

WHATCOM COUNTY COUNCIL AGENDA BILL

NO. 2016-326

CLEARANCES	Initial	Date	Date Received in Council Office	Agenda Date	Assigned to:
Originator:	NTK	10/28/16	<div>RECEIVED</div> <div>NOV 01 2016</div> <div>WHATCOM COUNTY COUNCIL</div>	11/09/16	Intro
Division Head:				11/22/16	Finance Committee; Council
Dept. Head:					
Prosecutor:	IX	10/28/16			
Purchasing/Budget:	BB	10/20/16			
Executive:		11/1/16			
TITLE OF DOCUMENT: Ordinance Establishing the Sudden Valley Stormwater Improvements Fund And Establishing A Project Based Budget For Sudden Valley Stormwater Improvements Project					
ATTACHMENTS: Ordinance and Exhibit A					
SEPA review required? () Yes (X) NO			Should Clerk schedule a hearing? () Yes (X) NO		
SEPA review completed? () Yes (X) NO			Requested Date:		
SUMMARY STATEMENT OR LEGAL NOTICE LANGUAGE: (If this item is an ordinance or requires a public hearing, you must provide the language for use in the required public notice. Be specific and cite RCW or WCC as appropriate. Be clear in explaining the intent of the action.) Request establishes the Sudden Valley Stormwater Improvements Fund and requests a project based budget for the Sudden Valley Stormwater Improvements project in the amount of \$780,000.					
COMMITTEE ACTION:			COUNCIL ACTION: 11/9/2016: Introduced 7-0		
Related County Contract #:		Related File Numbers:		Ordinance or Resolution Number:	

PROPOSED BY: Executive
INTRODUCTION DATE: 11/09/16

ORDINANCE NO. _____

**ORDINANCE ESTABLISHING THE SUDDEN VALLEY STORMWATER IMPROVEMENTS
FUND AND ESTABLISHING A PROJECT BASED BUDGET FOR SUDDEN VALLEY
STORMWATER IMPROVEMENTS PROJECT**

WHEREAS, this Sudden Valley Stormwater Improvements multi-year project is part of Whatcom County's Six Year Capital Improvement Program for Whatcom County Facilities, and

WHEREAS, this project includes design and construction of low impact development stormwater control facilities and stormwater treatment facilities specifically designed to remove phosphorus in urban runoff draining to Lake Whatcom, and

WHEREAS, ASR No. 2017-5666 to the 2017-2018 biennial budget includes funding from Real Estate Excise Tax Fund II for this project, and

WHEREAS, Section 6.80 of the Whatcom County Home Rule Charter allows for project-based capital budget appropriation ordinances that lapse when the project has been completed or abandoned or when no expenditure or encumbrance has been made for three (3) years,

NOW, THEREFORE, BE IT ORDAINED by the Whatcom County Council that a new fund is hereby established effective January 1, 2017 titled Sudden Valley Stormwater Improvements Fund. This fund shall be used to account for the revenues and expenditures of the project mentioned above, and

BE IT FURTHER ORDAINED by the Whatcom County Council that the Sudden Valley Stormwater Improvements Fund is approved as described in Exhibit A with a project budget of \$780,000.

ADOPTED this ____ day of _____, 2016.

ATTEST:

WHATCOM COUNTY COUNCIL
WHATCOM COUNTY, WASHINGTON

Dana Brown-Davis, Council Clerk

Barry Buchanan, Chair of the Council

APPROVED AS TO FORM:

() Approved () Denied

Daniel L. Gibson
Civil Deputy Prosecutor

Jack Louws, County Executive

Date: _____

EXHIBIT A

2017-2018 Budget Preparation - Regular Additional Service Request

Public Works

Stormwater

ASR # 2017- 5599

Fund

Cost Center

Originator: Kirk Christensen

Expenditure Type: One-Time

Add'l FTE ☐

Add'l Space ☐

Priority 1

Name of Request: Sudden Valley Stormwater Improvements

Costs:	Object	Object Description	2017 Requested	2017 Approved	2018 Requested	2018 Approved
	6110.7380	Regular Salaries & Wages	\$14,535	\$63,953	\$0	\$0
	6290	Applied Benefits	\$10,465	\$46,047	\$0	\$0
	6630	Professional Services	\$100,000	\$0	\$0	\$0
	7380	Other Improvements	\$0	\$670,000	\$0	\$0
	8301.169	Operating Transfer In	(\$25,000)	\$0	\$0	\$0
	8301.324	Operating Transfer In	(\$100,000)	(\$780,000)	\$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 is a water quality improvement project that will design and construct low impact development (LID) stormwater control facilities and stormwater treatment facilities specifically designed to remove phosphorus in urban runoff draining to Lake Whatcom. The principal method of treatment and flow control will be street-side bioretention interspersed along residential streets and between driveways. Stormwater filter vaults will also be installed along where site conditions allow. This project will also address an eroded channel, by stabilizing and restoring banks. Sediment that enters waterways carries excess phosphorus into Lake Whatcom.

b) Who are the primary customers for this service?

The primary customers of this project are the citizens of Whatcom County, residents of the City of Bellingham and anyone who benefits from recreational use of Lake Whatcom.

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

This project addresses the problem of water quality. Lake Whatcom supplies drinking water to approximately 100,000 residents in the Bellingham area. Elevated levels of phosphorus have caused Lake Whatcom to be placed on Washington State's 303(d) listing as an impaired waterbody. This project will treat and infiltrate stormwater runoff to reduce phosphorus loading to Lake Whatcom.

3. Options

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

As part of the engineering analysis several approved treatment methods for phosphorus will be considered. These include infiltration, large sand filters, Filterra systems, FloGard perk filters, and media filter drains. Given the site constraints and the goal to provide the highest levels of phosphorus treatment, retrofitting the road side ditches and installing Stormwater vaults at strategic locations may be options for this project. The channel restoration will provide stabilization of eroding channels and prevent sediment transport into Lake Whatcom.

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

The failure to reduce phosphorus loading to Lake Whatcom can result in costly removal /treatment of excessive algae blooms, increased costs for maintaining drinking water filters, reduced use of Lake Whatcom as a fishing and recreational facility, and the overall deterioration of the biological function of the watershed. This project will contribute to the overall goal of water quality and assist with meeting the TMDL requirements of retrofitting development to mimic the phosphorus loading of a forested watershed.

4. Outcomes / Objectives

a) What outcomes will be delivered and when?

The construction of the bioretention facilities, the installation of the Stormwater filter vaults and the channel stabilization work will be completed by the end of the 2019 Lake Whatcom work window.

2017-2018 Budget Preparation - Regular Additional Service Request

Public Works

Stormwater

ASR # 2017- 5599

Fund

Cost Center

Originator: Kirk Christensen

b) How will you know whether the outcomes happened?

The construction and installation of the stormwater facilities will indicate that the project outcomes have been met. In addition, the Monitoring will assist the Stormwater division in quantifying in-field phosphorus reduction and provide information for the continuing improvement of water quality design work in the Lake Whatcom watershed.

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 installs stormwater facilities that will require future maintenance. Maintenance staff will be responsible for replacing filter cartridges and regular inspections of the bioretention facilities.

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.

6. What is the funding source for this request?

This project will be funded from REET II