



CITY OF KIRKLAND
Department of Public Works
123 Fifth Avenue, Kirkland, WA 98033 425.587.3800
www.kirklandwa.gov

MEMORANDUM

To: Kurt Triplett, City Manager

From: Scott Gonsar, P.E., Project Engineer
Rod Steitzer, P.E., Capital Projects Manager
Julie Underwood, Director of Public Works

Date: December 17, 2020

Subject: CKC SURFACE WATER DRAINAGE HEADWALL REPAIR—ACCEPT WORK

RECOMMENDATION:

Staff recommends that the City Council:

- Accept work on the CKC Surface water Drainage Headwall Repair (Project) as constructed by Dungeness Construction Company, of Langley, Washington, in the amount of \$300,151.54, and establish lien period; and
- Approve returning \$2,036.26 from the Project to Surface Water Reserve.

By taking action on the item under the Consent Calendar, the City Council is accepting the work on the Project, establishing lien period, and returning excess funds to Surface Water Reserves.

BACKGROUND DISCUSSION:

This Project replaced an old, failing wood wall with a concrete block wall that both prevents erosion of the stream bank and physically supports the surface of the CKC. The Project also improved stream habitat and replaced failed infrastructure components at mile 3.5 of the Cross Kirkland Corridor (CKC). Further, the improvements dissipate stream energy to provide channel stability (see Attachment A, Vicinity Map). Several alternatives for the best way to design this Project were evaluated by a consultant (see "Headwall Alternative Report" in Table 1, below). This project also required a full federal, state, and local permitting process including Army Corp of Engineers Joint Aquatic Resources Permit, as well as a Hydraulic Project Approval from the Department of Fish and Wildlife, and responses to comments from the Muckleshoot Indian Tribe, all of which took a significant amount of time, effort, and documentation studies.

To reduce the amount of time the CKC would need to be closed during construction, prior to advertising for bids staff worked to acquire a temporary construction easement across a parcel owned by King County. Doing so required a survey, a cost for the temporary right, and staff time (see "Temporary Construction Easement" in Table 1). Because of this, the CKC needed to be closed for only 10 calendar days.

Subsequently, the Council awarded a construction contract to Dungeness Construction Company on May 21, 2019. Construction began on July 18, 2019 and reached physical completion on November 19, 2019. During construction, a special inspector was used to ensure channel stability, suitable habitat, field fit channel dams and boulders, and maintain stream compliance (see "Compliance and Special Inspection" in Table 1). There were no change orders on the project, and the total amount distributed to the Contractor was \$300,151.54.



View of Concrete Block Wall
Looking Southeast Toward CKC

While this project was completed a year ago, before project acceptance, we require a full year of plant establishment work from the contractor to ensure satisfactory compliance of our standards.

The Project is complete, and all expenses are known. The total funding, actual project expenses, and remaining balance are shown in the table below.

Table 1: Funding and Actual Expenses (SDC-106)

Funding	
Surface Water Utility Funds	\$540,000.00
King County Flood Control Grant Funding	\$150,000.00
Total	\$690,000.00
Actual Expenses	
Headwall Alternative Report	(\$38,340.68)
Consultants	(\$156,876.51)
In-house	(\$93,505.15)
Temporary Construction Easement	(\$62,405.70)
Compliance and Special Inspection	(\$36,684.16)
Construction	(\$300,151.54)
Total	(\$687,963.74)
Balance	\$2,036.26

The Project ended with a positive balance of \$2,036.26, which staff recommends returning to the Surface Water Reserve (see Attachment C, Fiscal Note).

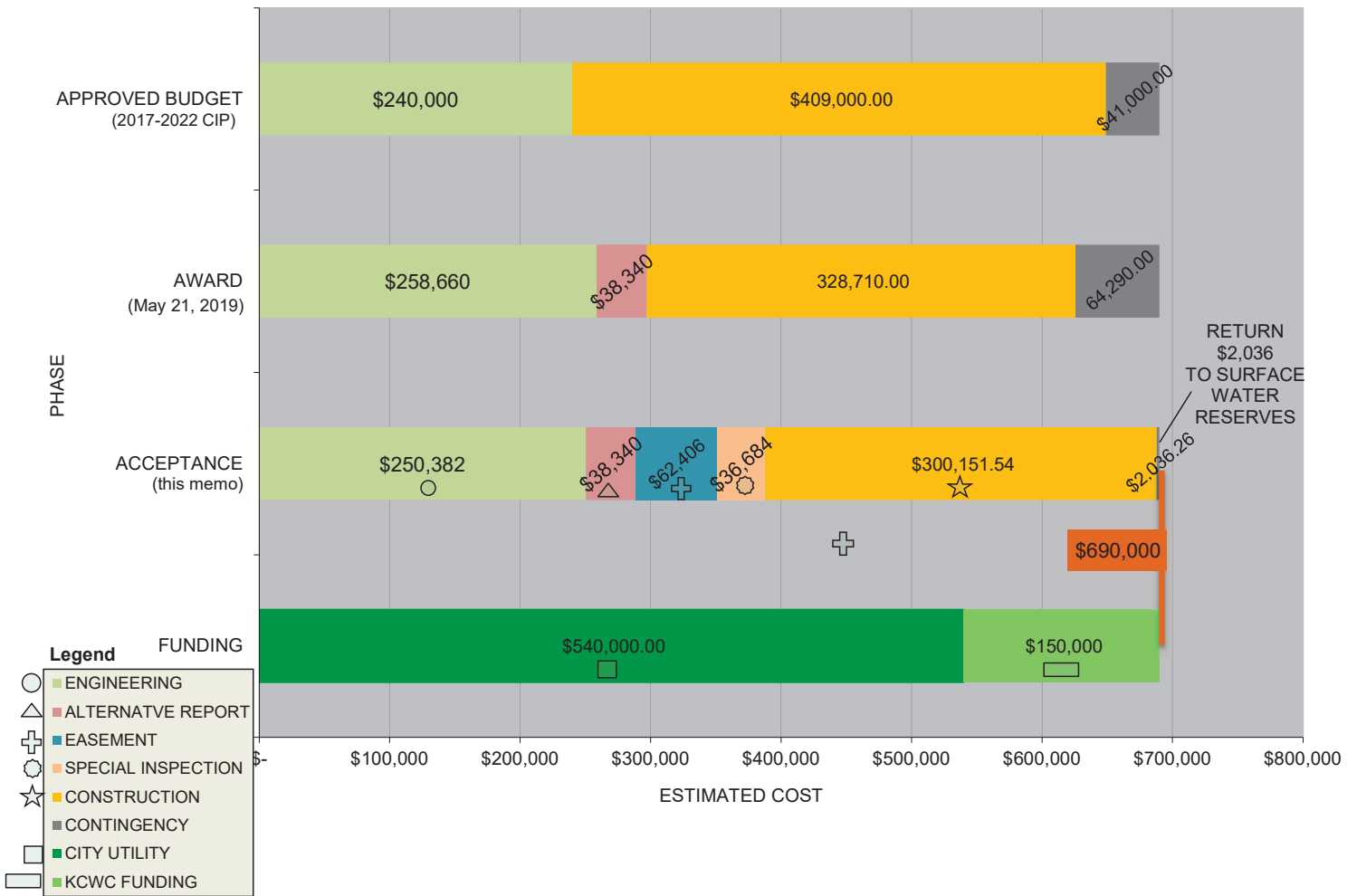
Attachment A: Vicinity Map with Area Map Inset
Attachment B: Project Budget Report
Attachment C: Fiscal Note



CKC SURFACEWATER DRAINAGE CRESTWOODS PARK PROJECT (SD0-0106001)

Attachment B

PROJECT BUDGET REPORT



FISCAL NOTE*CITY OF KIRKLAND*

Source of Request							
Julie Underwood, Interim Director of Public Works							
Description of Request							
One-time transfer of unspent project balance from the CKC Headwall Project (SDC1060000 & SDC1060100) to the Surface Water Reserve. Balance at the time of the accept-work memo is estimated to be \$2,036.							
Legality/City Policy Basis							
Fiscal Impact							
One-time transfer of approximately \$2,036 to Surface Water Reserves.							
Recommended Funding Source(s)							
Reserve	Description	2020 Est End Balance	Prior Auth. 2019-20 Uses	Prior Auth. 2019-20 Additions	Amount This Request	Revised 2020 End Balance	2020 Target
Revenue/Exp Savings	Expenditure savings amount to \$2,036. The original funding source is Surface Water Reserves.						
Other Source							
Other Information							
- Reserve transfer to 42325931-599014 (SDR1111001)							

Prepared By	Robby Perkins-High, Senior Financial Analyst	Date	November 24, 2020
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