FY2023-2029 Capital Investment Program

PW-R-156: Smart Mobility Plan Implementation Program

Category: Transporation & Mobility
Status: Ongoing
Department: Transportation
Location: Citywide

Programmed Expenditures

Programmed Expenditures	Appropriated To Date	FY 2023 Budget	FY 2024 Budget	FY 2025 Budget	FY 2026 Budget	FY 2027 Budget	FY 2028 Budget	FY 2029 Budget
8,336,982	4,034,004	554,584	579,342	594,197	614,004	633,810	653,617	673,423

Description and Scope

This program will systematically implement the recommendations of the City's Smart Mobility Plan completed in 2018. The funding provides the resources to plan and implement Smart Mobility technology in 5 areas: share-user mobility; data management & integration; autonomous, connected electric vehicles; real-time traveler information & traffic management. Projects will be selected to provide cost effective measures to manage traffic congestion, improve safety, limit impact to neighborhoods from cut-through traffic and increase the availability of real-time traffic information to user of the transportation systems. Repairs, upgrades & new installations of the citywide fiber optic network are partially funded through R-156. This network supports the communication to every traffic signal in the city, every facility owned by the City of Bellevue, public WiFi, WiFi for low income housing and a consortium of public/private partners.

Rationale

This program is a key strategy in transitioning from a transportation system focused on the drive-alone trip, to one that focuses on actively managing the transportation system to systematically improve traffic capacity, enhance and promote multi-modal transportation and safety, effectively address emergency management and events, promote neighborhood safety, and providing improved motorist information for better transportation decision making by users. The effort matches the City's strategy for a "high quality built and natural environment through the program's support of advanced transportation technologies. Funded projects provide cost-effective solutions to help reduce traffic congestion and increase the capacity of the transportation system through efficiency gains and the provision of an alternative to costly roadway and intersection expansion projects. With the completion of the SCAT adaptive signal control system deployment, this program is crucial for funding on-going expenditures for support, system maintenance, network communication, software licensing and performance measure.

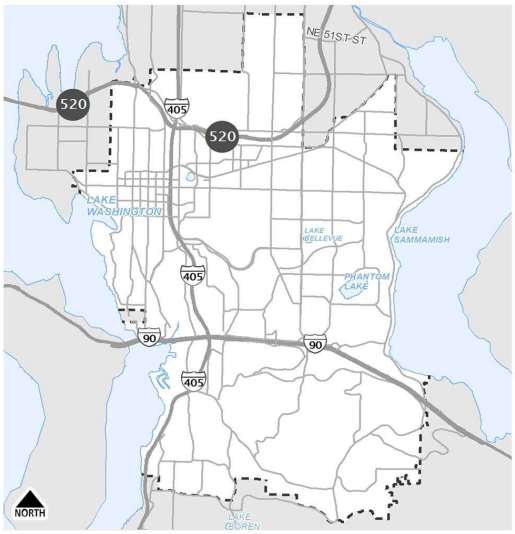
Environmental Impacts

This program funds projects that are primarily safety oriented and implemented on previously improved rights of way, so environmental issues are minimal and are addressed as appropriate on a location-by-location basis. The efforts will support lower vehicle fuel usage, lower electrical energy production, reducing carbon emissions and better transportation system efficiency.

Operating Budget Impacts

Operating costs for this program will be determined on a project specific basis as required.

Project Map



Schedule of Actvities

Project Activities	From - To	Amount
Project Costs	Ongoing	8,336,982
	Total Budgetary Cost Estimate:	**8,336,982**

Means of Financing

Funding Source	Amount
B&O Tax - Restricted	246,044
Transportation REET	3,931,337
Federal Grant	25,002
Grant	394,000
MVFT	82,324
Misc revenue	3,249,045
Bond	409,231
Total Programmed Funding:	8,336,982
Future Funding Requirements:	-

FY2023-2029
Comments