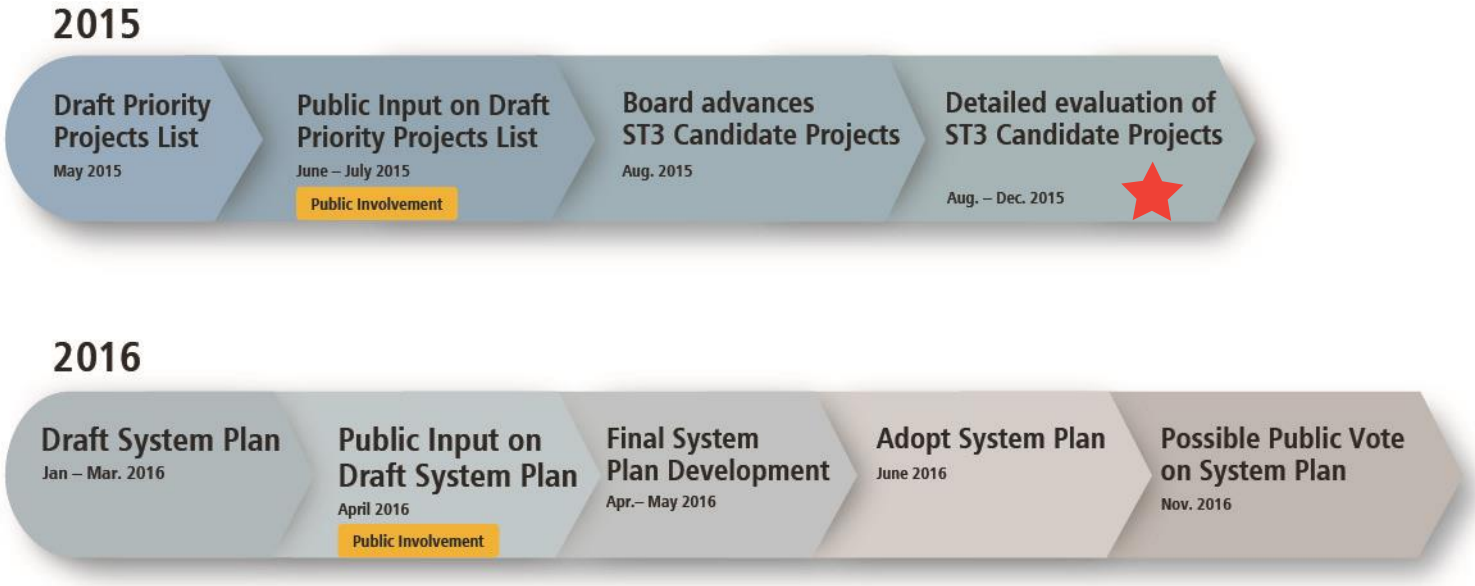
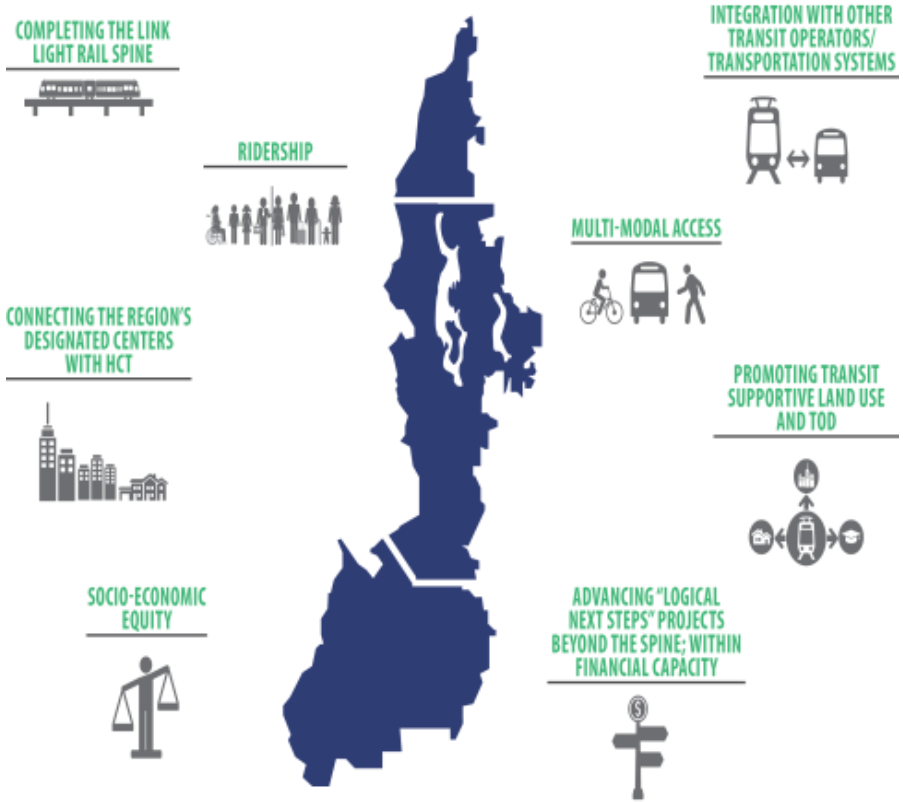
Sound Transit 3 Candidate Project Templates Format and Evaluation Criteria

Expert Review Panel Meeting November 10, 2015

ST3 timeline



ST Board's Core Priorities for ST3



December 4, 10:00-12:30, ST Board Workshop

- Presentation will include:
  - Results of analysis and evaluation of ST3 candidate projects
  - ST3 Financial Overview
- Workshop materials will include:
  - ST3 Candidate project templates
  - Evaluation criteria
  - Corridor summary sheets
  - ST3 financial information
- Also on www.soundtransit3.org

Page 1 of Sample Template

- Representative project scope and technical evaluation
- Summary Sheet
  - General project information and map
  - Short project description
  - Key attributes:
    - Light Rail Spine
    - Capital Cost
    - Ridership
    - Project Elements
    - Not Included
    - Issues and Risks

SOUND TRANSIT 3

X-XX: NAME OF CANDIDATE PROJECT

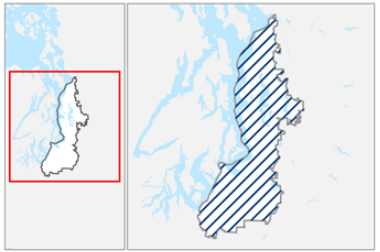
Project Number	X-XX
Subarea	X
Primary Mode	X
Facility Type	X
Length	XX miles
Version Number	X
Date Last Modified	X-X-2015

SHORT PROJECT DESCRIPTION

This section provides a short description of the representative project.

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

PROJECT AREA AND REPRESENTATIVE ALIGNMENT



	KEY ATTRIBUTES
REGIONAL LIGHT RAIL SPINE *Does this project help complete the light rail spine?*	Yes/No
CAPITAL COST *Cost in Millions of 2014 $*	$X,XXX — $X,XXX
RIDERSHIP *2040 daily boardings*	X,XXX—X,XXX
PROJECT ELEMENTS	• For the representative project, this section will list assumptions about length of corridor, profile and alignment, parking, and other project elements. • X • X • X • X
NOT INCLUDED	• This section will indicate elements not included in this representative project. • X • X • X
ISSUES & RISKS	• This section will summarize risks or other issues. • X • X • X • X

Page 2 of Sample Template

- Language explaining the representative nature of projects
- Long project description
- Assumptions
- Environmental
- Utilities
- Right-of-Way and Property Acquisition
- Potential Permits/Approvals Needed
- Project Dependencies
- Potential Project Partners

SOUND TRANSIT 3

X-XX: NAME OF CANDIDATE PROJECT

Sound Transit has developed a conceptual scope of work for this candidate project for the purpose of generating a representative range of costs, both capital and operating; and benefits, including ridership forecasts, TOD potential, multi-modal access and others. This information is being developed to assist the Sound Transit Board as it develops an ST3 system plan, including phasing of investments and financial plan, for voter consideration. Final decisions on project elements (e.g., alignment, profile, number of stations, station locations, and number of parking stalls) will be determined after completion of project level environmental review and preliminary engineering during which additional opportunities for public participation will be provided. Therefore, this scope definition should not be construed as a commitment that all representative features will be included in the final developed project.

Long Description:
This section will include a longer description of the representative project.

Assumptions:
- Assumptions, such as the assumed use of parking lanes, are listed in this section.

Environmental:
- This section will describe known environment issues, if any, or environmental analysis that will occur during project level reviews.

Utilities:
- General utilities issues, if any, will be identified here.

Right-of-Way and Property Acquisition:
- Known right-of-way and property acquisition issues, if any, will be identified here.

Potential Permits/Approvals Needed:
- General anticipated permit requirements, if any, will be identified here.

Project Dependencies:
- This section will identify projects that this project is dependent upon (for example, the completion of other light rail sections and the provision of maintenance and operations facilities)

Potential Project Partners:
- Anticipated project partners will be identified here.
- X
- X
- X

DRAFT

Page 3 of Sample Template

- Capital Cost Range (in Millions of 2014$)
- Cost allowances:
  - Transit Oriented Development (TOD) planning and due diligence
  - Sustainability
  - Non-motorized access
- Parking access costs
- Consistent with Sound Transit practices and policies

SOUND TRANSIT 3

X-XX: NAME OF CANDIDATE PROJECT

Cost:

Sound Transit has developed a conceptual scope of work for this candidate project for the purpose of generating a representative range of costs, both capital and operating; and benefits, including ridership forecasts, TOD potential, multi-modal access and others. This information is being developed to assist the Sound Transit Board as it develops an ST3 system plan, including phasing of investments and financial plan, for voter consideration. Final decisions on project elements (e.g., alignment, profile, number of stations, station locations, and number of parking stalls) will be determined after completion of project level environmental review and preliminary engineering during which additional opportunities for public participation will be provided. Therefore, this scope definition should not be construed as a commitment that all representative features will be included in the final developed project.

In Millions of 2014$

ITEM	COST	COST WITH RESERVE
Agency Administration	$XX.XX	$XX.XX
Preliminary Engineering & Environmental Review	$XX.XX	$XX.XX
Final Design & Specifications	$XX.XX	$XX.XX
Property Acquisition & Permits	$XX.XX	$XX.XX
Construction	$XX.XX	$XX.XX
Construction Management	$XX.XX	$XX.XX
Third Parties	$XX.XX	$XX.XX
Vehicles	$XX.XX	$XX.XX
Contingency	$XX.XX	$XX.XX
Total	**$X,XXX.XX**	**$X,XXX.XX**

Design Basis: Conceptual

The costs expressed above include allowances for TOD planning and due diligence, Sustainability, and Non-Motorized Access. These allowances, as well as the costs for Parking Access included above, are reflected in the following table:

ITEM	COST	COST WITH RESERVE
TOD planning and due diligence	$XX.XX	$XX.XX
Sustainability	$XX.XX	$XX.XX
Parking access	$XX.XX	$XX.XX
Non-motorized (bicycle/pedestrian) access	$XX.XX	$XX.XX

Page 4 of Sample Template

- Evaluation measures
  - Regional Light Rail Spine
  - Ridership
  - Capital Cost
  - Annual O&M Cost
  - Travel Time
  - Reliability
  - System Integration
  - Ease of Non-motorized Access
  - Percent of Non-motorized Access
  - Connections to PSRC-designated Regional Centers
  - Land Use and Development/TOD Potential
  - Socioeconomic Benefits

X-XX: NAME OF CANDIDATE PROJECT

Evaluation Measures:

MEASURE		MEASUREMENT/RATING	NOTES
	**Regional Light Rail Spine** *Does project help complete regional light rail spine?*	Yes/No	
	**Ridership** *2040 daily station boardings*	X,XXX—X,XXX	
	**Capital Cost** *Cost in Millions of 2014 $*	$X,XXX — $X,XXX	
	**Annual O&M Cost** *Cost in Millions of 2014 $*	$X	
	**Travel Time** *In-vehicle travel time along the project (segment)*	X min	
	**Reliability** *Percentage of alignment/route in exclusive right-of-way*	X%	
	**System Integration** *Qualitative assessment of issues and effects related to connections to existing local bus service and potential future integration opportunities*	Low to High	
	**Ease of Non-motorized Access** *Qualitative assessment of issues and effects related to non-motorized modes*	Low to High	
	Percent of Non-motorized Access *Percentage of daily boardings*	XX-XX%	
	**Connections to PSRC-designated Regional Centers** *Number of PSRC-designated regional growth and manufacturing/industrial centers served*	X centers	
	**Land Use and Development/TOD Potential** *Quantitative/qualitative assessment of adopted Plans & Policies and zoning compatible with transit-supportive development within 0.5 mile of potential stations* *Qualitative assessment of real estate market support for development within 1 mile of potential corridor* *Density of activity units (population and employment for 2014 and 2040) within 0.5 mile of potential stations*	Low to High Low to High Pop/acre: 2014: XX; 2040: XX Emp/acre: 2014: XX; 2040: XX Pop+Emp/acre: 2014: XX; 2040: XX	
	**Socioeconomic Benefits** *Existing minority / low-income populations within 0.5 mile of potential stations* *2014 and 2040 population within 0.5 mile of potential stations* *2014 and 2040 employment within 0.5 mile of potential stations*	XX% minority; XX% low-income Pop: 2014: XX,XXX; 2040: XX,XXX Emp: 2014: XX,XXX; 2040: XX,XXX	

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

Evaluation Measures

	**Regional Light Rail Spine** *Does project help complete regional light rail spine?*
	**Ridership** *2040 daily station boardings*
	**Capital Cost** *Cost in Millions of 2014 $*
	**Annual O&M Cost** *Cost in Millions of 2014 $*
	**Travel Time** *In-vehicle travel time along the project (segment)*
	**Reliability** *Percentage 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*

Evaluation Measures, Continued

	**Ease of Non-motorized Access** *Qualitative assessment of issues and effects related to non-motorized modes*
	Percent of Non-motorized Access *Percentage of daily boardings*
	**Connections to PSRC-designated Regional Centers** *Number of PSRC-designated regional growth and manufacturing/industrial centers served*
	**Land Use and Development/TOD Potential** *Quantitative/qualitative assessment of adopted Plans & Policies and zoning compatible with transit-supportive development within 0.5 mile of potential stations* *Qualitative assessment of real estate market support for development within 1 mile of potential corridor* *Density of activity units (population and employment for 2014 and 2040) within 0.5 mile of potential stations*
	**Socioeconomic Benefits** *Existing minority / low-income populations within 0.5 mile of potential stations* *2014 and 2040 population within 0.5 mile of potential stations* *2014 and 2040 employment within 0.5 mile of potential stations*

Sample Corridor Summary Sheet

SoundTransit RIDE THE WAVE

ST3 CANDIDATE PROJECT:

CORRIDOR NAME

Corridor Options

MAP HERE

	OPTION 1	OPTION 2	OPTION 3
	Length: xx Miles	Length: xx Miles	Length: xx Miles
	ST3 Candidate Project Project #	ST3 Candidate Project Project #	ST3 Candidate Project Project #
	THUMBNAIL CORRIDOR OPTION MAP HERE	THUMBNAIL CORRIDOR OPTION MAP HERE	THUMBNAIL CORRIDOR OPTION MAP HERE
REGIONAL LIGHT RAIL SPINE	YES/NO	YES/NO	YES/NO
RIDERSHIP (DAILY PROJECT RIDERS)	XX—XX K	XX—XX K	XX—XX K
CAPITAL COST ($ M)	X,XXX—X,XXX	X,XXX—X,XXX	X,XXX—X,XXX
ANNUAL O&M COST ($ M)	X—X	X—X	X—X
TRAVEL TIME	XX—XX MIN	XX—XX MIN	XX—XX MIN
RELIABILITY (% EXCLUSIVE)	XX%	XX%	XX%
SYSTEM INTEGRATION	LOW/MEDIUM/HIGH	LOW/MEDIUM/HIGH	LOW/MEDIUM/HIGH
EASE OF NON-MOTORIZED ACCESS	LOW/MEDIUM/HIGH	LOW/MEDIUM/HIGH	LOW/MEDIUM/HIGH
PERCENT OF NON-MOTORIZED ACCESS	XX—XX%	XX—XX%	XX—XX%
CONNECTION TO PSRC-DESIGNATED REGIONAL CENTERS	X CENTERS	X CENTERS	X CENTERS
LAND USE AND DEVELOPMENT — PLANS AND POLICIES	LOW/MEDIUM/HIGH	LOW/MEDIUM/HIGH	LOW/MEDIUM/HIGH
LAND USE AND DEVELOPMENT — MARKET SUPPORT	LOW/MEDIUM/HIGH	LOW/MEDIUM/HIGH	LOW/MEDIUM/HIGH
LAND USE AND DEVELOPMENT — ACTIVITY UNITS — POP PER ACRE (2014/2040)	XX/XX	XX/XX	XX/XX
LAND USE AND DEVELOPMENT — ACTIVITY UNITS — EMP PER ACRE (2014/2040)	XX/XX	XX/XX	XX/XX
LAND USE AND DEVELOPMENT — ACTIVITY UNITS — POP+EMP PER ACRE (2014/2040)	XX/XX	XX/XX	XX/XX
SOCIOECONOMIC BENEFITS — MINORITY/LOW-INCOME	XX% / XX%	XX% / XX%	XX% / XX%
SOCIOECONOMIC BENEFITS — POPULATION (2014/2040)	XX,XXX / XX,XXX	XX,XXX / XX,XXX	XX,XXX / XX,XXX
SOCIOECONOMIC BENEFITS — EMPLOYMENT (2014/2040)	XX,XXX / XX,XXX	XX,XXX / XX,XXX	XX,XXX / XX,XXX

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

Next Steps

- On-going coordination with jurisdiction and partners
- December 4 - Board Workshop
- Winter/Spring 2016: Board develops draft system plan
- Spring 2016: Public and jurisdiction outreach on draft system plan
- June 2016: Board adopts Final System Plan
- November 2016: Potential Ballot Measure


Thank you.
SOUNDTRANSIT
RIDE THE WAVE