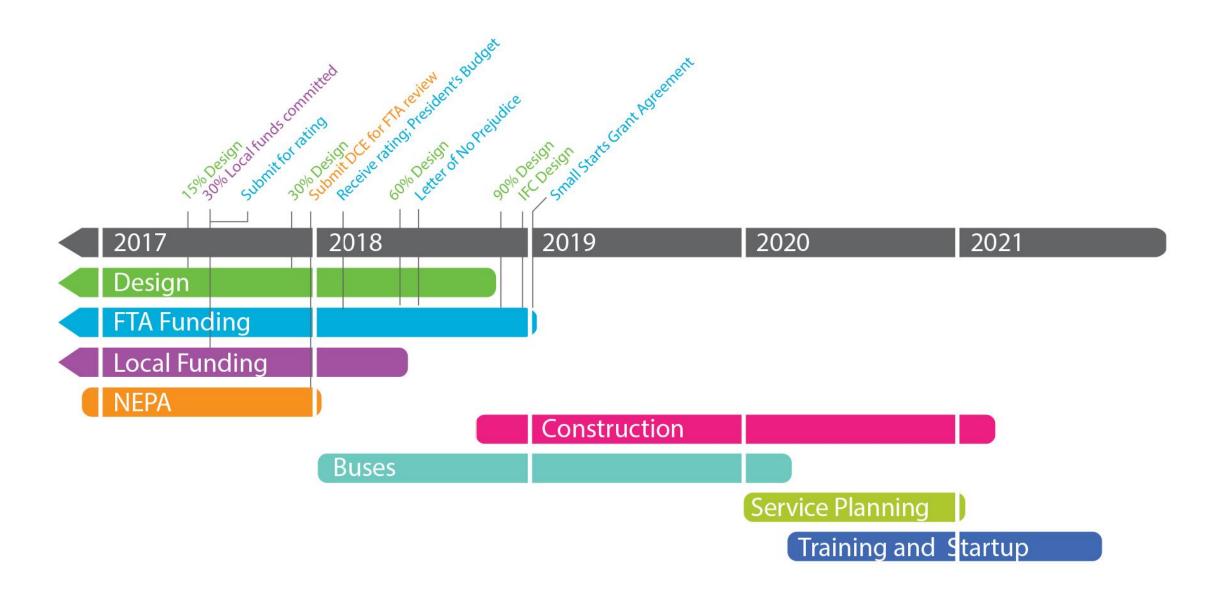




Policy & Budget Committee

October 25, 2017

Project Schedule



Current Milestones

- 30% Design
- FTA Rating and Financing Approach
- NEPA Work
- Policy and Budget Committee Direction

Upcoming Milestones

- Board Approval for Low-Bid Exemption (January 2018)
- Advertise RFP for Pre-Construction Services CM/GC (January 2018)
- President's Budget / Rating (February 2018)
- Advertise RFP for Bus Procurement (February 2018)
- NEPA Concurrence (March 2018)

Advancing from 15% to 30% Design

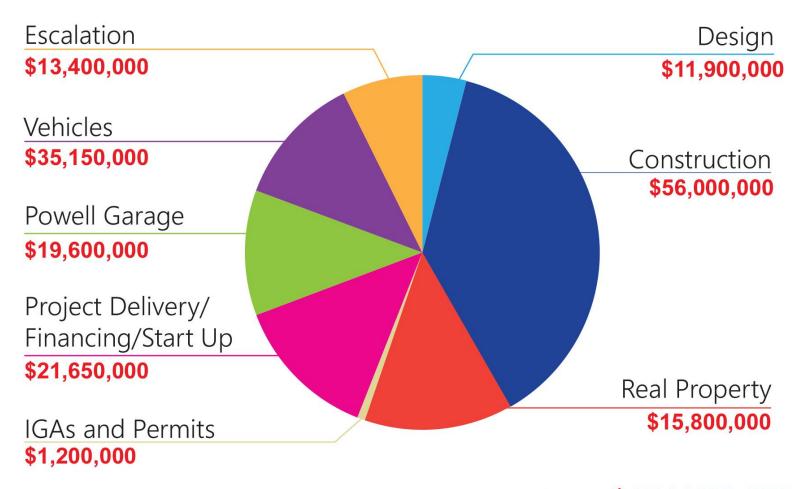
- Federal Transit Administration (FTA) Submittals
- Budget Balancing
- Station Design Refinements
- Performance Improvements
- Outreach

Budget Balancing- 15% - 30% Design

- 15% Design Cost Overage at \$10M
- Concern over Performance Cuts Needed at 15% to help reduce costs, but cuts a little too deep
- Reducing Costs Through Design Solutions In Lieu of Line-item Cuts
- 30% Design Focus On:
 - Station amenity costs
 - Impacts to utility poles
 - Property impacts that drive ROW costs
 - Bring back removed performance elements
 - Community feedback

Budget Breakdown

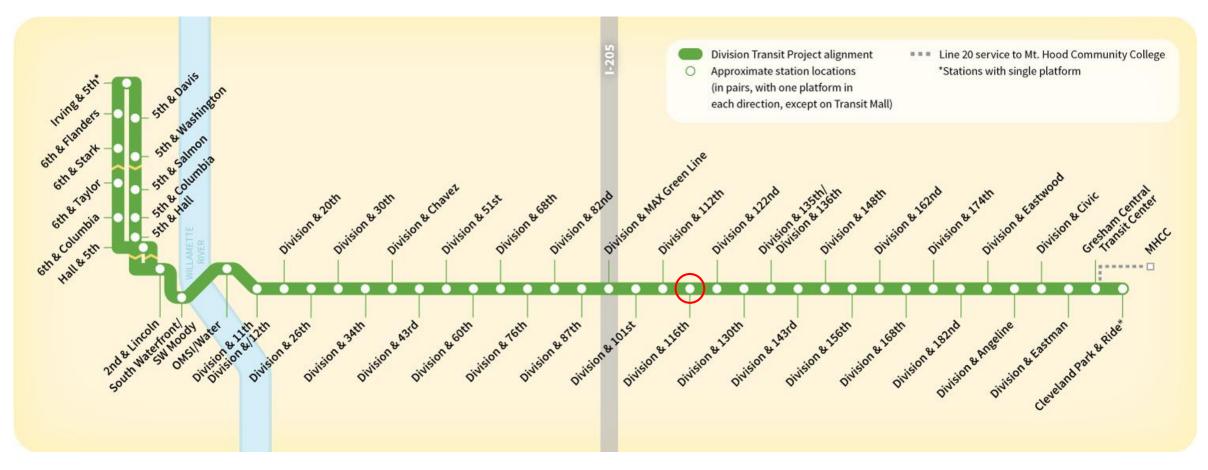
FTA RANKING ESTIMATE



TOTAL \$174,700,000



Project Scope



- 14 miles of enhanced service from Downtown Portland to Gresham Central
- 42 Stations with 83 Platforms 1/3 mile approximate station spacing
- 15% -20% average improvement in travel times over existing service
- Utilization of existing bus stop infrastructure at OMSI, SWF, SW Lincoln Street and the Transit Mall

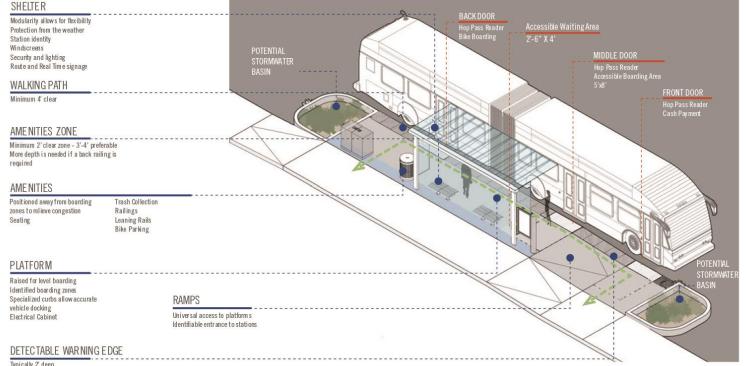
Design – Continued Assumptions

- Loading at 3 Doors Emphasis on Middle and Rear Doors
- Level Boarding 12" Platforms
- Cash Fare at Front Door / HopFast Pass at all (3) Doors Potential for platform validators at key transfer points
- No CCTV on platforms
- Platforms Capable of Serving 40' Buses
- Platform Lighting Provided on Station by Station Basis

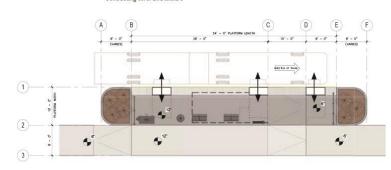
Design Refinements - Stations

- Reduce station platform lengths Pursue ramping in bike lanes and sidewalks were possible
- Fine-tune platform placement Utilize flexibility in refined platform design
- Reduce property acquisition Use station design to address ROW impacts
- Reduce utility pole impacts Utilize platform design and placement
- Station Addition Added Station at 116th to address DMA and EPAP input.

Typical Station Types (Integrated)



Cannot be used as part of the clear walking path Contrasting color and texture

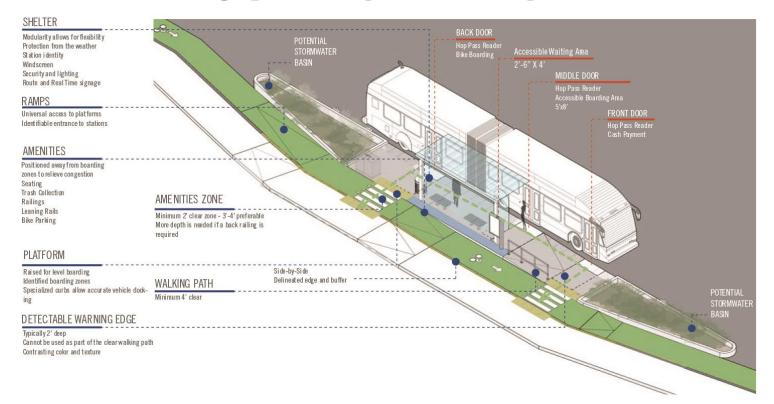


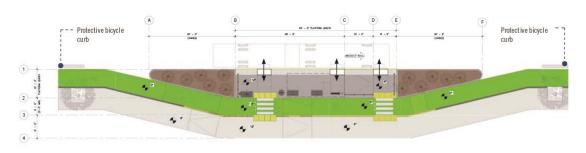


PLAN PERSPECTIVE



Typical Station Types (Island)



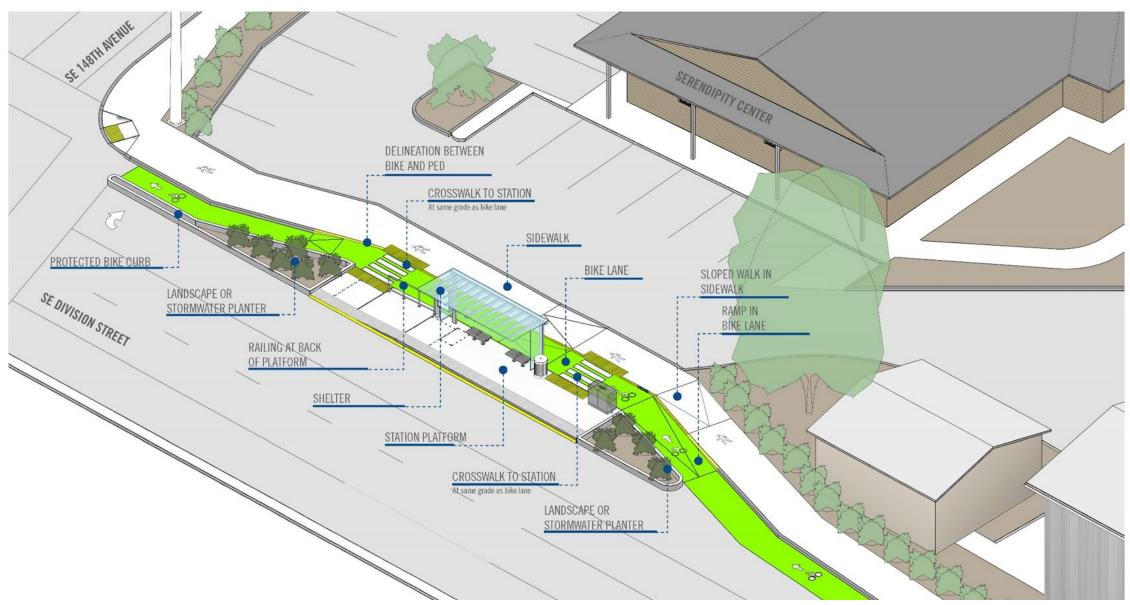




PLAN PERSPECTIVE

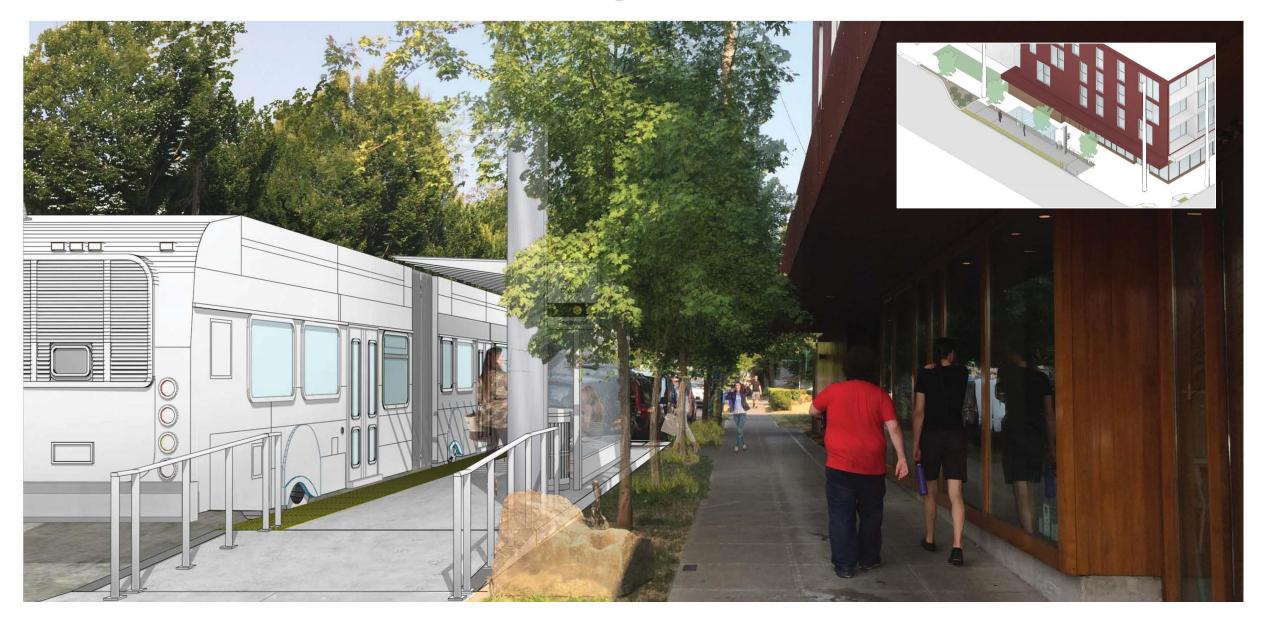


Island Station (SE 148th & SE Division – Eastbound)





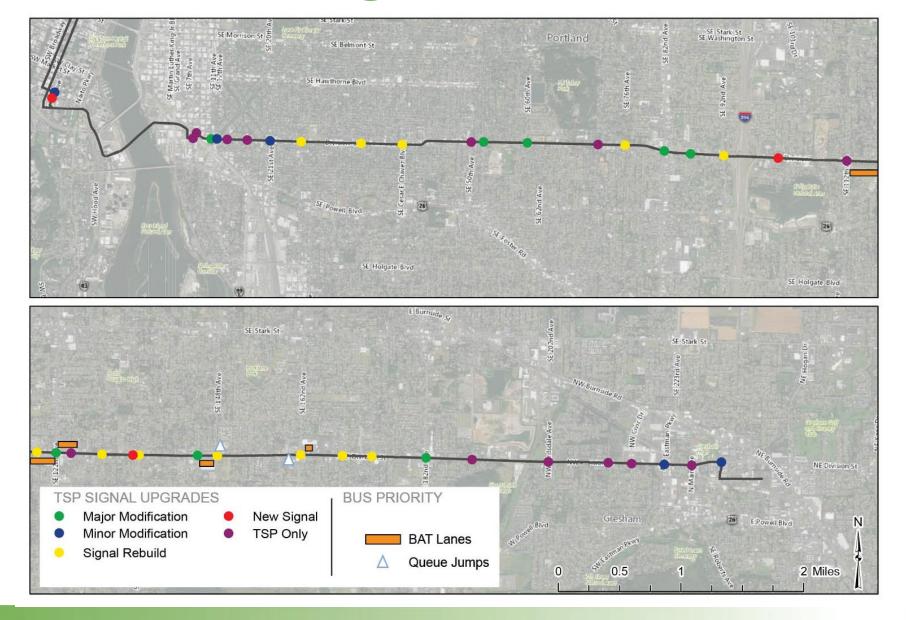
Conceptual Station Rendering (SE 26th & SE Division – Eastbound)



Design Refinements - Performance

- Increased Investment in Signal Upgrades
- Additional Refinements to Traffic Signal Priority (TSP)
- Extended Business Access and Transit (BAT) Lanes
- Traffic Models & Projections
 - Used to Validate Design Decisions
 - Consistent with 2021 Opening Day
 - Current Performance around 18% improvement over existing service
- Continue to Pursue TSP Advancements
 - Technology
 - Policy

Performance – Signals – TSP – BAT Lanes





Design Refinements - Outreach

- Monthly Community Advisory Committee (CAC) meetings
- Community and CAC Workshops
- One-On-One Business Outreach at Station Areas
- Open Houses Community & Operator
- Committee on Accessible Transportation Subcommittee
- Bicycle Advisory Committee/Pedestrian Advisory Committee
- Outreach staff informing design approach

FTA Submittals

- NEPA Documented Categorical Exclusion (DCE)
 - Utilizes 30% as basis of design
 - Represents resolve in placement and scope related to major project elements
 - Checklist completed in December and submitted in January
- FTA Project Rating
 - Submitted for rating September 7th
 - Change in financing structure
 - Rating expected to be Medium-High

Small Starts Rating Application

50% of rating is based on Project Justification Criteria

Mobility Improvements

Environmental Benefits

Congestion Relief

Cost-effectiveness

Economic Development

Land Use

50% of Rating is based on Local Financial Commitment

Projects asking for >50% Small Starts funds = Medium rating

Projects asking for <50% Small Starts funds = High rating

Previous Strategy - \$100 Federal / \$75 Local

SMALL STARTS PROJECTS	Capital Cost	Financing Costs	Total Capital Cost	Total CIG Request	CIG Share	Overall Project Rating	Local Financial Rating	Project Justification Rating
WA Seattle, Seattle Streetcar Center City Connector	166.6	0	166.6	75	45%	High	High	Medium-High
WA Seattle, Madison Street BRT	120	0	120	59.9	50%	High	High	Medium-High
FL Fort Lauderdale, Wave Streetcar	195.3	0	195.3	60.8	31%	Medium-High	High	Medium
WA Tacoma, Tacoma Link Expansion	175.6	0	175.6	75	43%	Medium-High	High	Medium
MN Minneapolis, METRO Orange Line Bus Rapid Transit	150.7	0	150.7	74.1	49%	Medium-High	High	Medium
FL Jacksonville, JTA First Coast Flyer BRT East Corridor	33.9	0	33.9	16.9	50%	Medium-High	High	Medium
NV Reno, Virginia Street Bus RAPID Transit Extension	77.8	0	77.8	38.9	50%	Medium-High	High	Medium
NY New York City, Woodhaven Boulevard Select Bus Service	225.8	0	225.8	97.1	43%	Medium-High	High	Medium
CA Sacramento, Downtown Riverfront Streetcar Project	200	0	200	100	50%	Medium-High	High	Medium
MO Kansas City, Prospect MAX	53.8	0	53.8	29.9	56%	Medium-High	Medium	Medium-High
NM Albuquerque, Rapid Transit Project	133.7	0	133.7	75	56%	Medium-High	Medium	Medium-High
AZ Tempe, Tempe Streetcar	176.6	9.5	186.1	75	40%	Medium-High	Medium-High	Medium
MI Grand Rapids, Laker Line BRT	70.5	0	70.5	56.4	80%	Medium-High	Medium	Medium-High
CA San Rafael, SMART Regional Rail - San Rafael to Larkspur Extension	42.5	0	42.5	22.5	53%	Medium	Medium	Medium
TX El Paso, Montana RTS Corridor	47	0	47	28.2	60%	Medium	Medium	Medium
WA Everett, Swift II BRT	73.6	0	73.6	47.9	65%	Medium	Medium	Medium
NY Albany, River Corridor Bus Rapid Transit	45.3	0	45.3	29.5	65%	Medium	Medium	Medium
IN Indianapolis, IndyGo Red Line Rapid Transit	96.3	0	96.3	75	78%	Medium	Medium	Medium
OR Portland, Powell-Division Transit and Development	175	na	175	100	57%	Medium	Medium	Medium
MI Lansing, Capital Area Transportation Authority Bus Rapid Transit Proje	141.8	0	141.8	97.8	69%	Medium-Low	Medium-Low	Medium
FL Jacksonville, FCF BRT Southwest Corridor	47.5	0	47.5	38	80%	Medium-Low	Medium	Medium-Low
CA Los Angeles, Downtown Los Angeles Streetcar	295.4	na	295.4	100	34%	na	na	na
LA Baton Rouge, TramLinkBR	167.5	2.3	169.8	84	50%	na	na	na
FL Orlando, SunRail Phase II North	68.2	0.5	68.7	34.3	50%	Not Rated	Not Rated	Not Rated
FL St. Petersburg, Central Avenue BRT	16.5	na	16.5	8.3	50%	na	na	na
WI Milwaukee East-West Corridor BRT	51.9	na	51.9	31.1	60%	na	na	na
NC Chapel Hill, North-South BRT	102.9	na	102.9	81.05	na	na	na	na
AZ Flagstaff, Transit Spine BRT	32.9	na	32.9	na	na	na	na	na
NY Albany, Washington/Western Bus Rapid Transit Line	64	na	64	na	na	na	na	na
WA Spokane, Spokane Central City Line	72	na	72	na	na	na	na	na
VA Alexandria, West End Transitway	129.5	na	129.5	na	na	na	na	na
FL Orlando, SunRail Connector to the Orlando International Airport	200	na	200	na	na	na	na	na
CA San Bernardino, Redlands Passenger Rail Project	262	na	262	na	na	na	na	na

Current Strategy – Federal \$87.3 / Local \$87.3

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	WA Tacoma, Tacoma Link Expansion	175.6	0	175.6	75	43%	Medium-High	High	Medium
	MN Minneapolis, METRO Orange Line Bus Rapid Transit	150.7	0	150.7	74.1	49%	Medium-High	High	Medium
	FL Jacksonville, JTA First Coast Flyer BRT East Corridor	33.9	0	33.9	16.9	50%	Medium-High	High	Medium
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	OR Portland, Powell-Division Transit and Development	175	na	175	87.5	50%	Medium-High	High	Medium
	CA Sacramento, Downtown Riverfront Streetcar Project	200	0	200	100	50%	Medium-High	High	Medium
	MO Kansas City, Prospect MAX	53.8	0	53.8	29.9	56%	Medium-High	Medium	Medium-High
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	LA Baton Rouge, TramLinkBR	167.5	2.3	169.8	84	50%	na	na	na
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	WI Milwaukee East-West Corridor BRT	51.9	na	51.9	31.1	60%	na	na	na
	NC Chapel Hill, North-South BRT	102.9	na	102.9	81.05	na	na	na	na
	AZ Flagstaff, Transit Spine BRT	32.9	na	32.9	na	na	na	na	na
	NY Albany, Washington/Western Bus Rapid Transit Line	64	na	64	na	na	na	na	na
	WA Spokane, Spokane Central City Line	72	na	72	na	na	na	na	na
	VA Alexandria, West End Transitway	129.5	na	129.5	na	na	na	na	na
	FL Orlando, SunRail Connector to the Orlando International Airport	200	na	200	na	na	na	na	na
	CA San Bernardino, Redlands Passenger Rail Project	262	na	262	na	na	na	na	na

Rating Application Submitted - September 7th

- Federal ask: \$87.3 million
- Local commitment: \$87.3 million
- Medium Project Justification + High Local Financial Commitment = <u>Medium-</u>
 <u>High Project Rating</u>
- Rating Information and Recommendations for Funding will be available in President's Budget, planned for release on February 13, 2018

Local Commitment

Local commitment: \$87.3 million

- \$25 million MTIP
- TriMet (\$34,300,000)
 - \$3,050,000 Project Development
 - \$25,000,000 Construction
 - \$6,250,000 Construction
- Project Partners
 - o ODOT \$750,000
 - o Portland \$12,000,000
 - Metro \$1,240,000
 - Reallocated Regional Funds \$1,500,000
 - o Gresham \$200,000
 - Multnomah County \$130,000
 - Other Regional Funds TBD \$6,000,000
- Project Finance Revenues
 - Planned TriMet bonds \$491,615
 - Committed MTIP Bonds/Budgeted TriMet Bonds \$5,730,000

