



Draft Conceptual System Expansion Scenarios

April 2015

 **SOUNDTRANSIT**

System Plan (ST3) Timeline

2015

**Develop System
Plan Core Priorities**

Jan. – Feb. 2015

**Develop Methodology
and Initial Evaluation
Measures**

Feb. – Mar. 2015

**Develop and Evaluate
Conceptual System
Expansion Scenarios**

Apr. – May 2015



**Develop Priority
Projects List**

June – July 2015

Public Involvement

**Detailed Testing and
Evaluation of Priority
Projects List**

July – Dec. 2015

2016

**Develop Draft
System Plan**

Jan. – Mar. 2016

Public Involvement

**Final System
Plan Development**

Apr. – May 2016

Adopt System Plan

June 2016

**Possible Public Vote
on System Plan**

Nov. 2016

Core Priorities For ST3 System Plan Development

COMPLETING THE LINK LIGHT RAIL SPINE



RIDERSHIP



CONNECTING THE REGION'S DESIGNATED CENTERS WITH HCT



SOCIO-ECONOMIC EQUITY



INTEGRATION WITH OTHER TRANSIT OPERATORS/ TRANSPORTATION SYSTEMS



MULTI-MODAL ACCESS



PROMOTING TRANSIT SUPPORTIVE LAND USE AND TOD



ADVANCING "LOGICAL NEXT STEPS" PROJECTS BEYOND THE SPINE; WITHIN FINANCIAL CAPACITY



System Planning Process in 2015

CORE PRIORITIES



→ **CONCEPTUAL SYSTEM EXPANSION SCENARIOS** ←



→ **Scenario Evaluation Measures Based on Core Priorities** ←



Initial Project Evaluation Measures Based on Core Priorities and Scenario Evaluation



Development of Priority Projects List



Project Templates




Detailed Project Testing & Evaluation

Purpose of the Conceptual System Expansion Scenarios

- High level overview of possible corridor investments from HCT studies
- State Law requires examination of small and large capital options
- Tool to analyze trade-offs
- **NOT** a specific System Plan
- Doesn't include all possible projects that could be included in a system plan
- Board will not take action on scenarios (for discussion purposes only)

Conceptual System Expansion Scenarios

Summary

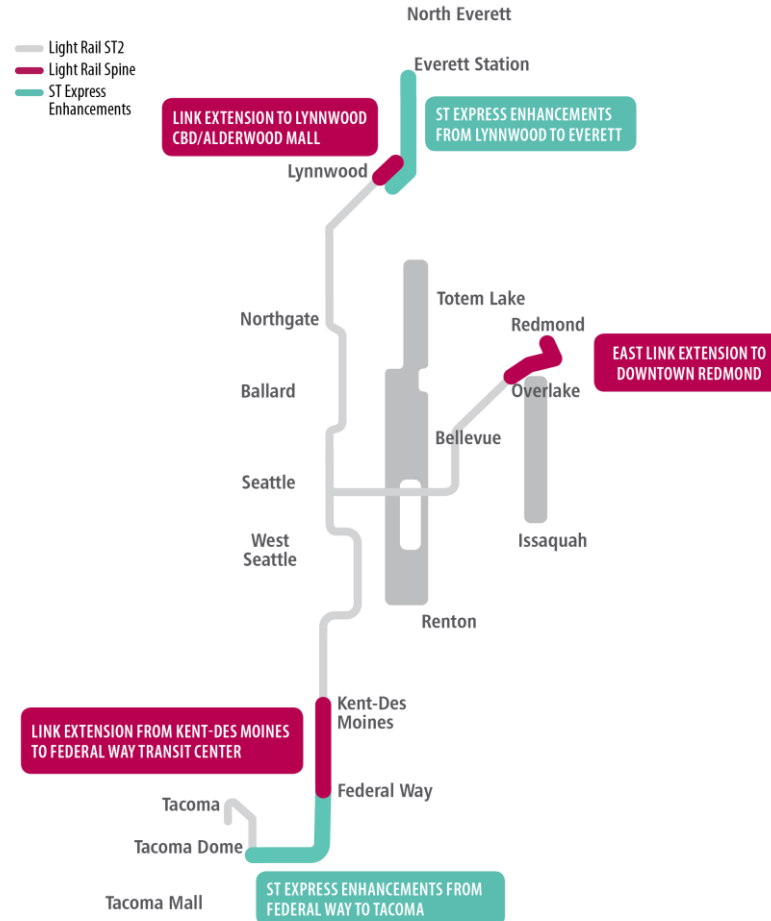
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- Incremental Expansion - Using Existing Revenue Authority
 - 1: Low Cost - Minor Progress Toward Completing Spine
 - 2a: Medium Cost - Some Progress Toward Completing Spine, Modest Additional Corridors
 - 2b: Medium Cost - Progress Toward Completing Spine, No Additional Corridors
 - 3a: Modest Spine Extension, Emphasis on Additional Corridors
 - 3b: Less Spine, More Additional Corridors
 - 3c: Most of Spine, Some Additional Corridors
 - 3d: Maximized Spine, Limited Additional Corridors
 - 4: Maximized Spine, Additional Corridor Investments

Conceptual Scenario

1:

Low Cost - Minor Progress Toward Completing Spine

- Does not consider sub-area allocation
- Includes allowance for:
 - Representative System Wide Improvements
 - Existing System Enhancements
 - ST2 Realigned Projects
 - Planning/Engineering to Advance “Next Logical Steps” beyond the Spine



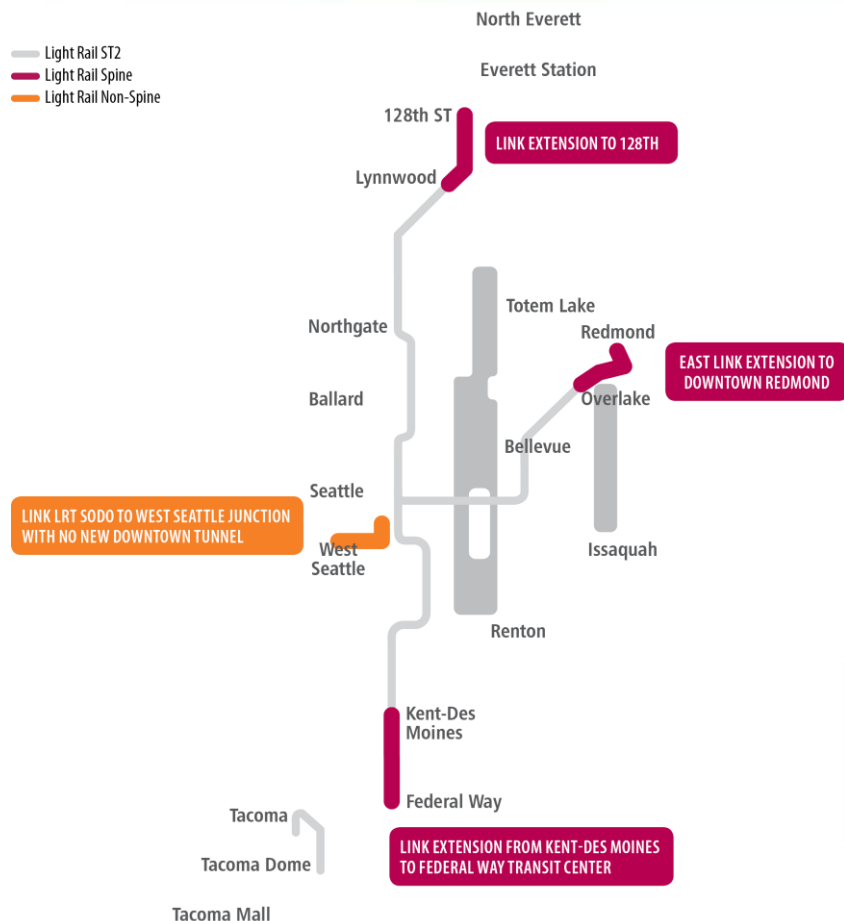
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For Analytical
and Discussion
Purposes**

Conceptual Scenario

2a:

Medium Cost - Some Progress Toward Completing Spine, Modest Additional Corridors

- Does not consider sub-area allocation
- Includes allowance for:
 - Representative System Wide Improvements
 - Existing System Enhancements
 - ST2 Realigned Projects
 - Planning/Engineering to Advance “Next Logical Steps” beyond the Spine



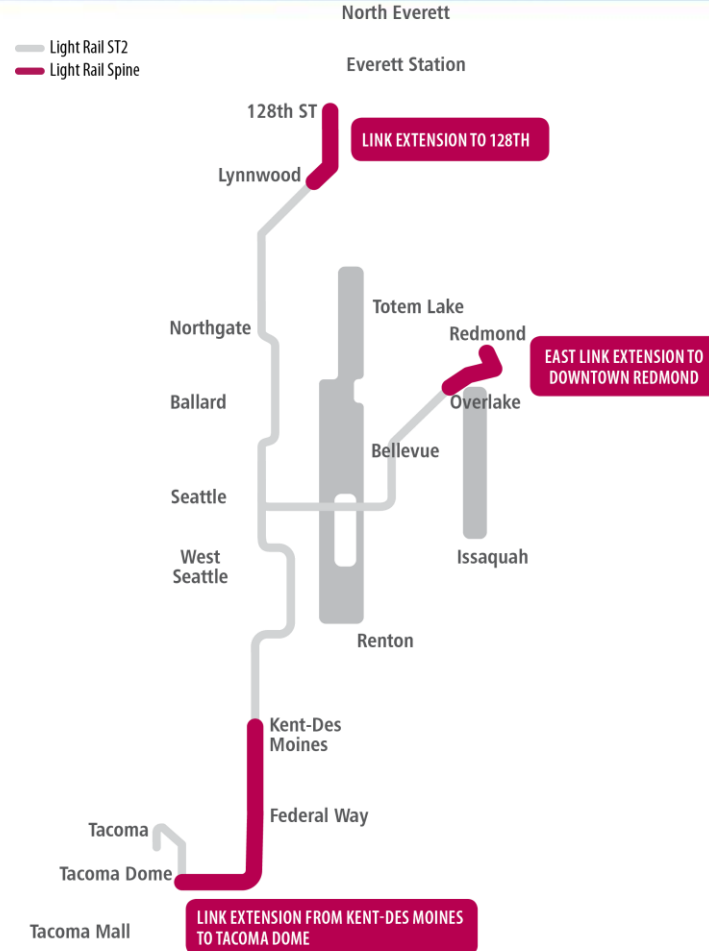
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Conceptual Scenario

2b:

Medium Cost - Progress Toward Completing Spine, No Additional Corridors

- Does not consider sub-area allocation
- Includes allowance for:
 - Representative System Wide Improvements
 - Existing System Enhancements
 - ST2 Realigned Projects
 - Planning/Engineering to Advance “Next Logical Steps” beyond the Spine

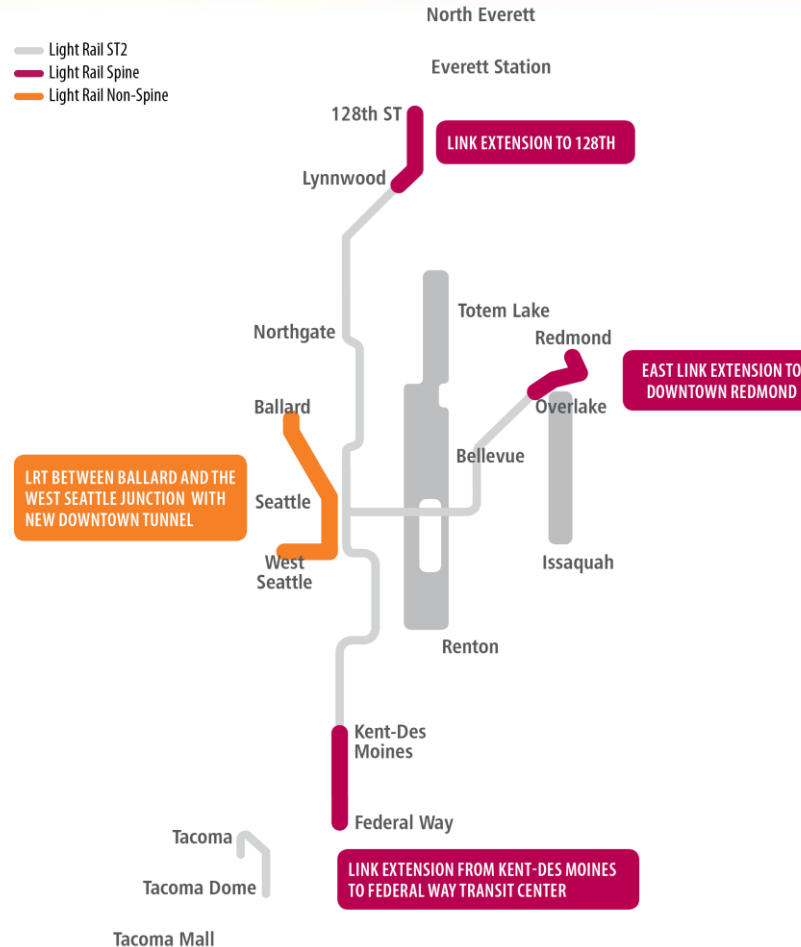


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Conceptual Scenario

3a: Modest Spine Extension, Emphasis on Additional Corridors

- Does not consider sub-area allocation
- Includes allowance for:
 - Representative System Wide Improvements
 - Existing System Enhancements
 - ST2 Realigned Projects
 - Planning/Engineering to Advance “Next Logical Steps” beyond the Spine



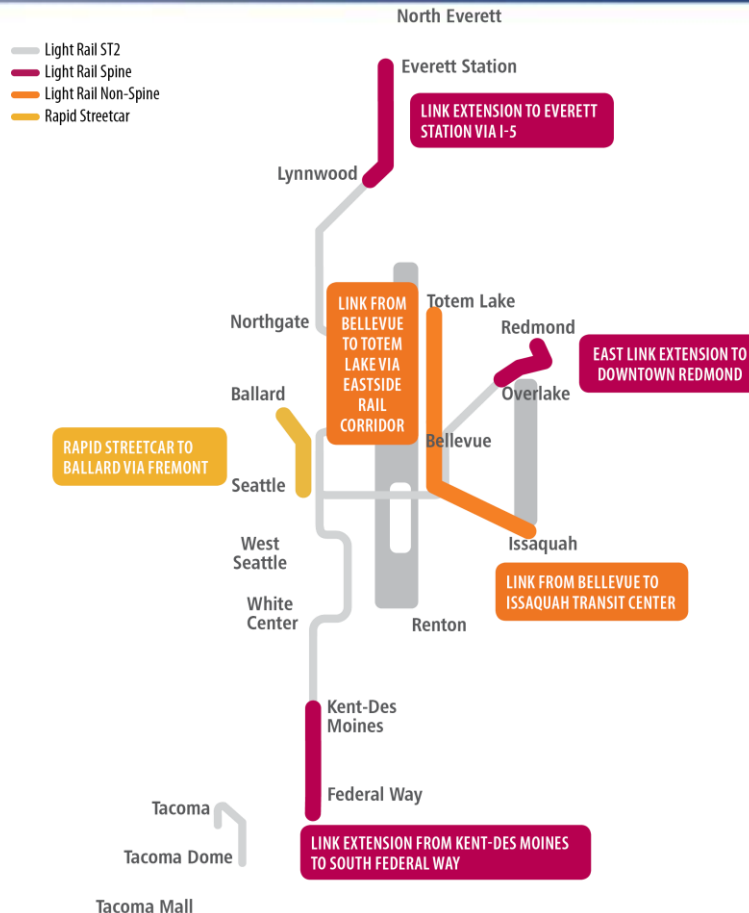
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Conceptual Scenario

3b:

Less Spine, More Additional Corridors

- Does not consider sub-area allocation
- Includes allowance for:
 - Representative System Wide Improvements
 - Existing System Enhancements
 - ST2 Realigned Projects
 - Planning/Engineering to Advance “Next Logical Steps” beyond the Spine



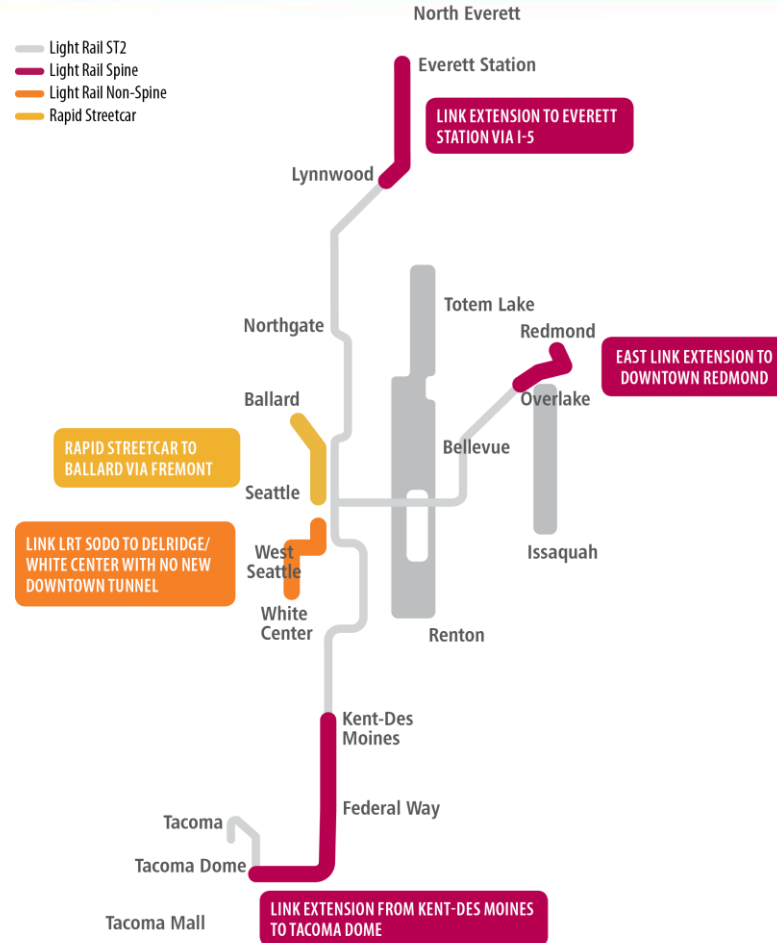
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Conceptual Scenario

3c:

Most of Spine, Some Additional Corridors

- Does not consider sub-area allocation
- Includes allowance for:
 - Representative System Wide Improvements
 - Existing System Enhancements
 - ST2 Realigned Projects
 - Planning/Engineering to Advance “Next Logical Steps” beyond the Spine

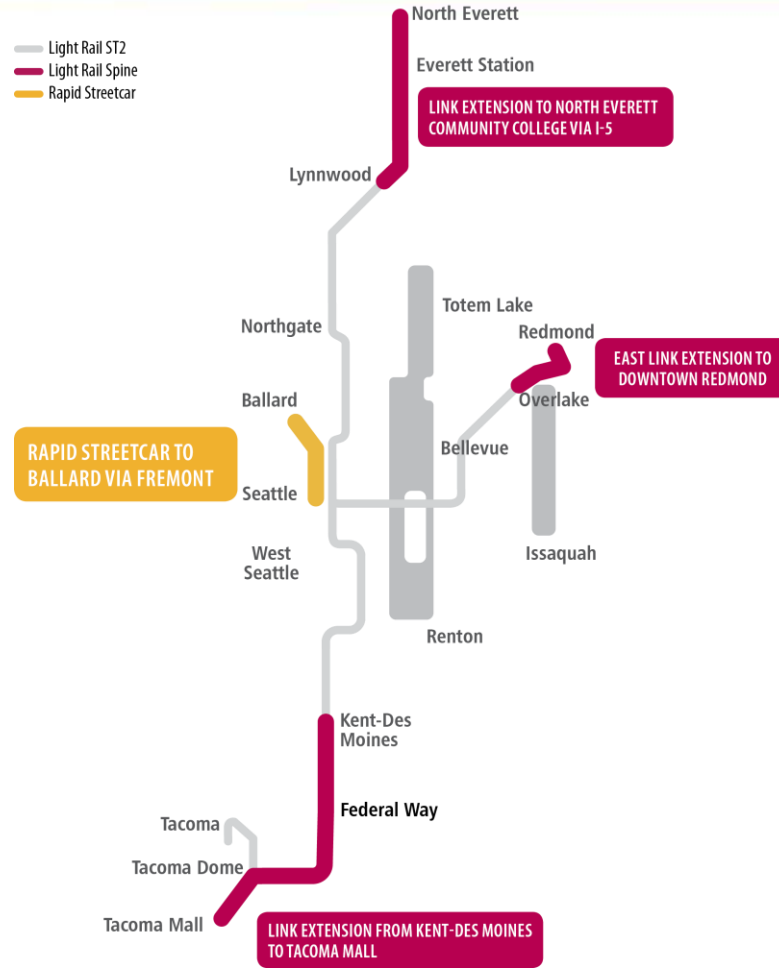


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Conceptual Scenario

3d: Maximized Spine, Limited Additional Corridors

- Does not consider sub-area allocation
- Includes allowance for:
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 - Existing System Enhancements
 - ST2 Realigned Projects
 - Planning/Engineering to Advance “Next Logical Steps” beyond the Spine



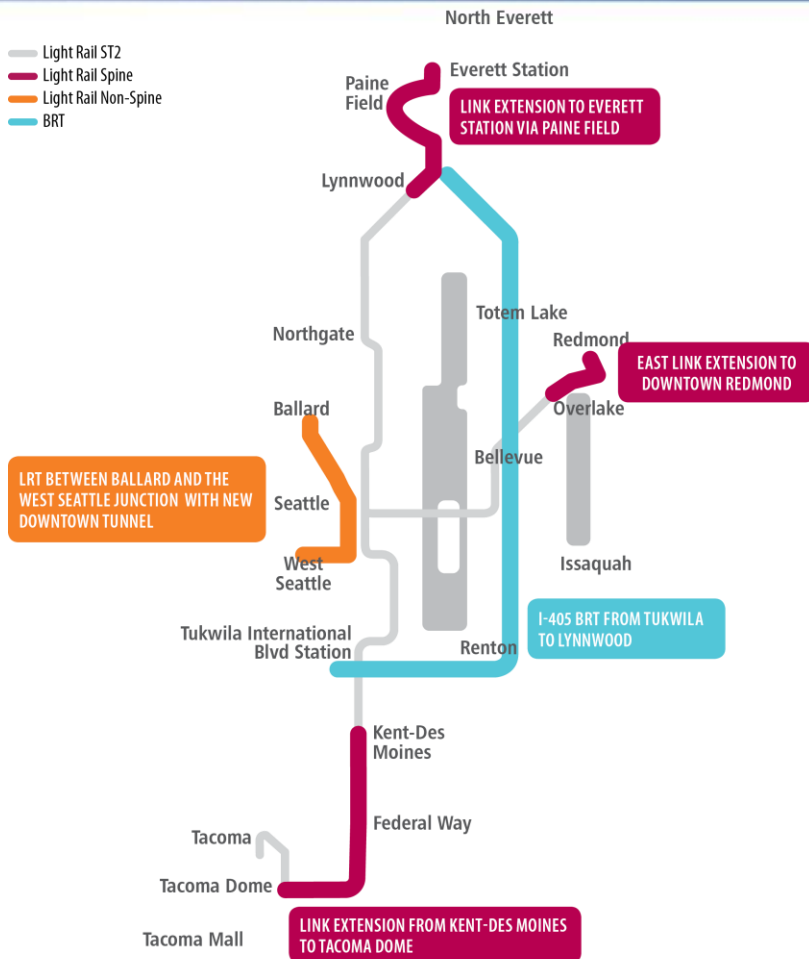
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Conceptual Scenario

4:

Maximized Spine, Additional Corridor Investments

- Does not consider sub-area allocation
- Includes allowance for:
 - Representative System Wide Improvements
 - Existing System Enhancements
 - ST2 Realigned Projects
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Evaluation Measures for Conceptual System Expansion Scenarios



COMPLETING THE LINK LIGHT RAIL SPINE

- Miles of LRT – Spine only
- Miles of LRT – Total system



RIDERSHIP

- Daily HCT boardings (2040)
- Percentage of transit passenger miles on HCT (2040)



CONNECTING THE REGION'S DESIGNATED CENTERS WITH HCT

- Number of designated centers served by HCT



PROMOTING TRANSIT SUPPORTIVE LAND USE AND TOD

- Population/employment within 1 mile of HCT station areas (2040)



SOCIO-ECONOMIC EQUITY

- Minority and low-income populations within 1 mile of HCT station areas (2014)



INTEGRATION WITH OTHER TRANSIT OPERATORS/TRANSPORTATION SYSTEM

- Opportunity for integration



MULTI-MODAL ACCESS

- Percentage of peak period transit access to HCT, by walk, bus, and auto access modes

- May 7th Executive Committee:
 - Discuss Process for draft Project Priority List
- May 28th Board Meeting :
 - Present Conceptual System Expansion Performance Results
 - Draft Project Priority List
- June-July:
 - Outreach
- August:
 - Finalize Project Priority List
- Fall:
 - Evaluate Project Priority List and Develop Templates



SOUNDTRANSIT

RIDE THE WAVE

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