

DRAFT - Under Development

King County Flood District: Preliminary Draft 2015 CIP New Appropriation Request*

July 14, 2014

New in 2015
Grant/External Funding
Cost Share

Title	2014 Revised ITD Budget*	2015 Request	2016 Projected	2017 Projected	2018 Projected	2019 Projected	2020 Projected	Project Life Total	6-Year CIP Total	Comments
WLFL0 MILLER R RD PROTECTION	\$120,688	\$3,967	\$0	\$0	\$0	\$0	\$0	\$124,655	\$3,967	Complete project proposing alternatives in the Lower Miller River that will reduce flood and erosion hazards.
WLFL0 SKYKOMISH HOME BUYOUTS	\$380	\$0	\$0	\$0	\$0	\$0	\$400,000	\$400,380	\$400,000	Purchase of floodprone homes within Skykomish.
WLFL0 SF SKYKMSH REP LOSS MIT	\$287,636	\$0	\$0	\$0	\$0	\$40,000	\$240,014	\$567,650	\$280,014	This project will elevate or buyout individual structures in the South Fork Skykomish Basin to eliminate the risk of flooding or erosion damage during future flood events.
WLFL0 TIMBER LN EROSN BUYOUTS	\$1,538,482	\$232,468	\$583,495	\$601,000	\$619,030	\$0	\$0	\$3,574,475	\$2,035,993	This project will acquire and remove homes along a stretch of the Skykomish River that are endangered by erosive forces as well as inundation in some places.
WLFL1 MF SNO CORRIDOR PLAN	\$1,459,046	\$271,559	\$0	\$0	\$0	\$0	\$0	\$1,730,605	\$271,559	Middle Fork Snoqualmie Corridor Planning, scheduled for completion in 2015.
WLFL1 N BEND RESID FLD MITGTN	\$1,725,142	(\$169,666)	\$0	\$0	\$0	\$0	\$0	\$1,555,476	(\$169,666)	This grant-funded project will relocate or elevate individual structures to eliminate the associated risk of flood damage. Future mitigation work in the Upper Snoqualmie will be implemented under Upper Snoqualmie Residential Flood Mitigation project.
WLFL1 SF SNO CORRIDOR PLAN	\$3,579,529	(\$1,444,388)	\$0	\$0	\$0	\$0	\$0	\$2,135,141	(\$1,444,388)	SF Snoqualmie Corridor plan. Reallocate 2015 funding to corridor plan implementation project placeholders.
WLFL1 SF SNO CORR EARLY ACTION	\$500,000	\$4,274,020	\$3,569,918	\$11,134,807	\$0	\$0	\$0	\$19,478,745	\$18,978,745	"Early Action" project identified by Board to alleviate potential flooding of I-90 in North Bend.
WLFL1 SF SNO CORRIDOR IMP	\$2,000,000	(\$1,919,000)	\$0	\$0	\$0	\$0	\$0	\$81,000	(\$1,919,000)	Expenditures shifted to corridor plan implementation placeholder projects.
WLFL1 SR202 SF BRIDGE LENGTHEN	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$100,000	Placeholder funding to partner with WSDOT to expand bridge SR202 opening over South Fork Snoqualmie and Ribary Creek to improve conveyance and reduce upstream flood impacts. Supported by North Bend. Requires state or federal funding. Relative contribution of this project is being evaluated in the SF Snoqualmie Corridor Plan.
WLFL1 UPR SNO RES FLD MITGTN	\$9,263,948	\$3,127,492	\$1,230,737	\$2,048,863	\$2,110,329	\$2,173,639	\$2,238,848	\$22,193,856	\$12,929,908	This project will acquire flood-prone properties and elevate individual structures in the Upper Snoqualmie basin to reduce the risk of flood, erosion, and channel migration damage. Partnership with Cities of Snoqualmie and North Bend.
WLFL2 L SNO/ALDAIR CORRDROR PLN	\$4,327,218	(\$426,675)	\$700,000	\$700,000	\$700,000	\$700,000	\$700,000	\$7,400,543	\$3,073,325	Cost-shared contribution to multiple levee setbacks in the Fall City reach of the Lower Snoqualmie. Projects reduce erosion risk to revetments and roads. FCD expenditure leverages habitat restoration funding from other sources.
WLFL2 DUTCHMAN RD REPAIR	\$0	\$0	\$0	\$222,698	\$376,764	\$0	\$0	\$599,462	\$599,462	Repair approximately 200 feet of revetment. Dutchman Road in this location provides the sole access to residences and business on the west side of the Snoqualmie Valley downstream of Duvall. Continued erosion of the revetment could result in erosion of the road (West Snoqualmie Valley Road NE) which would severely limit access to the downstream property owners during or following a flood event.
WLFL2 FARM FLOOD TSK FORCE IMP	\$486,958	\$118,765	\$115,214	\$118,670	\$122,230	\$125,897	\$0	\$1,087,734	\$600,776	This project provides technical and cost-sharing assistance to residential and agricultural landowners in the Lower Snoqualmie floodplain to help them better withstand the impacts of flooding. Specific project actions include farm pads, elevations of homes, and elevation or flood proofing of agricultural structures.
WLFL2 L SNO REP LOSS MITGTON	\$1,712,699	\$0	\$0	\$0	\$200,000	\$200,000	\$200,000	\$2,312,699	\$600,000	Funding in out years intended as local match for FEMA grants.

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WLFL2 LWR SNO RESDL FLD MITGTN	\$1,402,612	\$591,819	\$636,540	\$655,636	\$675,305	\$695,564	\$0	\$4,657,476	\$3,254,864	This project provides technical and cost-sharing assistance to residential and agricultural landowners in the Lower Snoqualmie floodplain to help them better withstand the impacts of flooding. Specific project actions include farm pads, elevations of homes, and elevation or flood proofing of agricultural structures.
WLFL2 SE 19TH WAY REVETMENT	\$250,000	\$450,000	\$1,513,588	\$109,272	\$0	\$0	\$0	\$2,322,860	\$2,072,860	Rebuild revetment to protect road access to high value agricultural lands
WLFL2 SINNEMA QUAALE 2011 REPR	\$1,265,986	\$2,642,728	\$0	\$0	\$0	\$0	\$0	\$3,908,714	\$2,642,728	This project involves analysis, design, and implementation of a capital project in order to repair 1000 linear feet of the Sinnema Quaaale Upper revetment. Protects sole-access roadway to residential area. Project expenditures are preliminary and may be refined based on revised cost estimates.
WLFL2 WINKELMAN REVMTNT REPAIR	\$629,488	\$269,653	\$3,014,017	\$0	\$0	\$0	\$0	\$3,913,158	\$3,283,670	This project will repair approximately 800 linear feet of the Winkelman (formerly RM 13.5) revetment. Erosion along the right bank of the Snoqualmie River channel threatens to undermine the Seattle Public Utilities water supply line at this location south of Duvall.
WLFL3 SAN SOUCI NBRHOOD BUYOUT	\$4,646,118	\$53,088	\$0	\$611,927	\$0	\$0	\$0	\$5,311,133	\$665,015	The project will buyout properties and remove all homes and privately-assembled rubble levee at upstream end of the community access road. It will also remove homes just upstream and downstream of San Souci neighborhood which are at high risk for damage from channel migration.
WLFL3 TOLT R MILE 1.1 SETBACK	\$5,136,902	(\$314,660)	\$877,364	\$0	\$0	\$0	\$0	\$5,699,606	\$562,704	Acquisition funding for levee setback project. Project priorities will be determined by the Board through adoption of the Tolt Corridor Plan, scheduled for 2015.
WLFL3 TOLT R NATURAL AREA ACQ	\$1,577,008	\$62,495	\$0	\$515,767	\$1,902,110	\$0	\$0	\$4,057,380	\$2,480,372	Acquisition funding for levee setback project. Project priorities will be determined by the Board through adoption of the Tolt Corridor Plan, scheduled for 2015.
WLFL4 ALPINE MANOR NEIGHBORHOOD BUYOUTS	\$2,802,068	(\$608,184)	\$810,528	\$327,044	\$0	\$0	\$0	\$3,331,456	\$529,388	Acquisition of single-family homes at risk of channel migration along the Raging River in the Alpine Manor neighborhood.
WLFL5 WILLOWMOOR FLDPLAIN REST	\$991,471	\$351,858	\$0	\$0	\$0	\$0	\$0	\$1,343,329	\$351,858	The project will alter the transition zone between the Sammamish River and Lake Sammamish to improve natural complexity and habitat value while addressing maintenance costs and sustainable flood control. Complete 30% design alternatives in 2015. Consistent with previous Advisory Committee recommendations, intent is to develop 30% design that could be used to apply for grant funding to implement the project. No funding included at this time for final design and construction.
WLFL5 SAMMAMISH R BANK REPAIRS	\$0	\$400,000	\$0	\$0	\$0	\$0	\$0	\$400,000	\$400,000	Repair two small slumps to protect the regional Sammamish River trail.
WLFL6 LOWER COAL CRK PH I	\$936,890	\$3,138,414	\$4,491,272	\$0	\$0	\$0	\$0	\$8,566,576	\$7,629,686	Increase the storage capacity of the regional detention pond while maintaining fish passage. Increase conveyance capacity at the five box culvert crossings. Implemented by City of Bellevue.
WLFL6 MCALEER/LYON CHAN IMPRVM	\$350,000	\$350,000	\$350,000	\$0	\$0	\$0	\$0	\$1,050,000	\$700,000	Re-establish a more natural floodplain widening for Lyon Creek and upgrade undersized culverts in the project area. Project may include high-flow bypass alternatives. Funding is 25% local share for FEMA grant; implemented by City of Lake Forest Park.

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WLFL7 CDR PRE-CONST STRTGC ACQ	\$5,982,312	(\$856,754)	\$2,565,256	\$2,771,593	\$3,078,942	\$1,688,668	\$1,739,256	\$16,969,273	\$10,986,961	This project will acquire strategic real estate upon which several large Flood Control District capital projects are dependent, namely the levee setback projects at the Herzman, Jan Rd, Rhode, Getchman, and Rutledge-Johnson Lower Jones Rd levee segments.
WLFL7 CEDAR LEVEE SETBACK FEAS	\$738,500	\$699,487	\$0	\$0	\$0	\$0	\$0	\$1,437,987	\$699,487	Cedar River Corridor Planning project.
WLFL7 CEDAR R REP LOSS MITGATN	\$3,464,031	\$817	\$323,574	\$333,282	\$343,280	\$353,579	\$364,186	\$5,182,749	\$1,718,718	Acquire frequently-flooded homes.
WLFL7 CEDAR RVR GRAVEL REMOVAL	\$3,169,660	\$5,545,108	\$0	\$0	\$0	\$0	\$0	\$8,714,768	\$5,545,108	The project restores 100-year conveyance capacity along the lower 1.25 miles of the Cedar River to provide continued flood protection to properties within the floodplain. These properties include The Boeing Company's 737 assembly plant, PACCAR's Kenworth Truck manufacturing facility, Renton Municipal Airport, residential areas and commercial properties such as The Landing in Renton, which are cornerstones to the economic health of the City and the Region. Project is a required maintenance action for the Army Corps of Engineers 205 Flood Control Project to maintain the flood protection benefits of the project. Project expenditures are preliminary and may be refined based on permitting, mitigation requirements and updated construction cost estimates and actual bids.
WLFL7 RIVERBEND MHP ACQ	\$3,550,000	\$1,494,400	\$312,642	\$0	\$0	\$0	\$0	\$5,357,042	\$1,807,042	Initiate preliminary engineering design for potential levee setback / realignment to reduce flood heights and velocities in this reach.
WLFL8 BLACK R PUMP STATION	\$3,714,897	\$2,699,204	\$1,053,474	\$1,049,018	\$1,080,488	\$881,048	\$907,480	\$11,385,609	\$7,670,712	Identify and resolve needs for this aging pump station (built in 1971). Expenditures here include sediment removal, fuel system upgrades, and life-cycle efficiency analysis to inform future upgrades. Post-2015 appropriations are placeholders pending completion of life-cycle analysis.
WLFL8 BOEING LEVEE HT INCREASE	\$104,100	\$1,725,662	\$0	\$0	\$0	\$0	\$0	\$1,829,762	\$1,725,662	Increase the height of the existing setback levee, and will be coordinated with the Corps Ecosystem Restoration Program project to achieve construction cost efficiencies.
WLFL8 BRISCOE LEVEE SETBACK	\$22,889,597	\$440,674	\$0	\$0	\$0	\$0	\$0	\$23,330,271	\$440,674	Floodwall construction implemented by the City of Kent.
WLFL8 DESIM/DYKSTRA REPAIR USACE	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000	Cost-share flood damage repair from March 2014 high flows with Corps of Engineers. Placeholder funding pending further decisions by the Corps; will be adjusted based on revised cost information. Repair site overlaps Reach 1 floodwall; will be coordinated with City of Kent.
WLFL8 GREEN R PL84-99 MITIGATN	\$3,002,028	\$1,242,029	\$1,287,641	\$1,582,361	\$695,681	\$0	\$0	\$7,809,740	\$4,807,712	This project will result in actions to mitigate environmental damage, as required by environmental permitting agencies, from participation in the US Army Corps of Engineers PL84-99 program during 2008-9.
WLFL8 LWR RUSSELL LEVEE SETBACK	\$3,000,464	\$911,193	\$10,937,388	\$2,580,748	\$0	\$0	\$0	\$17,429,793	\$14,429,329	Remove and replace the existing flood containment system of levee and revetments along the right (east) bank of the Green River between river mile 17.85 (S 212th St) and river mile 19.25 (S 231st Way) in the City of Kent to provide long-term flood protection and improve riparian and aquatic habitat.
WLFL8 PORTER LEVEE ERES	\$0	\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000	\$300,000	Contribute the cost of a repair (\$300,000) to a \$7 million levee setback project. By relocating the levee, future repair costs for the Flood Control District are reduced.

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WLFL8 RUSSELL RD UPPER KENT	\$3,787,228	\$2,200,000	\$0	\$0	\$0	\$0	\$0	\$5,987,228	\$2,200,000	The purpose of this project is to improve the levee by providing a minimum of 3 feet of freeboard above the predicted 500-year flood event and improve slope stability. These segments of the Russell Road Upper Levee have over-steepened slopes and therefore lack adequate structural stability to provide adequate safety.
WLFL8 USACE SWIF	\$1,532,400	\$573,824	\$0	\$0	\$0	\$0	\$0	\$2,106,224	\$573,824	Green River Corridor Planning (under System-Wide Improvement Framework agreement with Army Corps of Engineers)
WLFL9 COUNTYLINE TO A STREET	\$7,760,916	\$5,186,449	\$5,304,561	\$54,636	\$0	\$0	\$0	\$18,306,562	\$10,545,646	Reduces flood elevations that impact residential neighborhoods in the City of Pacific (500 residents and \$49.6 million of assessed value and contents), improves sediment storage and enhances habitat.
WLFL9 RED CREEK ACQUISITIONS	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$100,000	Permanently eliminate the risk to public safety along this reach by acquiring and removing residential structure. Placeholder funding for appraisal and/or grant match dependent on landowner willingness.
WLFL9 RIGHT BANK LEVEE SETBACK	\$9,203,723	(\$465,791)	\$1,427,926	\$1,798,017	\$6,260,642	\$8,007,685	\$23,881	\$26,256,083	\$17,052,360	Project entails acquiring at-risk, flood prone residential properties on right bank of White River in City of Pacific to allow for construction of new levee setback, extending from BNSF railroad bridge embankment to endpoint at Butte Ave. by White River Estates neighborhood.
WLFLS SOUTH PARK DWMSH BACKWTR	\$1,500,000	\$1,190,575	\$2,000,000	\$1,809,425	\$0	\$0	\$0	\$6,500,000	\$5,000,000	Cost-share construction of pump station to reduce flooding in industrial area. Allocation of funds by year may be revised based on updated project schedule. Implemented by the City of Seattle.
WLFLX CORRIDOR PLN DESIGN/CONST PLACEHOLDER (2 projects)	\$0	\$0	\$125,000	\$384,356	\$2,710,456	\$6,953,589	\$21,433,375	\$31,606,776	\$31,606,776	Placeholder for corridor plan implementation project(s)
WLFLX CORRIDOR PLN DESIGN PLACEHOLDER (3 projects, construction post-2020)	\$0	\$0	\$0	\$110,000	\$434,638	\$3,034,089	\$5,261,834	\$8,840,561	\$8,840,561	Placeholder for corridor plan implementation project(s)
WLFLG GRANT FUND	\$2,666,329	\$2,883,634	\$2,970,143	\$3,059,247	\$3,151,025	\$3,245,555	\$3,342,922	\$21,318,855	\$18,652,526	Competitive grant program for flood reduction projects.
WLFLM EFFECTIVENESS MONITORING	\$1,988,468	(\$127,348)	\$635,408	\$898,945	\$542,472	\$422,823	\$386,497	\$4,747,265	\$2,758,797	Evaluation of capital projects to determine effectiveness and identify project design improvements.
WLFLS SUBREGNL OPPRTNTY FUND	\$26,575,528	\$3,961,069	\$4,148,905	\$4,347,034	\$4,555,751	\$4,692,423	\$4,833,196	\$53,113,906	\$26,538,378	Allocation to all King County jurisdictions for flooding, water quality, or watershed management projects.
WLFLX CENTRAL CHARGES	\$691,976	\$174,077	\$179,300	\$184,678	\$190,219	\$195,925	\$185,086	\$1,801,261	\$1,109,285	Central charges related to the FCD's capital fund.
WLFLX FLOOD EMERGENCY CONTGNCY	\$630,728	\$160,253	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$2,040,981	\$1,410,253	Contingency for emergency response actions during a flood event.
WLFLX WATERSHED MGMT GRANTS	\$10,173,674	\$4,227,272	\$4,354,089	\$4,484,712	\$4,619,253	\$4,757,831	\$4,900,565	\$37,517,396	\$27,343,722	Cooperative Watershed Management Grant Program; priorities recommended by watershed groups.
Countywide Subtotal	\$42,726,703	\$11,278,957	\$12,537,845	\$13,224,616	\$13,308,720	\$13,564,557	\$13,898,266	\$120,539,664	\$77,812,961	
Grand Total	\$163,116,828	\$46,121,587	\$55,767,980	\$42,743,736	\$34,618,615	\$38,418,315	\$47,607,140	\$428,394,201	\$265,277,373	

* Only projects with planned appropriation requests in 2015-2020 are shown on the CIP. Ongoing projects not needing additional appropriation have been excluded.