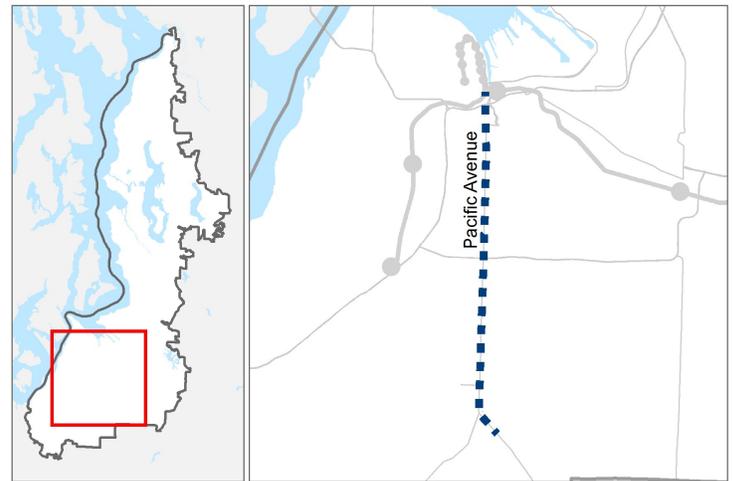


# Bus Capital Enhancements for Speed, Reliability and Convenience along Pacific Avenue (Tacoma)

Subarea	Pierce
Primary Mode	Bus
Facility Type	ST Express
Length	14 miles
Date Last Modified	July 1, 2016

## PROJECT AREA AND REPRESENTATIVE ALIGNMENT



### SHORT PROJECT DESCRIPTION

This project would provide a capital contribution to Pierce Transit for bus capital enhancements for speed, reliability, and convenience along Pacific Avenue/SR7 in Tacoma and Pierce County.

*Note: The elements included in this representative project will be refined during future phases of project development and are subject to change.*

### KEY ATTRIBUTES

<b>REGIONAL LIGHT RAIL SPINE</b> <i>Does this project help complete the light rail spine?</i>	No
<b>CAPITAL COST</b> <i>Cost in Millions of 2014 \$</i>	\$60
<b>RIDERSHIP</b> <i>2040 daily project riders</i>	N/A
<b>PROJECT ELEMENTS</b>	<ul style="list-style-type: none"> <li>Capital contribution to Pierce Transit toward enhancements for bus services using Pacific Ave./SR7, for implementation by Pierce Transit. Potential capital enhancements could include:                             <ul style="list-style-type: none"> <li>- Transit treatments (transit signal priority, transit queue jump lanes and/or BAT lanes)</li> <li>- Bus stop stations with weather protection, passenger seating, and lighting</li> <li>- Off-board fare payment options and/or ORCA card readers</li> <li>- Real-time next bus arrival information</li> <li>- Level boarding and alighting platforms</li> <li>- A park-and-ride and bus turnaround facility at the southern terminus of the route</li> <li>- 1 percent for art per Sound Transit Policy</li> </ul> </li> </ul>
<b>NOT INCLUDED</b>	<ul style="list-style-type: none"> <li>Purchase of vehicles or additional maintenance capacity</li> <li>Operations and maintenance costs (which are the responsibilities of Pierce Transit)</li> <li>See separate document titled "Common Project Elements"</li> </ul>
<b>ISSUES &amp; RISKS</b>	Pierce Transit will serve as the lead agency for this project

# Bus Capital Enhancements for Speed, Reliability and Convenience along Pacific Avenue (Tacoma)

Sound Transit developed a conceptual scope of work for this project based on a concept developed by Pierce Transit. This information was developed to assist the Sound Transit Board as it developed the ST3 system plan, including phasing of investments and financial plan, for voter consideration. Final decisions on project elements will be determined after completion of system planning, project level environmental review, and preliminary engineering during which additional opportunities for public participation will be provided.

## Long Description:

This project would be a capped contribution by Sound Transit to Pierce Transit toward a project along Pacific Avenue/SR 7 (where Pierce Transit Route 1 currently operates), providing capital improvements that support efficient flow of buses, such as traffic signal pre-emption, exclusive bus lanes, stop amenities/station improvements, etc. A Pacific Avenue/SR 7 BRT route would provide direct connections between downtown Tacoma, Tacoma Dome Sounder Station and transit hub, central/south Tacoma, Parkland and Spanaway areas. Business access and transit (BAT) lanes could be constructed at various segments along the corridor comprising approximately 50 percent of the corridor length.

## Assumptions:

Pierce Transit would be responsible for all environmental review, design, construction, operation, and maintenance implementation and costs.

## Environmental:

Pierce Transit will be the lead agency for this project and as such will bear responsibility for compliance with any required project-level local, state and federal environmental review and documentation, and implementation of any required mitigation measures. The lead agency also bears responsibility to obtain and meet the conditions of all required local, state, and federal permits and approvals.

## Utilities:

Pierce Transit will be the lead agency for utility relocation as needed to complete the project, including fiber optics, sewer, water, overhead electric/communications, etc.

## Right-of-Way and Property Acquisition:

Pierce Transit will be the lead agency for right-of-way acquisition which could be required to widen Pacific Avenue at intersections where transit queue jump lanes or BAT lanes are provided.

## Potential Permits/Approvals Needed:

- WSDOT approval
- Building permits: Electrical, Mechanical, Plumbing
- Utility connection permits
- Construction-related permits (clearing and grading, stormwater management, street use, haul routes, use of city right-of-way)
- Land use approvals (Conditional use, design review, site plans, Comprehensive Plan or development code consistency, Special Use Permits)
- All required local, state, and federal environmental permits
- NEPA/SEPA and related regulations

## Project Dependencies:

N/A

## Potential Project Partners:

- WSDOT
- City of Tacoma
- Pierce County
- Transit partner serving project: Pierce Transit

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## Cost:

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In Millions of 2014\$

ITEM	COST	COST WITH RESERVE
Agency Administration		
Preliminary Engineering & Environmental Review		
Final Design & Specifications		
Property Acquisition & Permits		
Construction		
Construction Management		
Third Parties		
Vehicles		
Contingency		
<b>Total</b>		<b>\$60</b>

**Design Basis:**

Conceptual

The costs expressed above include allowances for TOD planning and due diligence, Sustainability, Bus/rail integration facilities, and Non-Motorized Access. These allowances, as well as the costs for Parking Access included above, are reflected in the following table. Property acquisition costs are not included in the table below, but are included within the total project cost above. For cost allowances that are not applicable for this project, "N/A" is indicated.

ITEM	COST	COST WITH RESERVE
TOD planning and due diligence	N/A	N/A
Sustainability	N/A	N/A
Parking access	N/A	N/A
Non-motorized (bicycle/pedestrian) access	N/A	N/A
Bus/rail integration facilities	N/A	N/A

# Bus Capital Enhancements for Speed, Reliability and Convenience along Pacific Avenue (Tacoma)

## Evaluation Measures:

MEASURE	MEASUREMENT/RATING	NOTES
 <b>Regional Light Rail Spine</b> <i>Does project help complete regional light rail spine?</i>	No	
 <b>Ridership</b> <i>2040 daily project riders</i>	N/A	
 <b>Capital Cost</b> <i>Cost in Millions of 2014 \$</i>	\$60	
 <b>Annual O&amp;M Cost</b> <i>Cost in Millions of 2014 \$</i>	N/A	Pierce Transit responsible for all costs
 <b>Travel Time</b> <i>In-vehicle travel time along the project (segment)</i>	N/A	
 <b>Reliability</b> <i>Percentage of alignment/route in exclusive right-of-way</i>	Medium	Could use BAT lanes and other transit system priority treatments
 <b>System Integration</b> <i>Qualitative assessment of issues and effects related to connections to existing local bus service and potential future integration opportunities</i>	N/A	
	<b>Ease of Non-motorized Access</b> <i>Qualitative assessment of issues and effects related to non-motorized modes</i>	N/A
	<b>Percent of Non-motorized Access</b> <i>Percent of daily boardings</i>	N/A
 <b>Connections to PSRC-designated Regional Centers</b> <i>Number of PSRC-designated regional growth and manufacturing/industrial centers served</i>	1 center	Regional Growth Center: Tacoma Downtown
	<b>Land Use and Development/TOD Potential</b> <i>Quantitative/qualitative assessment of adopted Plans &amp; Policies and zoning compatible with transit-supportive development within 0.5 mile of potential stations</i>	N/A
	<i>Qualitative assessment of real estate market support for development within 1 mile of potential corridor</i>	
	<i>Density of activity units (population and employment for 2014 and 2040) within 0.5 mile of potential stations</i>	
 <b>Socioeconomic Benefits</b> <i>Existing minority / low-income populations within 0.5 mile of potential stations</i>  <i>2014 and 2040 population within 0.5 mile of potential stations</i>  <i>2014 and 2040 employment within 0.5 mile of potential stations</i>	N/A	

For additional information on evaluation measures, see <http://soundtransit3.org/document-library>