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Budget Action description:

This budget action increases the use of the Seattle Department of Transportation’s (SDOT’s) Transportation Operating Fund unreserved fund balance to pay for operational feasibility studies and intelligent transportation systems (ITS) infrastructure improvements along the West Seattle Bridge Corridor (the Corridor) to address congestion and delay. This budget action also amends the Seattle Department of Transportation’s 2016-2021 CIP for the Next Generation Intelligent Transportation Systems project (TC367430) and adds a total of \$600,000 in 2016 for the installation of ITS infrastructure in the Corridor (\$500,000) and Corridor feasibility studies (\$100,000).

This green sheet would impose the following budget proviso:

“Of the appropriation in the 2016 budget for the Seattle Department of Transportation’s Mobility Operations BCL, \$100,000 is appropriated solely for West Seattle Bridge Corridor feasibility studies. Furthermore, none of the money so appropriated may be spent until the Chair of the Transportation Committee files with the City Clerk his or her certification that the Seattle Department of Transportation has provided a report to the Transportation Committee describing (1) the discrete West Seattle Bridge Corridor feasibility study scope elements, (2) the resources required to complete all elements of the feasibility studies, and (3) the anticipated completion date for the studies.”

Background

The proposal would increase SDOT’s Mobility Capital BCL appropriations by \$500,000 to fund the installation of ITS infrastructure at east-west railroad crossings along the Corridor and increase SDOT’s Mobility Operations BCL appropriations by \$100,000 to study physical and operational improvements throughout the Corridor. The proposal follows up on a year-long effort led by SDOT and SPD to coordinate infrastructure and traffic operations planning in the Corridor. As a work product SDOT developed the West Seattle Bridge Corridor Whitepaper and Priority Investment List that describes the short, medium and long-term investments that could improve Corridor performance for all modes.

The proposed budget action would allocate \$100,000 for further analysis of physical and operational improvements in the Corridor with the expectation that the Executive will provide any additional resources necessary to complete the work activities described below.

1. Evaluate the feasibility and benefit of installing center barrier sections so response vehicles can make U-turns to speed up response time.
2. Evaluate the feasibility and benefit of installing markings and signs to provide on designated emergency lane in each direction to West Seattle Bridge upper roadways for use during emergencies.
3. Coordinate with WSDOT to determine the feasibility of traffic management modifications to improve eastbound Spokane Street Viaduct connections to south and northbound I-5.
4. Evaluate Lower Spokane Street chokepoint relationships to determine if rail, truck and bridge opening blockages can be better coordinated to avoid cumulative impacts.

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5. Evaluate better communications protocols for Port of Seattle cooperation with truck queue management and dispersal.
6. Initiate and SDOT/WSDOT Peer Review Team to review traffic operational and safety improvement opportunities on West Seattle Bridge upper and lower roadways and make recommendations.

In addition to the feasibility studies, this green sheet adds \$500,000 to install ITS equipment including Bluetooth readers and dynamic message signs along the Corridor between Airport Way South and Port of Seattle Terminals 5 and 18 in order to collect and display real-time travel time information to trucks drivers and other motorists. Traffic signal system improvements at the intersection of Chelan Avenue Southwest and West Marginal Way Southwest could also be included in the project scope. Taken together these improvements would provide freight operators and the general public with critical information, travel options and better reliability.

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Budget Action Transactions

Budget Action Title: Add \$600,000 to SDOT for West Seattle Bridge Corridor congestion management investments and add a proviso

#	Transaction Description	Position Title	Number of Positions	FTE	Dept	BCL or Revenue Source	Summit Code	Fund	Year	Revenue Amount	Expenditure Amount
1	Increase use of fund balance for West Seattle Bridge congestion management investments				SDOT	Use of (Contribution to) Fund Balance	379100	10310	2016	\$600,000	
2	Increase SDOT appropriations for West Seattle Bridge Corridor feasibility studies				SDOT	Mobility-Operations	17003	10310	2016		\$100,000
3	Increase SDOT appropriations for West Seattle Bridge Corridor ITS investments				SDOT	Mobility-Capital	19003	10310	2016		\$500,000