



Proposed 2017 Transit Improvement Plan

Capital Committee – October 13, 2016

Order of Presentation

Annual View – Proposed 2017 Overview

Transit Improvement Plan – Authorized Project Allocations

Summary of Proposed Changes to TIP

Project Risks

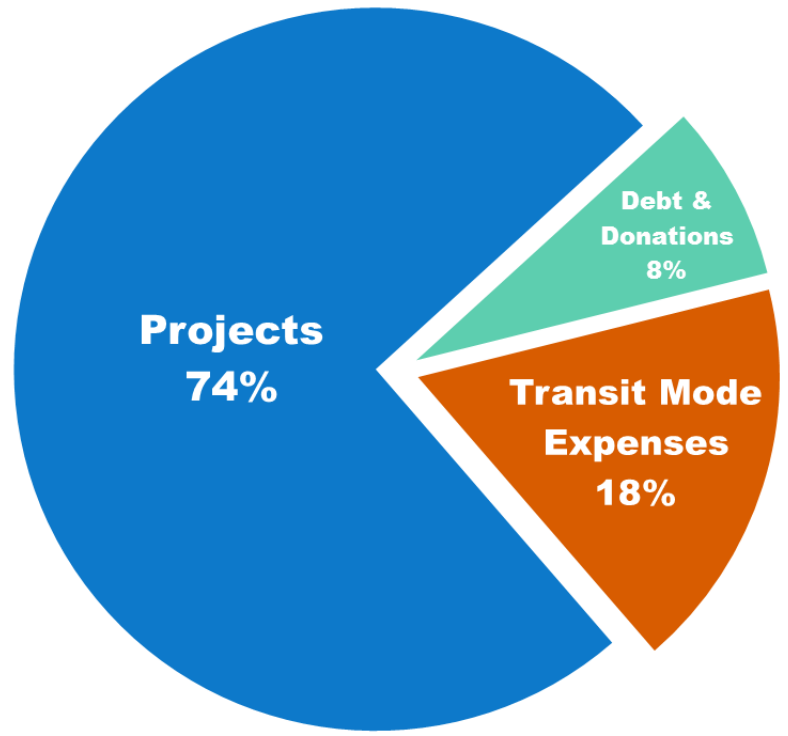
2017 Annual Spending Highlights

- ST2 Budget Only
- Very Few Changes
- Beginning the Peak of Construction for ST2 Plan
- Proposed New Projects Focused on Safety, Energy Efficiency & Time Savings

Proposed 2017 Annual Agency Budget – \$1.6B

2017 OPERATING EXPENSES & CAPITAL OUTLAYS (in millions)

	2017
Transit Modes	\$287
Projects	1,220
Debt & Donations	129
Total	\$1,636



**Project budgets are \$1.2B
— primarily Link
expansion. ST2 Only**

Project Categories

- **System Expansion** – Expanding Services to the Region
- **Enhancements** – Improve Efficiency and Effectiveness or System Functionality, Reduce Operating Costs or Improve Ridership Experience
- **Rehabilitation and Replacement** – Extend the useful life or an asset or replace it at the end of its useful life
- **Administrative** – projects not specific to a transit mode but support the operation of the Agency

Proposed 2017 Project Budgets – \$1.2B

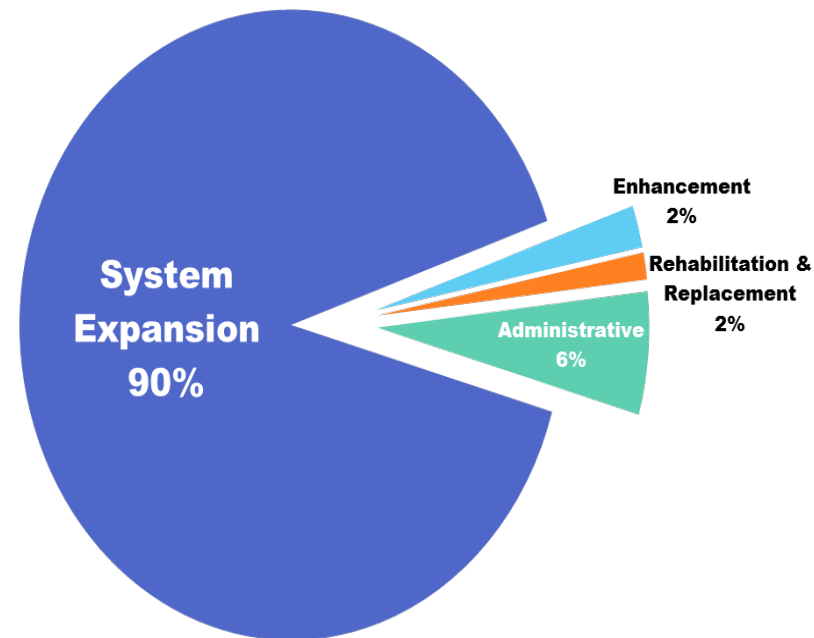
Northgate Link

East Link

Lynnwood Link

Tacoma Trestle

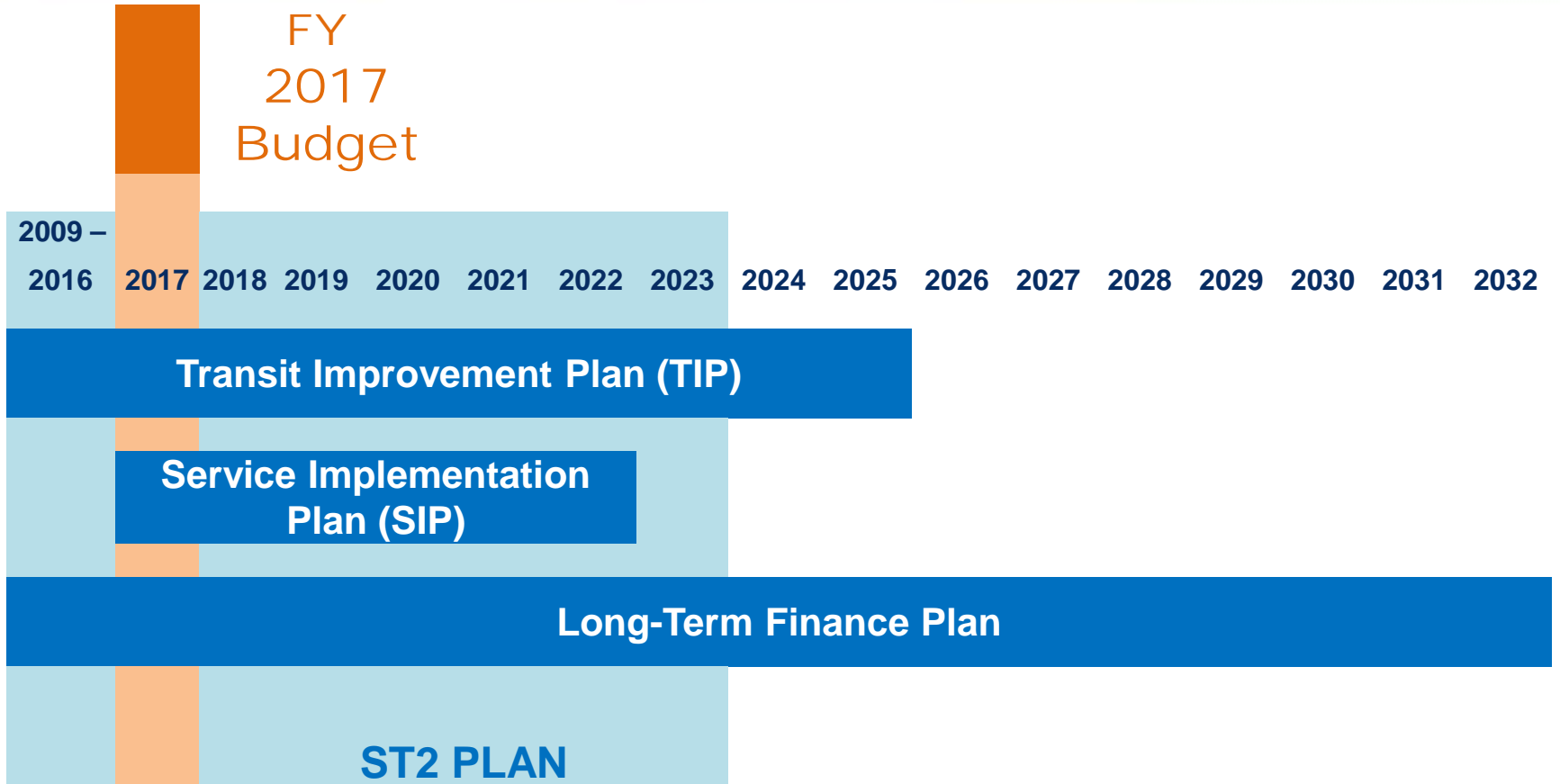
I90 Stage 3



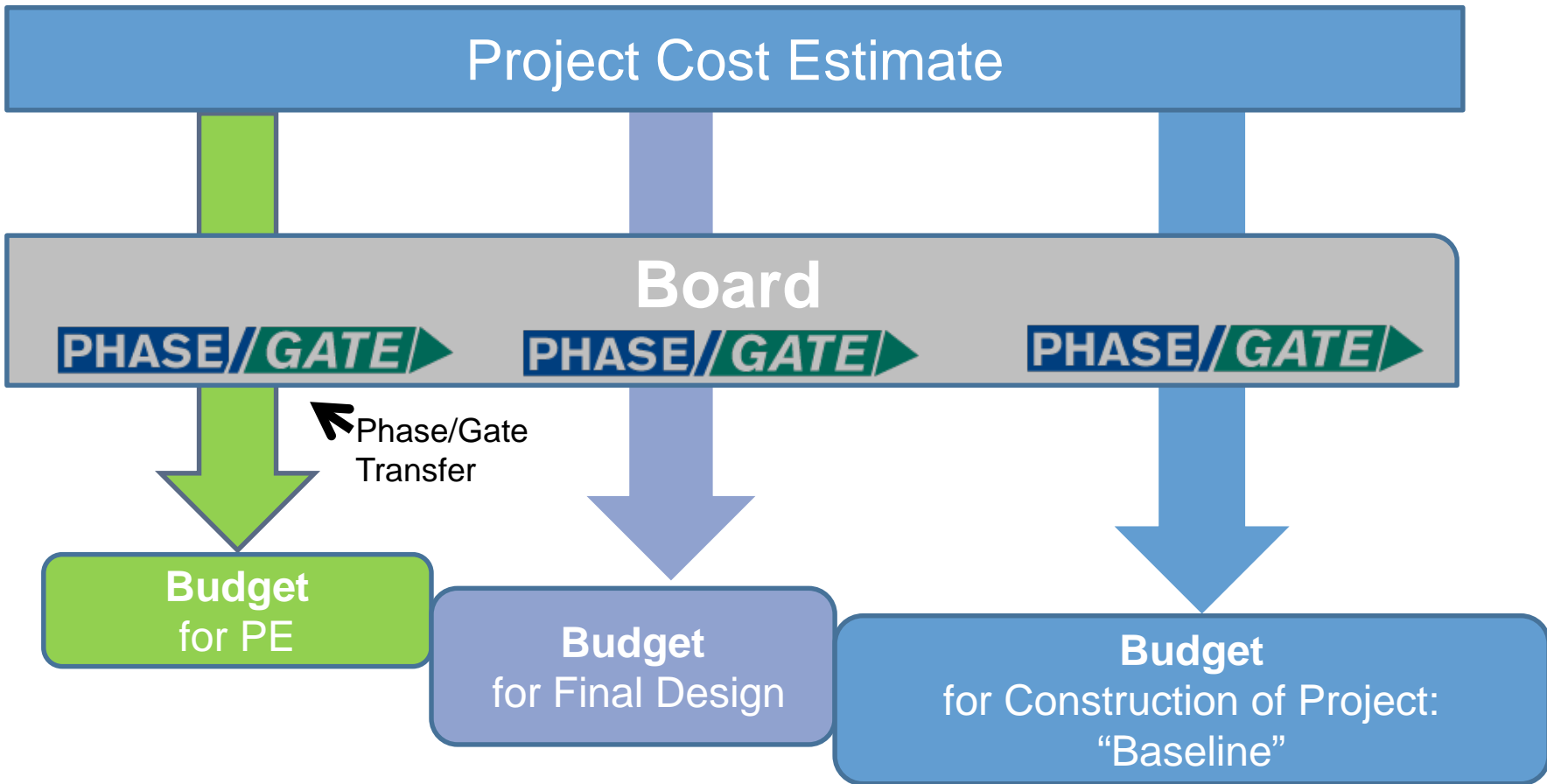
System Expansion – Key Activities

Project	2017 Activities
Northgate Link Extension \$259M	Continue construction of tunnel cross passages & stations, complete remaining ROW acquisition.
East Link Extension \$393M	Continue Construction of south Bellevue, downtown Bellevue-Spring District and Bel-Red area, with tunneling in Bellevue.
Lynnwood Link Extension - \$116M	Continue Final Design, right of way and pre-construction activities in preparation for baseline.
Tacoma Trestle - \$38M	Continue construction on track improvements and bridge replacement.
I-90 Stage 3 (R8A) - \$24M	Complete construction to make way to turning over center roadway to begin construction on I-90.

Transit Improvement Plan 2017-2025



Phase Gate



Summary Project Budget Changes 2016 – 2017

Project Type	2016 Project Total	2016 Closed Projects	2017 New Projects	Budget Transfers	Budget Inc/(Dec)	Transfer from Cost Estimates	2017 Project Budget
System Expansion							
Link Light Rail	\$11,457,606	(\$2,091,768)	\$0	\$0	\$0	\$316,142	\$9,681,980
Sounder	852,339	(6,455)	-	-	(3,774)	1,662	\$843,772
Commuter Rail							
Regional Express	321,813	(45,045)	-	-	13,572	-	\$290,341
Bus							
Other	163,728	(2,253)		-	-	-	\$161,476
System Expansion Subtotal	\$12,795,486	(\$2,145,520)	\$0	\$0	\$9,798	\$317,804	\$10,977,568
Enhancement	138,921	(16,453)	4,398	(700)	-	-	\$126,166
Rehabilitation and Replacement	242,278	(2,896)	1,550	700	6,565	-	\$248,197
Administrative	839,768	-	-	-	-	-	\$839,768
Total	\$14,016,454	(\$2,164,869)	\$5,948	\$0	\$16,363	\$317,804	\$12,191,700

2016 Closed Projects

Project Type	2016 Project Total	2016 Closed Projects	2017 New Projects	Budget Transfers	Budget Inc/(Dec)	Transfer from Cost Estimates	2017 Project Budget
System Expansion							
Link Light Rail	\$11,457,606	(\$2,091,768)					\$9,681,980
Sounder Commuter Rail	852,339	(6,455)					\$843,772
Regional Express Bus	321,813	(45,045)					\$290,341
Other	163,728	(2,253)					\$161,476
System Expansion Subtotal	\$12,795,486	(\$2,145,520)					\$10,977,568
Enhancement	138,921	(16,453)					\$126,166
Rehabilitation and Replacement	242,278	(2,896)					\$248,197
Administrative	839,768	-					\$839,768
Total	\$14,016,454	(\$2,164,869)	\$0	\$0	\$0	\$0	\$12,191,700

Proposed 2017 New Projects

Project Type	2016 Project Total	2016 Closed Projects	2017 New Projects	Budget Transfers	Budget Inc/(Dec)	Transfer from Cost Estimates	2017 Project Budget
System Expansion							
Link Light Rail	\$11,457,606	(\$2,091,768)	\$0				\$9,681,980
Sounder Commuter Rail	852,339	(6,455)	-				\$843,772
Regional Express Bus	321,813	(45,045)	-				\$290,341
Other	163,728	(2,253)					\$161,476
System Expansion Subtotal	\$12,795,486	(\$2,145,520)	\$0				\$10,977,568
Enhancement	138,921	(16,453)	4,398				\$126,166
Rehabilitation and Replacement	242,278	(2,896)	1,550				\$248,197
Administrative	839,768	-	-				\$839,768
Total	\$14,016,454	(\$2,164,869)	\$5,948	\$0	\$0	\$0	\$12,191,700

Proposed New Projects

- **Proposed New Projects - \$5.9M**

- **Enhancements (7)**

- OMF Energy Efficiency Project – LED Lighting and Energy Efficiency Upgrades to OMF - \$1.1M
- Bellevue Transit Center Security System – Installation of Security System - \$150K
- Customer Emergency Stations (Kent & Auburn) - \$800K
- Locomotive Inboard Facing Cameras - \$300K
- Sounder Passenger Emergency Intercom Upgrade - \$1.5M
- LRV Wheel Flat Software – Identifies wheels out of round while on LRV - \$250K
- LRV Wash Bay Modifications – Automates washing to 2 LRVs simultaneously - \$300K
- **Rehabilitation and Replacement**
- Link Radio Antenna Upgrade – Upgrade and replace obsolete antenna - \$1M
- Link Bridge Repairs – Repairs to 2 Bridges - \$550K

Proposed 2017 Budget Increase/(Decrease)

Project Type	2016 Project Total	2016 Closed Projects	2017 New Projects	Budget Transfers	Budget Inc/(Dec)	Transfer from Cost Estimates	2017 Project Budget
System Expansion							
Link Light Rail	\$11,457,606	(\$2,091,768)	\$0	\$0	\$0		\$9,681,980
Sounder Commuter Rail	852,339	(6,455)	-	-	(3,774)		\$843,772
Regional Express Bus	321,813	(45,045)	-	-	13,572		\$290,341
Other	163,728	(2,253)		-	-		\$161,476
System Expansion Subtotal	\$12,795,486	(\$2,145,520)	\$0	\$0	\$9,798		\$10,977,568
Enhancement	138,921	(16,453)	4,398	(700)	-		\$126,166
Rehabilitation and Replacement	242,278	(2,896)	1,550	700	6,565		\$248,197
Administrative	839,768	-	-	-	-		\$839,768
Total	\$14,016,454	(\$2,164,869)	\$5,948	\$0	\$16,363	\$0	\$12,191,700

Proposed Project Increase/(Decrease)

- **Proposed Project budget changes**
- 2016 Action reduced Point Defiance By Pass project and increased Tacoma Trestle resulting in a net reduction of \$3.8M
- Proposed increase to ST Express Fleet Expansion project adding 11 buses in support of increased service hours in response to traffic congestion, ridership demand and East Link construction impacts - \$13.6M
- Small Works project increased to support expanding assets base - \$3.4M
- Sounder Vehicle Overhaul Program increased to add passenger doors (58) motor rehab and Head End Power (HEP) Controllers for wayside power - \$800K

2017 Transfers from Cost Estimate

Project Type	2016 Project Total	2016 Closed Projects	2017 New Projects	Budget Transfers	Budget Inc/(Dec)	Transfer from Cost Estimates	2017 Project Budget
System Expansion							
Link Light Rail	\$11,457,606	(\$2,091,768)	\$0	\$0	\$0	\$316,142	\$9,681,980
Sounder Commuter Rail	852,339	(6,455)	-	-	(3,774)	1,662	\$843,772
Regional Express Bus	321,813	(45,045)	-	-	13,572	-	\$290,341
Other	163,728	(2,253)	-	-	-	-	\$161,476
System Expansion Subtotal	\$12,795,486	(\$2,145,520)	\$0	\$0	\$9,798	\$317,804	\$10,977,568
Enhancement	138,921	(16,453)	4,398	(700)	-	-	\$126,166
Rehabilitation and Replacement	242,278	(2,896)	1,550	700	6,565	-	\$248,197
Administrative	839,768	-	-	-	-	-	\$839,768
Total	\$14,016,454	(\$2,164,869)	\$5,948	\$0	\$16,363	\$317,804	\$12,191,700

Summary Project Budget Changes 2016 – 2017

Project Type	2016 Project Total	2016 Closed Projects	2017 New Projects	Budget Transfers	Budget Inc/(Dec)	Transfer from Cost Estimates	2017 Project Budget
System Expansion							
Link Light Rail	\$11,457,606	(\$2,091,768)	\$0	\$0	\$0	\$316,142	\$9,681,980
Sounder	852,339	(6,455)	-	-	(3,774)	1,662	\$843,772
Commuter Rail							
Regional Express	321,813	(45,045)	-	-	13,572	-	\$290,341
Bus							
Other	163,728	(2,253)		-	-	-	\$161,476
System Expansion Subtotal	\$12,795,486	(\$2,145,520)	\$0	\$0	\$9,798	\$317,804	\$10,977,568
Enhancement	138,921	(16,453)	4,398	(700)	-	-	\$126,166
Rehabilitation and Replacement	242,278	(2,896)	1,550	700	6,565	-	\$248,197
Administrative	839,768	-	-	-	-	-	\$839,768
Total	\$14,016,454	(\$2,164,869)	\$5,948	\$0	\$16,363	\$317,804	\$12,191,700

System Expansion – Risks

Project	Risk
Northgate Link	Underground conditions, limited site access, deep stations and ground borne noise and vibration
Tacoma Trestle	Site conditions and tight contractor workplace proximity presents challenges to meeting Fall 2017 deadline.
East Link	Coordination of several contractors, coordination of third party approvals and managing costs in a highly competitive construction market.
Point Defiance Bypass	Project delivery schedule has limited float to complete construction by the grant mandated deadline of April 2017.

2017 Budget Review Calendar

Operations & Administration Committee: October — December

- **Proposed 2017 Operating Budget**
- **Service Implementation Plan (SIP)**

Capital Committee: October — December

- **2017 Projects Budget**
- **2017 – 2023 Transit Improvement Plan (TIP)**

Executive Committee: October — December

- **Financial Plan**

Board Consideration of Budget & TIP — December 15, 2016

SOUND TRANSIT

