



KING COUNTY

1200 King County Courthouse
516 Third Avenue
Seattle, WA 98104

Signature Report

October 11, 2016

FCD Resolution

Proposed No. FCD2016-17.2

Sponsors

1 A RESOLUTION relating to the King County Flood Control Zone District 2016
2 capital budget; approving grant fund projects; and authorizing expenditure of District
3 funds for the approved projects from the appropriation of grant funds in Attachments C
4 and D of Resolution FCD 2015-11 and Resolution FCD 2016-10.

5 WHEREAS, in Attachments C and D of Resolution No. FCD 2015-11, the
6 District 2016 budget, and Resolution FCD 2016-10, the District reallocated 2016 budget,
7 the King County Flood Control Zone District ("District") board of supervisors
8 appropriated \$2,991,819 under the category of "Grant Fund", and

9 WHEREAS, a selection committee composed of the director of the water and land
10 resources division of the King County department of natural resources and parks, the
11 District's executive director and an at-large community member reviewed the 2016
12 applications for grant funds and made a recommendation regarding them to the District;

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

15 WHEREAS, based on the recommendation of the selection committee, as
16 considered by the District's executive committee, the board of supervisors desires to
17 approve 2016 grant fund applications and projects; now, therefore

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

20 SECTION 1. The board of supervisors approves the 2016 King County flood
21 reduction fund grant projects described in Attachment A dated 10-3-16 to this resolution.
22

FCD Resolution was introduced on and passed as amended by the King County Flood Control District on 10/3/2016, by the following vote:

Yes: 8 - Mr. von Reichbauer, Mr. Gossett, Ms. Lambert, Mr.
McDermott, Mr. Dembowski, Mr. Upthegrove, Ms. Kohl-Welles and
Ms. Balducci

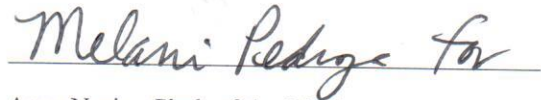
No: 0

Recused: 1 - Mr. Dunn

KING COUNTY FLOOD CONTROL DISTRICT
KING COUNTY, WASHINGTON


Reagan Dunn, Chair

ATTEST:


Anne Noris, Clerk of the District

Attachments: A. 2016 King County Flood Reduction Fund Grant Projects dated 10-3-16

ATTACHMENT A: 2016 FLOOD REDUCTION GRANT RECOMMENDATIONS - OCTOBER 3, 2016

APPLICANT	PROJECT	PROJECT DESCRIPTION	REQUEST	AWARD
Covington	SE 256th St. Little Soos Creek Culvert Replacement	The SE 265th St. Little Soos Creek Culvert consists of twin 90' long 36" concrete pipes. Over half of the pipe segments are in critical condition and the culvert no longer has structural integrity. This project would design a fish passable replacement for the culvert that would also alleviate localized upstream flooding issues.	\$200,000	\$200,000
Drainage Improvement District #7	Pre-construction Feasibility for Dike Rebuilding in Cherry Valley	Perform survey, geotechnical investigation, preliminary design, and cost estimate to complete pre-construction feasibility for improving the flood control dike along the left bank of Cherry Creek within the Snoqualmie River floodplain.	\$109,000	\$109,000
Federal Way	Marine Hills Stormwater Conveyance System Repair	This project will repair deteriorated stormwater pipes and structures in the Marine Hills subdivision using a cured in place pipe (CIPP) repair system. As a large percentage of deteriorated pipes have retained their original circumference with aligned contiguous joints, a non-invasive method of repair will provide needed structural repairs without reducing current capacity while avoiding costly open trench repairs.	\$400,000	\$400,000
King Conservation District	KCD Agricultural Drainage Project - Phase 3	This project builds on past efforts to develop and implement an expanded set of services to facilitate increased landowner participation in King County's Agricultural Drainage Assistance Program (ADAP). Key elements of our program to date have included landowner outreach, cost share assistance to landowners for dredging, and project monitoring. Given the significant landowner response to our outreach efforts and preliminary documentation of drainage problems, we propose a 12-month extension of funding to continue partnering with King County to support ADAP projects and establish a long-term approach to funding KCD's support for landowner participation in agricultural drainage projects.	\$214,313	\$214,313
King County Road Services	185th Avenue NE Flood Risk Reduction	This project 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 18 to 24 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.	\$339,115	\$339,115

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APPLICANT	PROJECT	PROJECT DESCRIPTION	REQUEST	AWARD
Lake Forest Park	Lyon Creek Arterial Culvert Replacement - NE 178th St	Replace one 6' x 4.5' wide by 65' long corrugated metal pipe culvert on Lyon Creek that is collapsing and corroded, thus threatening the heavily used arterial NE 178 th Street. A 19'-20' wide concrete box culvert will be designed and constructed to replace the failing culvert. This will ensure NE 178 th St. doesn't collapse into Lyon Creek causing regional flooding.	\$400,000	\$120,000
Maple Valley	Witte Road - Phase 4	Construct a new replacement culvert under SE 256th Street to alleviate a known flooding problem and to also eliminate a fish passage barrier.	\$295,000	\$295,000
Mid Sound Fisheries Enhancement Group	Longfellow Creek Community Flood Control	Complete the designs and obtain permits for this important flood control project in the Delridge community of West Seattle; and complete initial engineering and report for the potential future projects on Seattle parklands. This phase of the project will design and obtain permits for a larger stream channel, larger and shorter culverts, floodplain benches, and habitat improvements along Longfellow Creek, with a goal of decreased flooding and a safer living environment for the community.	\$196,450	\$137,500
Newcastle	Lake Boren Flooding Mitigation	This work is a continuation of the project that received grant funding in 2014. The recently completed property acquisition provides an opportunity for necessary removal and restoration work. Removal of an unpermitted bridge across Boren Creek (the sole outlet to Lake Boren) will dramatically lessen the occurrence of flooding in Lake Boren.	\$190,000	\$90,000
Newport Villa Townhomes HOA, 12510 SE 42nd St., Bellevue, WA 98006	Flooding Remediation at Newport Villa	Design, permitting and coordination of flood remediation project to eliminate and/or reduce risk of structural flooding in the Newport Villa community and remove creosote railroad ties that no longer provide a safe and sound structure for holding back stormwater from properties.	\$45,200	\$45,200

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APPLICANT	PROJECT	PROJECT DESCRIPTION	REQUEST	AWARD
Sammamish	Zackuse Creek Flood Reduction & Fish Passage	The project includes 1) replacement of an aging, concrete culvert on East Lake Sammamish Parkway and 2) realignment and restoration of approximately 200 feet of Zackuse Creek upstream of the new culvert. The existing stream channel upstream of the culvert intersects the Parkway at a 90 degree angle which has caused severe erosion of the shoulder and has compromised the stability of the road and shoulder. The Parkway is a minor arterial and carries over 11,000 Average Daily Traffic at that location.	\$500,000	\$175,000
Sammamish River Crossing HOA, 10631 NE 173rd Place, Bothell, WA 98011	Spring Hill Surface Water System Connection	Above-hill development occurring over the last few decades has generated significant new water flow in an existing natural spring channel due to surface water from public streets and impervious surfaces. It is greatly increasing erosion as the increased water flow flushes silt downstream (posing a hazard to the Sammamish Slough habitat) and triggers periodic flooding and landslides. The flooding and landslides have caused significant property damage, both public and private and pose future risk to life and property.	\$213,560	\$213,560
SeaTac	South 168th Stormwater System Improvements	Currently, the existing stormwater flowing west to east from portions of Military Road and S. 168th St. comes to a low spot near 4405 S. 168th and overtops the existing ditch flooding local properties during heavy rain events. The project will lower downstream conveyance ditches and the pipe immediately east of the existing flooding area allowing flows to continue down gradient to the east. The project includes both design and construction of the project.	\$90,060	\$90,060
Shoreline	25th Avenue NE Flood Reduction	Since 2001, Ballinger Creek has flooded public and private properties in this area on at least 15 separate occasions. This project will design stream improvements to reduce Ballinger Creek flooding.	\$673,690	\$472,000
Skykomish	Flood Reduction in Skykomish	The West River Drive area of Skykomish experiences a high frequency of flooding. This portion of the Town is adjacent to the South Fork of the Skykomish River and contains several of the Town's stormwater outfalls. When the river level rises, the outfalls become submerged and water from the South Fork backflows into the Town.	\$139,700	\$139,700

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APPLICANT	PROJECT	PROJECT DESCRIPTION	REQUEST	AWARD
Snoqualmie Valley Watershed Improvement District	Comprehensive Analysis & Pre-construction Plan for Ag Drainage Recovery in the Snoqualmie Valley	Develop a comprehensive drainage network assessment and management plan throughout the boundaries of the SVWID. This detailed assessment will form the basis for the pre-engineering construction plan. This will increase the performance of the King County, KCD and FCD investments in the ADAP program. This plan will improve the current complaint-based, piecemeal drainage improvement projects to a more cost-effective hydrologically-based network approach.	\$158,110	\$158,110
Wild Fish Conservancy	300th Street Culvert Replacement	Design, permit, and construct the replacement of seven culverts at two sites on the Vanhulle property with precast concrete box structures. We are also requesting funds to model floodplain hydrology and produce preliminary designs for replacement of five culverts - three culverts (two sites) crossing 300th Ave NE with shared ownership between the Curtis and Vanhulle families and two additional undersized culverts on the Curtis property located downstream of the Vanhulle property.	\$421,926	\$126,500
TOTAL			\$4,586,124	\$3,325,058

Available: \$3,326,240