocking streetcar

## Solution:

- Modify signal at James Street
- Install streetcar-only lane between Pine and Madison

## Status:

- Outreach underway





# South Lake Union Streetcar

## Problem Areas:

- Broad/Westlake
- Fairview Avenue
- Terry Avenue



# Broad Street/Westlake Avenue

## Problem:

Vehicles block streetcar track

## Solution:

Restrict right-turning vehicles during afternoon peak period

## Status:

- Expected implementation - Summer 2018



# Fairview Avenue

## Problem:

Delay caused by vehicles blocking streetcar

## Solution:

Install streetcar-only lane on Fairview

## Status:

- Project to be incorporated with Roosevelt Rapid Ride



# Terry Avenue

## Problem:

Delay from vehicles blocking streetcar track

## Solution:

Install streetcar-only lane on Terry Ave between Thomas and Mercer and restrict turning movements on Terry Ave

## Status:

- Outreach underway





# Summary of Improvements

Location	Proposed Improvement	Streetcar Benefit	Estimated Cost
Broadway (between Pine and Madison)	Southbound transit-only lane and red-painted treatment	Reduce travel time by approximately 2-3 minutes per trip during PM peak period	\$200k
East Yesler Way (between Boren and 14 <sup>th</sup> Avenue)	Yesler/Boren: restrict afternoon peak left turning vehicles (eastbound and westbound)  Yesler/12 <sup>th</sup> : restrict left turning vehicles  Yesler/14 <sup>th</sup> : Synchronize signal and improve stop bar visibility	Reduce travel time between 20 and 50 seconds per trip during PM peak period	\$75k
South Jackson Street (between Occidental and 14 <sup>th</sup> Avenue)	Transit signal priority at 2 <sup>nd</sup> , 5 <sup>th</sup> , and Maynard  Restrict on-street parking east of 12 <sup>th</sup> Avenue	Reduce travel between 40 and 70 seconds per trip during PM peak period	\$50k
Broad Street/Westlake Ave	Restrict southbound right turning vehicles	Reduce travel time by 2 minutes per trip during PM peak period	\$5k
Terry Avenue (between Mercer Street and Thomas Street)	Northbound transit-only lane  Restrict eastbound left turns from Thomas Street to Terry Ave	Reduce travel time between 1 and 2 minutes per trip during PM peak period	\$100k
Fairview Avenue (between Yale and Valley Street)	Southbound transit-only lane	Reduce travel time 6 minutes per trip during PM peak period	Project to be incorporated into Roosevelt Bus Rapid Transit project

# Next steps

Action	Date
Complete installation of transit signal priority on Jackson Street	Spring 2018
Conduct outreach for proposed streetcar-only lanes on Broadway and Terry Avenue	Spring 2018
Install remaining improvements	Fall 2018 – Winter 2019

# Questions?

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[www.seattle.gov/transportation/transit.htm](http://www.seattle.gov/transportation/transit.htm)

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