

# Puget Sound Gateway Program

## SR 509 Completion Project

Highline Forum Update  
September 26, 2018

CRAIG STONE, PE

GATEWAY PROGRAM ADMINISTRATOR



# Puget Sound Gateway Program



The Puget Sound Gateway Program is composed of two projects: the completion of SR 167 in Pierce County, and the completion of SR 509 in King County.

- Essential connections to the ports of Tacoma and Seattle
- Ensure people and goods move more reliably through the Puget Sound region
- Enhance the state's economic competitiveness by connecting the state's largest ports to key distribution centers

Delivering the projects under one program will allow WSDOT to realize efficiencies in planning, environmental review, design, and construction.

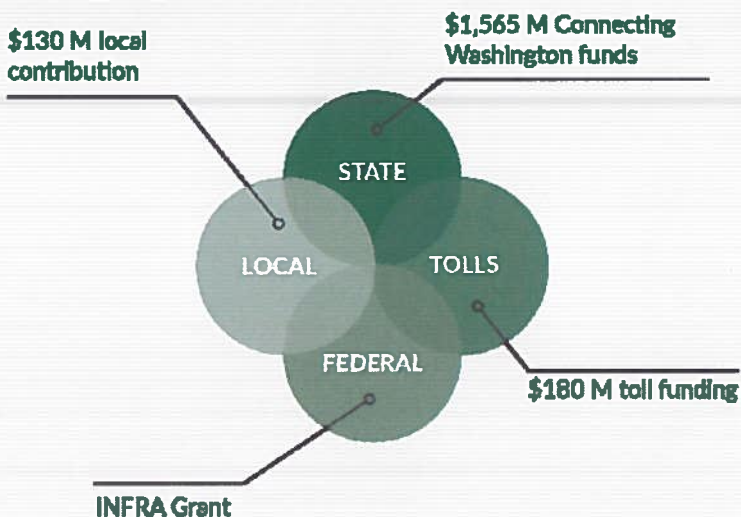


## Puget Sound Gateway Program Benefits

- Improve freight mobility and connections to the ports of Seattle and Tacoma
- Support a strong regional and state economy through increased accessibility and improved movements that reduce travel times between the manufacturing and industrial centers and the ports
- Allow for a new south access point to Sea-Tac Airport
- Create important alternatives to I-5
- Reduce congestion on local roads
- Provide sustainable congestion management through tolling



## Puget Sound Gateway Program Funding Spheres



## Local Funding Memorandum Of Understanding – Accomplished ✓

*APMHL*

Stephen P. Metruck  
Executive Director  
Port of Seattle

*[Signature]*

John Wolfe  
Chief Executive Officer  
Port of Tacoma

*Dow Constantine*

Dow Constantine  
County Executive  
King County

*[Signature]*

Bruce Dammeyer  
County Executive  
Pierce County

*[Signature]*

David E. Hill  
Mayor  
City of Algona

*Nancy Backus*

Nancy Backus  
Mayor  
City of Auburn

*[Signature]*

Brian Wilcox  
City Manager  
City of Bonen

*[Signature]*

Michael Matthias  
City Manager  
City of Des Moines

*[Signature]*

Daryl Esdinger  
Mayor  
City of Edgewood

*[Signature]*

Jim Farrell  
Mayor  
City of Federal Way

*[Signature]*

Hyun Kim  
City Manager  
City of Tide

*[Signature]*

Dena Ralph  
Mayor  
City of Kent

*[Signature]*

Shanna Styron-Sherrell  
Mayor  
City of Milton

*[Signature]*

Leanne Guier  
Mayor  
City of Pacific

*[Signature]*

Kerin Yamamoto  
City Manager  
City of Puyallup

*[Signature]*

Joseph Scorsone  
City Manager  
City of SeaTac

*[Signature]*

William L. Pugh  
Mayor  
City of Sumner

*[Signature]*

Elizabeth A. Paul  
City Manager  
City of Tacoma

*[Signature]*

Roger Millar  
Secretary of Transportation  
Washington State Department of Transportation

## Tolling

### How will tolling work?

- All new lanes will be tolled
- All electronic tolling
- Toll rates vary by time of day

### When will tolling begin?

- Tolling is scheduled to begin as stages of the project are completed (as early as 2025)
- The Washington State Transportation Commission will set toll rates closer to project completion (2023-2024)
- The State Legislature must authorize tolls before tolling can begin

SR 509



SR 167




## Federal USDOT INFRA Grants – Last Cycle

Project Name	Applicant Organization Name	Applicant State	Project Size	Proposed Award	Estimated Future Project Cost
Centennial Corridor State Route 58/59 Freight Improvement Project	City of Bakersfield	CA	Large	\$ 50,000,000	\$ 286,637,000
Interstate 5 Golden State Checkpoint Relief Program (I-5 Component)	Los Angeles County Metropolitan Transportation Authority	CA	Large	\$ 47,000,000	\$ 500,347,000
I-25 South Gap Project	El Paso County	CO	Large	\$ 66,000,000	\$ 390,000,000
I-70 Westbound Peak Period Shoulder Lane	Colorado Department of Transportation	CO	Large	\$ 25,000,000	\$ 96,600,000
SR 400 Express Lanes	Georgia Department of Transportation	GA	Large	\$ 184,124,447	\$ 1,623,124,447
Accelerating Regional Mobility: I-40/I-380 System Interchange	Iowa Department of Transportation	IA	Large	\$ 58,000,000	\$ 436,506,706
Interstate 84 Safety, Mobility, and Economic Opportunity Expansion - Karber Interchange to Franklin Boulevard	Transportation, Idaho Department of	ID	Large	\$ 98,240,000	\$ 150,400,000
75th Street Corridor Improvements and Argo Connections (P3, GS19, B5)	Illinois Department of Transportation	IL	Large	\$ 132,034,680	\$ 413,466,297
Boone County I-71/I-75 Interchanges	Kentucky Transportation Cabinet	KY	Large	\$ 67,445,000	\$ 150,890,000
LA 23 Belle Chasse Bridge and Tunnel Replacement	Louisiana Department of Transportation and Development	LA	Large	\$ 46,000,000	\$ 121,918,866
I-395/Route 9 Connector	Maine Department of Transportation	ME	Large	\$ 25,000,000	\$ 78,944,938
Mound Road Industrial Corridor Technology and Innovation Project	Macomb County	MI	Large	\$ 97,864,465	\$ 216,860,000
I-95/I-85, 70 Innovative Technology and Rural Mobility Corridor Improvements	North Carolina Department of Transportation	NC	Large	\$ 147,364,000	\$ 879,755,000
I-44 Corridor Improvements	Oklahoma Department of Transportation	OK	Large	\$ 46,000,000	\$ 107,744,810
I-80 and I-99 Interstate Connection	Pennsylvania Department of Transportation	PA	Large	\$ 35,110,400	\$ 183,395,132
Packer Avenue Marine Terminal Capacity & Warehouse Relocation Project	Philadelphia Regional Port Authority	PA	Large	\$ 25,500,000	\$ 110,500,000
US-78 /SR 4/Lamar Avenue Corridor Improvements	Tennessee Department of Transportation	TN	Large	\$ 71,136,598	\$ 258,004,207
I-35 North Tarrant Express "Accelerated Elements" Project	Texas Department of Transportation	TX	Large	\$ 65,000,000	\$ 827,900,000
Northwest Quadrant Freight Mobility Project (S600 West and SLGW Rail Interchange Components)	Utah Department of Transportation	UT	Large	\$ 25,000,000	\$ 111,675,487
94 North-South Freeway Project	Wisconsin Department of Transportation	WI	Large	\$ 160,000,000	\$ 492,500,000

## Construction & Implementation Plan




# SR 509 Completion Project



**Tolling SR 509**  
All lanes on the new portion of SR 509 will be tolled using one-direction tolling. There will be no tollbooths. Toll rates will be set by time of day - heavy during peak periods, and less during mid-day, evening and weekends. Toll rates for the new portion of SR 509 have not been determined. A toll administration bill must be passed by the Legislature before tolling begins. \$25 million from tolls will be used to complete the SR 509 Completion Project. The Washington State Transportation Commission would then oversee the rate setting process. The rate setting process will begin 18 months before the project is completed.


**Lake to Sound Trail Final Segment**  
The Puget Sound Cleanup Program will help to fund a portion of the Lake to Sound Trail, a 1.6-mile non-motorized trail extending from Lake Washington to the Puget Sound shoreline. WSDOT is working on three construction contracts to complete the trail, and is currently in final design of the final segment of the trail. The SR 509 Agreement will cross over the trail near South 24th St. and South 18th St.



**Working with Sound Transit**  
WSDOT is working with Sound Transit to help support work to build new rail and infrastructure projects in the area. In coordination with Sound Transit, WSDOT is working to address any needs in the area that may be affected by the construction of the projects. The projects will be completed in 2019 and 2020. The projects will be completed in 2019 and 2020. The projects will be completed in 2019 and 2020.


**Early Work in SeaTac, Connecting 28th/24th Avenue South**  
The SR 509 will be constructed in a staged construction process. The first stage will be to build a new road between South 28th and South 24th Avenue South. This road will connect the gap in the SR 509 between South 28th and South 24th Avenue South. This road will connect the gap in the SR 509 between South 28th and South 24th Avenue South.

**Southern Access to Sea-Tac Airport**  
The SR 509 will be constructed in a staged construction process. The first stage will be to build a new road between South 28th and South 24th Avenue South. This road will connect the gap in the SR 509 between South 28th and South 24th Avenue South.



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# SR 509 Construction Stages

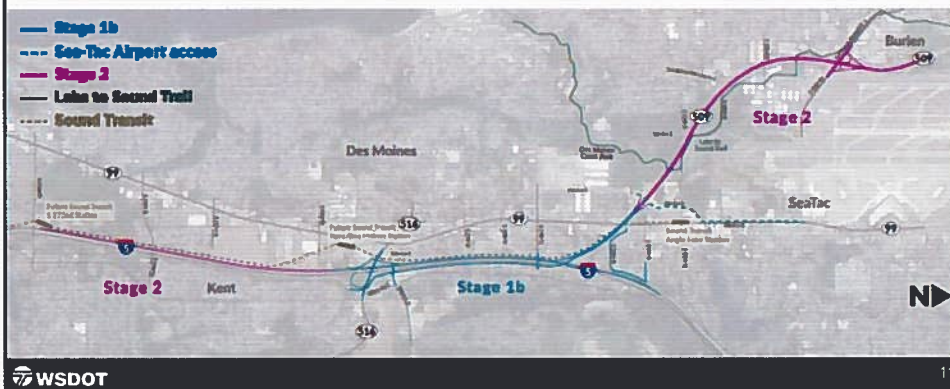


	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
<b>SR 509 Right of Way</b>	RIGHT OF WAY															
<b>Stage 1a SR 99 (Sound Transit)</b>			DESIGN		CONSTRUCTION											
<b>Stage 1b I-5 to 28th/24th</b>			DESIGN		CONSTRUCTION											
<b>Stage 2 28th/24th to S 188th</b>					DESIGN				CONSTRUCTION							

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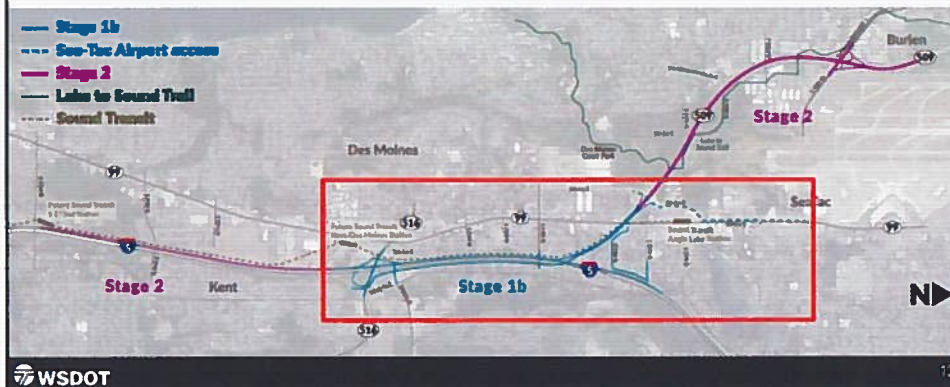
## SR 509 Phase 1 Construction Stages

- Stage 1a (built by Sound Transit):
  - Builds new SR 99 Bridge
  - Builds retaining walls along I-5 between the guideway and the southbound collector/distributor.



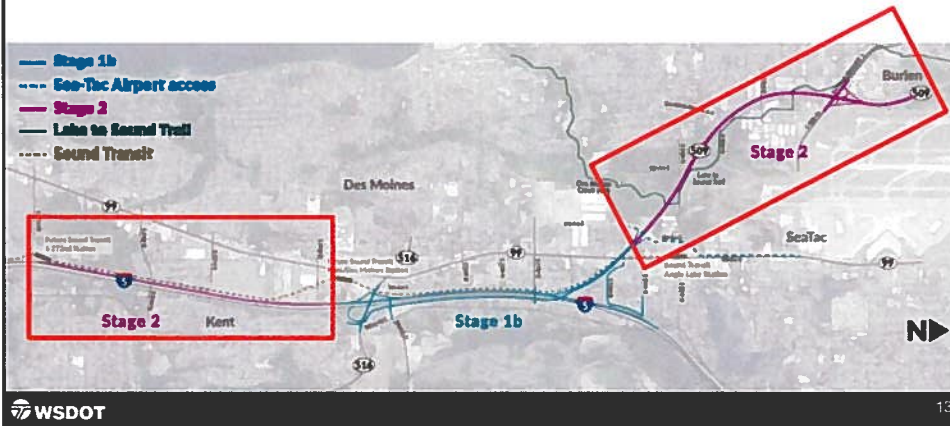
## SR 509 Phase 1 Construction Stages

- Stage 1b:
  - Reconstructs the SR 516 interchange including the connection to Veterans Drive
  - Reconstructs the S. 216th Street Bridge
  - Builds new northbound I-5 auxiliary lane, southbound I-5 collector/distributor
  - Installs toll point at S. 210th Street vicinity
  - Builds two lanes in each direction between 28th/24th Avenue S. and the connection to I-5



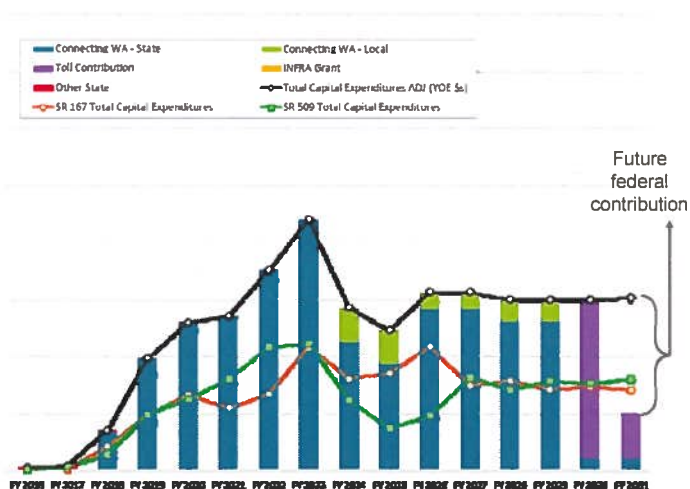
## SR 509 Phase 1 Construction Stages

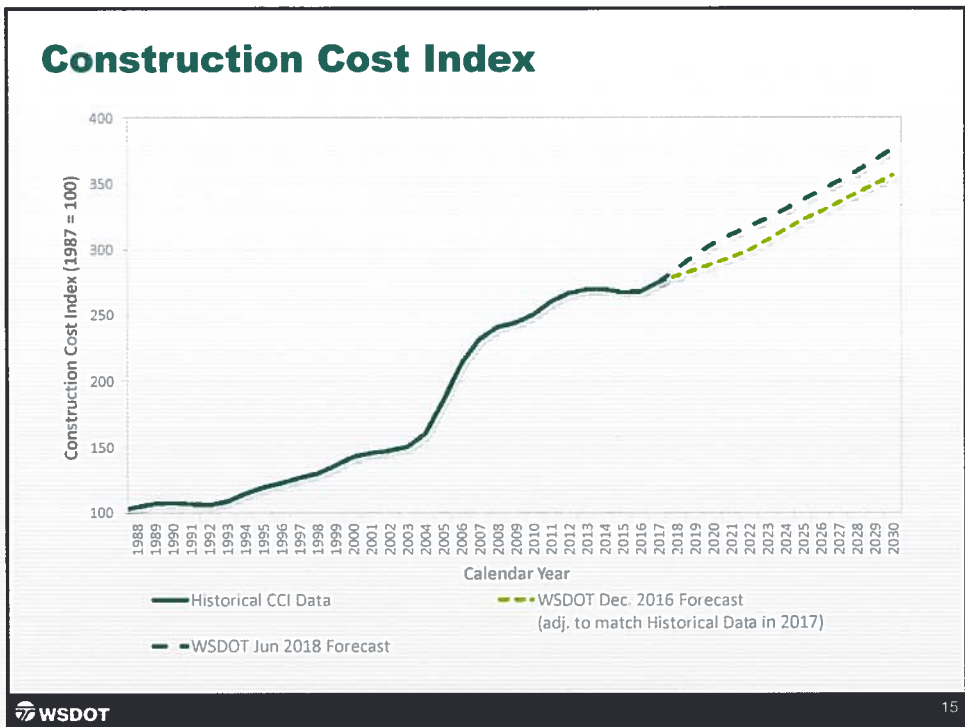
- Stage 2:
  - Builds two lanes in each direction between 28th/24th Ave S. and S. 188th Street
  - Builds folded diamond interchange at S. 188th Street
  - Builds southbound auxiliary lanes between SR 516 and S. 272nd Street



## Funding Constrained Baseline Sources & Uses

- Capital expenditures timed to match legislative funding
- Incorporates latest June 2018 inflation indices
- Funding gap shown in FY 2031, anticipated to be filled with future federal contribution
- Stage 2 open to traffic with tolling in January 2031 (mid FY 2031)



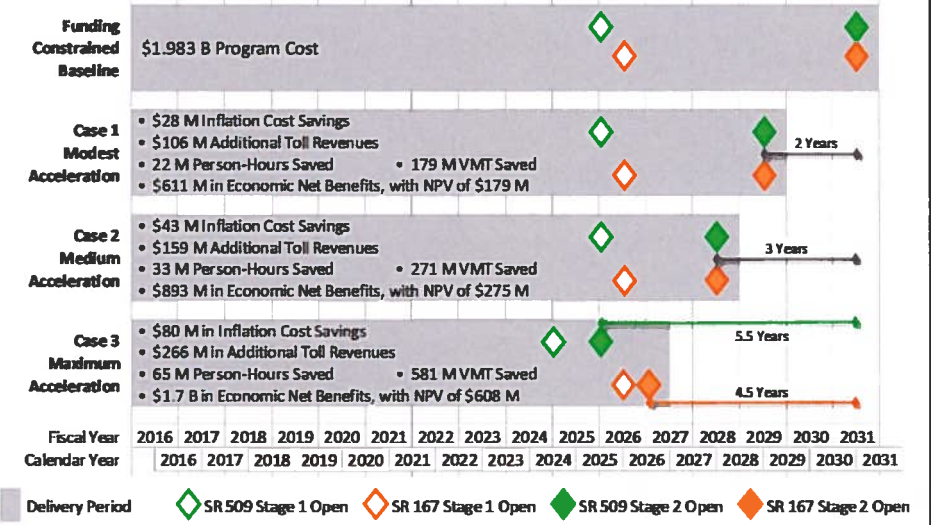


### Schedule Acceleration

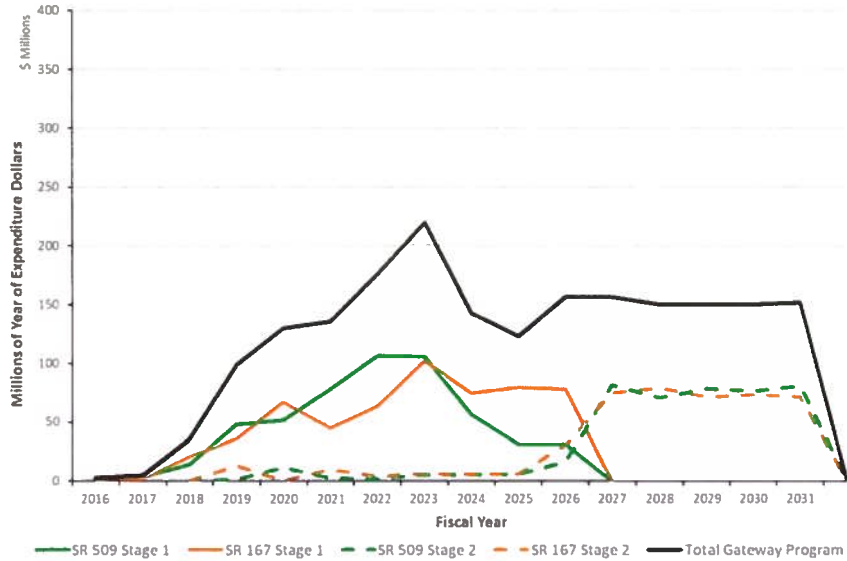
WSDOT 16



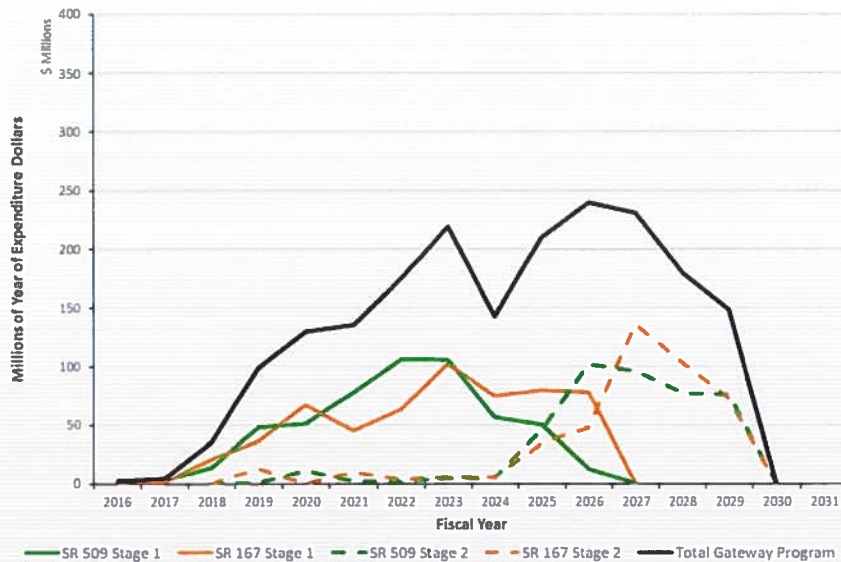
## Financial & Economic Benefits of Acceleration



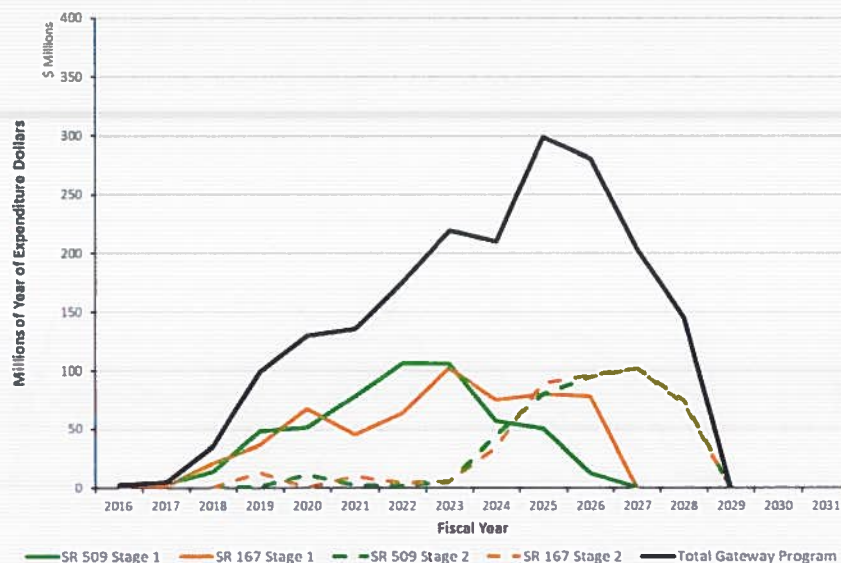
## Funding Constrained Baseline Expenditures by Project & Stage



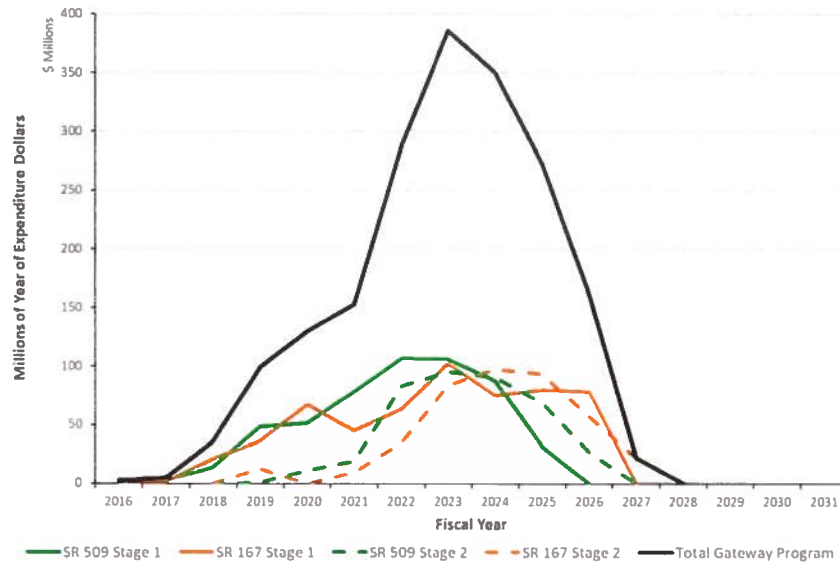
### Acceleration Case #1: Modest Acceleration Expenditures by Project & Stage



### Acceleration Case #2: Medium Acceleration Expenditures by Project & Stage

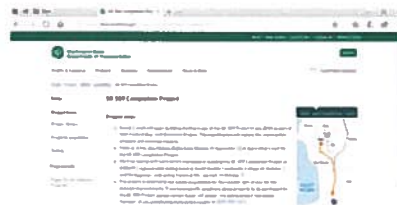


### Acceleration Case #3: Maximum Acceleration Expenditures by Project & Stage



### Community Outreach

- Stakeholder engagement: Executive and Steering Committee meetings
- SR 509 online open house
- Attended over 15 events, fairs and festivals this past summer
- Conducted over 30 briefings and presentations



#### What's next?

- Executive and Steering Committee meetings
  - November and December
- Ongoing briefings and presentations
- S. 216<sup>th</sup> Bridge outreach



## More information:

Craig J. Stone, PE  
Puget Sound Gateway Program Administrator  
(206) 464-1222  
[StoneC@wsdot.wa.gov](mailto:StoneC@wsdot.wa.gov)