

G-38 Smart City Connectivity

Category: **High Quality Built and Natural E** Status: **Ongoing**

Department: **Information Technology**

Location: **Various locations throughout the City of Bellevue**

Programmed Expenditures

Programmed Expenditures	Appropriated To Date	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2025 Budget	FY 2026 Budget	FY 2027 Budget
2,635,567	1,397,000	363,250	298,442	265,384	183,219	128,272	-	-

Description and Scope

This proposal responds to Council Priority "Advance implementation of the Smart City Strategy, including advanced transportation technology and autonomous, connected, electric and shared vehicle technologies." under the High Quality Built and Natural Environment target area.

The fundamentals of this proposal were identified in the BellevueSmart Plan: Planning for a Smarter City, which Council endorsed in 2017.

This proposal includes the following objectives:

(1) Fiber - provides resources to maintain the existing fiber-optic infrastructure to address gaps and bottlenecks as opportunities arise while modestly funding the replacement of the fiber network. The fiber-optic network is used to connect City facilities, the Intelligent Transportation System, and streetlight system and is a major component of the Connectivity and Transportation elements in the Smart City plan; (2) Wi-Fi - supports Bellevue's economic competitiveness brand by expanding public Wi-Fi in parks, community centers, housing properties and business districts (3) Security - ensures the physical and cyberinfrastructure of Smart City systems are protected by following best practices for risk assessments and remediation.

Rationale

Encouraging reliable, secure, and robust communications infrastructure aligns with the following Council Strategic Target Areas: (1) Economic Development - the 2019 Business Survey shows that 85% of businesses in Bellevue report their current internet services meet their needs today, and 72% believe it will meet their needs in the next 2-3 years. This supports the Council vision on Economic Development, "We are a growing center for a broad range of technologies – including software, mobile communications, and medical devices and services"; (2) High Quality Built and Natural Environment – robust fiber infrastructure can strengthen community institutions, such as hospitals and schools, that contribute to the city's brand as a smart, connected community and can be leveraged for public-private partnerships when opportunities arise. Expanding public Wi-Fi in more locations throughout the City is a way to provide a connectivity safety net for students and low-income older adults. In partnership with King County Housing Authority and Bellevue School District, Wi-Fi has been added to three KCHA housing properties to serve students and families, and this proposal continues the free BellevueConnect Wi-Fi services; (3) Regional Leadership and Influence – regional collaboration and innovation are enabled through this proposal. Joint fiber projects through the Community Connectivity Consortium organization that serves 28 public institutions, including Bellevue College, Bellevue School District, and the University of Washington, enables high-speed connectivity to the internet and cloud providers. This proposal has completed fiber projects to connect the Global Innovation Exchange (GIX) and clinics for Overlake Hospital and University of Washington Medicine and will continue to enable other regional opportunities that will arise as Bellevue continues its regional leadership.

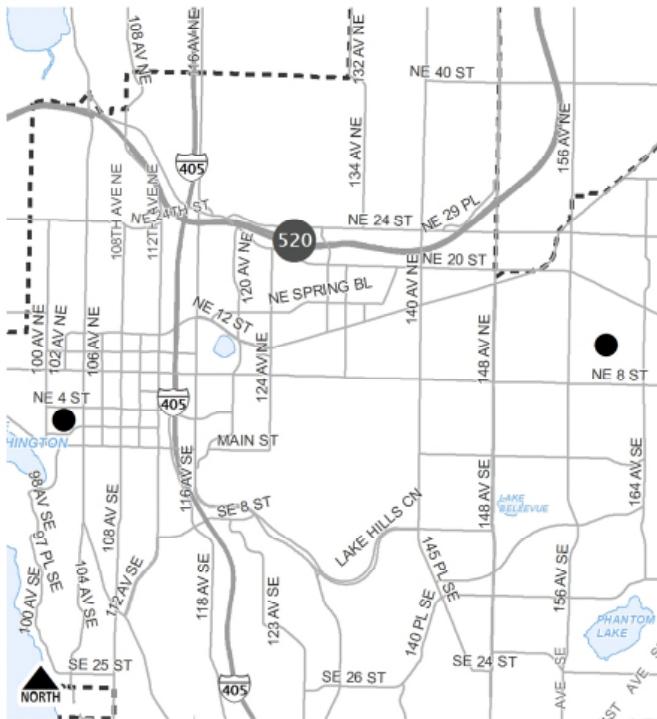
Environmental Impacts

N/A

Operating Budget Impacts

N/A

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Project Costs	Ongoing	2,635,567

Total Budgetary Cost Estimate: 2,635,567

Means of Financing

Funding Source	Amount
General Taxes & LTGO Bond Proceeds	2,635,567

Total Programmed Funding: 2,635,567
Future Funding Requirements: 0