FY2019-2025 Capital Investment Program

PW-R-156 ITS Master Plan Implementation Program

Category: **Improved Mobility/Connectivity** Status: **Ongoing**
Department: **Transportation** Location **Citywide**

Programmed Expenditures

Programmed Expenditures	Appropriated To Date	FY 2019 Budget	FY 2020 Budget	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2025 Budget
5,177,002	1,816,002	440,000	453,000	465,000	479,000	493,000	508,000	523,000

Description and Scope

This program will systematically implement the recommendations of the City's Intelligent Transportation System (ITS) Master Plan completed in 2005 and provide the funding need to update the plan in 2017. The plan update will be a catalyst toward providing the direction needed to support many of the emerging technologies in the transportation industry such as Connected Vehicles, Smart Cities and Autonomous Vehicles. ITS projects will be selected to provide cost effective measures to reduce traffic congestion, improve safety, and increase the availability of real time traffic information to users of the transportation system. Possible projects include, but are not limited to, additional traffic cameras for motorist information and investigation of collisions; flood location monitoring; real-time traveler information enhancements; installation of dynamic message signs at key locations; variable lane controls that adjust to changing traffic conditions; WiFi system expansion; roadway weather stations; parking management; emergency vehicle preempt upgrades; and street light monitoring systems. This program also includes community safety technologies such as stationary radar signs that have proven effective at reducing vehicle speeds and addressing citizen concerns.

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. ITS 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 and software licensing.

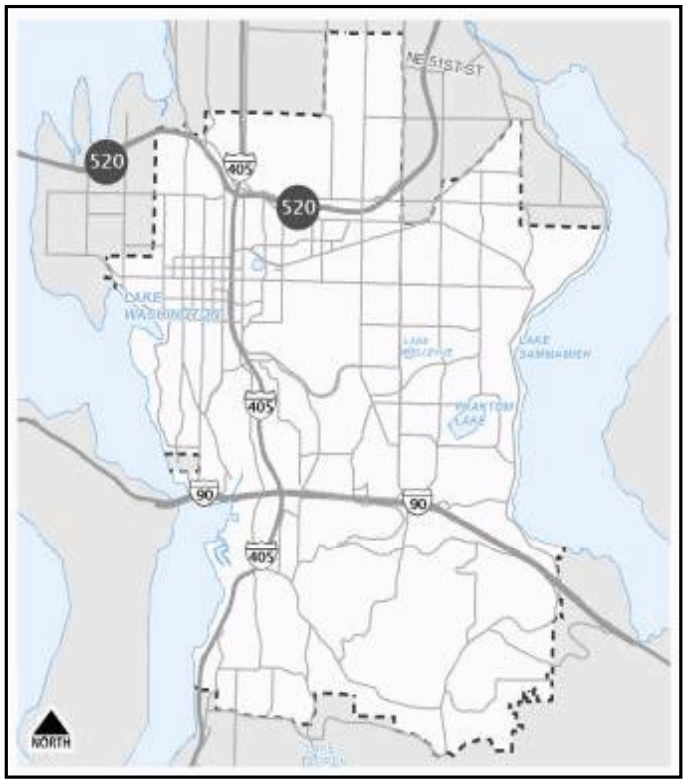
Environmental Impacts

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. This project will support lower vehicle fuel usage and lower electrical energy production reducing carbon emissions.

Operating Budget Impacts

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

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Project Costs	Ongoing	5,177,002
Total Budgetary Cost Estimate:		5,177,002

Means of Financing

Funding Source	Amount
General Taxes & LTGO Bond Proceeds	1,520,224
Real Estate Excise Tax	3,656,778
Total Programmed Funding:	5,177,002
Future Funding Requirements:	

Comments