



KING COUNTY
Signature Report

1200 King County Courthouse
516 Third Avenue
Seattle, WA 98104

September 1, 2015

FCD Resolution

Proposed No. FCD2015-10.2

Sponsors

1 A RESOLUTION relating to the King County Flood Control Zone District 2015
2 capital budget; approving grant fund projects; and authorizing expenditure of
3 District funds for the approved projects from the appropriation of grant funds in
4 Attachment D of Resolution FCD 2015-07.

5 WHEREAS, in Attachments C and D of Resolution No. FCD 2015-07 the King
6 County Flood Control Zone District ("District") board of supervisors appropriated
7 \$2,883,634 under the category of "Grant Fund"; and

8 WHEREAS, a selection committee composed of the director of the water and land
9 resources division of the King County department of natural resources and parks, the
10 District's executive director and a former King County councilmember reviewed the 2015
11 applications for grant funds and made a recommendation regarding them to the District;

12 WHEREAS, the District's executive committee reviewed the selection
13 committee's recommendations;

14 WHEREAS, based on the recommendation of the selection committee, as
15 considered and modified by the District's executive committee, the board of supervisors
16 desires to approve 2015 grant fund applications and projects; now, therefore

17 BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF THE KING
18 COUNTY FLOOD CONTROL ZONE DISTRICT:

19 SECTION 1. The board of supervisors approves the 2015 King County Flood
20 Reduction Fund Grant Projects described on Attachment A to this resolution.

21 SECTION 2. The contract with the King Conservation District shall include a
22 payment schedule that funds the proposed scope in two phases:

23 A. Phase 1 will fund completion of the drainage needs assessment. Funding for
24 the subsequent phase two tasks will be contingent on delivery and acceptance of the
25 drainage needs assessment, which shall be submitted by paper and electronic copy with
26 the clerk for distribution to the Flood District executive committee and executive
27 director.

28

29 B. Once the needs assessment is reviewed and accepted by motion of the
30 executive committee phase two tasks will be eligible for reimbursement, including beaver
31 control best practices, funding of King County's agricultural drainage program projects,
32 and establishment of a long-term funding approach for funding landowner participation
33 in agricultural drainage projects by the King Conservation District.
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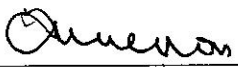
FCD Resolution was introduced on and passed as amended by the King County Flood Control District on 8/31/2015, by the following vote:

Yes: 8 - Mr. Phillips, Mr. von Reichbauer, Mr. Gossett, Ms. Hague,
Ms. Lambert, Mr. McDermott, Mr. Dembowski and Mr. Upthegrove
No: 0
Excused: 1 - Mr. Dunn

KING COUNTY FLOOD CONTROL DISTRICT
KING COUNTY, WASHINGTON


Reagan Dunn, Chair

ATTEST:


Anne Noris, Clerk of the District

Attachments: A. 2015 King County Flood Reduction Fund Grant Projects

Attachment A: Flood Reduction Grants 2015

APPLICANT	PROJECT	PROJECT DESCRIPTION	AWARD
Bellevue	<i>Upper Kelsey Creek Stream Channel Improvement</i>	The effectiveness of the drainage improvements in the Upper Kelsey Creek basin has deteriorated since they were built in 1992. As a result, adjacent residential and agricultural land-owners are plagued by flooding. The replacement of culverts by bridges in three locations will alleviate these flooding issues and improve fish habitat.	\$94,540
Current Condominium Owners Association	<i>Drainage Remediation Project</i>	The project objective is to eliminate structural flooding by connecting a stormwater outfall pipe to a nearby stormwater piped system.	\$40,000
Kirkland	<i>Totem Lake Boulevard Flood Reduction</i>	Re-route storm drainage pipes from the Cross Kirkland Corridor into Totem Lake to reduce flooding of Totem Lake Boulevard that currently results from overflow of and adjacent wetland area.	\$337,000
Redmond	<i>NE 50th Way Flood Reduction</i>	NE 50th Way and West Lake Sammamish Parkway are subject to frequent flooding due to a poorly designed stormwater conveyance system that sends flows into a steam channel that ultimately discharges back into the conveyance system. This project will separate the stormwater flows and pipe them directly to the downstream piped conveyance system while maintaining base flows in the stream, thereby eliminating stream flooding, without causing new flooding downstream.	\$340,500
Stewardship Partners	<i>Snoqualmie Valley Rain Garden Initiative: Phase II, Carnation Elementary School</i>	This project will expand efforts to reduce flooding in the Snoqualmie Valley by significantly reducing stormwater flows coming from the impervious surfaces in developed areas in the Valley. We will collaborate with Carnation Elementary School, Nature Vision, and the City of Carnation to install one demonstration rain garden at Carnation Elementary School.	\$16,800
Black Diamond	<i>Lake Sawyer Road Culvert Replacement</i>	Design, permit, bid and construct the replacement of three 5 foot diameter corrugated metal culverts 70 feet long under 224th Ave SE at Covington Creek in Black Diamond. Although the engineering and permitting will determine what would be most appropriate to replace the corrugated metal culverts, the budget was estimated considering a 20 to 24 foot span open bottom concrete box culvert 72 feet long.	\$145,000

APPLICANT	PROJECT	PROJECT DESCRIPTION	AWARD
Bothell	<i>Parr Creek Flood Control</i>	Parr Creek flows through a wetland area that is choked with sediment, resulting in frequent overbank flow that floods the 120th Ave NE roadway north of NE 195th St. Project would install a sedimentation vault upstream of the wetland channel and excavate and realign the channel away from the roadway. These improvements would eliminate chronic flooding of the roadway and adjacent sidewalk amid busy commercial land uses, allow the City to cost-effectively manage sediment accumulations that adversely affect in-stream habitat and flood flow conveyance, and enhance stream and wetland habitat for fish and wildlife.	\$98,000
Fairwood Home Owners Association	<i>Molasses Creek Pipe Repair at Fairwood West Home Owners Association Park</i>	Repair deteriorated pipe segment conveying Molasses Creek under HOA Park by replacing the pipe with a fish passable culvert. Total pipe failure may cause flooding upstream and sedimentation downstream.	\$400,000
Renton	<i>N. 30th St and Burnett Ave Storm System Improvements</i>	Replace an existing 12-inch storm line that was constructed from N 30th St to N 31st St on private property that has resulted in flooding due to lack of capacity and maintenance because of inadequate access. A new 12-inch storm line will be installed in City ROW at N 30th Street and Burnett Ave N. The project will allow better access for maintenance of the storm system and prevent flooding.	\$185,000
King County Parks	<i>Derby Creek Flood Reduction and Habitat Enhancement</i>	This project will alleviate seasonal flooding in the Northshore Athletic Fields by reconstruction of approximately 800 feet of sediment-laden stream channel and replacement of a failing, undersized fish barrier culvert under the Sammamish River Trail and another in the athletic fields. Similar stream channel reconstruction has already occurred in Derby Creek upstream. This project would complete the downstream portion of Derby Creek connecting it all the way to the Sammamish River, allowing high flows and the associated sediment load to pass through the system.	\$150,000

APPLICANT	PROJECT	PROJECT DESCRIPTION	AWARD
King County Road Services	<i>NE 165th St Flood Risk Reduction</i>	Road Services will reduce the frequency and duration of road closures due to flooding on NE 165th Street (between 183rd Place NE and 179th Place NE) by raising the elevation of the road prism about 12 to 18 inches. This project will: minimize the potential for a long-term road closure resulting from a washout, reduce the amount of resources needed to routinely respond to flooding events and repairs, and maintain safe passage for the traveling public and the transport of goods and services.	\$110,000
King County Road Services	<i>185th Avenue NE Flood Risk Reduction</i>	Road Services will reduce the frequency and duration of road closures due to flooding on 185th Ave NE (between NE 179th Street and NE Woodinville Duvall Road) by raising the elevation of the road prism about 12 to 18 inches. This project will: minimize the potential for a long-term road closure resulting from a washout, reduce the amount of resources needed to routinely respond to flooding events and repairs, and maintain safe passage for the traveling public and the transport of goods and services.	\$65,000
King County Road Services	<i>212th Ave SE Flood Risk Reduction</i>	Road Services will reduce the frequency and duration of road closures due to flooding on 212th Ave SE (between SE 384th Street and SE 388th Street) by installing an underground overflow conveyance system that will collect excess stormwater and discharge it to an appropriate downstream location. This project will: minimize the potential for a long-term road closure resulting from a washout, reduce the amount of resources needed to routinely respond to flooding events and repairs, and maintain safe passage for the traveling public and the transport of goods and services.	\$176,064
Sammamish	<i>Inglewood Hill Trunk Line & Non-motorized Improvement</i>	The project will upgrade existing and install new stormwater facilities to address existing flooding and drainage problems, support future development and reduce the risk of landslides and erosion. Approximately 6,100 lf of storm drain pipe, enhanced water quality treatment of over seven acres of pollution generating surfaces, non-motorized improvements, and replacement of an existing stormwater outfall will be constructed. Implementation of this project will significantly reduce the sediment and nutrient load to Lake Sammamish, which is designated a Water of Statewide Significance.	\$250,000

APPLICANT	PROJECT	PROJECT DESCRIPTION	AWARD
Snoqualmie Valley Preservation Alliance	<i>Snoqualmie Valley Agricultural Drainage Improvements</i>	Begin establishing a system-wide approach to agricultural drainage across property lines in the Snoqualmie Valley Agricultural Production District (APD) by implementing a two-part early action controlled drainage program: 1) replace failing existing legacy "free drainage" field tiles, including installation of control devices to improve water quality and water supply for all users (ecology and agriculture), and 2) implement controlled beaver and beaver dam management plan across multiple adjacent parcels.	\$100,000
Lake Forest Park	<i>Lyon Creek Flood Reduction</i>	Replace four 6' wide culverts on public and private property with 20' wide culverts and enhance channel capacity on Lyon Creek. The result will be protection of over 20 homes, a fire station, the Town Center business complex and SR 522 from future flooding. The project will also remove numerous barriers to fish migration and enhance 1500' of stream channel.	\$125,000
King Conservation District	<i>KCD Agricultural Drainage Project - Phase 2</i>	In 2015 the King County FCD awarded a grant to the KCD to develop and implement a program to increase landowner participation in King County's Agricultural Drainage Program (ADAP). Key elements of our first-year program have included landowner outreach, initiation of a county-wide drainage needs assessment, provision of matching grants to assist landowners with construction costs, and project monitoring. Given the significant landowner response to our outreach efforts and preliminary documentation of drainage problems (including concern about beaver dams), we propose an 18-month extension of funding to increase support for ADAP projects, complete the drainage needs assessment, develop beaver control Best Management Practices, and establish a long-term approach to funding KCD's support for landowner participation in agricultural drainage projects.	\$140,000
Woodinville	<i>160th Ave NE Culvert Replacement</i>	The project replaces an undersized 18" culvert with a 30" culvert, replaces damaged undersized piping, and replaces a Type 2 catch-basin. This work will prevent roadway and property flooding during times of high stormwater flows.	\$110,000
			\$2,882,904