

2021-2022 Budget Preparation - Regular Additional Service Request

Public Works

Stormwater

ASR # 2021- 6388

Fund

Cost Center

Originator: Kraig Olason

Expenditure Type: One-Time

Add'l FTE

Add'l Space

Priority 1

Name of Request: *Shallow Shores Culvert Relocation Fund - Design*

Costs:	Object	Object Description	2021 Requested	2021 Approved	2022 Requested	2022 Approved
	6110	Regular Salaries & Wages	\$8,600	\$8,600	\$0	\$0
	6290	Applied Benefits	\$6,400	\$6,400	\$0	\$0
	6630	Professional Services	\$63,000	\$63,000	\$0	\$0
	6699	Other Services-Interfund	\$18,000	\$18,000	\$0	\$0
	7199	Other Miscellaneous/Inte	\$4,000	\$4,000	\$0	\$0
	8301.324	Operating Transfer In	(\$100,000)	(\$100,000)	\$0	\$0
	Totals		\$0	\$0	\$0	\$0

1. Description of Request:

a) Describe the proposed activity or service, and indicate whether it is a higher or lower priority than existing services in your department budget.

This Additional Service Request is for the design and design related expenses associated with the Shallow Shore Culvert Relocation project. The design request is for \$100,000. The total estimated project cost is \$350,000. After the design and engineering estimates are completed, an additional service request will be made in 2022 to cover the estimated construction and construction related costs.

The existing cross-culvert located at 326 Shallow Shore Drive discharges onto the western edge of the lake front parcel. During heavy storm events discharge from the cross-culvert overwhelms an existing private culvert which conveys stormwater to rhea lake This results in regular flooding and inundation throughout the rainy season.

The County currently has an undeveloped right-of-way (Bass Street) to the lake approximately 300 feet north of the existing outfall along Shallow Shore Drive, which could serve as an alternate to the existing outfall. The project will evaluate water quality alternatives that may be installed prior to discharging stormwater into Lake Samish. Design is anticipated in 2021 with construction taking place in 2022.

b) Who are the primary customers for this service?

Property owners along Shallow Shore Road, Property owners that withdraw water from the lake, and Whatcom County as the manager of the surface water along county roadways.

2. Describe the problem this request addresses and why Whatcom County needs to address it.

For a considerable amount of time, a discharge from county roadside ditches has crossed a waterfront lot to Lake Samish. There is inadequate elevation drop from the road to the lake to provide for functional underground conveyance. As a consequence, the private lot immediately downstream from the county discharge gets saturated over the wet season. In high rain events adjacent lots can also be impacted.

3. Options

a) What other options have you considered? Why is this the best option?

In an initial review, two main options have been evaluated. First would be to install a pipe from the county cross culvert into the lake. The other is to re-route the ditch flow to a new outlet which utilizes an existing undeveloped road end which would allow for the installation of a new outlet to the lake.

Option 1: installing an underground conveyance from the current county discharge point to the lake would not work due to the lack of elevation difference between the existing discharge point adjacent to Shallow Shore Road to the lake elevation.

Option 2: re-routing the ditch to a new outfall will work based on preliminary design and survey base map creation.

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b) What are the specific cost savings? (Quantify)

While no direct cost savings would be experienced by relocating the outfall, several lake front properties will be more usable.

4. Outcomes / Objectives

a) What outcomes will be delivered and when?

The reduction in flooding and inundation of several lots adjacent to the current outlet will be greatly reduced by relocating the outfall. The current anticipated schedule for this project includes project design in 2021 and construction in 2022.

b) How will you know whether the outcomes happened?

Installing the new outfall will re-route the flow that is currently causing flood related problems adjacent to the existing county outfall.

5. Other Departments/Agencies

a) Will this ASR impact other departments or agencies? If so, please identify the departments and/or agencies impacted and explain what the impact(s) will be.

This project should reduce complaints and requests for assistance from property owners impacted by the current outfall. Public Works Maintenance and Operations will be involved in any future maintenance of the proposed outfall.

b) If another department or agency is responsible for part of the implementation, name the person in charge of implementation and what they are responsible for.

Vernon Brown, PW Maintenance and Operations, responsible for any facility maintenance required.

6. What is the funding source for this request?

REET II Funding