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
<table>
<thead>
<tr>
<th>Streetcar Line</th>
<th>Serious Injury Crashes</th>
<th>Injury Crashes</th>
<th>Total Reported Crashes</th>
</tr>
</thead>
<tbody>
<tr>
<td>South Lake Union</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>First Hill</td>
<td>5</td>
<td>11</td>
<td>16</td>
</tr>
</tbody>
</table>
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
Background: Seattle’s Bicycle Network
Enhancement Areas

- South Lake Union
- Broadway and E Denny Way
- E Yesler Way and 14th 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 14th 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

- New wayfinding signage
- Intersection wayfinding markings
- Left turn pocket for cyclists

E Denny Way
Enhancement Areas

- South Lake Union
- Broadway and E Denny Way
- E Yesler Way and 14th Ave S
Yesler Way and 14th 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 14th
  - 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 Enhancements: Protected Bike Lane

Protected Bike Lane from 14th Ave to 12th Ave on Yesler
14th Ave E Enhancements

Parking Protected Bike Lane

City of Seattle
Department of Transportation
Overview

Background

Enhancement Areas

Next Steps
Areas of Consideration

- South Lake Union
- Broadway and E Denny Way
- E Yesler Way and 14th Ave S
<table>
<thead>
<tr>
<th>Action</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete SLU enhancements on Valley St between Fairview Ave and Westlake Ave</td>
<td>Fall 2019</td>
</tr>
<tr>
<td>Complete Broadway and Denny enhancements</td>
<td>End of 2019</td>
</tr>
<tr>
<td>Complete E Yesler Way and 14th Ave S enhancements</td>
<td>First quarter of 2020</td>
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Community Engagement
Questions?

Daniel.osterhage@seattle.gov | (206)684-4384
www.seattle.gov/transportation/projects-and-programs/programs/transit-program/spot-improvements

www.seattle.gov/transportation
References


