

PW-M-21 148th Ave SE at Larsen Lake Flood Mitigation

Category: **High Quality Built & Natural Env** Status: **New**Department: **Transportation**Location: **148th Ave SE between SE 8th St and Main St**

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
460,000	-	-	460,000	-	-	-	-	-

Description and Scope

The ultimate goal of this project is to substantially reduce the frequency of flooding of the only major north-south arterial in east Bellevue. This initial project will conduct a site assessment, hydraulic modeling, geotechnical and structural analyses, and initiate preliminary design to progress toward construction of best drainage treatments and resilient design to reduce or eliminate roadway flooding on 148th Avenue SE between SE 8th Street and Main Street, adjacent to Lake Hills Greenbelt, also known as Larsen Lake.

Rationale

This project is identified in King County Resolution number FCD2020-22 and provides funding to the City of Bellevue to develop preliminary engineering design for the project identified as "WLFL6 148th Ave SE Larsen Lk Bellevue." Between 1999 and 2019, 148th Avenue SE has been fully or partially closed on 23 separate occasions due to flooding caused by moderate to heavy rain or longer duration rain events between SE 8th Street and Main Street. Adjacent corridors that are impacted by the closures of 148th Avenue SE run through residential areas and do not have the capacity to manage the additional vehicles, causing major traffic and safety issues. The City of Bellevue is highly motivated to keep the 148th Avenue corridor open and operational without interruption. In addition to roadway impacts and closures on 148th Avenue SE, the impacts of flooding are more widespread, threatening park lands, blueberry fields and nearby residences.

Environmental Impacts

The terrain in the project area is a low gradient peat bog that is partially within a FEMA floodplain. The construction of this project may impact regulatory floodplain, wetland, wetland buffer and storm water.

Operating Budget Impacts

Operating costs will be determined as the project progress through design and the ultimate improvements are determined.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Project Costs	2022 - 2022	460,000

Total Budgetary Cost Estimate: 460,000

Means of Financing

Funding Source	Amount
Interlocal Contributions	400,000
Operating Transfers In	60,000

Total Programmed Funding: 460,000
Future Funding Requirements: 0

Comments

Revised 2/14/2022 (Ord. 6650): New project funded by transfer of local funds from PW-R-202 (\$60,000) and funding from King County (\$400,000)