



BUSINESS OF THE CITY COUNCIL CITY OF SNOQUALMIE

AB22-127
September 26, 2022
Committee Report

AGENDA BILL INFORMATION

TITLE:	AB22-127 Consultant Services Agreement with Otak for Design of Kimball Creek Bridges Restoration	<input type="checkbox"/> Discussion Only
PROPOSED ACTION:	Approve Consultant Services Agreement with Otak, Inc (Otak) for design and permitting of Kimball Creek Bridges Repair project	<input checked="" type="checkbox"/> Action Needed: <input checked="" type="checkbox"/> Motion <input type="checkbox"/> Ordinance <input type="checkbox"/> Resolution

REVIEW:	Department Director/Peer	Mike Chambless	8/31/2022
	Finance	Drew Bouta	9/13/2022
	Legal	Anna Astrakhan	8/31/2022
	City Administrator	Mike Sauerwein	8/31/2022

DEPARTMENT:	Parks & Public Works		
STAFF:	Jeff Hamlin, PE – City Engineer		
COMMITTEE:	Parks & Public Works	COMMITTEE DATE: September 20, 2022	
MEMBERS:	Ethan Benson	Bryan Holloway	Jo Johnson
EXHIBITS:	1. Agreement with Otak for Kimball Creek Bridge Restoration Project 2. Kimball Creek Bridge Assessment Memorandum 3. Kimball Cr Bridge Restoration – Otak Scope Fee Proposal		

AMOUNT OF EXPENDITURE	\$ 206,454
	\$ 0 (2021-22 Biennium),
AMOUNT BUDGETED	\$1,318,000 (Proposed 2023-24 Biennium)
APPROPRIATION REQUESTED	\$ 206,454

SUMMARY

INTRODUCTION

The City requires design services to prepare bridge repair documents for two bridges carrying Meadowbrook Way SE: South Fork Kimball Creek Bridge No. 1413B and East Fork Kimball Creek Bridge No. 1413C. Repairs will be based on previously prepared concept-level recommendations by Otak and will include utility coordination; cultural and historical analysis; permitting and environmental documentation; hydraulic design; civil roadway design, bridge repair design; and development of plans, specifications, and construction cost estimate.

LEGISLATIVE HISTORY

BACKGROUND

Initial efforts to replace the Kimball Creek Bridges began in 2016 with a Puget Sound Regional Council (PSRC) grant for \$195,000 to develop permitting and design documents to replace the bridge structures. Permit documents, plans, specifications and cost estimates were prepared for the work, but WSDOT and the permitting agencies would not accept them until funding had been secured for construction. Because of the small sizes of the two bridges, they are not included on the National Bridge Inventory list, thus not eligible for federal funding and construction funds were never obtained. Recent bridge inspections completed by King County in 2021 indicate that the bridge structures have continued to deteriorate and are now at a level of structural deficiency that repairs are necessary to avoid imminent failure within the next few years.

Public Works contracted with Otak to perform an assessment on the bridges to review alternatives for replacement or repair (see attached report). Otak evaluated several alternatives, including replacement in kind, replacement with culverts, repair of the structures, and associated permitting and funding assistance scenarios. Lacking viable alternatives for federal assistance, it was determined that repair of the existing bridge structures provided the greatest value to the City.

ANALYSIS

Otak completed an assessment of the bridge structures to evaluate alternatives for repair and/or replacement of the bridges (see attached *Memorandum – Kimball Creek Bridges Assessment*, dated May 26, 2022). The memorandum evaluated three potential avenues to address the decaying bridges, including:

1. Bridge Replacement Option included complete permitting and design to procure shovel ready designs and subsequent construction of the two bridge structures,
2. Culvert Replacement Option included possible replacement of the bridges with large culverts to take advantage of potential funding opportunities for fish passage improvements,
3. Bridge Repair Option evaluated repair concepts for comparison against the two replacement options,
4. The memo evaluates permitting levels of effort for each option, including cost and schedule impacts
5. The memo includes a review of funding options and cost estimates for the various scenarios.

Public Works conducted further study of funding options through review of guidance literature and discussions with State and Federal Highway authorities. Due to the lack of funding available to replace the bridges, staff recommend that the City proceed with bridge repairs in accordance with the recommendations provided in the Memo. Typically, repairs are warranted when the repair costs are less than about 50% - 70% of the bridge replacement cost. Repair costs for the Kimball Creek bridges are approximately 20% of the replacement cost, thus provide a good value option for the City.

BUDGET IMPACTS

The Administration recommends approving a contract with Otak in the amount of \$206,454 to design two bridge repairs on Meadowbrook Way SE (Kimball Creek Bridges Restoration Project). The amended CIP did not include the Kimball Creek Bridges Restoration Project and therefore the project was not included in the 2021-2022 Biennial Budget. However, the project was included within the recently adopted 2023-2028 CIP and the Administration proposes incorporating the project into the 2023-2024 Biennial Budget for \$1,318,000. To meet the accelerated timeline of this project, the Administration recommends increasing the appropriation available in the current 2021-2022 Biennial Budget (Transportation Capital Fund #310) through a budget amendment to match the anticipated burn rate (~\$15,880) per month. To offset this increase, the Administration also recommends reducing the appropriation proposed in the 2023-2024 Biennial Budget by an equal amount. The total estimated spend on the contract for the remainder of 2022 is \$63,520. A budget amendment will be forthcoming before the end of the year. A total of \$18,662 has been spent previously under this contract to conduct the bridges assessment memorandum, bringing the new contractual value

total to \$225,116. The Memorandum assessment estimates approximately \$653,000 for construction of the bridge repairs.

NEXT STEPS

Proceed with design and permitting efforts to restore Kimball Creek Bridges in accordance with the Consultant Services Agreement Scope, Schedule and Budget.

PROPOSED ACTION

Move to approve Agreement for Consultant Services with Otak, Inc (Otak) for design and permitting of Kimball Creek Bridges Repair project