



Motion No. M2019-112

A motion of the Rider Experience and Operations Committee of the Central Puget Sound Regional Transit Authority authorizing the Enhancement, State of Good Repair, Administrative and Transit Operations portions of the Proposed 2020 Budget and Transit Improvement Plan to advance to the Finance and Audit Committee, including revisions to the Proposed 2020 Budget in Attachment A.

Background

Sound Transit is developing and operating regional transit infrastructure through three major voter-approved programs: Sound Move approved in 1996, Sound Transit 2 (ST2) approved in 2008, and Sound Transit 3 (ST3) approved in 2016. Transit infrastructure planning, design, and construction account for the majority of the agency's annual budget.

Section 1.

The Enhancement, State of Good Repair, and Administrative annual project budgets in the Proposed 2020 Budget total \$232.4 million:

Proposed 2020 Enhancement, State of Good Repair, and Administrative Annual Project Budgets (in thousands)

Enhancement	\$38,387
State of Good Repair	76,103
Administrative	127,315
Charges to Transit Modes	(9,377)
Proposed Budget Total	\$232,428
Revision adds	1,509
Revision reductions	(1,509)
Proposed Budget Table	\$232,428

The Proposed 2020 TIP is the cumulative total of authorized project allocations to date for all active projects. Including any revisions, the total is \$21.2 billion.

Section 2.

The Transit Operating Budget in the Proposed 2020 Budget is \$370.0 million:

Proposed 2020 Transit Operating Budget (in thousands)

Link	\$147,679
Souder	65,666
ST Express	150,849
Tacoma Link	5,844
Proposed Budget Total	\$370,037

Section 3.

The Proposed 2020 TIP will include the changes to the authorized project allocation to date for the following Enhancement, State of Good Repair, and Administrative projects:

Proposed 2020 TIP Changes to Authorized Project Allocation			
(in thousands)	Total Project Allocation 2019	Change to Total Project Allocation	Revised Total Project Allocation
Existing Projects			
Escalator Modernization Program	\$4,963	\$40,264	\$45,227
Tacoma Link Fare Collection	514	85	599
Video Management System Upgrade	900	980	1,880
OMF Link Control Center Upgrades	400	216	616
OMF Renovations	7,338	3,767	11,105
Pierce Transit – Global Positioning System Repeater	1,662	(1,662)	-
Research and Technology	20,000	(180)	19,820
Signage Improvements	1,131	162	1,293
Convention Place System Retrofit	3,000	732	3,732
DSTT Capital Improvements	10,000	86,400	96,400
Wheel Truing Machine	960	3,003	3,963
Link Station Tile Replacement	435	1,025	1,460
Station Midlife Maintenance	3,574	2,549	6,123
Agency Admin Operating	1,139,488	178,271	1,317,759
New Projects			
Design Criteria Manual Update	-	200	200
SeaTac Airport Wrong Door	-	699	699
SeaTac Airport Second Elevator	-	6,070	6,070
OT Virtual System Hardware Technology	-	600	600
Kinkisharyo LRV System Upgrades	-	17,800	17,800
Total Changes	\$1,194,365	\$340,981	\$1,535,346

Numbers may not add due to rounding

Motion

It is hereby moved by the Rider Experience and Operations Committee of the Central Puget Sound Regional Transit Authority that the Enhancement, State of Good Repair, Administrative and Transit Operations portions of the Proposed 2020 Budget and Transit Improvement Plan are authorized to advance to the Finance and Audit Committee, including revisions to the Proposed 2020 Budget in Attachment A.

APPROVED by the Rider Experience and Operations Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on December 5, 2019.


 Paul Roberts
 Rider Experience and Operations Chair

Attest:

 Kathryn Flores
 Board Administrator



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Attachment A – Revisions Recommended by the Rider Experience and Operations Committee

R-1 #700704 Link Radio Upgrade – Increase Authorized Project Allocation and Annual Project Budget to Accommodate Additional Project Scope

Annual Project Budget Revision: \$800,000

Authorized Project Allocation Revision: \$933,000

Project Type: State of Good Repair

Funding Source: Long-range Financial Plan

Description: Procure and install a backup radio repeater system to ensure radio functions in underground stations in the event the main system shuts down. This revision authorizes the full project allocation and increases the annual budget for the Right-of-Way Phase of the project. The additional budget will fund the administration and installation of the equipment needed for the project.

Justification: The Link radio system is critical to the safe operation of light rail. In underground Link stations, the system depends on a distributed antenna system (DAS) that requires the Link OMF-C repeater stations to be operational. If power to the repeaters is lost, the radio system for underground stations would shut down resulting in disruption of passenger service.

(in thousands)	2020 Annual Project Budget			Authorized Project Allocation		
	Proposed Annual Budget	Proposed Revision	Revised Proposed Budget	Proposed Project Allocation	Proposed Revision	Revised Proposed Allocation
Agency Administration		\$76	\$76	\$80	\$76	\$156
Preliminary Engineering				100		100
Final Design				120		120
Third Party						
ROW Acquisition and Permits						
Construction		724	724	700	857	1,557
Construction Management						
Vehicles						
Contingency						
Total		\$800	\$800	\$1,000	\$933	\$1,933

R-2 #TBD Puget Sound Emergency Radio Network (PSERN) Radio Upgrades – Establish Authorized Project Allocation and Annual Project Budget

Annual Project Budget Revision \$300,000

Authorized Project Allocation Revision: \$500,000

Project Type: State of Good Repair

Funding Source: Long-range Financial Plan

Description: Upgrade data and hardware infrastructure to connect with the Puget Sound Emergency Radio Network (PSERN). This revision authorizes the establishment of project allocation and establishes the annual project budget for the Construction Phase of the project. The budget will fund the acquisition of properties needed to construct the project.

Justification: Mandatory migration to PSERN by 2021 to maintain communications with King County Metro.

(in thousands)	2020 Annual Project Budget			Authorized Project Allocation		
	Proposed Annual Budget	Proposed Revision	Revised Proposed Budget	Proposed Project Allocation	Proposed Revision	Revised Proposed Allocation
Agency Administration		\$	\$		\$	\$
Preliminary Engineering						
Final Design						
Third Party						
ROW Acquisition and Permits						
Construction		300	300		500	500
Construction Management						
Vehicles						
Contingency						
Total		\$300	\$300		\$500	\$500

R-3 #700713 Light Rail Vehicle (LRV) Wash Bay modifications – Increase Authorized Project Allocation and Annual Project Budget to Accommodate Additional Project Scope

Annual Budget Revision: \$409,000

Authorized Project Allocation Revision: \$409,000

Project Type: Enhancement

Funding Source: Long-range Financial Plan

Description: Add a stand alone blower system to replace the existing final rinse pump with a higher volume flow pump for the light rail wash bay.

Justification: This change in scope complies with local environmental authority requiring wash water reman inside the wash bay facility prior to vehicles exiting.

(in thousands)	2020 Annual Project Budget			Authorized Project Allocation		
	Proposed Annual Budget	Proposed Revision	Revised Proposed Budget	Proposed Project Allocation	Proposed Revision	Revised Proposed Allocation
Agency Administration	\$	\$	\$	\$57	\$38	\$95
Preliminary Engineering						
Final Design				75		75
Third Party						
ROW Acquitstition and Permits						
Construction		409	409	168	371	539
Construction Management						
Vehicles						
Contingency						
Total	\$	\$409	\$409	\$300	\$409	\$709

R-4 #700657 Wheel Truing Machine – Decrease Annual Project Budget to Recognize Revised Cashflow

Annual Budget Revision: (\$509,000)

Authorized Project Allocation Revision: \$0

Project Type: State of Good Repair

Funding Source: Long-range Financial Plan

Description: Replace fix based wheel truing machine at the Operations and Maintenance Facility-Central.

Justification: This schedule is in line with agency resources required to support the project and achievable milestones in the first year of project delivery.

(in thousands)	2020 Annual Project Budget			Authorized Project Allocation		
	Proposed Annual Budget	Proposed Revision	Revised Proposed Budget	Proposed Project Allocation	Proposed Revision	Revised Proposed Allocation
Agency Administration	\$	\$	\$	\$	\$	\$
Preliminary Engineering						
Final Design						
Third Party						
ROW Acquitstition and Permits						
Construction	1,395	-509	886	3,963		3,963
Construction Management						
Vehicles						
Contingency						
Total	\$1,395	-\$509	\$886	\$3,963	\$	\$3,963

R-5 #700711 Sounder Passenger Emergency Intercom – Decrease Annual Project Budget to Recognize Revised Cashflow

Annual Budget Revision: (\$1,000,000)

Authorized Project Allocation Revision: \$0

Project Type: Enhancement

Funding Source: Long-range Financial Plan

Description: Upgrade communication system on all cars with a passenger emergency intercom (PEI) that enables passengers to speak directly to the conductor.

Justification: This change in schedule allows for the deferral of schedule later in the year where project resources will be available to support the project.

(in thousands)	2020 Annual Project Budget			Authorized Project Allocation		
	Proposed Annual Budget	Proposed Revision	Revised Proposed Budget	Proposed Project Allocation	Proposed Revision	Revised Proposed Allocation
Agency Administration	\$150	\$	\$150	\$150	\$	\$150
Preliminary Engineering						
Final Design	300		300	300		300
Third Party						
ROW Acquistition and Permits						
Construction	1,050	-1,000	50	1,050		1,050
Construction Management						
Vehicles						
Contingency						
Total	\$1,500	-\$1,000	\$500	\$1,500	\$	\$1,500

R-6 #700689 Pierce Transit – Global Positioning System Repeater – Decrease Authorized Project Allocation to Defund the Project

Annual Budget Revision: \$0

Authorized Project Allocation Revision: (\$1,662,000)

Project Type: Enhancement

Funding Source: Long-range Financial Plan

Description: Procure and install on radio infrastructure on towers owned or used by Pierce Transit necessary to communicate with ST Express buses.

Justification: The project has been cancelled.

(in thousands)	2020 Annual Project Budget			Authorized Project Allocation		
	Proposed Annual Budget	Proposed Revision	Revised Proposed Budget	Proposed Project Allocation	Proposed Revision	Revised Proposed Allocation
Agency Administration	\$	\$	\$	\$	\$	\$
Preliminary Engineering						
Final Design						
Third Party						
ROW Acquistition and Permits						
Construction				1,662	-1,662	
Construction Management						
Vehicles						
Contingency						
Total	\$	\$	\$	\$1,662	-\$1,662	\$

R-7 #5X410 Research and Technology Program – Decrease Authorized Project Allocation considered Surplus.

Annual Budget Revision: \$0

Authorized Project Allocation Revision: (\$180,000)

Project Type: State of Good Repair

Funding Source: Long-range Financial Plan

Description: Assess current implementation of the technology network including capacity constraints, assess the new new desired state as dictated by ST3; develop a roadmap that provides remediation of design concerns, state of good repair for aging components, system expansion needs and on-going operational mode for network support.

Justification: The decrease in total project allocation recognizes surplus funds in the project.

(in thousands)	2020 Annual Project Budget			Authorized Project Allocation		
Phase	Proposed Annual Budget	Proposed Revision	Revised Proposed Budget	Proposed Project Allocation	Proposed Revision	Revised Proposed Allocation
Agency Administration	\$975	\$	\$975	\$4,600	\$	\$4,600
Preliminary Engineering	2,100		2,100	5,100		5,100
Research & Technology	25		25	10,300	-180	10,120
Third Party						
ROW Acquistition and Permits						
Construction						
Construction Management						
Vehicles						
Contingency						
Total	\$3,100	\$	\$3,100	\$20,000	-\$180	\$19,820