

City of Bellevue - Budget One 2017-2023

Utilities CIP Budget Project Summaries by Outcome

Healthy and Sustainable Environment

D-109 **Title:** Stormwater Quality Retrofit in Kelsey Creek

Proposal: 140.08NA **Department:** Utilities

Status

Category

Project Cost **Total Project Cost through**
2017-2023 **2023 Budget Request**

New

Storm Drainage

343,000

343,000

Project Description

This project will design and install three water quality retrofit improvements using biofiltration and rain garden techniques within city rights-of-way, where it will improve water quality from street runoff to Kelsey Creek. The Storm and Surface Water System Plan reported that over 38% of the city was developed without water quality treatment of stormwater. When stormwater management regulations were first established, they focused largely on flood control. Recent studies have demonstrated that roadway stormwater runoff kills Coho salmon. In 2014 there was 100% mortality of hatchery Coho salmon transplanted to Kelsey Creek. Studies show that filtering stormwater runoff through bio-retention soil mixes will clean the stormwater sufficiently to result in salmon survival. This project will improve stormwater quality, and improve fish survival. It lays the foundation for an ongoing program that Bellevue could use to meet water quality retrofit requirements. It aligns with many resource agency goals for water quality retrofit and low impact development BMPs, and positions Bellevue to be successful with grant applications from those agencies.

Note – CIP Proposal Executive summaries are listed in CIP Plan Number order. They do not include debt proposals and reserve proposals, nor do they include operating proposals which can be found in the Operating section.