



KING COUNTY

1200 King County Courthouse
516 Third Avenue
Seattle, WA 98104

Signature Report

August 22, 2017

FCD Resolution

Proposed No. FCD2017-05.1

Sponsors

1 A RESOLUTION relating to the operations and finances of
2 the King County Flood Control Zone District; authorizing
3 the expenditure of District funds for projects and activities
4 in accordance with the Flood Reduction Grants.

5 WHEREAS, the King County Flood Control Zone District ("District") adopts an
6 annual work program, budget, operating budget for King County, capital budget and six-
7 year capital improvement program pursuant to chapter 86.15 RCW; and

8 WHEREAS, in 2014, the District created the Flood Reduction Grant fund to
9 provide grant funding for projects with flood reduction benefits, including, but not
10 limited to, surface water overflows, near shore flooding, lake flooding due to outflow
11 blockage, or the clearance of clogged agricultural drainage systems, and

12 WHEREAS, the District desires to continue funding projects in the Flood
13 Reduction Grant fund; and

14 WHEREAS, in establishing the District's 2017 budget, the District provided
15 \$3,391,700 in funding in the Flood Reduction Grant Fund; and

16 WHEREAS, a selection committee composed of the director of the water and land
17 resources division of the King County department of natural resources and parks, the
18 District's executive director and a former Newcastle councilmember reviewed the 2017
19 applications for grant funds and made a recommendation regarding them to the District;

20 WHEREAS, the District's executive committee reviewed the selection
21 committee's recommendations;

22 WHEREAS, based on the recommendation of the selection committee, as
23 considered and modified by the District's executive committee, the board of supervisors
24 desires to approve 2017 grant fund applications and projects; now, therefore

25 BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF THE KING
26 COUNTY FLOOD CONTROL ZONE DISTRICT:


27

28 SECTION 1. The board of supervisors approves the 2017 King County
29 Flood Reduction Fund Grant Projects described on Attachment A to this
30 resolution.
31

FCD Resolution was introduced on and passed by the King County Flood Control District on 8/21/2017, by the following vote:

Yes: 7 - Mr. von Reichbauer, Mr. Gossett, Ms. Lambert, Mr. McDermott, Mr. Dembowski, Mr. Upthegrove and Ms. Kohl-Welles
No: 0
Excused: 2 - Mr. Dunn and Ms. Balducci

KING COUNTY FLOOD CONTROL DISTRICT
KING COUNTY, WASHINGTON



Reagan Dunn, Chair
Dave Upthegrove, Vice chair

ATTEST:



for

Melani Pedroza, Clerk of the District

Attachments: A. 2017 Flood Reduction Grant Recommendations



ATTACHMENT A: 2017 FLOOD REDUCTION GRANT RECOMMENDATIONS - JULY 13, 2017

APPLICANT	PROJECT NAME	DESCRIPTION	REQUESTED AMOUNT	RECOMMENDED AWARD AMOUNT	KC COUNCIL DISTRICT
Auburn, City of	<i>37th St NW Flooding Elimination</i>	The project will increase capacity of a drainage channel culvert located at the Puget Sound Energy Christopher Substation access driveway by replacing a 12-inch culvert with a large box culvert. The project will eliminate a long-term flooding problem on 37 th St NW and the Inter-Urban Trail, as well as on the PSE property and driveway. This will end years of road closures during flooding events, and ensure safe consistent access to local businesses, through-traffic, the non-motorized trail, and the electrical substation.	\$210,000	\$210,000	7
Delridge Neighborhoods Development Association	<i>Wetlands Restoration and Stewardship</i>	The project will address stormwater road flooding and contamination of the Delridge Wetland by improving culverts and roadside ditches and treating stormwater flows prior to entering the wetland. The treatment will be achieved by installing a biofiltration swale and working with the City of Seattle to maintain roadside ditches.	\$60,000	\$60,000	8
Federal Way, City of	<i>Lakota Park Stormwater Facility Repair</i>	The project will rebuild and restore portions of the berm that forms a boundary between Lakota Park and Lakota Wetlands as well as repair approximately 470 linear feet of an 18-inch pipe downstream of the control structure that regulates flow from the wetlands area.	\$250,000	\$250,000	7
Issaquah, City of	<i>East Lake Sammamish Parkway - 56th St. Conveyance Improvements Design</i>	The existing stormwater conveyance in the vicinity of the intersection of East Lake Sammamish Parkway and 56th Street is underperforming and prone to street flooding during both high-intensity and long-duration storm events. This system is also difficult to maintain. This project will evaluate the existing conditions, identify alternatives and options for improvement, and complete preliminary design of the City-preferred alternative.	\$200,000	\$70,000*	3
King Conservation District	<i>KCD Agricultural Drainage Project Phase 3</i>	This project builds on three years of KC FCD grants to develop and implement an expanded set of services to facilitate increased farmer participation in King County's Agricultural Drainage Assistance Program (ADAP). Key elements of our program to date have included farmer outreach to over 160 farmers (including targeted outreach to non-English speaking farmers), cost share assistance to 75% totaling \$145,000 to farmers for dredging costs, and project monitoring. We propose an extension of funding for KCD's partnering role with King County to continue and increase support for ADAP projects and establish a long-term approach to funding KCD's support for farmer participation in agricultural drainage projects.	\$215,298	\$215,298	3, 7, 9

* Scoring Team recommends a phased approach for this project.

^ Project will be funded by Flood Control District's capital budget.

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APPLICANT	PROJECT NAME	DESCRIPTION	REQUESTED AMOUNT	RECOMMENDED AWARD AMOUNT	KC COUNCIL DISTRICT
King County Water & Land Resources	Alluvial Fan Demonstration Projects - Duvall	This project will provide design and permitting of a sediment management facility on a developed alluvial fan. A demonstration project ordinance has been adopted by the King County Council for the project and approved by the WA State Dept. of Ecology. A property has been identified to construct a fish passable sediment pond. This work will also include assessment of lessons learned from a similar demonstration project previously funded by a 2014 Flood Reduction Grant.	\$204,000	\$20,000*	3
Lake Forest Park	Lyon Creek Flood Reduction - Phase II SR 104	In 1997, a private culvert beneath a gas station collapsed during a flood, with the debris and sediment falling into Lyon Creek. The collapsed culvert remains in the stream channel and is surrounded by undersized public culverts in the immediate area that create a flood hazard that threatens a state highway, local businesses and residences. The project is to develop engineering plans and obtain permits necessary to remove the collapsed culvert and debris, replace three undersized culverts (SR 104, NE 185 th St., 35 th Ave NE) in the immediate area, and restore 700 feet of stream channel.	\$400,000	\$400,000	1
Newport Villa Townhomes Owners Assoc.	Flooding Remediation Project Final Design	Final engineering design of preferred alternative, permit submittal and construction estimates.	\$155,000	\$155,000	9
North Bend, City of	State Route 202 Culvert Replacement	This project will replace the two existing culverts at SR202 with a 9.5' x 4' box culvert. The replacement of the existing culverts is needed because they do not have flow capacity to pass the 25-year stormwater event.	\$400,000	\$0 ^	3
Pacific	Butte Avenue Flood Mitigation - Pump Station	This project will reduce flood risks to residences and businesses in the Cities of Pacific and Algona by addressing backwatering and drainage problems in Government Canal from high river flows. The project will design and permit a stormwater pump station which will significantly reduce flood risks to approximately five hundred homes and businesses. The completed project will also reduce long-term road closures that have occurred in the past due to flooding.	\$470,000	\$0 ^	7
Redmond, City of	Overlake Village Station Infiltration Vault	Bellevue's Valley Creek has been subject to chronic flooding that has impacted arterials. The 4.4 acre-foot Overlake Station Infiltration Vault is a high priority project in Redmond's plan to fully retrofit the Overlake urban center with flow control that will reduce or eliminate flooding downstream. The grant will pay for a portion of the construction.	\$400,000	\$400,000	6

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Renton, City of	<i>Madsen Creek Improvement Project Phase 1</i>	The goal of this project is to reduce flooding from Madsen Creek to residential property along 149th Ave SE, and to the Wonderland Estates Manufactured Home Park property on the south side of SR-169. The project will be performed in phases starting with hydrologic and hydraulic studies of the Madsen Creek drainage basin and preliminary design of flood reduction improvements.	\$472,000	\$472,000	9
River Park Townhomes HOA	<i>Improvement of Bioswale System and Slope Stabilization</i>	Correct damage caused by an inadequate stormwater/bioswale system which caused localized flooding and slope instability. Re-establish original hill slope and slope stability through construction of low retaining wall.	\$18,000	\$18,000	1
Seattle, City of	<i>Puget Way Culvert Replacement Phase 1</i>	Replace an aging and undersized creek culvert under Puget Way SW. The project is expected to reduce flooding of roadways and private property. The grant will cover design through final plans, permitting and bid advertisement.	\$280,000	\$280,000	8
Shoreline, City of	<i>Hidden Lake Dam Removal</i>	This project will provide 60% and final design and permitting to remove Hidden Lake dam and spillway, restore this section of Boeing Creek and replace culverts under NW Innis Arden Way. The eventual construction of this work (not covered under this grant) would safely convey creek flood flows and manage sediment through a steep urban watershed. If no action is taken prior to sediment infilling the lake (expected by 2020-2025), risk of catastrophic flooding will increase, threatening public safety, critical public infrastructure, and private residences.	\$300,000	\$300,000	1
Skykomish, Town of	<i>Old Cascade Highway Drainage Improvements</i>	The proposed 24-inch stormwater pipe and outfall structure will be installed in primarily unused Town of Skykomish ROW to alleviate flooding of the highway, homes and businesses. Approximately 350 feet of the pipeline will cross property owned and managed by the US Forest Service in unincorporated King County, south of the town limits.	\$147,070	\$147,070	3
Snoqualmie, City of	<i>Phase 1 Northern Street Culvert Replacement Design</i>	This project will provide site assessment and pre-design to replace an undersized and failed culvert and raise a roadway section to remove a 6-foot dip in the roadway. Project design will help alleviate roadway section flooding as this is one of the first city roadways to become impassable during frequent flood events.	\$150,000	\$25,000*	3

* Scoring Team recommends a phased approach for this project.

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APPLICANT	PROJECT NAME	DESCRIPTION	REQUESTED AMOUNT	RECOMMENDED AWARD AMOUNT	KC COUNCIL DISTRICT
Snoqualmie Valley Watershed Improvement District	<i>SVWID Drainage Water Management</i>	The goal of SVWID's Drainage Water Management (DWM) project is to improve agricultural drainage and downstream water quality by replacing or retrofitting a minimum of 80-acres of previously free draining, subsurface tile systems with water control structures. DWM uses water control structures to impact the height of the water table and regulate the amount of drainage water leaving a field. The benefits of DWM projects to the SVWID and the greater community include increasing the economic resiliency of agriculture in the Snoqualmie Valley and reducing water quality impacts from upslope stormwater and agricultural drainage flowing through free draining subsurface tile systems.	\$196,120	\$196,120	3
Tukwila, City of	<i>S. 180th St. Bridge Flood Wall Extension</i>	The project will increase the height of a flood wall to provide approximately 30" of additional flood protection.	\$65,378	\$0 ^	5
Wild Fish Conservancy	<i>300th Street Culvert Replacement Phase III</i>	Wild Fish Conservancy is requesting funding to develop final designs and obtain permits for replacement of two culverts crossing 300 th Ave NE.	\$104,600	\$104,600	3
			TOTAL	\$4,697,466	\$3,323,088
			Available Funds for 2017:	\$3,391,700	
			Surplus:	\$68,612	

* Scoring Team recommends a phased approach for this project.

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