



PHASE GATE REPORT  
**Close Out of 14 Projects**

MEETING	DATE	STAFF CONTACT
Board	09/22/16	Brian McCartan, Executive Director of Finance and Information Technology <b>James Hathaway, Budget Manager</b> Aniekan Usoro, Deputy Executive Director Project Control & VE



PURPOSE OF REPORT

Notify the Board that 14 completed Sound Transit projects are closed out.

	(In thousands)		
	Baseline Budget	Final Cost	Savings/ (Over)
System Expansion - Link Projects	\$2,091,768	\$2,068,518	\$23,250
System Expansion - Sounder Projects	\$6,455	\$6,445	\$9
System Expansion - Regional Express Projects	\$45,045	\$43,347	\$1,697
System Expansion - Other Projects	\$2,253	\$2,105	\$148
Enhancements	\$16,453	\$15,491	\$962
Rehabilitation and Replacement	\$2,871	\$1,554	\$1,317
<b>Total</b>	<b>\$2,164,844</b>	<b>\$2,137,461</b>	<b>\$27,384</b>

PROJECT DESCRIPTION

Fourteen Sound Transit projects have been completed and will be closed out in accordance with the Agency's Phase Gate Policy. The 14 projects fall into the following project categories: System Expansion projects for Link, Sounder, Regional Express, and Other supporting projects; Enhancement; and Rehabilitation and Replacement.

Gate 8 of Sound Transit's Phase Gate Policy requires formal project close out and a report to the Board. Following close out, projects are no longer included in the Transit Improvement Plan (TIP), starting in 2017. Projects that are passing through Gate 8 are identified in Exhibit A.

LESSONS LEARNED

In the successful execution of the projects identified in Exhibit A, Sound Transit improved policies and procedures relating to project controls and administration, stakeholder negotiations, community outreach, project permitting, contractor procurement, design modification, construction sequencing, and transition to revenue service. Many of these improved policies and procedures are in place for current capital projects.

REPORT RECEIVED

\_\_\_\_\_  
 Dow Constantine  
 Board Chair

\_\_\_\_\_  
 Date



PHASE GATE REPORT  
Exhibit A

All work activities associated with the following Sound Transit projects have been completed and the projects closed out.

	(in thousands)		
	Baseline Budget	Final Cost	Savings/ (Over)
<b>System Expansion - Link</b>			
<b>Initial Segment</b>			
This project is the 13.9 mile initial segment of the Link light rail system from Westlake to Tukwila Station.	\$2,091,768	\$2,068,518	\$23,250
<b>System Expansion - Sounder</b>			
<b>Passenger Information Systems</b>			
Upgrade of station communications, all closed circuit television (CCTV) and passenger information systems for commuter rail stations.	\$6,455	\$6,445	\$9
<b>System Expansion - Regional Express</b>			
<b>85th Corridor, Kirkland</b>			
Led by the City of Kirkland to widen streets, improve traffic signalization, install bus shelters and made sidewalk improvements at various intersections to enhance reliability and connections to transit.	\$5,590	\$5,418	\$172
<b>Federal Way Transit Center</b>			
The project constructed a transit center with a five story 1,200 stall parking structure in Federal Way. Further, the project connected the I-5 High Occupancy Vehicle (HOV) lanes to the transit center via South 317th Street.	\$39,455	\$37,929	\$1,525
<b>System Expansion - Other</b>			
<b>High Capacity Transit (HCT) Corridor Studies</b>			
Project identified and evaluated potential high capacity transit improvements beyond those identified in ST2.	\$65	\$65	\$0
<b>South Corridor Alternatives</b>			
Identified and evaluated alternative high-capacity transit modes, routes, and potential station areas along the corridor between Federal Way and Tacoma.	\$2,188	\$2,040	\$148

	(in thousands)		
	Baseline Budget	Final Cost	Savings/ (Over)
<b>Enhancements</b>			
<b>Security Enhancements</b>			
This project upgraded 65 cameras to either megapixel IP cameras or higher, installed 95 analog cameras and 8 digital video recorders with a central monitoring application. Upgraded storage capabilities of video recorders.	\$2,498	\$2,445	\$53
<b>ST Express Mobile Communications</b>			
This project spanned all three of Sound Transit's partner agencies to improve the mobile communication system to enhance drivers and passenger safety. This allowed for compatibility with partner agency systems.	\$10,531	\$10,311	\$220
<b>Central Link - HVAC for Traction Power</b>			
This project installed air conditioning in the traction power substations to protect and enhance sensitive equipment.	\$1,278	\$1,027	\$251
<b>Transit Oriented Development Planning</b>			
This project provided planning and technical assistance to local jurisdictions and Sound Transit project teams to help identify and shape transit-oriented development (TOD) and joint development opportunities. The project scope has been rolled into the TOD Surplus Property Disposition project.	\$1,146	\$1,146	\$0
<b>Pierce Transit Radio Upgrade</b>			
The project replaced all ST owned mobile radios installed on ST owned and Pierce Transit operated buses to meet F.C.C. compliance by December 31, 2016. This project covered 118 radios and 13 portable radios assigned to supervisors and mechanics.	\$1,000	\$562	\$438

	(in thousands)		
	Baseline Budget	Final Cost	Savings/ (Over)
<b>Rehabilitation and Replacement</b>			
<b>Beacon Ave Paving</b>			
This project performed roadway improvements on Beacon Ave between South McCellen Street and South Landers Street to mitigate construction impacts by construction of the Initial Segment.	\$2,000	\$1,208	\$792
<b>Federal Way Post Tension Cable Repair</b>			
This project was intended to repair post tension cables that provided structural reinforcement to the Federal Way parking garage. However, an engineering and structural inspection determined the project was unnecessary.	\$500	\$4	\$496
<b>Tacoma Link LRV Communications</b>			
This project installed a new communications system for Tacoma Link.	\$371	\$342	\$29