ST3: Evaluation Methodology

Presentation to Expert Review Panel, July 13, 2015

ST3: Planning for the future

2015

Draft Priority Projects List	Public Input on Draft Priority Projects List	Board Advances Priority Projects List	Detailed Testing and Evaluation of Priority Projects List
May 2015	June – July 2015 **Public Involvement**	Aug. 2015	Aug. – Dec. 2015

2016

Draft System Plan and Public Involvement	Final System Plan Development	Adopt System Plan	Possible Public Vote on System Plan
Jan – Mar. 2016 **Public Involvement**	Apr.– May 2016	June 2016	Nov. 2016

Core priorities for ST3 system plan development

COMPLETING THE 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

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Project Development Approach

- Several Key Themes Emerged in Board Discussions concerning Core Priorities:
  - Priority of completing the regional light rail spine connecting the region's major cities, and also serving other areas of high demand for mass transit.
  - The Board wants to lay the groundwork for ST4 while planning ST3 by "advancing next logical steps" .
  - Other themes include system integration, multi-modal access to station areas, catalyzing density, social equity and long-term operational efficiency.

- From these themes and criteria, the Board developed a draft list of priority projects to be further studied for potential inclusion in a financially constrained system plan.

- Drawn from hundreds of projects/corridors included in the 2014 Long-Range Plan, deferred capital projects, and ST2 HCT Corridor Studies

- Full public outreach and stakeholder engagement regarding draft priority project list

- Project templates will be completed on final priority project list; sets groundwork for system plan

Round 1: Project-Level Evaluation Criteria

- Ridership
- Capital Cost
- Operations and Maintenance (O&M) Cost
- Travel Time
- Reliability

Round 1: Project-Level Evaluation Criteria (continued)

- System Integration
- Access
- Connectivity and Mobility
- Land Use and Development
- Socioeconomic Benefits
- Risk Avoidance

Round 2: Package and System-Level Evaluation Criteria

Includes Round 1 Criteria plus:

- Customer Experience
- Environmental Effects
- Public Support

Ridership

Project-level

- Daily station boardings in 2040

System-level

- Daily project riders in 2040

Capital Cost

Project-level

- Cost in current year dollars

System-level

- Cost in current year dollars

Operations and Maintenance Cost

Project-level

- Cost in current year dollars

System-level

- Cost in current year dollars

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Travel Time

Project-level

- In-vehicle travel time along the project (segment)

System-level

- Travel time between selected centers
- In-vehicle travel time along the project (corridor)

Reliability

Project-level

- Percentage of alignment/route in exclusive right-of-way

System-level

- Percentage of systemwide transit passenger miles on HCT

System Integration

Project-level

- Qualitative assessment of issues and effects related to connections to local bus service

System-level

- Qualitative assessment of issues and effects related to connections to local bus service
- Quantitative assessment of bus hours "saved" or "available for reallocation"

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Access

Project-level

- Qualitative assessment of issues and effects related to non-motorized modes

System-level

- Qualitative assessment of issues and effects related to non-motorized modes

- Modes of access (percentages)

Connectivity and Mobility

Project-level

- Number of PSRC-designated regional growth and manufacturing/industrial centers served

System-level

- Percentage of PSRC-designated regional growth and manufacturing/industrial centers served systemwide

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Land Use and Development

Project-level

- Quantitative and qualitative assessment of future potential for transit-supportive development within 0.5 mile of potential station areas

System-level

- Quantitative and qualitative assessment of future potential for transit-supportive development within 0.5 mile of potential station areas

Socioeconomic Benefits

Project-level

- Existing minority and low-income populations within 0.5 mile of stations

System-level

- Existing minority and low-income populations within 0.5 mile of stations

Risk Avoidance

Project-level

- Qualitative assessment based on whether the project includes any high-risk components

System-level

- Qualitative assessment based on whether the projects include any high-risk components

Customer Experience

System-level

- Qualitative description of convenience and ease of use for transit customers

Environmental Effects

System-level

- Quantitative assessment of reduction in annual VMT and acres of potential property acquisition outside of public right-of-way

Public Support

System-level

- Public feedback from outreach process on draft plan

- List of project sponsors (cities, agencies)

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