King County Flood Control District

2017 - 2022 Six-Year CIP Project Allocations Attachment H

11/2/16

New Flood Damage Repairs
Grant/External Funding
Cost Share

New Green R SWIF Projects

New Roads Division Projects

For Process Topic of Decision Topi					2015 Inception	2016 Revised										
Windows Wind	No. Title															Comments
MILES AND PRIVATE PARTY NAME 19 19 19 10 10 10 10 10	THE THE	Trion 70	70	project	Expondituro	Date Budget	Duagot	rtoquostou	1 Tojoulou	1 10,000.00	1 10,000.00	1 Tojootou	1 Tojoulou	Total	Total	Damage to revetment. Very large rock removed from revetment, vertical banks and exposed subgrade in
VILE OF SECURITY Control STUDY Control S	1 WLFL0 MILLER R RD RVTMNT 2016 REPAIR	Repair	N/A	wlr	\$0	\$50,000	\$50,000	\$710,799	\$0	\$0	\$0	\$0	\$0	\$710,799	\$760,799	
NULL DESIGNATION OF THE PLANT 1994 TO 19	2 WLFLO SKY W RVR DR FLOOD STUDY	63%	36%	wlr	\$2 475	\$81 237	\$78 762	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$81 237	
VIFUS SYNCOMISH HOUR SYNCOMES HOURS 685, 44% 80 580 580 59 50 50 50 50 50 50 5					, ,			* -	* -	·		·	·	* -		This project will elevate or buyout individual structures in the South Fork Skykomish Basin to eliminate the
WIFE DEVICE SYNCOMEST ILE DUP 2016 REPAIR Repair NA wif 10 \$15,0000 \$150,000 \$50 \$0 \$0 \$0 \$0 \$0 \$0																
MIRTO SHYKOMISH ILLP 2018 REPAIR Report NA wf 50 \$20,044 \$50 \$	5 WLFL0 SKYKOMISH LB DOWN 2016 REPAIR	Repair	N/A	wlr	\$0	\$150,000	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000	
VILTO TIMBER IN ERIOSI BUYCUTS 76% 46% 46% 46% 46% 51.267.485 \$2.356.446 \$1.086.962 \$2.356.446 \$1.086.962 \$5.085.779 \$5.000 \$5.0					· ·				* -	·		•	·	·		Three pockets of missing armor rock: 15, 10 and 75 feet wide and eroded topsoil from upper sections of
No. Policy TimeBeritAME 2016 REPAIR Region NA Wir S. S. S. S. S. S. S. S					•			* -	7,0	·	7.	•	·	* -		This project will continue to acquire and remove homes along a stretch of the Skykomish River that are
Number N	7 WLFL0 TIMBER LN EROSN BUYOUTS	76%	46%	acq	\$1,267,483	\$2,354,445	\$1,086,962	\$232,068	\$656,729	\$0	\$0	\$0	\$0	\$888,797	\$3,243,242	
W.F.L. CIRCLE RVR RANCH RISK RED N/A W/r S64.225 \$150.000 \$35.775 \$30									77		7.			* -		
10 WELL CIRCLE RVR RANCH RISK RED WELL LINES REPAIR Repair NA wire \$94,225 \$150,000 \$50,	VELET IZOTITAVE GE BILL ENGINEETT	102	100	****	φο,οσο	φοσο,σσο	Ψ200,001	ΨΟ	ΨΟ	Ψ	Ψΰ	ΨΟ	ΨΟ	ΨΟ	Ψ000,000	This project will determine a preferred action to reduce long term risks from channel migration in the Circle
11 WUFL1 MASON THRSNEXT 2016 REPAIR Repair N/A wir \$0 \$240,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0	10 WLFL1 CIRCLE RVR RANCH RISK RED	N/A	N/A	wlr	\$64,225	\$150,000	\$85,775	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000	
WUFL1 MSON THRSN EXT 2016 REPAIR Repair N/A wir S \$240,000 \$240,000 \$5 \$5 \$5 \$5 \$5 \$5 \$5																
12 WLFL1 NF SNO CORRIDOR IMP		L .														facility and damage adjacent private property. Damage to levee face-rock compromises levee integrity and
13 WLFL1 MF SNO CORPLOR FLAN 76% 33% wfr \$1,303,295 \$1,824,912 \$521,617 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$. ,			77		7.			7.		
14 WLFL1 NETH FOR BIDGE 2016 REPAIR Repair N/A wtr \$0 \$385,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0	13 WLFL1 MF SNO CORRIDOR PLAN	76%	33%	wlr	\$1,303,295	\$1,824,912	\$521,617		\$0	\$0	\$0	\$0		\$0		Middle Fork Snoqualmie Corridor Planning, scheduled for completion in 2016.
Superior Well North FORK BRIDGE 2016 REPAIR Repair N/A wir \$0 \$385,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0	14 WLFL1 N BEND RESID FLD MITGTN	76%	61%	acq	\$1,544,617	\$1,555,476	\$10,859	(\$10,859)	\$0	\$0	\$0	\$0	\$0	(\$10,859)	\$1,544,617	Snoqualmie Residential Flood Mitigation project.
15 WLFL1 NORTH FORK BRIDGE 2016 REPAIR Repair N/A w/r \$0 \$385,000 \$395,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0																
Length 50-80 feet. Face rock has appeared to have settled 1-2 feet exposing core material above near upper part of levee face. Length 50-80 feet. Face rock has appeared to have settled 1-2 feet exposing core material above near upper part of levee face. Length 50-80 feet. Face rock has appeared to have settled 1-2 feet exposing core material above near upper part of levee face. Length 50-80 feet. Face rock has appeared to have settled 1-2 feet exposing core material above near upper part of levee face. Length 50-80 feet. Face rock has appeared to have settled 1-2 feet exposing core material above near upper part of levee face. Length 50-80 feet. Face rock has appeared to have settled 1-2 feet exposing core material above near upper part of levee face. Length 50-80 feet. Face rock has appeared to have settled 1-2 feet exposing core material above near upper part of levee face. Length 50-80 feet. Face rock has appeared to have settled 1-2 feet exposing core material above near upper part of levee face. Length 50-80 feet. Face rock has appeared to have settled 1-2 feet exposing core material above near upper part of levee face. Length 50-80 feet. Face rock has appeared to have settled 1-2 feet exposing core material above near upper part of levee face. Length 50-80 feet. Face rock has appeared to have settled 1-2 feet exposing could composed could commissing in pockets upstream end of this damage could commissing in pockets length 40 feet for feet and to feet feet for hand. Face for herein the feet for herein feet on the feet for herein feet feet for herein feet feet for herein feet for herein feet feet feet feet for herein feet feet feet feet feet for herein feet feet feet feet feet feet feet fee					7.	. ,	. ,		* -					* -		piers and abutments from scour failure.
Part	16 WEFLI RECORD OFFCE 2011 REPAIR	Керап	IN/A	WII	\$302,432	\$302,452	Φ0	Φ0	\$0	φυ	Φ0	φυ	Φυ	Φ0	\$302,432	
Number N																part of levee face. Larger face rock missing in pockets upstream end of this damage site. Continued damage
Repair N/A wir \$0 \$20,000 \$32,169 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	17 WLFL1 REIF RD 2016 REPAIR	Repair	N/A	wlr	\$0	\$50,000	\$50,000	\$179,950	\$0	\$0	\$0	\$0	\$0	\$179,950	\$229,950	
18 WLFL1 SHAKE MILL RB 2016 REPAIR Repair N/A Wir \$0 \$20,000 \$20,000 \$32,169 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$																corresponding minor bank erosion along 50-60 feet of river bank. Actual gaps range between 6-10 feet.
NA WIF SHAKE MILL LB 2016 REPAIR Repair N/A WIF \$0 \$100,000 \$100,000 \$700,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	18 WLFL1 SHAKE MILL RB 2016 REPAIR	Repair	N/A	wlr	\$0	\$20,000	\$20,000	\$32,169	\$0	\$0	\$0	\$0	\$0	\$32,169	\$52,169	
Value Valu	19 WI FI 1 SHAKE MILL I B 2016 REPAIR	Renair	N/A	wir	\$0	\$100,000	\$100,000	\$700,000	\$0	\$0	\$0	\$0	\$0	\$700,000	\$800,000	
21 WLFL1 SF SNO CORRIDOR IMP 95% 49% Wr \$0 \$130,771 \$0 \$1,946,796 \$2,898,43 \$383,693 \$0 \$7,228,441 \$7,359,212 Placeholder for corridor plan implementation project(s) 22 WLFL1 SF SNO CORRIDOR PLAN 79% 49% WIR \$2,336,181 \$2,621,454 \$285,273 \$0 \$0 \$0 \$0 \$0 \$2,621,454 SF Snoqualmie Corridor plan. Reallocate 2015 funding to corridor plan implementation project placeholders.					•				7.0	•		·	·			Project identified by Board to alleviate potential flooding of I-90 in North Bend. Currently evaluating project
22 WEFLT SF SNO CORRIDOR PLAN 79% 49% WIT \$2,336,181 \$2,621,454 \$285,273 \$0 \$0 \$0 \$0 \$0 \$2,621,454					+ ,,	+ - , ,		. , ,		* - / /	+,					
	22 WLFL1 SE SNO CORRIDOR PLAN	79%	49%	wlr	\$2 336 181	\$2 621 454	\$285 273	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2 621 454	SF Snoqualmie Corridor plan. Reallocate 2015 funding to corridor plan implementation project placeholders.
					* =,===,	4 =,0=1,101	4 =00,=:0	7.5	**	**	7.0	**	7.	4.5	*-, ,	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																Requires state or federal funding. Relative contribution of this project is being evaluated in the SF
23 WLFL1 SR202 SF BRIDGE LENGTHEN 76% 26% wlr \$0 \$0 \$0 \$0 \$0 \$100,000 \$100,000 \$100,000 \$100,000 Snoqualmie Corridor Plan. Flood damage repairs from January 2015 flood event. Locations include Mason-Thorson Ells and Mason-Thorso	23 WLFL1 SR202 SF BRIDGE LENGTHEN	76%	26%	wlr	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$100,000	
Thorson Extension (Middle Fork Snoqualmie); North Park (North Fork Snoqualmie); and Record Office,	24 WILEIA LIPPER CNOO 2045 FLOOD REPAIR	Danais	NI/A		C O	¢700 000	#700.000		\$202.004	¢o.	.	C O	* 0	\$202.004	¢4 002 004	Thorson Extension (Middle Fork Snoqualmie); North Park (North Fork Snoqualmie); and Record Office,
24 WLFL1 UPPER SNOQ 2015 FLOOD REPAIR Repair N/A wlr \$0 \$700,000 \$0 \$302,981 \$0 \$0 \$0 \$0 \$302,981 \$1,002,981 Meadowbrook, and Railroad (Snoqualmie mainstem). This project will continue to acquire or elevate flood-prone structures in the Upper Snoqualmie basin to	24 WEFLT OPPER SNOQ 2015 FLOOD REPAIR	Repair	IN/A	WII	\$0	\$700,000	\$700,000	20	\$302,981	\$0	20	\$0	\$0	\$302,981	\$1,002,981	
reduce the risk of flood, erosion, and channel migration damage. Partnership with Cities of Snoqualmie and North Bend. As of May 2016 260 remain to be elevated or acquired. This amount assumes 10-12 home																
25 WLFL1 UPR SNO RES FLD MITIGTN 89% 54% acq \$8,469,706 \$11,232,391 \$2,762,685 \$738,893 \$2,010,126 \$2,070,430 \$2,132,543 \$2,196,519 \$2,262,415 \$11,410,926 \$22,643,317 elevations per year.	25 WLFL1 UPR SNO RES FLD MITIGTN	89%	54%	acq	\$8,469,706	\$11,232,391	\$2,762,685	\$738,893	\$2,010,126	\$2,070,430	\$2,132,543	\$2,196,519	\$2,262,415	\$11,410,926	\$22,643,317	· ·
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																erosion of the revetment could result in erosion of the road (West Snoqualmie Valley Road NE) which would
26 WLFL2 DUTCHMAN RD REPAIR Repair N/A wir \$0 \$0 \$0 \$209,914 \$355,136 \$0 \$0 \$0 \$565,050 \$severely limit access to the downstream property owners during or following a flood event.	26 WLFL2 DUTCHMAN RD REPAIR	Repair	N/A	wlr	\$0	\$0	\$0	\$209,914	\$355,136	\$0	\$0	\$0	\$0	\$565,050	\$565,050	severely limit access to the downstream property owners during or following a flood event.
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																
27 WLFL2 FARM FLOOD TSK FORCE IMP 58% 79% wir \$555,159 \$720,937 \$165,778 \$42,822 \$102,000 \$104,040 \$106,121 \$108,243 \$110,408 \$573,634 \$1,294,571 include farm pads, elevations of homes, and elevation or flood proofing of agricultural structures.	27 WLFL2 FARM FLOOD TSK FORCE IMP	58%	79%	wlr	\$555.159	\$720.937	\$165.778	\$42.822	\$102.000	\$104.040	\$106.121	\$108.243	\$110.408	\$573.634	\$1,294.571	
28 WLFL2 L SNO REP LOSS MITGTION 74% 21% acq \$1,268,702 \$1,712,699 \$443,997 \$0 \$222,862 \$0 \$0 \$0 \$0 \$1,935,561 Funding in out years intended as local match for FEMA grants.					,	. ,	. ,	* /-		+ - ,		. ,	* -,	+	+ / - /-	Funding in out years intended as local match for FEMA grants.

					2016				T				· · · · · · · · · · · · · · · · · · ·		
				2015 Inception	2016 Revised										
No. Title	Flood	Implement		to Date	·	2016 Available	2017	2018	2019	2020	2021	2022	6-Year CIP	Project Life	Comments
No. Title	Risk %	%	project	Expenditure	Date Budget	Budget	Requested	Projected	Projected	Projected	Projected	Projected	Total	Total	Comments Cost-shared contribution to multiple levee setbacks and high priority flood risk reduction acquisitions in the
															Fall City reach of the Lower Snoqualmie. Projects reduce flood and erosion risk to revetments, roads, and
29 WLFL2 L SNO/ALDAIR CORRDOR PLN	84%	97%	wlr	\$5,522,761	\$6,800,543	\$1,277,782	\$452,218	\$742,630	\$764,909	\$675,305	\$0	\$0	\$2,635,062	\$9,435,605	landowners. FCD expenditure leverages habitat restoration funding from other sources.
															This project provides technical and cost-sharing assistance to residential and agricultural landowners in the
20 WI FI 2 LWP CNO DECDI FI D MITOTNI	FCD	FCD		£4.704.007	\$2,020,074	#000 074	Ф07E 20E	\$74C 404	#7C0 0C0	Ф 77 Е 000	\$700.700	¢000 504	£4.504.444	Ф7 4 <i>EE</i> 20E	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.
30 WLFL2 LWR SNO RESDL FLD MITGTN	FCD	FCD	acq	\$1,704,097	\$2,630,971	\$926,874	\$675,305	\$716,431	\$760,062	\$775,263	\$790,769	\$806,584	\$4,524,414	\$7,155,385	Rebuild revetment to protect road access to high value agricultural operations and lands. Construction
31 WLFL2 SE 19TH WAY REVETMENT	FCD	FCD	wlr	\$78,787	\$623,588	\$544,801	\$1,082,706	\$150,000	\$0	\$0	\$0	\$0	\$1,232,706	\$1,856,294	anticipated 2017.
32 WLFL2 SE DAVID POWELL RD DOWNSTREAM 33 WLFL2 SE FISH HATCHERY RD	FCD FCD		wlr wlr	\$12,081 \$15,718	\$1,000,000 \$500,000	\$987,919 \$484,282	\$36,456 \$27,905	\$0 \$0		\$0 \$0		\$0 \$0	\$36,456 \$27,905		FCD-requested project to reduce neighborhood isolation from flooding. FCD-requested project to reduce neighborhood isolation from flooding.
33 WEI EZ GE HOITHATOHEKT KD	100	100	VVII	ψ15,716	ψ300,000	ψ404,202	Ψ21,903	ΨΟ	ΨΟ	ΨΟ	Ψ0	ΨΟ	Ψ21,903	Ψ321,903	The foundation of the main-span pier is exposed and is vulnerable to destabilization during a flood. Add
04 M// 51 0 B/ N/4/ / BB/B 05 44004	FOR	FOD			00		***	* 400.000	40			•	0 450 000	0.450.000	scour mitigation measures to protect footing. Bridge crosses the Snoqualmie River at Duvall and is the city's
34 WLFL2 DUVALL BRIDGE 1136A	FCD	FCD	wlr	\$0	\$0	\$0	\$30,000	\$120,000	\$0	\$0	\$0	\$0	\$150,000	\$150,000	primary route.
															The river is scouring the road away and David Powell Road is collapsing into the river. This project will repair
35 WLFL2 SE DAVID POWELL RD UPSTREAM	FCD	FCD	wlr	\$0	\$0	\$0	\$250,000	\$700,000	\$1,250,000	\$0	\$0	\$0	\$2,200,000	\$2,200,000	an existing failing revetment and extend MSE wall to prevent undercutting of the riverbank and roadway. Regional flooding in the Snoqualmie Valley cuts off access to eastern cities. Determine which major
															roadway(s) that cross the Snoqualmie Valley would be the most cost effective to improve in the valley with
36 WLFL2 SNOQUALMIE VALLEY FEASIBILITY	FCD	FCD	wir	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000	\$250,000	\$500,000	\$500,000	chronic flood issues impacting over 25,000 daily drivers.
															These two bridges are subject to having the roadway approach fill wash out during a flood. Excavate approaches and rebuild approaches to prevent loosing approaches during flooding. A similar repair was done
37 WLFL2 WOODINVILLE DUVALL BR 1136B/1136	FCD	FCD	wlr	\$0	\$0	\$0	\$100,000	\$300,000	\$0	\$0	\$0	\$0	\$400,000	\$400,000	on Woodinville-Duvall Bridge No. 1136D.
															Large capital project to repair 1000 linear feet of the Sinnema Quaale Upper revetment. Protects SR 203,
38 WLFL2 SINNEMA QUAALE 2011 REPR	100%	N/A	wlr	\$10,204,102	\$10,204,102	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10.204.102	two regional fiber optic lines, and Snoqualmie Valley Trail. Construction to be completed in 2017; project anticipated to be closed out in 2017.
				* · · · · · · · · · · · · · · · · · · ·	¥ : •,= • :, · •=	(+-)	4.5	7.7	7.7		***	**	4.	* ,	This project will repair approximately 800 linear feet of the Winkelman (formerly RM 13.5) revetment. Erosion
39 WLFL2 TOLT PIPELINE PROTECTION	84%	49%	wlr	\$1,096,776	\$2,630,998	\$1,534,222	\$6,140,378	\$42,436	\$0	\$0	\$0	\$0	\$6,182,814	\$9,913,912	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. Construction anticipated 2017.
39 WEFEZ TOET FIFELINE FROTECTION	04 /6	49 /0	WII	\$1,090,770	\$2,030,998	\$1,554,222	φ0,140,376	φ42,430	φυ	ΨΟ	φ0	ΨΟ	φ0,102,014	φ0,013,012	Face rock displaced along approximately 50 feet of levee face. Some core material appears to have been
															lost, resulting in an oversteepened bank relative to upstream and downstream undamaged levee sections.
40 WLFL3 FREW LEVEE 2016 REPAIR	Repair	N/A	wir	\$0	\$50,000	\$50,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000	\$150,000	Top of damaged face approximately 6 feet from edge of gravel trail. Continued erosion will cut off popular riverside trail. Potential impact to highway if facility breaches during a major flood.
TO WELLOTTIEW EEVEL ZOTOTIET AIR	rtopan	1471	****	ΨΟ	φου,σου	ψου,σου	ψ100,000	ΨΟ	Ψΰ	ΨΟ	Ψ	ΨΟ	ψτου,σου	Ψ100,000	Approximately 20 feet of face and toe rock dislodged from Girl Scout Camp levee revetment below side
41 WLFL3 GIRL SCOUT LEVEE 2016 REPAIR	Repair	N/A	wlr	\$0	\$20,000	\$20,000	\$40,000	\$0	\$0	\$0	\$0	\$0	\$40,000	000 002	channel confluence with mainstem. Missing face and toe rock compromises levee integrity, increasing its vulnerability to further scour and potential failure.
41 WEFES GIRE SCOUT LEVEE 2016 REPAIR	Kepaii	IN/A	WII	ΦΟ	\$20,000	\$20,000	\$40,000	\$0	Φ0	Φυ	ΦΟ	Φ0	\$40,000	\$60,000	This project will buyout remaining properties and remove all homes and privately-constructed rubble levee at
															upstream end of the community access road, ultimately completing project initiated 20 years ago by others.
42 WLFL3 SAN SOUCI NBRHOOD BUYOUT	82%	79%	acq	\$4,123,068	\$4,949,206	\$826,138	\$604,147	\$0	\$0	\$0	\$0	\$0	\$604,147	\$5 553 353	When completed, will result in removing approximately 20 homes from high hazard areas within and just upstream and downstream of San Souci neighborhood.
12 WEFES ON GOOGLASKITEOS BOTOCT	0270	7070	uoq	ψ1,120,000	ψ1,010,200	ψ020,100	ψου 1,1 11	ΨΟ		•	Ψ	* -	φου 1,1 17		Flood damage repairs from January 2015 flood event. Locations include Frew, Upper Frew, Remlinger, and
43 WLFL3 TOLT 2015 FLOOD REPAIRS 44 WLFL3 TOLT CORRIDOR IMPLMNTN	Repair 87%	N/A 82%	wlr wlr	\$19,397 \$0	\$900,000 \$25,252	\$880,603 \$25,252	\$0 \$75,000	\$22,419 \$679,867	\$0 \$635,353	\$0 \$1,717,650	\$0 \$5,037,804	\$0 \$0	\$22,419 \$8,145,674		Girl Scout Camp. Placeholder for corridor plan implementation project(s). Assumes project initiation late 2017.
44 WEFES TOLT CORRIDOR INFLIMINT	01/6	02 /0	WII	φυ	\$25,252	\$25,252	\$75,000	φ079,007	φ030,333	\$1,717,000	\$5,037,004	ΨΟ	\$6,145,674	\$6,170,920	The corridor plan for the lower 6 miles of the Tolt River will develop a prioritized implementation strategy for
45 WLFL3 TOLT CORRIDOR PLAN	87%	82%	wir	\$836,125	\$958,560	\$122,435	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$958,560	
46 WLFL3 TOLT R MILE 1.1 SETBACK	84%	79%	acq	\$4,069,360	\$5,699,606	\$1,630,246	(\$215,246)	\$318,270	\$546,363	\$0	\$0	\$0	\$649,387	\$6.348.993	Acquisition funding for high risk properties in levee setback project area. Project priorities will be determined by the Board through adoption of the Tolt Corridor Plan.
							, ,				·		. ,		Acquisition funding for high risk properties in levee setback project area. Project priorities will be determined
47 WLFL3 TOLT R NATURAL AREA ACQ 48 WLFL3 TOLT R RD ELEVATION FEASIBILITY	66% FCD	64% FCD	acq wlr	\$1,138,843 \$0	\$1,639,503 \$250,000	\$500,660 \$250,000	\$30,107 \$0	\$530,450 \$0	\$546,363 \$0	\$562,754 \$0	\$466,156 \$0	\$0 \$0	\$2,135,830 \$0		by the Board through adoption of the Tolt Corridor Plan. FCD-requested project to reduce neighborhood isolation from flooding.
40 WEI ES TOET IN IN ELEVATION TEACIBLETT	100	105	VVII	ΨΟ	Ψ230,000	Ψ230,000	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	Ψ200,000	This bridge has a history of scour damage. One of the arch foundations is exposed. Repair scour mitigation
40 WILELA DACING DIDDGE 4000E	FCD	FCD	wlr	¢o.	\$0	\$0	000 000	\$0	\$0	ro.	\$ 0	r _O	\$80,000	\$80.000	measures to protect the footing. It serves only one house but is a designated King County Landmark.
49 WLFL4 RAGING R BRIDGE 1008E	FCD	FCD	WII	\$0	ΦΟ	ΦΟ	\$80,000	\$0	Φ0	\$0	\$0	\$0	\$60,000	\$60,000	Acquisition of single-family homes and future acquisition of mobile home park at risk of channel migration
50 WLFL4 ALPINE MANOR NEIGHBORHOOD BUY	OU 76%	79%	acq	\$1,715,652	\$2,374,412	\$658,760	(\$93,760)	\$484,878	\$0	\$0	\$0	\$0	\$391,118		along the Raging River in the Alpine Manor neighborhood.
51 Snoqualmie-South Fork Skykomish Subtotal 52				\$49,138,091	\$71,482,634	\$22,344,543	\$14,290,160	\$13,346,352	\$17,775,785	\$9,653,617	\$12,558,534	\$3,929,407	\$71,553,855	\$143,036,489	
53															
															Repair and stabilize two short sections of the right riverbank near I-405 to protect the regional Sammamish
															River trail. Work is being coordinated with Parks. Full permitting will be required as work will be below OHW, plus an updated easement will be required from WSDOT and FHWA due to I-405 proximity. Construction is
EA IMI ELE CAMMANNICH DIDANIK DEDAIDO	Donoir	N/A		£45.070	\$400.000	¢204 020	£40.005	\$0	CO	\$0	\$0	\$0	£40.00E	\$419.895	targeted for summer 2016 and will likely require detouring trail users to adjacent roads.
54 WLFL5 SAMMAMISH R BANK REPAIRS	Repair	N/A	wlr	\$15,070	\$400,000	\$384,930	\$19,895	20	\$0	\$0	\$0	\$0	\$19,895	\$419,895	To address chronic flooding on this sole access roadway with approximately 200 properties, look at upstream
						•		•							and downstream retention/detention options; study road-raining options; prepare Concept Development
55 WLFL5 NE 8TH ST AT LAKE ALLEN OUTLET	FCD	FCD	wlr	\$0	\$0	\$0	\$0	\$0	\$0	\$400,000	\$1,400,000	\$1,000,000	\$2,800,000	\$2,800,000	Report, analyze and select best options. Willowmoor Floodplain Restoration Project seeks to reduce the frequency and duration of high lake levels in
															Lake Sammamish while maintaining downstream Sammamish River flood control performance and
															enhancing habitat. The project will reconfigure the Sammamish transition zone to ensure ongoing flow
															conveyance, downstream flood control, potential extreme lake level reduction, habitat conditions improvement, and reduction of maintenance impacts and costs. In June 2016 the Executive Committee
															approved a motion (2016-04) authorizing 30% design of the split-channel alternative including various design
56 WLFL5 WILLOWMOOR FLDPLAIN REST	58%	8%	wlr	\$1,268,234	\$2,232,642	\$964,408	\$485,281	\$500,000	\$2,964,719	\$50,000	\$0	\$0	\$4,000,000	\$6,232,642	elements such as variable depth pools, cold water supplementation, and other elements itemized in the
TELEGITIEGOTTI EDI ENINTEGI	3370	5,0	4411	ψ1,200,20 4	ψ <u>ε,</u> ευε,υ τ ε	Ψυυ-1,-100	ψ-100,201	ψοσο,σοσ	Ψ2,50 1 ,713	ψου,υυυ	Ψ	Ψ	ψ-1,000,000	ΨΟ,202,042	Increase conveyance capacity at the five box culvert crossings. Disconnect local storm drainage outfall from
EZ WILELG LOWER COAL CRICELL	740/	400/	Agrosmast	\$737,768	\$1,503,576	\$705.000	\$2,275,000	\$2,457,000	¢2 244 000	#40.000	\$10,000	\$0	\$7,063,000	40 500 570	Coal Creek and redirect them to Lake Washington. Implemented by City of Bellevue. Expenditure forecast to
57 WLFL6 LOWER COAL CRK PH I	71%	49%	Agreement	φι31,108	φ1,503,576	\$765,808	Φ∠,∠13,000	φ∠, 4 57,000	\$2,311,000	\$10,000	φ10,000	Φ0	φ <i>τ</i> ,υο3,υ00	Φ0,000,076	be updated based on current project schedule.

					2016										
				2015 Inception	2016 Revised										
	Flood	Implemen		to Date	Inception to	2016 Available	2017	2018	2019	2020	2021	2022	6-Year CIP	Project Life	
No. Title	Risk %	%	project	Expenditure	Date Budget	Budget	Requested	Projected	Projected	Projected	Projected	Projected	Total	Total	Comments
															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;
58 WLFL6 MCALEER/LYON CHAN IMPRVM	79%	77%	Agreement	\$1,034,720	\$1,050,000	\$15,281	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,050,000	implemented by City of Lake Forest Park. Project to be closed out in 2017.
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , ,	*	,	•	* -	* -	* -	, ,	* ,,	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. Acquisition funding reduced pending Board action on the Cedar
59 WLFL7 CDR PRE-CONST STRTGC ACQ	84%	69%	acq	\$2,522,532	\$2,830,814	\$308,282	\$1,499,718	\$1,529,712	\$1,560,306	\$1,591,512	\$1,623,342	\$1,655,809	\$9,460,399	\$12,291,213	corridor planning effort and the District's acquisition policy.
60 WLFL7 CEDAR CORRIDOR IMPLMNTN	76%	44%	wlr	\$0	\$16,763	\$16,763	\$328,437	\$763,848	\$819,545	\$2,918,141	\$246,346	\$30,999	\$5,107,316		Placeholder for corridor plan implementation project(s)
															This six-year flood risk reduction capital investment strategy will cover the Cedar River valley from Landsburg
															Road SE (River Mile 22) to Lake Washington. Completion of this plan is expected in September 2016.
61 WLFL7 CEDAR LEVEE SETBACK FEAS (Cedar	Cor 84%	69%	wlr	\$1,078,763	\$1,987,587	\$908,824	\$0	\$0	\$0	\$0	\$0	90	\$0	\$1,987,587	
62 WLFL7 CEDAR R REP LOSS MITGATN	74%		acq	\$3.147.951	\$3.788.422	\$640.471	\$58.679		\$333.282	\$343.280	\$353.579	\$364.186	\$1,776,580		Acquire frequently-flooded homes. Placeholder funding until District adopts acquisition policy.
THE EL CLEAR WILL LOOK WITCH	, ,		404	ψο, ,σο .	40,100,122	ψο το, τε τ	\$66,616	ψο20,01	4000,202	ψο 10,200	φοσο,σ. σ	ψου 1,100	\$1,110,000	ψ0,000,002	Project is scheduled for 2016-2017 construction. The project will ensure the minimum required 100-year
															flood conveyance capacity along the lower 1.25 miles of the Cedar River. The project will provide continued
															flood protection to densely developed downtown Renton, including: Boeing's 737 assembly plant, PACCAR's
															Kenworth Truck manufacturing facility, Renton Municipal Airport, residential areas and commercial properties
															such as The Landing. These businesses are cornerstones to the economic health of the City and the Region.
63 WLFL7 CEDAR RVR GRAVEL REMOVAL	89%	59%	Agreement	\$948.302	\$11,728,768	\$10,780,466	\$774.117	\$325.046	\$82.035	\$84.495	\$87,030	\$89,640	\$1,442,363	¢12 171 121	Project is a required maintenance action for the Army Corps of Engineers 205 Flood Control Project. Project costs were updated in March 2016.
03 WEI ET CEDAR RVIK GRAVEE REMOVAL	0370	3370	Agreement	ψ340,302	\$11,720,700	ψ10,700,400	Ψ114,111	Ψ323,040	Ψ02,033	ψ04,433	ψ07,030	ψ09,040	ψ1,442,303	ψ13,171,131	Purpose of the project is to setback levees on both sides of the river below the Elliott/154th ST Bridge.
															Pending complete of Cedar River 6-year capital investment plan (Line 57), initiate feasibility study for
64 WLFL7 ELLIOTT BR LEVEE SETBACK	79%	56%	wlr	\$2,164,884	\$2,425,408	\$260,524	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,425,408	potential levee setbacks in the Elliott Bridge reach.
															Washington State Floodplains by Design grant from the Department of Ecology. The project will buyout
															residents in high risk areas, increase the capacity for flood storage, and provide corresponding
65 WLFL7 FBD CORRIDOR IMPLEMENTATION	84%	69%	acq	\$0	\$2,150,000	\$2,150,000	\$3,555,500	\$806,284	\$0	\$0	\$0	\$0	\$4,361,784	\$6,511,784	environmental improvements. The project has cost-share funding from the City of Seattle
															To address a culvert failure affecting approximately 10 properties, prepare Concept Development Report to
66 WLFL7 SE 162ND AVE AT 266TH CT	FCD	FCD	wir	\$0	\$0	\$0	\$150,000	\$250.000	\$400.000	\$700.000	\$0	\$0	\$1,500,000	\$1,500,000	analyze and select best culvert replacement and road-raising option; and analyze upstream and downstream retention/detention impacts.
WLFL7 SE 162 FEASIBILITY STUDY	FCD	FCD	wir	\$0				\$0	\$0	\$0	\$0 \$0	\$0 \$0	\$260.000	\$260.000	Teter monvaetermon impacts.
772. 27 GR 100 1 27 GISELT 1 G 100 1	. 05	. 05	1	\$	Ψ	Ψ**	Ψ200,000	40	Ψ-0	40	ΨÜ	•	\$200,000	Ψ200,000	
															Project closeout. This project represents the Flood District contribution to a larger project to remove the
															Rainbow Bend levee in order to slow flood velocities and reduce flood elevations in this area of the river.
67 WLFL7 RAINBOW BEND LEVEE STBCK	76%	79%	wlr	\$1,966,730	\$2,369,091	\$402,361	(\$264,906)	\$0	\$0	\$0	\$0	\$0	(\$264,906)	\$2,104,185	
															This project represents the Flood District contribution to a larger project that relocates mobile home park
															tenants and initiates preliminary engineering design for potential levee setback / realignment to reduce flood
68 WLFL7 RIVERBEND MHP ACQ	82%	46%	wlr	\$3 379 126	\$5 357 042	\$1 977 916	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5 357 042	heights, velocities and channel migration risk in this reach.
68 WLFL7 RIVERBEND MHP ACQ 69 Cedar-Sammamish Subtotal	82%	46%	wlr	\$3,379,126 \$18,264,078	\$5,357,042 \$37,840,113	* /- /	\$0 \$9,141,721		\$0 \$8,470,887	\$0 \$6,097,428	\$0 \$3,720,297	\$0 \$3,140,634	\$0 \$37,526,431	\$5,357,042 \$75,366,544	
	82%	46%	wir	4 - 7 7	* - / / -	* /- /				7.			* -		
69 Cedar-Sammamish Subtotal 70 71				\$18,264,078	\$37,840,113	\$19,576,035	\$9,141,721	\$6,955,464	\$8,470,887	\$6,097,428	\$3,720,297	\$3,140,634	\$37,526,431	\$75,366,544	heights, velocities and channel migration risk in this reach.
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE	FCD	FCD	wlr	\$18,264,078 \$1,639	\$37,840,113 \$1,639	\$19,576,035 \$0	\$9,141,721	\$6,955,464 \$0	\$8,470,887	\$6,097,428	\$3,720,297 \$0	\$3,140,634	\$37,526,431	\$75,366,544 \$1,639	heights, velocities and channel migration risk in this reach. Project cancelled.
69 Cedar-Sammamish Subtotal 70 71				\$18,264,078	\$37,840,113	\$19,576,035 \$0	\$9,141,721	\$6,955,464 \$0	\$8,470,887	\$6,097,428	\$3,720,297	\$3,140,634	\$37,526,431	\$75,366,544 \$1,639	heights, velocities and channel migration risk in this reach. Project cancelled. Project cancelled.
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP	FCD 95%	FCD 77%	wlr	\$18,264,078 \$1,639 \$6,751	\$37,840,113 \$1,639 \$6,751	\$19,576,035 \$0 \$0	\$9,141,721 \$0 \$0	\$6,955,464 \$0 \$0	\$8,470,887 \$0 \$0	\$6,097,428 \$0 \$0	\$3,720,297 \$0 \$0	\$3,140,634 \$0 \$0	\$37,526,431 \$0 \$0	\$75,366,544 \$1,639 \$6,751	heights, velocities and channel migration risk in this reach. Project cancelled. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE	FCD	FCD	wlr	\$18,264,078 \$1,639 \$6,751	\$37,840,113 \$1,639	\$19,576,035 \$0	\$9,141,721	\$6,955,464 \$0 \$0	\$8,470,887	\$6,097,428	\$3,720,297 \$0	\$3,140,634	\$37,526,431	\$75,366,544 \$1,639 \$6,751	heights, velocities and channel migration risk in this reach. Project cancelled. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017.
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP	FCD 95%	FCD 77%	wlr	\$18,264,078 \$1,639 \$6,751	\$37,840,113 \$1,639 \$6,751	\$19,576,035 \$0 \$0	\$9,141,721 \$0 \$0	\$6,955,464 \$0 \$0	\$8,470,887 \$0 \$0	\$6,097,428 \$0 \$0	\$3,720,297 \$0 \$0	\$3,140,634 \$0 \$0	\$37,526,431 \$0 \$0	\$75,366,544 \$1,639 \$6,751	heights, velocities and channel migration risk in this reach. Project cancelled. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP 74 WLFL8 BRISCOE LEVEE SETBACK 75 WLFL8 BRPS BLACK R PUMP STATION	FCD 95% 82% 100%	FCD 77% 36%	wlr Agreement Agreement	\$18,264,078 \$1,639 \$6,751 \$20,562,938 \$2,853,284	\$37,840,113 \$1,639 \$6,751 \$23,330,271 \$5,374,203	\$19,576,035 \$0 \$0 \$2,767,333 \$2,520,919	\$9,141,721 \$0 \$0 \$0	\$6,955,464 \$0 \$0 \$0 \$36,060	\$8,470,887 \$0 \$0 \$0	\$6,097,428 \$0 \$0 \$0	\$3,720,297 \$0 \$0 \$0	\$3,140,634 \$0 \$0 \$0	\$37,526,431 \$0 \$0 \$0 \$0	\$75,366,544 \$1,639 \$6,751 \$23,330,271 \$5,410,263	heights, velocities and channel migration risk in this reach. Project cancelled. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017. Expenditures here include sediment removal, fuel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from recently completed needs assessment (2015). New line items established below to account for discrete project elements.
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP 74 WLFL8 BRISCOE LEVEE SETBACK 75 WLFL8 BRPS BLACK R PUMP STATION 76 WLFL8 BRPS CONTROL BLDG RPLCMT	FCD 95% 82% 100% 100%	FCD 77% 36% 72% 72%	wir Agreement Agreement wir wir	\$18,264,078 \$1,639 \$6,751 \$20,562,938 \$2,853,284 \$0	\$37,840,113 \$1,639 \$6,751 \$23,330,271 \$5,374,203 \$0	\$19,576,035 \$0 \$0 \$2,767,333 \$2,520,919 \$0	\$9,141,721 \$0 \$0 \$0 \$0 \$0 \$0	\$6,955,464 \$0 \$0 \$0 \$36,060 \$1,672,200	\$8,470,887 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$6,097,428 \$0 \$0 \$0 \$0 \$0 \$0	\$3,720,297 \$0 \$0 \$0 \$0	\$3,140,634 \$0 \$0 \$0 \$0	\$37,526,431 \$0 \$0 \$0 \$0 \$36,060 \$8,704,900	\$75,366,544 \$1,639 \$6,751 \$23,330,271 \$5,410,263 \$8,704,900	heights, velocities and channel migration risk in this reach. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017. Expenditures here include sediment removal, fuel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from recently completed needs assessment (2015). New line items established below to account for discrete project elements. New project line; previously combined as part of Line 66.
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP 74 WLFL8 BRISCOE LEVEE SETBACK 75 WLFL8 BRPS BLACK R PUMP STATION 76 WLFL8 BRPS CONTROL BLDG RPLCMT 77 WLFL8 BRPS FISH PASS IMPRVMNTS	FCD 95% 82% 100% 100%	FCD 77% 36% 72% 72% 72%	wir Agreement Agreement wir wir wir	\$18,264,078 \$1,639 \$6,751 \$20,562,938 \$2,853,284 \$0 \$0	\$37,840,113 \$1,639 \$6,751 \$23,330,271 \$5,374,203 \$0 \$0	\$19,576,035 \$0 \$0 \$2,767,333 \$2,520,919 \$0 \$0	\$9,141,721 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$6,955,464 \$0 \$0 \$0 \$36,060 \$1,672,200 \$0	\$8,470,887 \$0 \$0 \$0 \$0 \$0 \$10,000	\$6,097,428 \$0 \$0 \$0 \$0 \$0 \$25,000	\$3,720,297 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$3,140,634 \$0 \$0 \$0 \$0 \$0 \$1,863,500	\$37,526,431 \$0 \$0 \$0 \$36,060 \$8,704,900 \$2,590,500	\$75,366,544 \$1,639 \$6,751 \$23,330,271 \$5,410,263 \$8,704,900 \$2,590,500	heights, velocities and channel migration risk in this reach. Project cancelled. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017. Expenditures here include sediment removal, fuel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from recently completed needs assessment (2015). New line items established below to account for discrete project elements. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66.
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP 74 WLFL8 BRISCOE LEVEE SETBACK 75 WLFL8 BRPS BLACK R PUMP STATION 76 WLFL8 BRPS CONTROL BLDG RPLCMT 77 WLFL8 BRPS FISH PASS IMPRVMNTS 78 WLFL8 BRPS HIGH-USE ENGINES	FCD 95% 82% 100% 100% 100%	FCD 77% 36% 72% 72% 72% 72%	wir Agreement Agreement wir wir wir wir	\$18,264,078 \$1,639 \$6,751 \$20,562,938 \$2,853,284 \$0 \$0 \$0	\$37,840,113 \$1,639 \$6,751 \$23,330,271 \$5,374,203 \$0 \$0 \$0	\$19,576,035 \$0 \$0 \$2,767,333 \$2,520,919 \$0 \$0 \$0	\$9,141,721 \$0 \$0 \$0 \$0 \$50,000 \$0 \$252,900	\$6,955,464 \$0 \$0 \$0 \$1,672,200 \$0 \$1,292,500	\$8,470,887 \$0 \$0 \$0 \$0 \$0 \$10,000 \$0	\$6,097,428 \$0 \$0 \$0 \$0 \$0 \$25,000 \$0	\$3,720,297 \$0 \$0 \$0 \$0 \$0 \$0 \$692,000 \$0	\$3,140,634 \$0 \$0 \$0 \$0 \$0 \$1,863,500 \$0	\$37,526,431 \$0 \$0 \$0 \$36,060 \$8,704,900 \$2,590,500 \$1,545,400	\$75,366,544 \$1,639 \$6,751 \$23,330,271 \$5,410,263 \$8,704,900 \$2,590,500 \$1,545,400	heights, velocities and channel migration risk in this reach. Project cancelled. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017. Expenditures here include sediment removal, fuel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from recently completed needs assessment (2015). New line items established below to account for discrete project elements. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66.
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69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP 74 WLFL8 BRISCOE LEVEE SETBACK 75 WLFL8 BRPS BLACK R PUMP STATION 76 WLFL8 BRPS CONTROL BLDG RPLCMT 77 WLFL8 BRPS FISH PASS IMPRVMNTS 78 WLFL8 BRPS HIGH-USE ENGINES	FCD 95% 82% 100% 100% 100%	FCD 77% 36% 72% 72% 72% 72%	wir Agreement Agreement wir wir wir wir	\$18,264,078 \$1,639 \$6,751 \$20,562,938 \$2,853,284 \$0 \$0 \$0	\$37,840,113 \$1,639 \$6,751 \$23,330,271 \$5,374,203 \$0 \$0 \$0	\$19,576,035 \$0 \$0 \$2,767,333 \$2,520,919 \$0 \$0 \$0	\$9,141,721 \$0 \$0 \$0 \$0 \$50,000 \$0 \$252,900	\$6,955,464 \$0 \$0 \$0 \$1,672,200 \$0 \$1,292,500	\$8,470,887 \$0 \$0 \$0 \$0 \$0 \$10,000 \$0	\$6,097,428 \$0 \$0 \$0 \$0 \$0 \$25,000 \$0	\$3,720,297 \$0 \$0 \$0 \$0 \$0 \$0 \$692,000 \$0	\$3,140,634 \$0 \$0 \$0 \$0 \$0 \$1,863,500 \$0	\$37,526,431 \$0 \$0 \$0 \$36,060 \$8,704,900 \$2,590,500 \$1,545,400	\$75,366,544 \$1,639 \$6,751 \$23,330,271 \$5,410,263 \$8,704,900 \$2,590,500 \$1,545,400	heights, velocities and channel migration risk in this reach. Project cancelled. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017. Expenditures here include sediment removal, fuel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from recently completed needs assessment (2015). New line items established below to account for discrete project elements. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. The river is scouring the road away and David Powell Road is collapsing into the river. This project will repair
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP 74 WLFL8 BRISCOE LEVEE SETBACK 75 WLFL8 BRPS BLACK R PUMP STATION 76 WLFL8 BRPS CONTROL BLDG RPLCMT 77 WLFL8 BRPS FISH PASS IMPRVMNTS 78 WLFL8 BRPS HIGH-USE ENGINES	FCD 95% 82% 100% 100% 100%	FCD 77% 36% 72% 72% 72% 72%	wir Agreement Agreement wir wir wir wir	\$18,264,078 \$1,639 \$6,751 \$20,562,938 \$2,853,284 \$0 \$0 \$0	\$37,840,113 \$1,639 \$6,751 \$23,330,271 \$5,374,203 \$0 \$0 \$0	\$19,576,035 \$0 \$0 \$2,767,333 \$2,520,919 \$0 \$0 \$0	\$9,141,721 \$0 \$0 \$0 \$0 \$50,000 \$0 \$252,900	\$6,955,464 \$0 \$0 \$0 \$1,672,200 \$0 \$1,292,500	\$8,470,887 \$0 \$0 \$0 \$0 \$0 \$10,000 \$0	\$6,097,428 \$0 \$0 \$0 \$0 \$0 \$25,000 \$0	\$3,720,297 \$0 \$0 \$0 \$0 \$0 \$0 \$692,000 \$0	\$3,140,634 \$0 \$0 \$0 \$0 \$0 \$1,863,500 \$0	\$37,526,431 \$0 \$0 \$0 \$36,060 \$8,704,900 \$2,590,500 \$1,545,400	\$75,366,544 \$1,639 \$6,751 \$23,330,271 \$5,410,263 \$8,704,900 \$2,590,500 \$1,545,400	heights, velocities and channel migration risk in this reach. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017. Expenditures here include sediment removal, fuel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from recently completed needs assessment (2015). New line items established below to account for discrete project elements. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. The river is scouring the road away and David Powell Road is collapsing into the river. This project will repair an existing failing revetment and extend MSE wall to prevent undercutting of the riverbank and roadway.
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP 74 WLFL8 BRISCOE LEVEE SETBACK 75 WLFL8 BRPS BLACK R PUMP STATION 76 WLFL8 BRPS CONTROL BLDG RPLCMT 77 WLFL8 BRPS FISH PASS IMPRVMNTS 78 WLFL8 BRPS HIGH-USE ENGINES 79 WLFL8 BRPS SUPPORT SYS UPGRADES	FCD 95% 82% 100% 100% 100% 100%	FCD 77% 36% 72% 72% 72% 72% 72%	wir Agreement Agreement wir wir wir wir wir wir	\$18,264,078 \$1,639 \$6,751 \$20,562,938 \$2,853,284 \$0 \$0 \$0	\$37,840,113 \$1,639 \$6,751 \$23,330,271 \$5,374,203 \$0 \$0 \$0	\$19,576,035 \$0 \$0 \$2,767,333 \$2,520,919 \$0 \$0 \$0	\$9,141,721 \$0 \$0 \$0 \$0 \$50,000 \$0 \$252,900 \$0	\$6,955,464 \$0 \$0 \$0 \$36,060 \$1,672,200 \$0 \$1,292,500 \$50,000	\$8,470,887 \$0 \$0 \$0 \$0 \$6,982,700 \$10,000 \$0 \$147,200	\$6,097,428 \$0 \$0 \$0 \$0 \$0 \$25,000 \$0 \$646,400	\$3,720,297 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$3,140,634 \$0 \$0 \$0 \$0 \$0 \$1,863,500 \$0	\$37,526,431 \$0 \$0 \$0 \$0 \$36,060 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250	\$75,366,544 \$1,639 \$6,751 \$23,330,271 \$5,410,263 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250	heights, velocities and channel migration risk in this reach. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017. Expenditures here include sediment removal, fuel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from recently completed needs assessment (2015). New line items established below to account for discrete project elements. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. The river is scouring the road away and David Powell Road is collapsing into the river. This project will repair an existing failing revetment and extend MSE wall to prevent undercutting of the riverbank and roadway. Regional flooding in the Snoqualmie Valley cuts off access to eastern cities. Determine which major
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP 74 WLFL8 BRISCOE LEVEE SETBACK 75 WLFL8 BRPS BLACK R PUMP STATION 76 WLFL8 BRPS CONTROL BLDG RPLCMT 77 WLFL8 BRPS FISH PASS IMPRVMNTS 78 WLFL8 BRPS HIGH-USE ENGINES 79 WLFL8 BRPS SUPPORT SYS UPGRADES 80 WLFL8 PATTON BRIDGE 3015	FCD 95% 82% 100% 100% 100% 100% FCD	FCD 77% 36% 72% 72% 72% 72% 72%	wir Agreement Agreement Wir Wir Wir Wir Wir Wir	\$18,264,078 \$1,639 \$6,751 \$20,562,938 \$2,853,284 \$0 \$0 \$0 \$0	\$37,840,113 \$1,639 \$6,751 \$23,330,271 \$5,374,203 \$0 \$0 \$0 \$0	\$19,576,035 \$0 \$0 \$2,767,333 \$2,520,919 \$0 \$0 \$0 \$0	\$9,141,721 \$0 \$0 \$0 \$0 \$50,000 \$0 \$252,900 \$0 \$150,000	\$6,955,464 \$0 \$0 \$0 \$36,060 \$1,672,200 \$0 \$1,292,500 \$50,000	\$8,470,887 \$0 \$0 \$0 \$6,982,700 \$10,000 \$147,200	\$6,097,428 \$0 \$0 \$0 \$0 \$0 \$25,000 \$646,400	\$3,720,297 \$0 \$0 \$0 \$0 \$0 \$0 \$692,000 \$0 \$597,650	\$3,140,634 \$0 \$0 \$0 \$0 \$0 \$1,863,500 \$0 \$0	\$37,526,431 \$0 \$0 \$0 \$0 \$36,060 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000	\$75,366,544 \$1,639 \$6,751 \$23,330,271 \$5,410,263 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250	heights, velocities and channel migration risk in this reach. Project cancelled. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017. Expenditures here include sediment removal, fuel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from recently completed needs assessment (2015). New line items established below to account for discrete project elements. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. The river is scouring the road away and David Powell Road is collapsing into the river. This project will repair an existing failing revetment and extend MSE wall to prevent undercutting of the riverbank and roadway. Regional flooding in the Snoqualmie Valley cuts off access to eastern cities. Determine which major roadway(s) that cross the Snoqualmie Valley would be the most cost effective to improve in the valley with
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP 74 WLFL8 BRISCOE LEVEE SETBACK 75 WLFL8 BRPS BLACK R PUMP STATION 76 WLFL8 BRPS CONTROL BLDG RPLCMT 77 WLFL8 BRPS FISH PASS IMPRVMNTS 78 WLFL8 BRPS HIGH-USE ENGINES 79 WLFL8 BRPS SUPPORT SYS UPGRADES	FCD 95% 82% 100% 100% 100% 100%	FCD 77% 36% 72% 72% 72% 72% 72%	wir Agreement Agreement wir wir wir wir wir wir	\$18,264,078 \$1,639 \$6,751 \$20,562,938 \$2,853,284 \$0 \$0 \$0	\$37,840,113 \$1,639 \$6,751 \$23,330,271 \$5,374,203 \$0 \$0 \$0	\$19,576,035 \$0 \$0 \$2,767,333 \$2,520,919 \$0 \$0 \$0	\$9,141,721 \$0 \$0 \$0 \$0 \$50,000 \$0 \$252,900 \$0	\$6,955,464 \$0 \$0 \$0 \$36,060 \$1,672,200 \$0 \$1,292,500 \$50,000	\$8,470,887 \$0 \$0 \$0 \$0 \$6,982,700 \$10,000 \$0 \$147,200	\$6,097,428 \$0 \$0 \$0 \$0 \$0 \$0 \$25,000 \$0 \$646,400	\$3,720,297 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$3,140,634 \$0 \$0 \$0 \$0 \$0 \$1,863,500 \$0	\$37,526,431 \$0 \$0 \$0 \$0 \$36,060 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250	\$75,366,544 \$1,639 \$6,751 \$23,330,271 \$5,410,263 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250	heights, velocities and channel migration risk in this reach. Project cancelled. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017. Expenditures here include sediment removal, fuel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from recently completed needs assessment (2015). New line items established below to account for discrete project elements. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. The river is scouring the road away and David Powell Road is collapsing into the river. This project will repair an existing failing revetment and extend MSE wall to prevent undercutting of the riverbank and roadway. Regional flooding in the Snoqualmie Valley cuts off access to eastern cities. Determine which major roadway(s) that cross the Snoqualmie Valley would be the most cost effective to improve in the valley with chronic flood issues impacting over 25,000 daily drivers.
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP 74 WLFL8 BRISCOE LEVEE SETBACK 75 WLFL8 BRPS BLACK R PUMP STATION 76 WLFL8 BRPS CONTROL BLDG RPLCMT 77 WLFL8 BRPS FISH PASS IMPRVMNTS 78 WLFL8 BRPS HIGH-USE ENGINES 79 WLFL8 BRPS SUPPORT SYS UPGRADES 80 WLFL8 PATTON BRIDGE 3015	FCD 95% 82% 100% 100% 100% 100% FCD	FCD 77% 36% 72% 72% 72% 72% 72%	wir Agreement Agreement Wir Wir Wir Wir Wir Wir	\$18,264,078 \$1,639 \$6,751 \$20,562,938 \$2,853,284 \$0 \$0 \$0 \$0	\$37,840,113 \$1,639 \$6,751 \$23,330,271 \$5,374,203 \$0 \$0 \$0 \$0	\$19,576,035 \$0 \$0 \$2,767,333 \$2,520,919 \$0 \$0 \$0 \$0	\$9,141,721 \$0 \$0 \$0 \$0 \$50,000 \$0 \$252,900 \$0 \$150,000	\$6,955,464 \$0 \$0 \$0 \$36,060 \$1,672,200 \$0 \$1,292,500 \$50,000	\$8,470,887 \$0 \$0 \$0 \$6,982,700 \$10,000 \$147,200	\$6,097,428 \$0 \$0 \$0 \$0 \$0 \$25,000 \$646,400	\$3,720,297 \$0 \$0 \$0 \$0 \$0 \$0 \$692,000 \$0 \$597,650	\$3,140,634 \$0 \$0 \$0 \$0 \$0 \$1,863,500 \$0 \$0	\$37,526,431 \$0 \$0 \$0 \$0 \$36,060 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000	\$75,366,544 \$1,639 \$6,751 \$23,330,271 \$5,410,263 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250	heights, velocities and channel migration risk in this reach. Project cancelled. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017. Expenditures here include sediment removal, fuel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from recently completed needs assessment (2015). New line items established below to account for discrete project elements. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. Regional flooding in the road away and David Powell Road is collapsing into the river. This project will repair an existing failing revetment and extend MSE wall to prevent undercutting of the riverbank and roadway. Regional flooding in the Snoqualmie Valley cuts off access to eastern cities. Determine which major roadway(s) that cross the Snoqualmie Valley would be the most cost effective to improve in the valley with chronic flood issues impacting over 25,000 daily drivers. These two bridges are subject to having the roadway approach fill wash out during a flood. Excavate
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP 74 WLFL8 BRISCOF LEVEE SETBACK 75 WLFL8 BRPS BLACK R PUMP STATION 76 WLFL8 BRPS CONTROL BLDG RPLCMT 77 WLFL8 BRPS FISH PASS IMPRVMNTS 78 WLFL8 BRPS HIGH-USE ENGINES 79 WLFL8 BRPS SUPPORT SYS UPGRADES 80 WLFL8 PATTON BRIDGE 3015 81 WLFL8 SE 380 PL AT SR 164	FCD 95% 82% 100% 100% 100% 100% FCD	FCD 77% 36% 72% 72% 72% 72% 72% FCD	wir Agreement Agreement wir wir wir wir wir wir wir wir	\$18,264,078 \$1,639 \$6,751 \$20,562,938 \$2,853,284 \$0 \$0 \$0 \$0	\$37,840,113 \$1,639 \$6,751 \$23,330,271 \$5,374,203 \$0 \$0 \$0 \$0	\$19,576,035 \$0 \$0 \$0 \$2,767,333 \$2,520,919 \$0 \$0 \$0 \$0 \$0	\$9,141,721 \$0 \$0 \$0 \$0 \$50,000 \$0 \$252,900 \$0 \$150,000	\$6,955,464 \$0 \$0 \$0 \$36,060 \$1,672,200 \$0 \$1,292,500 \$50,000	\$8,470,887 \$0 \$0 \$0 \$0 \$0 \$10,000 \$147,200 \$100,000	\$6,097,428 \$0 \$0 \$0 \$0 \$0 \$25,000 \$0 \$646,400 \$0	\$3,720,297 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$692,000 \$0 \$597,650 \$0	\$3,140,634 \$0 \$0 \$0 \$0 \$0 \$1,863,500 \$0 \$0	\$37,526,431 \$0 \$0 \$0 \$36,060 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000	\$75,366,544 \$1,639 \$6,751 \$23,330,271 \$5,410,263 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000	Project cancelled. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017. Expenditures here include sediment removal, fuel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from recently completed needs assessment (2015). New line items established below to account for discrete project elements. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. The river is scouring the road away and David Powell Road is collapsing into the river. This project will repair an existing failing revetment and extend MSE wall to prevent undercutting of the riverbank and roadway. Regional flooding in the Snoqualmie Valley cuts off access to eastern cities. Determine which major roadway(s) that cross the Snoqualmie Valley would be the most cost effective to improve in the valley with chronic flood issues impacting over 25,000 daily drivers. These two bridges are subject to having the roadway approaches during flooding. A similar repair was done
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP 74 WLFL8 BRISCOE LEVEE SETBACK 75 WLFL8 BRPS BLACK R PUMP STATION 76 WLFL8 BRPS CONTROL BLDG RPLCMT 77 WLFL8 BRPS FISH PASS IMPRVMNTS 78 WLFL8 BRPS HIGH-USE ENGINES 79 WLFL8 BRPS SUPPORT SYS UPGRADES 80 WLFL8 PATTON BRIDGE 3015	FCD 95% 82% 100% 100% 100% 100% FCD	FCD 77% 36% 72% 72% 72% 72% 72%	wir Agreement Agreement Wir Wir Wir Wir Wir Wir	\$18,264,078 \$1,639 \$6,751 \$20,562,938 \$2,853,284 \$0 \$0 \$0 \$0	\$37,840,113 \$1,639 \$6,751 \$23,330,271 \$5,374,203 \$0 \$0 \$0 \$0	\$19,576,035 \$0 \$0 \$2,767,333 \$2,520,919 \$0 \$0 \$0 \$0	\$9,141,721 \$0 \$0 \$0 \$0 \$50,000 \$0 \$252,900 \$0 \$150,000	\$6,955,464 \$0 \$0 \$0 \$36,060 \$1,672,200 \$0 \$1,292,500 \$50,000	\$8,470,887 \$0 \$0 \$0 \$6,982,700 \$10,000 \$147,200	\$6,097,428 \$0 \$0 \$0 \$0 \$0 \$25,000 \$646,400	\$3,720,297 \$0 \$0 \$0 \$0 \$0 \$0 \$692,000 \$0 \$597,650	\$3,140,634 \$0 \$0 \$0 \$0 \$0 \$1,863,500 \$0 \$0	\$37,526,431 \$0 \$0 \$0 \$0 \$36,060 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000	\$75,366,544 \$1,639 \$6,751 \$23,330,271 \$5,410,263 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000	heights, velocities and channel migration risk in this reach. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017. Expenditures here include sediment removal, fuel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from recently completed needs assessment (2015). New line items established below to account for discrete project elements. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. The river is scouring the road away and David Powell Road is collapsing into the river. This project will repair an existing failing revetment and extend MSE wall to prevent undercutting of the riverbank and roadway. Regional flooding in the Snoqualmie Valley cuts off access to eastern cities. Determine which major roadway(s) that cross the Snoqualmie Valley would be the most cost effective to improve in the valley with chronic flood issues impacting over 25,000 daily drivers. These two bridges are subject to having the roadway approaches during flooding. A similar repair was done on Woodinville-Duvall Bridge No. 1136D.
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP 74 WLFL8 BRISCOE LEVEE SETBACK 75 WLFL8 BRPS BLACK R PUMP STATION 76 WLFL8 BRPS CONTROL BLDG RPLCMT 77 WLFL8 BRPS FISH PASS IMPRVMNTS 78 WLFL8 BRPS HIGH-USE ENGINES 79 WLFL8 BRPS SUPPORT SYS UPGRADES 80 WLFL8 PATTON BRIDGE 3015 81 WLFL8 SE 380 PL AT SR 164 82 WLFL8 SE 384 ST @ 176 AVE SE	FCD 95% 82% 100% 100% 100% 100% FCD	FCD 77% 36% 72% 72% 72% 72% 72% FCD	wir Agreement Agreement wir wir wir wir wir wir wir wir	\$18,264,078 \$1,639 \$6,751 \$20,562,938 \$2,853,284 \$0 \$0 \$0 \$0	\$37,840,113 \$1,639 \$6,751 \$23,330,271 \$5,374,203 \$0 \$0 \$0 \$0	\$19,576,035 \$0 \$0 \$0 \$2,767,333 \$2,520,919 \$0 \$0 \$0 \$0 \$0	\$9,141,721 \$0 \$0 \$0 \$0 \$50,000 \$0 \$252,900 \$0 \$150,000 \$0	\$6,955,464 \$0 \$0 \$0 \$36,060 \$1,672,200 \$0 \$1,292,500 \$50,000	\$8,470,887 \$0 \$0 \$0 \$6,982,700 \$10,000 \$147,200 \$0	\$6,097,428 \$0 \$0 \$0 \$0 \$25,000 \$646,400 \$0 \$400,000	\$3,720,297 \$0 \$0 \$0 \$0 \$0 \$0 \$692,000 \$0 \$597,650 \$0 \$100,000	\$3,140,634 \$0 \$0 \$0 \$0 \$0 \$1,863,500 \$0 \$0 \$0 \$0	\$37,526,431 \$0 \$0 \$0 \$36,060 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000 \$150,000	\$75,366,544 \$1,639 \$6,751 \$23,330,271 \$5,410,263 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000	Project cancelled. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017. Expenditures here include sediment removal, fuel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from recently completed needs assessment (2015). New line items established below to account for discrete project elements. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. The river is scouring the road away and David Powell Road is collapsing into the river. This project will repair an existing failing revetment and extend MSE wall to prevent undercutting of the riverbank and roadway. Regional flooding in the Snoqualmie Valley cuts off access to eastern cities. Determine which major roadway(s) that cross the Snoqualmie Valley would be the most cost effective to improve in the valley with chronic flood issues impacting over 25,000 daily drivers. These two bridges are subject to having the roadway approaches during flooding. A similar repair was done
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP 74 WLFL8 BRISCOF LEVEE SETBACK 75 WLFL8 BRPS BLACK R PUMP STATION 76 WLFL8 BRPS CONTROL BLDG RPLCMT 77 WLFL8 BRPS FISH PASS IMPRVMNTS 78 WLFL8 BRPS HIGH-USE ENGINES 79 WLFL8 BRPS SUPPORT SYS UPGRADES 80 WLFL8 PATTON BRIDGE 3015 81 WLFL8 SE 380 PL AT SR 164	FCD 95% 82% 100% 100% 100% 100% FCD FCD	FCD 77% 36% 72% 72% 72% 72% FCD	wir Agreement Agreement wir wir wir wir wir wir wir wir	\$18,264,078 \$1,639 \$6,751 \$20,562,938 \$2,853,284 \$0 \$0 \$0 \$0	\$37,840,113 \$1,639 \$6,751 \$23,330,271 \$5,374,203 \$0 \$0 \$0 \$0	\$19,576,035 \$0 \$0 \$2,767,333 \$2,520,919 \$0 \$0 \$0 \$0 \$0	\$9,141,721 \$0 \$0 \$0 \$0 \$50,000 \$0 \$252,900 \$0 \$150,000	\$6,955,464 \$0 \$0 \$36,060 \$1,672,200 \$0 \$1,292,500 \$50,000 \$0 \$90,000	\$8,470,887 \$0 \$0 \$0 \$0 \$0 \$10,000 \$147,200 \$100,000	\$6,097,428 \$0 \$0 \$0 \$0 \$0 \$25,000 \$0 \$646,400 \$0	\$3,720,297 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$692,000 \$0 \$597,650 \$0	\$3,140,634 \$0 \$0 \$0 \$0 \$0 \$1,863,500 \$0 \$0	\$37,526,431 \$0 \$0 \$0 \$36,060 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000	\$75,366,544 \$1,639 \$6,751 \$23,330,271 \$5,410,263 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000 \$150,000 \$1,731,845	Project cancelled. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017. Expenditures here include sediment removal, fuel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from recently completed needs assessment (2015). New line items established below to account for discrete project elements. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. The river is scouring the road away and David Powell Road is collapsing into the river. This project will repair an existing failing revetment and extend MSE wall to prevent undercutting of the riverbank and roadway. Regional flooding in the Snoqualmie Valley cuts off access to eastern cities. Determine which major roadway(s) that cross the Snoqualmie Valley would be the most cost effective to improve in the valley with chronic flood issues impacting over 25,000 daily drivers. These two bridges are subject to having the roadway approach fill wash out during a flood. Excavate approaches and rebuild approaches to prevent loosing approaches during flooding. A similar repair was done on Woodinville-Duvall Bridge No. 1136D. Cost-share flood damage repair from March 2014 high flows with Corps of Engineers. Construction in 2016.
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP 74 WLFL8 BRISCOE LEVEE SETBACK 75 WLFL8 BRPS BLACK R PUMP STATION 76 WLFL8 BRPS CONTROL BLDG RPLCMT 77 WLFL8 BRPS FISH PASS IMPRVMNTS 78 WLFL8 BRPS HIGH-USE ENGINES 79 WLFL8 BRPS SUPPORT SYS UPGRADES 80 WLFL8 PATTON BRIDGE 3015 81 WLFL8 SE 380 PL AT SR 164 82 WLFL8 SE 384 ST @ 176 AVE SE	FCD 95% 82% 100% 100% 100% 100% FCD FCD	FCD 77% 36% 72% 72% 72% 72% FCD	wir Agreement Agreement wir wir wir wir wir wir wir wir	\$18,264,078 \$1,639 \$6,751 \$20,562,938 \$2,853,284 \$0 \$0 \$0 \$0	\$37,840,113 \$1,639 \$6,751 \$23,330,271 \$5,374,203 \$0 \$0 \$0 \$0	\$19,576,035 \$0 \$0 \$2,767,333 \$2,520,919 \$0 \$0 \$0 \$0 \$0	\$9,141,721 \$0 \$0 \$0 \$0 \$50,000 \$0 \$252,900 \$0 \$150,000 \$0	\$6,955,464 \$0 \$0 \$36,060 \$1,672,200 \$0 \$1,292,500 \$50,000 \$0 \$90,000	\$8,470,887 \$0 \$0 \$0 \$0 \$6,982,700 \$10,000 \$147,200 \$0	\$6,097,428 \$0 \$0 \$0 \$0 \$25,000 \$646,400 \$0 \$400,000	\$3,720,297 \$0 \$0 \$0 \$0 \$0 \$0 \$692,000 \$0 \$597,650 \$0 \$100,000	\$3,140,634 \$0 \$0 \$0 \$0 \$0 \$1,863,500 \$0 \$0 \$0 \$0	\$37,526,431 \$0 \$0 \$0 \$36,060 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000 \$150,000	\$75,366,544 \$1,639 \$6,751 \$23,330,271 \$5,410,263 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000 \$150,000 \$1,731,845	heights, velocities and channel migration risk in this reach. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017. Expenditures here include sediment removal, fuel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from recently completed needs assessment (2015). New line items established below to account for discrete project elements. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. The river is scouring the road away and David Powell Road is collapsing into the river. This project will repair an existing failing revetment and extend MSE wall to prevent undercutting of the riverbank and roadway. Regional flooding in the Snoqualmie Valley cuts off access to eastern cities. Determine which major roadway(s) that cross the Snoqualmie Valley would be the most cost effective to improve in the valley with chronic flood issues impacting over 25,000 daily drivers. These two bridges are subject to having the roadway approaches during flooding. A similar repair was done on Woodinville-Duvall Bridge No. 1136D.
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69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP 74 WLFL8 BRISCOE LEVEE SETBACK 75 WLFL8 BRPS BLACK R PUMP STATION 76 WLFL8 BRPS CONTROL BLDG RPLCMT 77 WLFL8 BRPS FISH PASS IMPRVMNTS 78 WLFL8 BRPS HIGH-USE ENGINES 79 WLFL8 BRPS SUPPORT SYS UPGRADES 80 WLFL8 PATTON BRIDGE 3015 81 WLFL8 SE 380 PL AT SR 164 82 WLFL8 SE 384 ST @ 176 AVE SE 83 WLFL8 DESIMONE USACE 2015	FCD 95% 82% 100% 100% 100% 100% FCD FCD 100%	FCD 77% 36% 72% 72% 72% 72% FCD FCD FCD N/A	wir Agreement Agreement wir wir wir wir wir wir wir wir wir wi	\$18,264,078 \$1,639 \$6,751 \$20,562,938 \$2,853,284 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$37,840,113 \$1,639 \$6,751 \$23,330,271 \$5,374,203 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$19,576,035 \$0 \$0 \$0 \$2,767,333 \$2,520,919 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$9,141,721 \$0 \$0 \$0 \$0 \$50,000 \$0 \$252,900 \$0 \$150,000 \$0 \$150,000 \$0 \$0 \$150,000	\$6,955,464 \$0 \$0 \$36,060 \$1,672,200 \$0 \$1,292,500 \$50,000 \$0 \$90,000 \$0 \$1,768	\$8,470,887 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$100,000 \$0 \$100,000 \$0 \$0 \$0 \$0	\$6,097,428 \$0 \$0 \$0 \$0 \$25,000 \$646,400 \$0 \$400,000 \$0 \$0	\$3,720,297 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$692,000 \$0 \$597,650 \$0 \$100,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$3,140,634 \$0 \$0 \$0 \$0 \$0 \$1,863,500 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$37,526,431 \$0 \$0 \$0 \$0 \$36,060 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000 \$690,000 \$63,620 (\$1,293,300)	\$75,366,544 \$1,639 \$6,751 \$23,330,271 \$5,410,263 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000 \$150,000 \$1731,845	Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017. Expenditures here include sediment removal, fuel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from recently completed needs assessment (2015). New line items established below to account for discrete project elements. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. The river is scouring the road away and David Powell Road is collapsing into the river. This project will repair an existing failing revetment and extend MSE wall to prevent undercutting of the riverbank and roadway. Regional flooding in the Snoqualmie Valley cuts off access to eastern cities. Determine which major roadway(s) that cross the Snoqualmie Valley would be the most cost effective to improve in the valley with chronic flood issues impacting over 25,000 daily drivers. These two bridges are subject to having the roadway approach fill wash out during a flood. Excavate approaches and rebuild approaches to prevent loosing approaches during flooding. A similar repair was done on Woodinville-Duvall Bridge No. 1136D. Cost-share flood damage repair from March 2014 high flows with Corps of Engineers. Construction in 2016. This project will result in actions to mitigate environmental damage from tree cutting during 2008-9 (as
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP 74 WLFL8 BRISCOE LEVEE SETBACK 75 WLFL8 BRPS BLACK R PUMP STATION 76 WLFL8 BRPS CONTROL BLDG RPLCMT 77 WLFL8 BRPS FISH PASS IMPRVMNTS 78 WLFL8 BRPS HIGH-USE ENGINES 79 WLFL8 BRPS SUPPORT SYS UPGRADES 80 WLFL8 PATTON BRIDGE 3015 81 WLFL8 SE 380 PL AT SR 164 82 WLFL8 SE 384 ST @ 176 AVE SE 83 WLFL8 DESIMONE USACE 2015 84 WLFL8 GREEN R PL84-99 MITIGATN	FCD 95% 82% 100% 100% 100% 100% FCD FCD 100%	FCD 77% 36% 72% 72% 72% FCD FCD N/A N/A 72%	wir Agreement Agreement wir wir wir wir wir wir wir wir wir wi	\$18,264,078 \$1,639 \$6,751 \$20,562,938 \$2,853,284 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,668,225 \$54,427	\$37,840,113 \$1,639 \$6,751 \$23,330,271 \$5,374,203 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$19,576,035 \$0 \$0 \$0 \$2,767,333 \$2,520,919 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$9,141,721 \$0 \$0 \$0 \$0 \$0 \$50,000 \$0 \$252,900 \$0 \$150,000 \$0 \$150,000 \$0 \$150,000 \$0 \$0 \$150,000	\$6,955,464 \$0 \$0 \$0 \$36,060 \$1,672,200 \$0 \$1,292,500 \$50,000 \$0 \$1,768	\$8,470,887 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$100,000 \$0 \$100,000 \$0 \$100,000	\$6,097,428 \$0 \$0 \$0 \$0 \$0 \$25,000 \$0 \$646,400 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$3,720,297 \$0 \$0 \$0 \$0 \$0 \$0 \$692,000 \$0 \$597,650 \$0 \$100,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$3,140,634 \$0 \$0 \$0 \$0 \$0 \$1,863,500 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$37,526,431 \$0 \$0 \$0 \$0 \$36,060 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000 \$690,000 \$63,620 (\$1,293,300)	\$75,366,544 \$1,639 \$6,751 \$23,330,271 \$5,410,263 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000 \$150,000 \$1731,845 \$706,700	Project cancelled. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017. Expenditures here include sediment removal, fuel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from recently completed needs assessment (2015). New line items established below to account for discrete project elements. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. The river is scouring the road away and David Powell Road is collapsing into the river. This project will repair an existing failing revetment and extend MSE wall to prevent undercutting of the riverbank and roadway. Regional flooding in the Snoqualmie Valley cuts off access to eastern cities. Determine which major roadway(s) that cross the Snoqualmie Valley would be the most cost effective to improve in the valley with chronic flood issues impacting over 25,000 daily drivers. These two bridges are subject to having the roadway approaches during flooding. A similar repair was done on Woodinville-Duvall Bridge No. 1136D. Cost-share flood damage repair from March 2014 high flows with Corps of Engineers. Construction in 2016. This project will result in actions to mitigate environmental damage from tree cutting during 2008-9 (as required by permitting agencies) to maintain eligibility for US Army Corps of Engineers PL84-99 program.
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP 74 WLFL8 BRISCOE LEVEE SETBACK 75 WLFL8 BRPS BLACK R PUMP STATION 76 WLFL8 BRPS CONTROL BLDG RPLCMT 77 WLFL8 BRPS FISH PASS IMPRVMNTS 78 WLFL8 BRPS HIGH-USE ENGINES 79 WLFL8 BRPS SUPPORT SYS UPGRADES 80 WLFL8 PATTON BRIDGE 3015 81 WLFL8 SE 380 PL AT SR 164 82 WLFL8 SE 384 ST @ 176 AVE SE 83 WLFL8 DESIMONE USACE 2015 84 WLFL8 DYKSTRA USACE 2015	FCD 95% 82% 100% 100% 100% 100% FCD FCD 100% 100%	FCD 77% 36% 72% 72% 72% FCD FCD N/A N/A 72% 41%	wir Agreement Agreement wir wir wir wir wir wir wir wir wir wi	\$18,264,078 \$1,639 \$6,751 \$20,562,938 \$2,853,284 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,668,225 \$54,427 \$3,347,684 \$90,180	\$37,840,113 \$1,639 \$6,751 \$23,330,271 \$5,374,203 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$19,576,035 \$0 \$0 \$0 \$2,767,333 \$2,520,919 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$9,141,721 \$0 \$0 \$0 \$0 \$0 \$50,000 \$0 \$252,900 \$0 \$150,000 \$0 \$150,000 \$0 \$1,295,068) \$981,430 \$1,755,000	\$6,955,464 \$0 \$0 \$0 \$36,060 \$1,672,200 \$0 \$1,292,500 \$50,000 \$0 \$1,768	\$8,470,887 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$100,000 \$0 \$100,000 \$0 \$100,000 \$0 \$0 \$100,000	\$6,097,428 \$0 \$0 \$0 \$0 \$0 \$25,000 \$0 \$400,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$3,720,297 \$0 \$0 \$0 \$0 \$0 \$0 \$692,000 \$0 \$597,650 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$3,140,634 \$0 \$0 \$0 \$0 \$0 \$0 \$1,863,500 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$37,526,431 \$0 \$0 \$0 \$0 \$36,060 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000 \$690,000 \$63,620 (\$1,293,300) \$1,481,430 \$5,616,500	\$75,366,544 \$1,639 \$6,751 \$23,330,271 \$5,410,263 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000 \$1731,845 \$706,700 \$5,543,987 \$8,212,220	heights, velocities and channel migration risk in this reach. Project cancelled. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017. Expenditures here include sediment removal, fuel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from recently completed needs assessment (2015). New line items established below to account for discrete project elements. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. The river is scouring the road away and David Powell Road is collapsing into the river. This project will repair an existing failing revetment and extend MSE wall to prevent undercutting of the riverbank and roadway. Regional flooding in the Snoqualmie Valley cuts off access to eastern cities. Determine which major roadway(s) that cross the Snoqualmie Valley would be the most cost effective to improve in the valley with chronic flood issues impacting over 25,000 daily drivers. These two bridges are subject to having the roadway approach fill wash out during a flood. Excavate approaches and rebuild approaches to prevent loosing approaches during flooding. A similar repair was done on Woodinville-Duvall Bridge No. 1136D. Cost-share flood damage repair from March 2014 high flows with Corps of Engineers. Construction in 2016. This project will result in actions to mitigate environmental damage from tree cutting during 2008-9 (as required by permitting agencies) to maintain eligibility for US Army Corps of Engineers PL84-99 program.
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP 74 WLFL8 BRISCOE LEVEE SETBACK 75 WLFL8 BRPS BLACK R PUMP STATION 76 WLFL8 BRPS CONTROL BLDG RPLCMT 77 WLFL8 BRPS FISH PASS IMPRVMNTS 78 WLFL8 BRPS HIGH-USE ENGINES 79 WLFL8 BRPS SUPPORT SYS UPGRADES 80 WLFL8 PATTON BRIDGE 3015 81 WLFL8 SE 380 PL AT SR 164 82 WLFL8 SE 384 ST @ 176 AVE SE 83 WLFL8 DESIMONE USACE 2015 84 WLFL8 GREEN R PL84-99 MITIGATN	FCD 95% 82% 100% 100% 100% 100% FCD FCD 100%	FCD 77% 36% 72% 72% 72% FCD FCD FCD N/A N/A 72% 41% FCD	wir Agreement Agreement wir wir wir wir wir wir wir wir wir wi	\$18,264,078 \$1,639 \$6,751 \$20,562,938 \$2,853,284 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,668,225 \$54,427	\$37,840,113 \$1,639 \$6,751 \$23,330,271 \$5,374,203 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$19,576,035 \$0 \$0 \$0 \$2,767,333 \$2,520,919 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$9,141,721 \$0 \$0 \$0 \$0 \$0 \$50,000 \$0 \$252,900 \$0 \$150,000 \$0 \$150,000 \$0 \$150,000 \$0 \$0 \$150,000	\$6,955,464 \$0 \$0 \$0 \$36,060 \$1,672,200 \$0 \$1,292,500 \$50,000 \$0 \$1,768	\$8,470,887 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$147,200 \$100,000 \$0 \$100,000 \$0 \$100,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$6,097,428 \$0 \$0 \$0 \$0 \$0 \$25,000 \$0 \$646,400 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$3,720,297 \$0 \$0 \$0 \$0 \$0 \$0 \$692,000 \$0 \$597,650 \$0 \$100,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$3,140,634 \$0 \$0 \$0 \$0 \$0 \$0 \$1,863,500 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$37,526,431 \$0 \$0 \$0 \$0 \$36,060 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000 \$690,000 \$63,620 (\$1,293,300)	\$75,366,544 \$1,639 \$6,751 \$23,330,271 \$5,410,263 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000 \$1731,845 \$706,700 \$5,543,987 \$8,212,220 \$400,000	Project cancelled. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017. Expenditures here include sediment removal, fuel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from recently completed needs assessment (2015). New line items established below to account for discrete project elements. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. The river is scouring the road away and David Powell Road is collapsing into the river. This project will repair an existing failing revetment and extend MSE wall to prevent undercutting of the riverbank and roadway. Regional flooding in the Snoqualmie Valley cuts off access to eastern cities. Determine which major roadway(s) that cross the Snoqualmie Valley would be the most cost effective to improve in the valley with chronic flood issues impacting over 25,000 daily drivers. These two bridges are subject to having the roadway approaches during flooding. A similar repair was done on Woodinville-Duvall Bridge No. 1136D. Cost-share flood damage repair from March 2014 high flows with Corps of Engineers. Construction in 2016. This project will result in actions to mitigate environmental damage from tree cutting during 2008-9 (as required by permitting agencies) to maintain eligibility for US Army Corps of Engineers PL84-99 program.
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69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP 74 WLFL8 BRISCOE LEVEE SETBACK 75 WLFL8 BRPS BLACK R PUMP STATION 76 WLFL8 BRPS CONTROL BLDG RPLCMT 77 WLFL8 BRPS FISH PASS IMPRVMNTS 78 WLFL8 BRPS HIGH-USE ENGINES 79 WLFL8 BRPS SUPPORT SYS UPGRADES 80 WLFL8 BRPS SUPPORT SYS UPGRADES 81 WLFL8 PATTON BRIDGE 3015 81 WLFL8 SE 384 ST @ 176 AVE SE 83 WLFL8 DESIMONE USACE 2015 84 WLFL8 DYKSTRA USACE 2015 85 WLFL8 GREEN R PL84-99 MITIGATN 86 WLFL8 HSB BREDA SETBACK 87 WLFL8 HSB BREDA SETBACK	FCD 95% 82% 100% 100% 100% 100% 100% 100% 100% FCD FCD 100% 100% 100%	FCD 77% 36% 72% 72% 72% FCD FCD FCD N/A N/A 72% 41% FCD	wir Agreement Agreement wir wir wir wir wir wir wir wir wir wi	\$18,264,078 \$1,639 \$6,751 \$20,562,938 \$2,853,284 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,668,225 \$54,427 \$3,347,684 \$90,180 \$0	\$37,840,113 \$1,639 \$6,751 \$23,330,271 \$5,374,203 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$19,576,035 \$0 \$0 \$0 \$0 \$2,767,333 \$2,520,919 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$9,141,721 \$0 \$0 \$0 \$0 \$0 \$50,000 \$0 \$252,900 \$0 \$150,000 \$0 \$150,000 \$0 \$1,295,068 \$981,430 \$1,755,000 \$400,000	\$6,955,464 \$0 \$0 \$36,060 \$1,672,200 \$0 \$1,292,500 \$50,000 \$0 \$1,768	\$8,470,887 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$147,200 \$100,000 \$0 \$100,000 \$0 \$100,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$6,097,428 \$0 \$0 \$0 \$0 \$0 \$0 \$25,000 \$646,400 \$0 \$0 \$400,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$3,720,297 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$692,000 \$0 \$597,650 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$3,140,634 \$0 \$0 \$0 \$0 \$0 \$0 \$1,863,500 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$37,526,431 \$0 \$0 \$0 \$0 \$0 \$36,060 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000 \$690,000 \$63,620 (\$1,293,300) \$1,481,430 \$5,616,500 \$400,000	\$75,366,544 \$1,639 \$6,751 \$23,330,271 \$5,410,263 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000 \$1731,845 \$706,700 \$5,543,987 \$8,212,220 \$400,000	heights, velocities and channel migration risk in this reach. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017. Expenditures here include sediment removal, fuel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from recently completed needs assessment (2015). New line items established below to account for discrete project elements. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. The river is scouring the road away and David Powell Road is collapsing into the river. This project will repair an existing failing revetment and extend MSE wall to prevent undercutting of the riverbank and roadway. Regional flooding in the Snoqualmie Valley cuts off access to eastern cities. Determine which major roadway(s) that cross the Snoqualmie Valley would be the most cost effective to improve in the valley with chronic flood issues impacting over 25,000 daily drivers. These two bridges are subject to having the roadway approach fill wash out during a flood. Excavate approaches and rebuild approaches to prevent loosing approaches during flooding. A similar repair was done on Woodinville-Duvall Bridge No. 1136D. Cost-share flood damage repair from March 2014 high flows with Corps of Engineers. Construction in 2016. This project will result in actions to mitigate environmental damage from tree cutting during 2008-9 (as required by permitting agencies) to maintain eligibility for US Army Corps of Engineers PL84-99 program. New project to implement interim SWIF adopted by Board of Supervisors. New project to implement interim SWIF adopted by Board of Supervisors. New project to implement interim SWIF adopted by Board of Sup
69 Cedar-Sammamish Subtotal 70 71 72 WLFL8 BOEING LEVEE HT INCREASE 73 WLFL8 BOEING LEVEE USACE ERP 74 WLFL8 BRISCOE LEVEE SETBACK 75 WLFL8 BRPS BLACK R PUMP STATION 76 WLFL8 BRPS CONTROL BLDG RPLCMT 77 WLFL8 BRPS FISH PASS IMPRVMNTS 78 WLFL8 BRPS HIGH-USE ENGINES 79 WLFL8 BRPS SUPPORT SYS UPGRADES 80 WLFL8 PATTON BRIDGE 3015 81 WLFL8 SE 380 PL AT SR 164 82 WLFL8 SE 384 ST @ 176 AVE SE 83 WLFL8 DESIMONE USACE 2015 84 WLFL8 DYKSTRA USACE 2015 85 WLFL8 GREEN R PL84-99 MITIGATN 86 WLFL8 HSB BREDA SETBACK 87 WLFL8 HSB MCCOY REALIGNMENT 88 WLFL8 HSB NURSING HOME SETBACK	FCD 95% 82% 100% 100% 100% 100% 100% FCD FCD 100% 100% 5CD FCD 100% 100%	FCD 77% 36% 72% 72% 72% 72% FCD FCD N/A N/A 72% 41% FCD FCD FCD	wir Agreement Wr Wr Wr Wir Wir Wir Wr	\$18,264,078 \$1,639 \$6,751 \$20,562,938 \$2,853,284 \$0 \$0 \$0 \$0 \$0 \$0 \$1,668,225 \$54,427 \$3,347,684 \$90,180 \$0	\$37,840,113 \$1,639 \$6,751 \$23,330,271 \$5,374,203 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$19,576,035 \$0 \$0 \$0 \$2,767,333 \$2,520,919 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$9,141,721 \$0 \$0 \$0 \$0 \$50,000 \$0 \$252,900 \$0 \$150,000 \$0 \$150,000 \$0 \$150,000 \$0 \$1,755,000 \$1,755,000 \$400,000 \$38,806	\$6,955,464 \$0 \$0 \$36,060 \$1,672,200 \$0 \$1,292,500 \$50,000 \$0 \$1,768 \$500,000 \$550,000 \$550,000 \$0	\$8,470,887 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$100,000 \$0 \$147,200 \$0 \$0 \$13,290,000 \$0 \$0 \$0	\$6,097,428 \$0 \$0 \$0 \$0 \$0 \$0 \$25,000 \$646,400 \$0 \$0 \$400,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$3,720,297 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$692,000 \$0 \$597,650 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$3,140,634 \$0 \$0 \$0 \$0 \$0 \$0 \$1,863,500 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$37,526,431 \$0 \$0 \$0 \$36,060 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000 \$690,000 \$63,620 (\$1,293,300) \$1,481,430 \$5,616,500 \$400,000 \$161,194	\$1,639 \$6,751 \$23,330,271 \$5,410,263 \$8,704,900 \$2,590,500 \$1,545,400 \$1,441,250 \$150,000 \$17,731,845 \$706,700 \$5,543,987 \$8,212,220 \$400,000 \$200,000	Project cancelled. Project cancelled. Project cancelled. Project cancelled. Floodwall construction implemented by the City of Kent. Reaches 2 and 3 mostly complete; reaches 1 and 4 under construction. Reimbursements will be complete and project closed out in 2017. Expenditures here include sediment removal, fuel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from recently completed needs assessment (2015). New line items established below to account for discrete project elements. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. New project line; previously combined as part of Line 66. The river is scouring the road away and David Powell Road is collapsing into the river. This project will repair an existing failing revetment and extend MSE wall to prevent undercutting of the riverbank and roadway. Regional flooding in the Snoqualmie Valley cuts off access to eastern cities. Determine which major roadway(s) that cross the Snoqualmie Valley outs off access to eastern cities. Determine which major roadway(s) that cross the Snoqualmie Valley would be the most cost effective to improve in the valley with chronic flood issues impacting over 25,000 daily drivers. These two bridges are subject to having the roadway approach fill wash out during a flood. Excavate approaches and rebuild approaches to prevent loosing approaches during flooding. A similar repair was done on Woodinville-Duvall Bridge No. 1136D. Cost-share flood damage repair from March 2014 high flows with Corps of Engineers. Construction in 2016. This project will result in actions to mitigate environmental damage from tree cutting during 2008-9 (as required by permitting agencies) to maintain eligibility for US Army Corps of Engineers PL84-99 program. New project to implement interim SWIF adopted by Board of Supervisors. New project to implement interim SWIF adopted by B
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					2015 Inception	2016 Revised									
No.	Title	Flood Risk %	Implement	Type of project	to Date Expenditure	Inception to Date Budget	2016 Available Budget	2017 Requested	2018 Projected	2019 Projected	2020 Projected	2021 Projected	2022 Projected	6-Year CIP Total	Project Life Total Comments
	WLFL8 PORTER LEVEE	39%	41%	wlr	\$0	\$300.000	\$300,000	\$420,000	\$0	\$0	riojecteu \$0	\$0	\$0	\$420,000	Contribute the cost of a repair (\$300,000) to a \$7 million levee setback project. By relocating the levee, future \$720,000 repair costs for the Flood Control District are reduced.
	WLFL8 REDDINGTON REACH SETBACK	68%	62%		\$16,404,101	\$16,889,083	\$484,982	\$420,000	\$0	\$0	\$0	\$0	\$0	\$420,000	\$16,889,083 Project expenditures will continue into 2017; closeout anticipated as part of mid-year 2017 budget revision.
	WLFL8 RUSSELL RD UPPER KENT	92%		wlr Agreement	\$4,992,044	\$5,987,228	\$484,982	\$0	\$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0	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.
94	kWLFL8 SIGNATURE POINTE REVETMENT	FCD	FCD	wlr	\$0	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000	Signature Pointe is a revetment/levee on the Green River between river mile 22.06 and 23.18 that does not meet the FEMA requirements for accreditation due to inadequate freeboard. This project includes development of a project charter and an alternatives analysis to select an alternative to achieve increased flood protection, embankment and toe protection in a manner that can be certified and accredited.
	WLFL8 S 277TH ST REVETMENT	FCD	FCD	wlr	\$5.058	\$300.000	\$294,942	\$0	\$0	\$0	\$0	\$0	\$0	\$0	This project will conduct a feasibility analysis of channel migration hazards from river mile 21.1 to 21.7. No \$300,000 design or construciton funding at this time.
	WLFL8 TUK-205 USACE GACO REPAIR	R	N/A	wlr	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$50,000	\$50,000	\$80.440	\$0	\$0	\$0	\$0	\$0	\$80.440	60 feet of scour has exposed rock armor. No sign of armor loss. Interim SWIF capital project is for 0.33 miles \$130.440 of floodwall and toe/scour protection. Increased vulnerability to further scour and damage to facility.
	WLFL8 TUK-205 RATOLO FLOODWALL	FCD	FCD	wlr	\$0	\$0,000	\$0,000	\$00,440	\$0	\$0 \$0	\$0 \$0	\$0 \$0	ΨΟ	\$1,100,000	\$1,100,000 New project to implement interim SWIF adopted by Board of Supervisors.
00	WI FI A THE ASS OF A F FI CODWALL	FOD	FOD		*	* 0	M O	ΦE 040 000	#0.750.000	£4.000.000	#050.000	£4.500.000	0.45 ,000	044 005 000	New project to implement interim SWIF adopted by Board of Supervisors. The Gaco portion of the Tukwila- 205 levee between river mile 15.75 and 15.88 is over-steepened and damaged and cannot be adequately repaired using the existing easements. This project would acquire properties landward of the damaged levee to enable a levee setback and repair of the embankment and toe scour at this outside bend, in coordination
	WLFL8 TUK-205 SEGALE FLOODWALL	FCD FCD	FCD	wlr	\$0	\$0	\$0	\$5,640,000	\$2,750,000	\$1,300,000	\$650,000	\$4,500,000	\$45,000	\$14,885,000	\$14,885,000 with the Army Corps of Engineers PL 84-99 rehabilitation program. Green River Corridor Planning (under System-Wide Improvement Framework agreement with Army Corps of
100	WLFL8 USACE SWIF WLFL8 LWR GRN R CORRIDOR PLAN/EIS	FCD	FCD FCD	wlr wlr	\$2,195,837 \$0	\$2,287,724 \$1,743,249	\$91,887 \$1,743,249	(\$81,887) \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	(\$81,887) \$0	\$2,205,837 Engineers) \$1,743,249
101 102	Green-Duwamish Subtotal				\$53,604,027	\$82,156,316	\$28,552,290	\$13,733,899	\$13,776,463	\$33,956,412	\$6,386,989	\$5,889,650	\$3,358,500	\$77,101,913	\$159,258,229
103															
104	WLFL9 COUNTYLINE TO A STREET	87%	74%	wlr	\$7,033,411	\$15,569,196	\$8,535,785	\$5,212,688	\$0	\$0	\$0	\$0	\$0	\$5,212,688	Reduces flood elevations that impact residential neighborhoods in the City of Pacific (200 homes, with \$52 million of assessed and \$13 million content value), improves sediment storage and enhances habitat.
105	WLFL9 RED CREEK ACQUISITIONS	71%	41%	acq	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	Permanently eliminate the risk to public safety along this reach by acquiring and removing residential \$100,000 structure. Placeholder funding for appraisal and/or grant match dependent on landowner willingness.
106	WLFL9 RIGHT BANK LEVEE SETBACK	79%	64%	wlr	\$7,595,806	\$11,381,414	\$3,785,608	\$769,785	\$1,536,321	\$6,722,036	\$6,571,371	\$115,927	\$0	\$15,715,440	Construct a new levee setback in the City of Pacific, extending from BNSF railroad bridge embankment to \$27,096,854 endpoint at Butte Ave. by White River Estates neighborhood.
	WLFL9 WHITE - GREENWATER ACQ White Subtotal	66%	44%	acq	\$0 \$14,629,217	\$375,000 \$27,325,610	\$375,000 \$12,696,393	(\$375,000) \$5,607,473	\$0 \$1,536,321	\$0 \$6,722,036	\$0 \$6,571,371	\$0 \$115,927	\$100,000 \$200,000	(\$275,000) \$20,753,128	\$100,000 This project would acquire flood prone residence along the White River near the Greenwater River. \$48,078,738
109					Ψ14,023,217	Ψ21,020,010	Ψ12,000,000	ψ5,001,415	ψ1,000,021	ψ0,722,030	φο,στι,στι	ψ110,321	Ψ200,000	Ψ20,730,120	ψτο,ο/ο/,/ σο
110	WLFLS SOUTH PARK PUMPSTATION	79%	64%	Agreement	\$1,563,910	\$2.690.575	\$1,126,665	\$3.310.756	\$504,244	\$0	\$0	\$0	\$0	\$3.815.000	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. Expenditure forecast to \$6,505,575 be updated based on current project schedule.
112	WLFLS S PARK DRAINAGE IMPROVEMENTS	FCD	FCD	Agreement	\$0	\$500,000	\$500,000	\$500,000	\$1,000,000	\$1,000,000	\$1,005,000	\$0	\$0	\$3,505,000	The South Park Drainage Conveyance Improvements Project will install a formal conveyance system in the streets, to get flows to the pump station. The conveyance improvements will work in conjunction with the \$4,005,000 Pump Station.
113	Seattle Subtotal				\$1,563,910	\$3,190,575	\$1,626,665	\$3,810,756	\$1,504,244	\$1,000,000	\$1,005,000	\$0	\$0	\$7,320,000	\$10,510,575
115				_		<u>.</u>	<u> </u>				<u>.</u>				
	WLFLX CORRIDOR PLN DESIGN/CONST PLACEH Countywide Corridor Plan Imp Subtotal	N/A	N/A	wlr	\$0 \$0	\$142,610 \$142,610	\$142,610 \$142,610	\$0 \$0	\$2,489,775 \$2,489,775		\$11,213,074 \$11,213,074			\$27,595,749 \$27,595,749	\$27,738,359 Placeholder for corridor plan implementation project(s) \$27,738,359
118 119															
119															©27 067 446 Competitive grant program for flood reduction projects. Increases as a proportion of total FCD tax revenue.
	WLFLG FLOOD REDUCTION GRANTS WLFLM EFFECTIVENESS MONITORING	FCD N/A	FCD N/A	grant wlr	\$649,222 \$1,439,082	\$8,541,782 \$1,861,120	\$7,892,560 \$422,038	\$3,058,908 \$357,399	\$3,133,710 \$895,779	\$3,196,473 \$332,985	\$3,270,846 \$533,242	\$3,345,125 \$219,566	\$3,420,602 \$634,010	\$19,425,664 \$2,972,981	\$27,967,446 Competitive graft program for flood reduction projects. Increases as a proportion of total PCD tax revenue. \$4,834,101 Evaluation of capital projects to determine effectiveness and identify project design improvements.
	WLFLO SUBREGNL OPPRTNTY FUND	FCD	FCD	grant	\$22,691,811	\$37,939,500	\$15,247,689	\$5,743,771	\$5,828,701	\$5,945,440	\$6,083,773	\$6,221,932	\$6,362,319	\$36,185,936	Allocation to all King County jurisdictions for flooding, water quality, or watershed management projects. \$74.125.436 Increases as a proportion of total FCD tax revenue.
123	WLFLX CENTRAL CHARGES	N/A	N/A	wlr	\$491,493	\$866,053	\$374,560	(\$284,560)	\$51,000	\$52,020	\$53,060	\$54,122	\$55,204	(\$19,154)	\$846,899 Central charges related to the FCD's capital fund.
124	WLFLX FLOOD EMERGENCY CONTGNCY	N/A	N/A	wlr	\$300,917	\$791,003	\$490,086	\$9,914	\$265,225	\$273,182	\$281,377	\$289,818	\$298,513	\$1,418,029	\$2,209,032 Contingency for emergency response actions during a flood event. Cooperative Watershed Management Grant Program; priorities recommended by watershed groups.
	WLFLX WRIA GRANTS Countywide Subtotal	FCD	FCD	grant	\$9,479,849 \$35,052,375	\$18,708,959 \$68,708,417	\$9,229,110 \$33,656,042	\$4,390,296 \$13,275,728	\$4,504,883 \$14,679,298	\$4,622,460 \$14,422,560	\$4,743,106 \$14,965,405	\$4,866,901 \$14,997,464	\$4,993,928 \$15,764,576	\$28,121,574 \$88,105,030	\$46,830,533 Increase based on assumed inflation rate.
127					\$35,052,375										
128	Grand Total				\$172,251,698	\$290,846,275	\$118,594,577	\$59,859,737	\$54,287,917	\$84,800,217	\$55,892,884	\$46,712,158	\$28,403,194	\$329,956,106	\$620,802,381