

Criteria	Measure	Do Nothing	Low (Bus Emphasis)	Medium (Bus/Rail)	Med-High (Rail Emphasis)	High (Rail Emphasis)
Ridership	Annual ST transit trips (millions, 2030)	58	61	92	104	106
	Annual new riders (millions, 2030)	0.0	1.7	10.6	17.4	20.0
	Daily transit volumes across specific screenlines (2030)					
	Ship Canal	122,000	124,000	135,000	137,000	139,000
	Cross-Lake	31,000	31,000	41,000	45,000	46,000
South Seattle	75,000	76,000	82,000	87,000	88,000	
Capital Cost	Percentage of ST2 costs dedicated to capital (2030)	N/A	79%	83%	86%	91%
	Capital costs through ST2 horizon year (2005 \$M)	0	1,513	5,800	7,500	9,880
	Added HCT capital cost per added HCT boarding (2005 \$)	\$0.00	\$0.00	\$4.64	\$5.49	\$6.77
O&M Cost	Percentage of ST2 costs dedicated to O&M (2030)	N/A	21%	17%	14%	9%
	Added annual O&M cost in ST2 horizon year (2005 \$M)	\$0	\$9	\$62	\$70	\$111
	Added HCT O&M cost per added HCT boarding (2005 \$)	\$0.00	\$0.00	\$1.47	\$1.64	\$2.12
Connectivity, Mobility and Integration	Opportunities to restructure <i>ST Express</i> bus routes (2030)	Low (3 routes)	Low (3 routes)	Medium (6 to 7 routes)	High (13 to 15 routes)	High (13 to 15 routes)
	2030 Percentage of low-income households (i.e., lowest income quartile) within 1/2 mile of an exclusive right of way HCT station (actual number)		6% (24,000)	10% (39,000)	9% (36,000)	9% (35,000)
	Percentage of minority households within 1/2 mile of an exclusive right-of-way station (2000)		3% (21,000)	6% (39,000)	7% (41,000)	7% (41,000)
	2030 Percentage of population within 1/2 mile of an exclusive right-of-way HCT station (actual number)		3% (95,000)	5% (184,000)	5% (182,000)	5% (181,000)
	2030 Percentage of employment within 1/2 mile of an exclusive right-of-way HCT station (actual number)		8% (183,000)	15% (335,000)	15% (345,000)	16% (359,000)
Risk Avoidance	OVERALL RISK AVOIDANCE	N/A	High	Low	Low	Low
	Avoidance of high risk components, including construction risks (e.g., tunnels, bridges)	N/A	High	Low	Low	Low
	Avoidance of partner risks (e.g., co-funding availability, partner projects that must precede, multi-party agreements required)	N/A	High	Medium	Low	Low
	Avoidance of unusual/special permits and environmental clearances	N/A	Medium	Low	Low	Low

EVALUATION CRITERIA PRIORITIZED BY THE ST BOARD

Criteria	Measure	Do Nothing	Low (Bus Emphasis)	Medium (Bus/Rail)	Med-High (Rail Emphasis)	High (Rail Emphasis)
Travel time and reliability	User Benefit -- Annual Travel Time Savings (millions of hours, 2030)	0.0	1.4	9.9	16.5	19.1
Land Use and Development	Percentage of PSRC-designated centers directly connected by exclusive right-of-way HCT (2030)	35%	35%	42%	48%	55%
	PSRC-designated centers connected by exclusive right-of-way HCT (2030)		Auburn, Everett, Kent, Lakewood, Puyallup, Seattle, First/Capitol Hill, UW, Tacoma and Tukwila	Auburn, Everett, Kent, Lakewood, Puyallup, Seattle, First/Capitol Hill, UW, Tacoma, Tukwila, Bellevue and Northgate	Auburn, Everett, Kent, Lakewood, Puyallup, Seattle, First/Capitol Hill, UW, Tacoma, Tukwila, Bellevue, Northgate, Federal Way and Redmond-Overlake	Auburn, Everett, Kent, Lakewood, Puyallup, Seattle, First/Capitol Hill, UW, Tacoma, Tukwila, Bellevue, Northgate, Federal Way, Redmond-Overlake, Lynnwood, and Redmond
	Percent of all centers' employment connected/served by exclusive right-of-way HCT (2030)	50%	50%	60%	65%	70%
	Percent of all centers' population connected/served by exclusive right-of-way HCT (2030)	57%	57%	68%	70%	78%
	Coordination of existing land uses, ST2 services & facilities, and projected future development	N/A	Low	Medium	High	High
	Estimated acreage of property acquisition outside of public rights-of-way -- <i>Opportunities for transit and pedestrian friendly land development</i>	0	30	90	180	200
Environmental Benefits	Hydrocarbons reduced annually (tons, 2030)	N/A	98	537	883	1,060
	Carbon monoxide reduced annually (tons, 2030)	N/A	754	4,110	6,763	7,816
	Gasoline consumption reduced annually (millions of gallons, 2030)	N/A	1	8	13	16
	Annual highway vehicle miles of travel saved (millions, 2030)	N/A	29	158	260	310
Customer Experience	Percentage of ST boardings occurring at HCT stations (e.g., experience of short wait times, reliability of boarding time, high awareness of schedule, lighting, security, comfort)	73%	70%	85%	88%	91%