

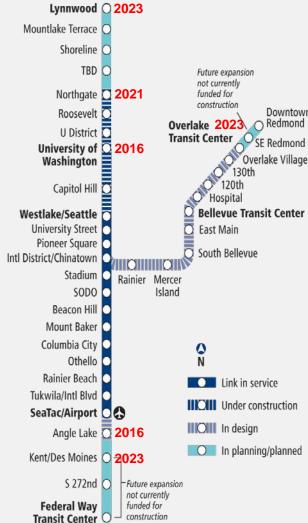


Agenda

- University Link Update
- ST3
 - Focus on projects in Seattle
 - Financial plan options
 - Next Steps and Opportunities for Engagement

Regional Link light rail expansion





University Link

Stations – Capitol Hill & UW

Length: 3.15 miles connects downtown Seattle to UW (Husky Stadium)

Construction type: Twin-bored tunnels

Budget: \$1.9 billion

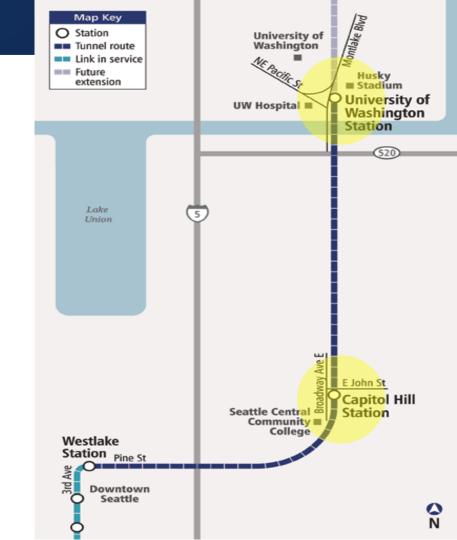
(Federal Funding - \$813m)

Rider projection: 71,000 daily riders by 2030, bringing the system-wide total to 114,000.

Opening: 1Q 2016

UW to Westlake – 8 min Capitol Hill to Westlake – 4 min

Trains every 6 minutes during peak





UW Station







Capitol Hill Station







Capitol Hill Station — Transit-oriented development (TOD)





ST3 Timeline

2015

Draft Priority Projects List May 2015

Public Input on Draft Priority Projects List

June – July 2015

Public Involvement

Board advances ST3 Candidate Projects

Aug. 2015

Detailed evaluation of **ST3 Candidate Projects**

Aug. - Dec. 2015

2016

Draft System Plan Jan - Mar. 2016



Public Input on Draft System Plan

April 2016

Public Involvement

Final System Plan Development

Apr.- May 2016

Adopt System Plan

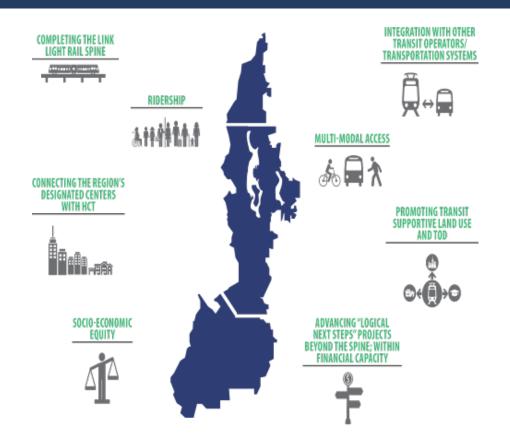
June 2016

Possible Public Vote on System Plan

Nov. 2016



ST Board's Core Priorities for ST3





<u> </u>	Regional Light Rail Spine Does project help complete regional light rail spine?
\$114 111 11	Ridership 2040 daily station boardings / 2040 daily project riders
\$	Capital Cost Cost in Millions of 2014\$
\$	Annual O&M Cost Cost in Millions of 2014\$
<u></u>	Travel Time In-vehicle travel time along the project (segment)
ON TIME	Reliability Quantitative/qualitative assessment of alignment/route in exclusive right-of-way
Ā↔	System Integration Qualitative assessment of issues and effects related to connections to local bus service and potential future integration opportunities



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- Daily project riders:
 How many are using the project to travel in the corridor?
- Daily boardings: What are the boardings per station(s)?



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 Project cost estimate, plus 7% project reserve





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- High: 100% grade-separated
- Medium-High: At-grade rail portions; BRT in managed lanes/express lanes
- Medium: Arterial bus-only or Business Access Transit (BAT) Lanes
 - Low to Medium-Low:
 Limited BAT lanes and/or
 intersection or spot
 improvements



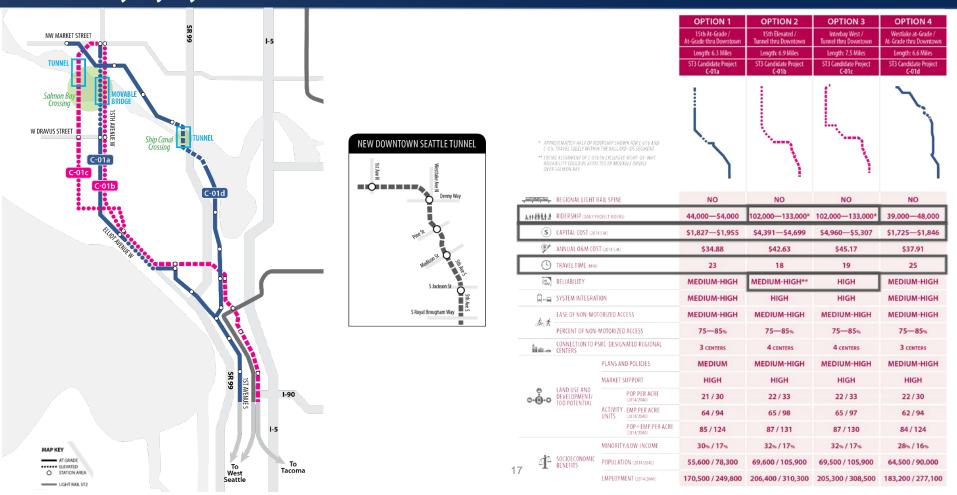
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ON TIME	Reliability Quantitative/qualitative assessment of alignment/route in exclusive right-of-way
∄↔≘	System Integration Qualitative assessment of issues and effects related to connections to local bus service and potential future integration opportunities

 Coordinating with ST Transit partners regarding specific elements to be included in Draft Plan

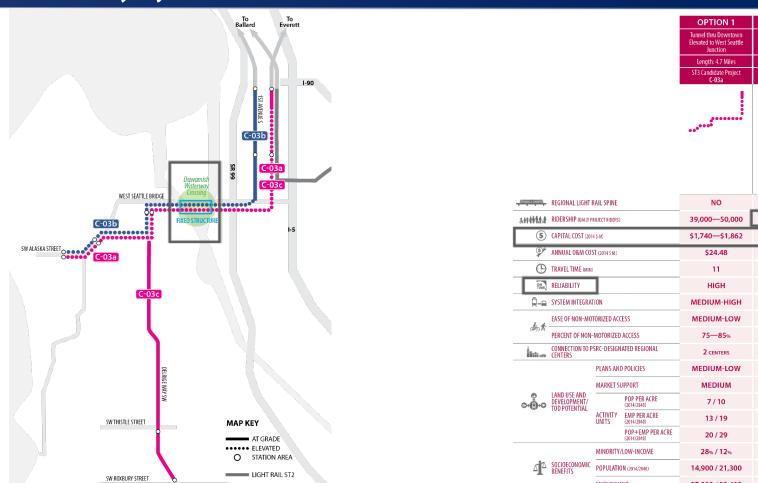


Review of ST3 Candidate Projects City of Seattle

C-01a,b,c,d: Ballard to downtown Seattle LRT



C-03a,b,c: W. Seattle to downtown Seattle LRT



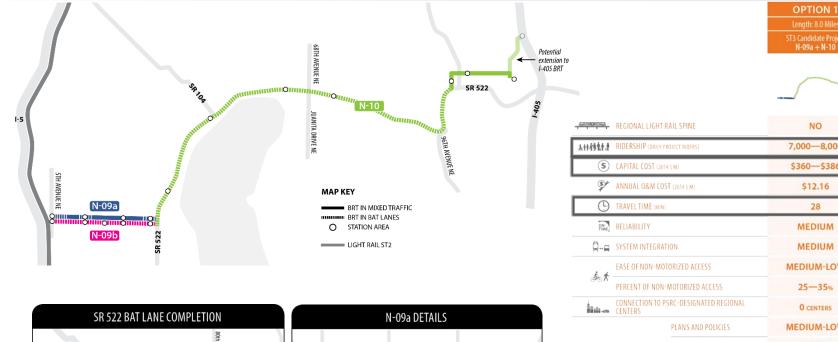
OPTION 2

OPTION 3

N-09, N-10: 145th/SR 522 BRT



OPTION 2



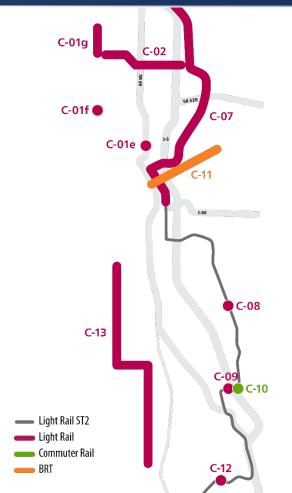




				- January	And the second s
	REGIONAL LIGHT F	RAIL SPINE		NO	NO
4.114441A	RIDERSHIP (DAILY P	ROJECT RIDERS)		7,000—8,000	7,000—8,000
\$	CAPITAL COST (201	4 S M)		\$360—\$386	\$416—\$446
\$	ANNUAL 0&M COS	T (2014 \$ M)		\$12.16	\$12.24
<u>(L)</u>	TRAVEL TIME (MIN)			28	27
ON TIME	RELIABILITY			MEDIUM	MEDIUM
₽	SYSTEM INTEGRAT	TION		MEDIUM	MEDIUM
	EASE OF NON-MO	TORIZED ACC	CESS	MEDIUM-LOW	MEDIUM-LOW
<i>≸</i> 6.1₹	PERCENT OF NON-MOTORIZED ACCESS			25—35%	25-35%
line-on	CONNECTION TO P	SRC-DESIGN	IATED REGIONAL	O CENTERS	O CENTERS
		PLANS AN	D POLICIES	MEDIUM-LOW	MEDIUM-LOW
	LAND USE AND DEVELOPMENT/ TOD POTENTIAL	MARKET S	UPPORT	MEDIUM	MEDIUM
⊕• Θ•Θ•ο		ACTIVITY UNITS	POP PER ACRE (2014/2040)	7/9	7/9
•			EMP PER ACRE (2014/2040)	2/3	2/3
			POP+EMP PER ACRE (2014/2040)	9/12	9/12
		MINORITY	/LOW-INCOME	33% / 12%	33% / 12%
4	SOCIOECONOMIC BENEFITS	POPULATION (2014/2040)		23,700 / 29,800	23,700 / 29,90
_	19	EMPLOYM	ENT (2014/2040)	6,800 / 10,100	6,900 / 10,200

Additional Central Projects



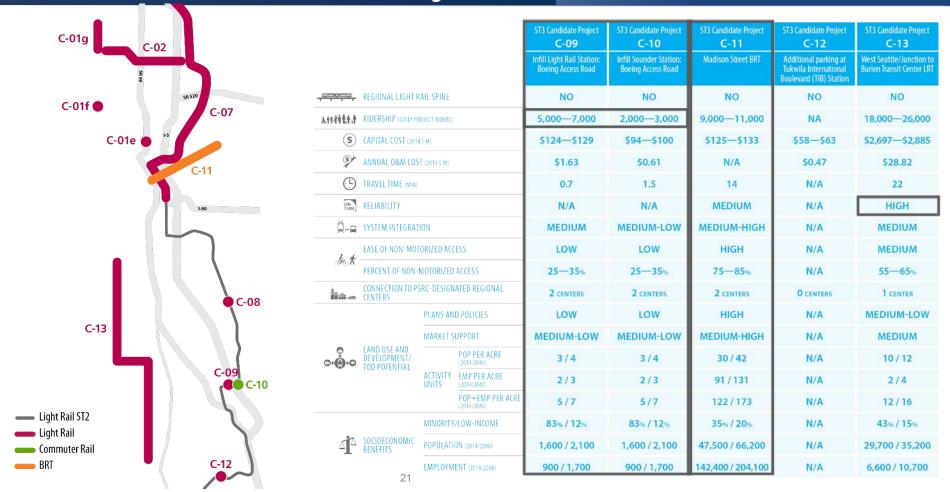


	REGIONAL LIGHT R	AIL SPINE			
3.1149 1 14.0	RIDERSHIP (DAILY PR	OJECT RIDERS)			
(\$)	CAPITAL COST (2014	S M)			
\$	ANNUAL 0&M COS	T (2014 S M)			
(-1)	TRAVEL TIME (MIN)				
ON TIME	RELIABILITY				
₽	SYSTEM INTEGRAT	ION			
泰大	EASE OF NON-MOTORIZED ACCESS				
Ø\$0 X.	PERCENT OF NON-MOTORIZED ACCESS				
Nata	CONNECTION TO PS CENTERS	SRC-DESIGN	ATED REGIONAL		
		PLANS AND POLICIES			
		MARKET SUPPORT			
○ • ⊕•○ ô	LAND USE AND DEVELOPMENT/ TOD POTENTIAL		POP PER ACRE (2014/2040)		
		ACTIVITY UNITS	EMP PER ACRE (2014/2040)		
			POP+EMP PER ACRE (2014/2040)		
		MINORITY	/LOW-INCOME		
Ť	SOCIOECONOMIC BENEFITS	POPULATION (2014/2040)			
	20 EMPLOYMENT (2014/2040)				

ST3 Candidate Project C-01e	ST3 Candidate Project C-01f	ST3 Candidate Project C-01g	ST3 Candidate Project C-02	ST3 Candidate Project C-07	ST3 Candidate Project C-08
Additional potential light rail station in the vicinity of SR 99 and Harrison Street	Additional potential light rail station in Interbay	Additional LRT extension and potential station to the Ballard High School/65th Vicinity	Ballard to University District LRT	Transit Tunnel (International District to Northgate) improvements enabling increases in system frequency	Infill Light Rail Station: Graham Street
NO	NO	NO	NO	YES	NO
2,500—3,500	< 1,000	4,000—5,000	19,000—24,000	N/A	3,000—4,000
\$367—\$393	\$90—\$97	\$351—\$375	\$2,939—\$3,145	\$20—\$21	\$66—\$71
\$2.37	\$1.30	\$2.53	\$17.16	N/A	\$1.63
0.7	0.7	2	7	N/A	0.7
N/A	N/A	HIGH	HIGH	N/A	N/A
MEDIUM-HIGH	LOW	MEDIUM	MEDIUM-HIGH	N/A	MEDIUM-LOW
MEDIUM	MEDIUM-LOW	MEDIUM-HIGH	MEDIUM-HIGH	N/A	MEDIUM
70—80%	70-80%	70—80%	70-80%	N/A	70-80%
2 CENTERS	1 CENTER	0 CENTERS	2 CENTERS	N/A	O CENTERS
HIGH	MEDIUM-LOW	MEDIUM	MEDIUM-HIGH	N/A	MEDIUM
HIGH	MEDIUM	MEDIUM	MEDIUM-HIGH	N/A	MEDIUM
20/30	9/11	20 / 26	21 / 27	N/A	16 / 20
45 / 77	7/10	9 / 13	15 / 23	N/A	3/4
81 / 122	17 / 21	29/38	36/50	N/A	19 / 24
32% / 15%	17% / 7%	15% / 7%	28% / 23%	N/A	81% / 25%
9,800 / 14,800	4,500 / 5,200	10,000 / 13,000	39,800 / 51,000	N/A	8,200 / 10,200
21,900 / 37,900	3,600 / 5,000	4,800 / 6,300	29,400 / 44,300	N/A	1,300 / 1,900

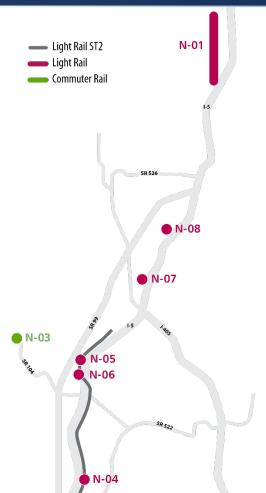
Additional Central Projects





Additional North Projects





				ST3 Candidate Project N-01	ST3 Candidate Project *N-03	ST3 Candidate Project N-04	ST3 Candidate Project N-05
				Everett Station to North Everett LRT	Edmonds Permanent Station	Infill Light Rail Station: 130th Street (Lynnwood Link)	Infill Light Rail Station: 220th Street (Lynnwood Link)
	REGIONAL LIGHT	RAIL SPINE		YES	NO	NO	NO
31149114	RIDERSHIP (DAILY P	ROJECT RIDERS)		6,000—7,000	N/A	< 1,000	< 1,000
\$	CAPITAL COST (201	4 \$ M)		\$714—\$764	\$54—\$57	\$79—\$85	\$86—\$92
\$	ANNUAL 0&M CO	ST (2014 S M)		\$11.11	\$0.69	\$1.96	\$2.32
(-)	TRAVEL TIME (MIN			8	N/A	0.7	0.7
ON TIME	RELIABILITY			HIGH	N/A	N/A	N/A
Ä	SYSTEM INTEGRATION		MEDIUM	MEDIUM-LOW	MEDIUM	LOW	
	EASE OF NON-MOTORIZED ACCESS		MEDIUM	MEDIUM-LOW	MEDIUM-LOW	MEDIUM-LOW	
<i>♣</i>	PERCENT OF NON-MOTORIZED ACCESS		70—80%	20—30%	70—80%	25—35%	
in the contra	CONNECTION TO P	SRC-DESIGN	ATED REGIONAL CENTERS	1 CENTER	O CENTERS	0 CENTERS	O CENTERS
		PLANS ANI	POLICIES	MEDIUM	LOW	MEDIUM-LOW	LOW
		MARKET SI	JPPORT	MEDIUM-LOW	MEDIUM	MEDIUM-LOW	MEDIUM
စမ ြားဝ	LAND USE AND DEVELOPMENT/		POP PER ACRE (2014/2040)	9/19	6/7	9/10	6/7
	TOD POTENTIAL	ACTIVITY UNITS	EMP PER ACRE (2014/2040)	8/16	3/4	3/3	4/5
			POP+EMP PER ACRE (2014/2040)	17 / 35	9/11	12/14	9/12
		MINORITY	/LOW-INCOME	25% / 21%	16% / 9%	34% / 11%	34% / 14%
4	SOCIOECONOMIC BENEFITS	SOCIOECONOMIC POPULATION (2014/2040) EMPLOYMENT (2014/2040)		12,900 / 27,100	1,800 / 2,100	4,600 / 5,300	2,800 / 3,400
<u> </u>				11,800 / 22,800	800 / 1,000	1,300 / 1,600	1,000 / 2,700

*Part of ST2 program; Due to reduced agency revenues experienced during the recession, implementation has been deferred.

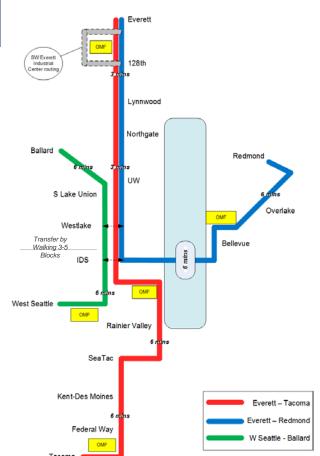


Review of ST3 Candidate Projects LRT System Operations Options



Potential LRT System Operations Option #1

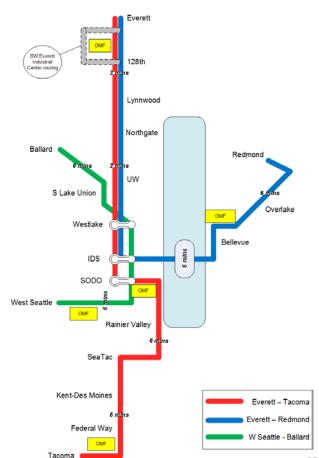
- Everett to Tacoma via Downtown Seattle Transit Tunnel
- Everett to Downtown Redmond via Downtown Seattle Transit Tunnel
- Ballard to West Seattle at-grade via Downtown Seattle





Potential LRT System Operations Option #2

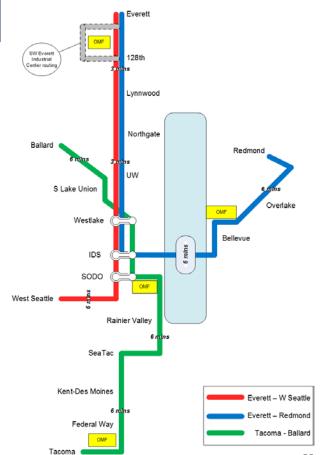
- Everett to Tacoma via Downtown Seattle Transit Tunnel
- Everett to Downtown Redmond via Downtown Seattle Transit Tunnel
- Ballard to West Seattle via new rail-only tunnel





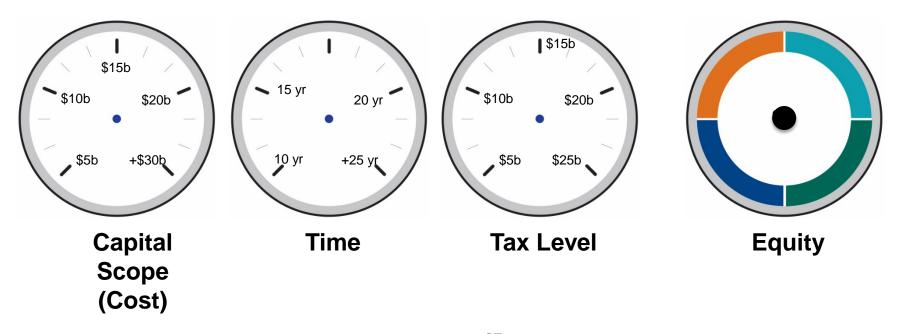
Potential LRT System Operations Option #3

- Everett to West Seattle via Downtown Seattle Transit Tunnel
- Everett to Downtown Redmond via Downtown Seattle Transit Tunnel
- Ballard to Tacoma via new rail-only tunnel





Building the ST3 Finance Plan



Opportunities for Engagement



- December 7, 2015:
 - Letter to jurisdictions/partners requesting acknowledgement of project scopes and comments
 - Responses requested by January 21, 2016
- March 2016: Draft System Plan adopted by ST Board
- April 2016: Public and Stakeholder Outreach:
 - Public meeting in each ST sub-area
 - Coordination with Metro's LRP public outreach
 - Online Survey
- June 2016: Potential adoption of Final System Plan

