2021-2027 Capital Investment Program Plan



Storm & Surface Water

Bellevue's Storm & Surface Water system includes a network of streams, lakes, pipelines, storm water runoff control, and water quality facilities. The Utility owns, operates and maintains 11 regional detention facilities, 350 city-owned residential detention facilities, and monitors nearly 1,000 commercial detention facilities. Stormwater is conveyed via over 400 miles of pipelines, 86 miles of open ditch, and over 80 miles of open streams. The system includes over 23,000 structures such as manholes and catch basins that require regular maintenance and eventual retrofit/replacement.

Ongoing Utility objectives for the system include managing stream flows and flooding; limiting stream bank erosion; replacing undersized and/or deteriorating pipelines and culverts; reducing sedimentation and other water quality problems; and preserving or restoring aquatic wildlife habitat. The Utility's stormwater capital investment projects are developed to address the highest priority needs to meet these objectives.

The Utility utilizes the Storm and Surface Water System Plan, adopted in 2016, and ongoing assessments to identify and prioritize system improvement needs. In addition, current watershed management planning, drainage basin studies, analysis of storm events, input from maintenance staff, asset management analyses, and citizen input identify additional system improvement needs.

The 2021-2027 CIP recognizes that significant investments are needed to maintain aging systems and replace components that are reaching the end of their useful life. The CIP also includes investments to support the Utility's environmental stewardship goals and objectives.

2021-2027 Adopted CIP: Healthy and Sustainable Environment - Storm & Surface Water

Funded CIP Projects

		\$ in	000s
		2021-2027	Total
CIP Plan Number	Project Title	Project	Estimated
Number		Cost	Cost
D-59	Minor (Small) Storm Capital Improvement Projects	\$ 190	\$ 3,855
D-64	Strom System Conveyance Repairs and Replacement	13,100	32,425
D-81	Fish Passage Improvement Program	1,800	7,846
D-86	Stream Channel Modification Program	3,240	9,519
D-94	Flood Control Program	9,490	22,341
D-103	Replace Coal Creek Pkwy Culvert at Coal Creek	50	5,337
D-104	Stream Restoration for Mobility & Infrastructure Initative	-	2,631
D-104-B	Stream Restoration for Mobility & Infrastructure Initative (Bank)	-	-
D-105	Replace NE 8th St Culvert at Kelsey Creek	-	4,376
D-106	Lower Coal Creek Flood Hazard Reduction Phase I	-	14,350
D-107	Storm Water Video Inspection Enhancement	-	2,581
D-109	Storm Retrofit in Kelsey Creek	750	1,407
D-112	Storm and Surface Water Planning Program	2,000	2,000
D-114	Factoria/Richard Creek Flood Reduction	9,320	9,320
D-115	SCADA Upgrade - Storm	1,450	1,450
D-116	Post-Construction Monitoring and Maintenance Program	1,050	1,050
		\$ 42,440	\$ 120,488

2021-2027 Adopted CIP: Healthy and Sustainable Environment - Storm & Surface Water

Combined, Completed Projects

		\$ in 000s
		Total
CIP Plan Number	Project Title	Estimated
		Cost
NONE		
Total Combined, Complete	ed Projects	<u> </u>

2021-2027 Storm CIP Projects





Date: 2/5/2021 File Name: V:\Finance\ArcGIS\GovMax2020\UTILcip21-27_storm_8x11.mxd

		F	Y2021-2027	Capital Inves	stment Program	ı		
	D-59 Mi	n <mark>or (S</mark> ma	all) Stor	m Capit	al Improv	ement P	rojects	
Category: Department	High Quali Utilities	ity Built & N	latural Env	Status: On Location: St	going orm Service A	rea		
Due avec as a A		EV 0004	Prog	rammed Exper	nditures	EV 0005		EV 0007
Expenditures	To Date	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2025 Budget	FY 2026 Budget	FY 2027 Budget
3,855,286	3,665,286	190,000						
This ongoing prog resolve maintenar projects include pi modifications of ca maintenance frequ service impact. Storm infrastructu term, this program to the city; and util replacement or rep while maintaining This program will I Estimated Annual	ram is for minor ice problems, of peline outfall im atch basins in co uency, flooding h re rehabilitation reduces the like ity rate spikes to pair of stormwat service levels an have no significa M&O Costs: 0	(small) improve ten in conjuncti provements at oncert with street history, operato and replaceme elihood of catas or respond to sy er facilities kee hd meeting regu	De ements to Bell ion with other I Meydenbauer et projects. Pro or safety, enviro ent is based on strophic system stem failures r ps customer ra ulatory require En perating reven Ope	scription and s evue's surface Bellevue progra Bay; small storn ojects are priorit onmental risk, c Rationale asset criticality n failures; traffic ather than proa ates as low as p ments. vironmental Im ues and/or exp rating Budget	Scope water system to re ms such as the Tr mwater pipe exten ized based on criti oordination with of and business risk disruption due to ctively managing t ractical by manag pacts enditures. mpacts	esolve deficienci ansportation ov sions to resolve eria including pu ther city or deve failed culverts u he system. In t ing the system a	es, improve eff erlay program. e drainage prob ublic safety/pro lopment activit est practices. In inder streets; o he long term, t at the lowest lif	ficiencies, or Examples of olems; and operty damage, ty, and level of n the short damage claims imely fe-cycle cost,
Λ	Proj	ect Map		Pr	Project Activit	Schedule o ies <u>Fro</u> 2017	of Activities m - To 7 - 2021	Amount 3,855,286
Lake	405 Cor Ref	hart htrois trofit	Late	Util	Total Bu Fundir ty Rates/Fees	dgetary Cost E Means of Fi ng Source	istimate: nancing	3,855,286 Amount 3,855,286
NOTH	Jane Handler				Total Future I	Programmed Funding Requi	Funding: rements:	3,855,286 0
				Comments				

			FY2021-2027	Capital Inves	tment Program	n		
D-64	Storm W	ater Sys	stem Co	nveyanc	e Infrastr	ructure F	Rehabilit	ation
Category: Departmer	High Qual nt: Utilities	lity Built & N	latural Env	Status: On Location: St	going orm Service /	Area		
·			Prog	rammed Exper	ditures			
Programmed Expenditures	Appropriated To Date	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2025 Budget	FY 2026 Budget	FY 2027 Budget
32,425,231	19,325,231	2,360,000	1,420,000	1,530,000	1,640,000	2,010,000	2,050,000	2,090,000
	gram repairs def	ective storm dr	Des Des	scription and S	cope	in the Litility's c	ondition assess	ment program
other means.	Projects are prior	ritized based or	the severity of	f deterioration, t	he risk and conse	equence of failu	ire, and coordin	ation with
anned street in valuating when	system replacen	ects. As the sys nent will require	tem ages, costa	s are expected t reases to the bu	o increase. The dget.	Utilities' Asset N	lanagement Pr	ogram is
				Rationale				
orm infrastruct	ure rehabilitation	and replaceme	ent is based on	asset criticality	and business risl	k, per industry b	est practices. I	n the short
the city; and u	tility rate spikes t	to respond to sy	stropnic system /stem failures ra	ather than proac	disruption due to	the system. In	the long term, t	imely
placement or re	epair of stormwa	ter facilities kee	eps customer ra	ates as low as p	ractical by manage	ging the system	at the lowest li	fe-cycle cost,
			En	vironmental Im	pacts			
is program will	l have no signific	ant impact on c	operating reven	ues and/or expe	enditures.			
stimated Annua	al M&O Costs: 0		Oper	ating Budget i	mpacts			
	Pro	ject Map				Schedule	of Activities	
)		Project Activi	ties Fr	om - To	Amount
		/ /		Pro	ject Costs	0	ngoing	32,425,231
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	/ TA VIL	mp						
	Lake Washington							
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			(all)			1 D	E	00 405 00 1
NORTH			~J		Tota	I Programmed	Funding:	32,425,231
					Future	r unung Kequ	in ciricilita.	0
				Comments				

	D	-81 Fish	n Passag	ge Impro	vement F	Program		
Category: Department	High Qualit Utilities	ty Built & N	atural Env	Status: Ong Location: Sto	going orm and Sewe	er Service A	rea	
Programmed A Expenditures	Appropriated To Date	FY 2021 Budget	Progr FY 2022 Budget	ammed Expen FY 2023 Budget	ditures FY 2024 Budget	FY 2025 Budget	FY 2026 Budget	FY 2027 Budget
7,845,895	6,045,895		350,000	100,000	190,000	610,000	500,000	50,000
This ongoing prog allowing access to debris removal, or investment whene Newport Creek; at	ram provides fur o critical spawnin installation of lo ver possible. Pro Mercer/Alcove (nding to remove g and rearing h gs and boulder ojects planned Creek, and on `	e fish passage nabitat for salm rs to improve ac for this CIP win Yarrow East Tr	barriers such a on populations. ccess at low str idow are on Kel ibutary. Rationale	s impassable culv Typical projects eam flows. Grant sey Creek at 140	verts, debris jam include culvert r money is pursu bth Ave NE; on N	is, or accumula eplacement or ed to supplem ⁄arrow West T	ated sediment, modification, ent Bellevue's ributary; on
This program alon salmon population Chinook Salmon F restricts access to environmental hea	g with others in t s; helps stabilize Recovery Plan; ir residences or b alth in the redeve	this proposal op e streams and i nproves water usinesses, and eloping Bel-Rec	pen salmon acc improve habitat quality that limi street flooding Corridor; and Env	cess to existing consistent with ts fish viability; that impacts p reduce the pote ironmental Im	functional habita Council-approve protects propertie rimary emergence ential for sewage pacts	t, one of the qui ed Lake Washin es from flooding ey routes; restor overflow to surfa	ckest methods gton / Cedar / of structures, es streams for ace water bodi	to increase Sammamish flooding which recreation and ies.
This program will h	nave no significa	int impact on o	perating revenu Opera	ies and/or expe ating Budget I	enditures.			
	Proje	ect Map				Schedule o	of Activities	
					Proiect Activit	ies Fro	m - To	Amount
	5	20		Pro	ject Costs	Or	ngoing	7,845,895
N T					Total Bu	dgetary Cost E	stimate:	7,845,895
	¥03				Fundir	Means of Fi	nancing	Amount
			90	Utilit	y Rates/Fees			7,845,895
NORTH				Comments	Total Future I	l Programmed Funding Requi	Funding: rements:	7,845,895 0
[2021-2022 City	of Bellevue Budget

	•	nem rogram			
D-86 Stream C	hannel Mod	fication	Program	1	
Category: High Quality Built & Natural Department: Utilities	Env Status: Ong Location: Stor	oing m and Sewe	r Service Ar	ea	
Programmed Appropriated EV 2021 EV 20	Programmed Expend	itures	EV 2025	EV 2026	EV 2027
Expenditures To Date Budget Budg	et Budget	Budget	Budget	Budget	Budget
9,518,568 6,278,568 1,390,000 160,0	000 180,000	-	80,000	440,000	990,000
This ongoing program resolves unstable stream sections t maintenance requirements. Stream stability problems inclu also improves habitat complexity by planting coniferous tre channel consists primarily of placing large woody debris a called bioengineering. Projects planned in this CIP window control in the Sunset Creek ravine. This program along with others in this proposal open salm salmon populations; helps stabilize streams and improve f Chinook Salmon Recovery Plan; improves water quality th	that reduce salmon spa ude stream sections wi ees to reduce willow mo nd boulders in the streat v include projects on Lo <u>Rationale</u> non access to existing fun habitat consistent with (nat limits fish viability; p	wning or rearing h excessive eros ono-culture or inv am channel, and wer Kelsey Cree unctional habitat, Council-approved rotects propertie	habitat or incre sion or sedimer vasive weed spo re-vegetating s ek, at the Coal (, one of the quid d Lake Washing s from flooding	ease Bellevue It deposition. ⁻ ecies. Stabilizi tream banks, Creek Channe ckest methods gton / Cedar / of structures,	Utilities This program ing the stream commonly el, and erosion to increase Sammamish flooding which
restricts access to residences or businesses, and street floe environmental health in the redeveloping Bel-Red Corrido	ooding that impacts pri r; and reduce the poten	mary emergency tial for sewage c	/ routes; restore overflow to surfa	es streams for ace water bodi	recreation and ies.
T IL:	Environmental Imp	acts			
Estimated Annual M&O Costs: 0					
Project Map			Schedule o	f Activities	
		Project Activiti	es Fro	m - To	Amount
520	Proje	ct Costs	On	aoina	
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		Total Buc	dgetary Cost E	stimate:	9,518,568 9,518,568
		Total Buo	dgetary Cost E Means of Fin Source	stimate:	9,518,568 9,518,568
405	Utility	Total Bud Fundin Rates/Fees	dgetary Cost E Means of Fi g Source	stimate: nancing	9,518,568 9,518,568 <u>Amount</u> 9,518,568
	Utility	Total Buc Fundin Rates/Fees Total Future F	dgetary Cost E Means of Fi g Source Programmed F unding Requir	stimate: nancing	9,518,568 9,518,568 Amount 9,518,568 9,518,568 0
	Utility	Total Bud Fundin Rates/Fees Total Future F	dgetary Cost E Means of Fi g Source Programmed F unding Requir	stimate: nancing	9,518,568 9,518,568 9,518,568 9,518,568 0
	Utility	Total Buc Fundin Rates/Fees Total Future F	dgetary Cost E Means of Fi g Source Programmed F runding Requir	stimate: nancing	9,518,568 9,518,568 9,518,568 9,518,568 0



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Department Utilities Location: Storm Service Area Programmed Appropriated FV 2021 FV 2022 FV 2023 FV 2024 FV 2024 FV 2026 FV 2026 <td< th=""><th>Category:</th><th>High Quali</th><th>ity Built & N</th><th>latural Env</th><th>Status: On</th><th>going</th><th></th><th></th><th></th></td<>	Category:	High Quali	ity Built & N	latural Env	Status: On	going			
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Rational Rational matrix structure rehabilitation and replacement is based on asset critically and business risk, per industry best practices. In the short on the city and utily rate system to respond to system failures at ratific disruption due to failed culverts under streets; damage claims on the city; and utily rate system and meeting regulatory requirements. Environmental Impact Device levels and meeting regulatory requirements. Environmental Impact Device levels and meeting regulatory requirements. Environmental Impact Device levels and meeting regulatory requirements. Device Impacts Device Impacts Device Impact and meeting regulatory requirements. Device Impact and Mos Cost: 0 Project Activities Project Activities Total Budgetary Cost Estimate: 5,337,250 Meeting Source Amount Utily Rates/Fees <t< td=""><td>This project replac Parkway. The old project completior</td><td>ced a 96-inch dia culvert impeded</td><td>ameter, 110 foo I fish passage.</td><td>ot long corrugat Remaining cos</td><td>ed metal pipe b ts are for permi</td><td>uilt in the 1980s the trequired post-co</td><td>nat carries Coa nstruction mon</td><td>I Creek beneat itoring for ten y</td><td>th Coal Creek /ears after</td></t<>	This project replac Parkway. The old project completior	ced a 96-inch dia culvert impeded	ameter, 110 foo I fish passage.	ot long corrugat Remaining cos	ed metal pipe b ts are for permi	uilt in the 1980s the trequired post-co	nat carries Coa nstruction mon	I Creek beneat itoring for ten y	th Coal Creek /ears after
Som ninstructure rehabilitation and replacement is based on asset orticality and business insk, per industry betty practices, in the short emity, there optices the industry betty managing the system. In the long term, timely cycle cuerts under system is the long term, timely cycle cuerts and term and the long term, timely cycle cuerts and term and the long term, timely cycle cuerts and term					Rationale				
This program will have no significant impact on operating revenues and/or expenditures. Deprating Budget Impacts Estimated Annual M&O Costs : 0	erm, this project i to the city; and uti replacement or re while maintaining	reduces the likel lity rate spikes to pair of stormwat service levels a	ihood of catast o respond to sy er facilities kee nd meeting reg	rophic system f vstem failures ra eps customer ra julatory requirer Env	ailures; traffic d ather than proad tes as low as p nents. /ironmental Im	isruption due to fa tively managing t ractical by manag	he system. In the system	at the lowest li	amage claims timely fe-cycle cost,
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SE 60TH ST	5	THE REAL	COAL			Total Bu	dgetary Cost I Means of F	Estimate: inancing	5,337,250
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Comments	119TH AVE SE	SE 60TH ST CREEK	COAL CREET ANN SE	FORESTOR	Utili	Total Bu Fundin ty Rates/Fees Total	dgetary Cost I Means of F g Source Programmed	Estimate: inancing Funding: rements:	5,337,250 <u>Amount</u> 5,337,250 5,337,250 0
	119TH AVE SE	SE 60TH ST OREEX 123RD AVE SE 123RD AVE SE 123RD AVE SE	COAL CREEK ANN SE	Fontest Dr	Utilli	Total Bu Fundin ty Rates/Fees Total Future F	dgetary Cost I Means of F g Source	Estimate: inancing Funding: rements:	5,337,250 Amount 5,337,250 5,337,250 0
	TIGTH AVE SE	ABIPPORT CREEK 123RD AVE SE 123RD AVE SE 123RD AVE SE	COAL CREET ANN SE	FORREST DY.	Utili	Total Bu Fundin ty Rates/Fees Total Future F	dgetary Cost I Means of F g Source Programmed Funding Requi	Estimate: inancing Funding: rements:	5,337,250 <u>Amount</u> 5,337,250 5,337,250 0

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<text></text>	D-109 Water Quali	ity Retrofit Pro	ogram	
Programmed Appropriated FY 2021 FY 2022 FY 2023 FY 2025 <	Category: High Quality Built & Natural Env State Department: Utilities Loca	us: Ongoing tion: Storm and Sew	er Service Area	
Expenditures Appropriate Transmission of the state of	Programmed Appropriated EX 2021 EX 2022 EX	d Expenditures	EV 2025 EV 2020	EV 2027
<text><text><text><section-header><text><text><text><text><text><text><text></text></text></text></text></text></text></text></section-header></text></text></text>	Expenditures To Date Budget Budget Bu	dget Budget	Budget Budget	Budget
Description and Scope his project will design and install three water quality from street runoff to Kelsey Creek. The Storm and Surface Water System Programe of the diver 38 series of the diverse of			-	
Project ActivitiesFrom - ToAmountProject Activities2017 - 20221,407,000Image: Strain Stra	This project will design and install three water quality retrofit improvem way, where it will improve water quality from street runoff to Kelsey Cro bercent of the city was developed without water quality treatment of sto established, they focused largely on flood control. Recent studies hav 2014 there was 100 percent mortality of hatchery Coho salmon transpl hrough bio-retention soil mixes will clean the stormwater sufficiently to and improve fish survival. It lays the foundation for an ongoing program aligns with many resource agency goals for water quality retrofit and lo with grant applications from those agencies.	ents using biofiltration and sek. The Storm and Surfa provide the Storm and Surfa provide the Stormwater. When stormwater e demonstrated that road lanted to Kelsey Creek. S presult in salmon survival. In that Bellevue could use wimpact development Bl tionale existing functional habitat, stent with Council-approvide viability; protects properting pacts primary emergence the potential for sewage ental Impacts d/or expenditures. Budget Impacts	d rain garden techniques wi ce Water System Plan repo ater management regulation way stormwater runoff kills (tudies show that filtering sto . This project will improve st to meet water quality retrofi MPs, and positions Bellevue one of the quickest method ed Lake Washington/Cedar, ies from flooding of structure cy routes; restores streams overflow to surface water b	thin city rights-of- rted that over 38 as were first Coho salmon. In formwater runoff ormwater quality, t requirements. It to be successful ds to increase /Sammamish es, flooding which for recreation and oodies.
<image/> <image/> Total Budgetary Cost Estimet: 1.407,007 Means of Financing Image: Second Sec	Project Map	Project Activi Project Costs	Schedule of Activities ties From - To 2017 - 2022	Amount 1,407,000
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Funding Source Amount Utility Rates/Fees 1,407,000 Total Programmed Funding: 1,407,000 Comments			Means of Financing	.,,
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Total Programmed Funding: 1,407,000 Future Funding Requirements: 0 Comments 0		ounty Kates/Fees		1,407,000
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	Со	mments		

		-1/2021-2027	Capital Inves	tment Progran			
D-11	2 Storm	and Sur	face Wa	ter Plann	ing Prog	ram	
Category: High Qua Department: Utilities	lity Built & N	latural Env	Status: Nev Location: Va	<i>v</i> rious locatio	ns.		
		Progr	ammed Expen	ditures			
Programmed Appropriated Expenditures To Date	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2025 Budget	FY 2026 Budget	FY 2027 Budget
2,000,000 -	590,000	600,000	240,000	-	-	280,000	290,000
I his proposal is for Utility CIP pr intended to restore stream health detrimental impacts from city ope easement obligations and at pas D-81 Fish Passage Improvem D-86 Stream Channel Modific D-94 Flood Control Program D-104 Stream Restoration for M D-106 Lower Coal Creek Flood D-109 Water Quality Retrofit Pro D-112 Storm and Surface Water D-114 Factoria/Richards Creek F D-116 Post-Construction Monitor D-106 is funded entirely by the K funded in part by the KCFCD. A Most of the CIP programs in this Plans, and the projects container of those projects. 2.5% inflation p	ojects with environme and environme erations or repair t project sites. C ent Program (funded in part b Aobility and Infra Hazard Reduction Flanning Progra Flood Reduction ing and Mainten Cing Co. Flood C Il other proposed proposal are inc d in them, when ber year is assur-	onmental prese ental habitat or p r environmental IP Plans includ by King County F istructure Initiati ion Phase 1 (fur am nance Program ontrol Zone Dis d investments a cluded in the ad they approved med, consistent	rvation or resto prevent pollution damage on pul ed in this propo Flood Control E ve nded in whole b trict (KCFCD) a re funded by uti opted 2019-202 prior budgets; m with regional co	ration as the prin of those resourd blic lands or land sal are: District (KCFCD) y KCFCD) s a regional prior lity rates. 5 CIP. Council a evenues have be ost indices for pu	rity flood control approved rate in- blic works engin	project. D-94 a creases to pay creases to pay ce then toward eering and co	and projects inst uch as and D-114 are for these CIP d construction nstruction.
	The flext section		Rationale				
		Env	rironmental Im	oacts			
		Oper	ating Budget I	nnaoto			
Estimated Annual M&O Costs: 0		Opera	ating Budget i	npacis			
Pro	oject Map				Schedule c	of Activities	
)		L		Project Activit	ties Fro	m - To	Amount
520 405 52	0		Pro	ject Costs	2017	7 - 2023	2,000,000
		\square		Total Bu	dgetary Cost E	stimate:	2,000,000
WASHINGTON	LAKE (BELLEVUE	LAKE		Fundi	Means of Fi	nancing	Amount
		ANTOM	Utilit	v Rates/Fees			2.000.000
			~				
	BOREN			Tota Future	I Programmed Funding Requir	Funding: rements:	2,000,000 0
							•

Comments

				-				
	D-1 1	4 Facto	oria/Rich	ards Cre	ek Flood	d Reduc	tion	
Category: Department:	High Quali Utilities	ity Built & N	Natural Env	Status: New Location: Va	w rious location	ns.		
Programmed A	ppropriated	FY 2021	Progi FY 2022	rammed Expen FY 2023	ditures FY 2024	FY 2025	FY 2026	FY 2027
Expenditures	To Date	Budget	Budget	Budget	Budget	Budget	Budget	Budget
9,320,000	-	5,220,000	4,100,000	-	-	-	-	-
D-81 Fish Passa D-86 Stream Ch D-94 Flood Cont D-94 Flood Cont D-104 Stream Re D-106 Lower Coa	stream health s from city oper ns and at past age Improveme annel Modificat trol Program (fi storation for Mi l Creek Flood I	and environme ations or repai project sites. C nt Program unded in part b obility and Infra fazard Reduct	ornal habitat or p ir environmenta CIP Plans includ by King County astructure Initiat ion Phase 1 (fu	Flood Control E	District (KCFCD)	ces. These pro	jects guard ag esponsibilities,	ainst such as
D-109 Water Qualit D-112 Storm and S D-114 Factoria/Ricl D-116 Post-Constru D-106 is funded en	ty Retrofit Prog Surface Water F hards Creek Fle uction Monitorir	ram Planning Progra bod Reduction ng and Mainter ng Co. Flood C	am nance Program Control Zone Dis	strict (KCFCD) a	is a regional prio	rity flood contro	ol project. D-94	and D-114 are
Most of the CIP pro	params in this c	proposal are in		hopted 2010 201		approved rate	increases to pa	ay for these CIP
Plans, and the proj of those projects. 2 New CIP Plans are	ects contained .5% inflation pe described in th	in them, when er year is assume ne next section	cluded in the ac they approved med, consisten	prior budgets; r t with regional c	evenues have be ost indices for pu	een collected s ublic works eng	ince then towa ineering and c	rd construction onstruction.
Plans, and the proj of those projects. 2 New CIP Plans are	ects contained 2.5% inflation pe described in th	in them, when er year is assume ne next section	cluded in the ac they approved med, consisten i.	prior budgets; r t with regional c Rationale	evenues have be ost indices for pu	een collected s ublic works eng	ince then towa ineering and c	rd construction onstruction.
Plans, and the proj of those projects. 2 New CIP Plans are	ects contained 2.5% inflation pe described in th	in them, when er year is assume ne next section	cluded in the ac they approved med, consisten h. En	prior budgets; r t with regional c Rationale	25 CIP. Council a evenues have be ost indices for pu	een collected s ublic works eng	ince then towa ineering and c	rd construction onstruction.
Plans, and the proj of those projects. 2 New CIP Plans are	ects contained 2.5% inflation pe described in th	in them, when er year is assume ne next section	cluded in the ac they approved med, consisten i. Env	prior budgets; r t with regional c Rationale	evenues have be ost indices for pu pacts	een collected s ublic works eng	ince then towa ineering and c	rd construction onstruction.
Plans, and the proj of those projects. 2 New CIP Plans are	ects contained 2.5% inflation pe described in the M&O Costs: 0	in them, when er year is assu ne next section	cluded in the ac they approved med, consisten Env Oper	prior budgets; r t with regional c Rationale vironmental Im	pacts	een collected s ublic works eng	ince then towa ineering and c	rd construction onstruction.
Plans, and the proj of those projects. 2 New CIP Plans are Estimated Annual N	ects contained 2.5% inflation p described in th W&O Costs: 0 Proj	ect Map	cluded in the ac they approved med, consisten i. Env Oper	prior budgets; r t with regional c Rationale vironmental Im	pacts	een collected s ublic works eng Schedule	ince then towa ineering and c of Activities	rd construction onstruction.
Plans, and the proj of those projects. 2 New CIP Plans are	ects contained 2.5% inflation p e described in th V&O Costs: 0 Proj	ect Map	cluded in the ac they approved med, consisten t. Env Oper	prior budgets; r t with regional c Rationale vironmental Im rating Budget I	pacts Project Activit	Schedule	of Activities	rd construction onstruction.
Plans, and the proj of those projects. 2 New CIP Plans are	ects contained 2.5% inflation p described in th V&O Costs: 0 Proj	ect Map	cluded in the ac they approved med, consisten t. Env Oper	prior budgets; r t with regional c Rationale vironmental Im rating Budget In Pro	pacts Project Activit	Schedule ties F 20	of Activities rom - To 17 - 2023	Amount 9,320,000
Plans, and the proj of those projects. 2 New CIP Plans are	ects contained 2.5% inflation po e described in the M&O Costs: 0 Proj	ect Map	cluded in the ac they approved med, consisten Env Oper	prior budgets; r t with regional c Rationale vironmental Im rating Budget II	pacts project Activity pipect Costs Total Bu	Schedule ties F 20 udgetary Cost	of Activities rom - To 17 - 2023	Amount 9,320,000
Plans, and the proj of those projects. 2 New CIP Plans are	ects contained 2.5% inflation pe described in the M&O Costs: 0 Proj	ect Map	cluded in the ac they approved med, consisten to Env Oper	prior budgets; r t with regional c Rationale vironmental Im rating Budget In Pro	pacts pacts pacts pacts Project Activit oject Costs Total Bu	Schedule blic works eng blic works eng ties F 20 udgetary Cost Means of ing Source	of Activities rom - To 17 - 2023 Estimate: Financing	Amount 9,320,000 9,320,000 Amount
Plans, and the proj of those projects. 2 New CIP Plans are	M&O Costs: 0 Proj	ect Map	cluded in the ac they approved med, consisten Env Oper	prior budgets; r t with regional c Rationale vironmental Im rating Budget In Pro	pacts pacts pacts pacts Project Activity oject Costs Total Bu Fundi rgovernmental Co ty Rates/Fees	Schedule blic works eng blic works eng ties F 20 udgetary Cost Means of ing Source ontributions	of Activities rom - To 17 - 2023 Estimate: Financing	Amount 9,320,000 Amount 9,320,000 Amount 3,577,000

Comments



ו-ט	16 Post-	Constru	ction M	onitoring	g and Ma	intenanc	e Progra	am
Category: Departmen	High Quali Utilities	ty Built & N	atural Env	Status: Nev Location: Va	v rious locatio	ns.		
Programmed	Appropriated	FY 2021	Progr FY 2022	ammed Expen FY 2023	ditures FY 2024	FY 2025	FY 2026	FY 2027
Expenditures	To Date	Budget	Budget	Budget	Budget	Budget	Budget	Budget
1,050,000	-	220,000	210,000	270,000	160,000	110,000	40,000	40,000
 his proposal is for itended to restor etrimental impaction asement obligation D-81 Fish Pass D-86 Stream C 	e stream health ts from city oper ons and at past age Improvement hannel Modificat	ects with enviro and environme ations or repair project sites. C nt Program ion Program	onmental prese ntal habitat or p r environmental IP Plans includ	rvation or resto prevent pollutior damage on pul ed in this propo	ration as the prin of those resour olic lands or land sal are:	nary goal. It incli ces. These proje Is with public res	udes programs ects guard agai sponsibilities, su	and projects nst uch as
-94 Flood Coi -104 Stream R -106 Lower Co -109 Water Qua -112 Storm and -114 Factoria/Ri -116 Post-Const	ntrol Program (fr estoration for Mo al Creek Flood H lity Retrofit Prog Surface Water P chards Creek Flo ruction Monitorir	unded in part b obility and Infra lazard Reducti ram Vlanning Progra ood Reduction ng and Mainten	y King County I structure Initiati on Phase 1 (fui im ance Program	Flood Control E ive Inded in whole b	District (KCFCD) y KCFCD)			
-106 is funded e unded in part by	ntirely by the Kir the KCFCD. All	ng Co. Flood Co other proposed	ontrol Zone Dis I investments a	trict (KCFCD) a re funded by uti	s a regional prio lity rates.	rity flood control	project. D-94 a	and D-114 are
lans, and the pro f those projects. lew CIP Plans ar	pjects contained 2.5% inflation pe e described in th	in them, when er year is assur ne next section.	they approved ned, consistent	prior budgets; re with regional co	evenues have be ost indices for pu	blic works engin	neering and cor	construction nstruction.
			Env	Rationale	pacts			
stimated Annual	M&O Costs: 0		Env	Rationale rironmental Im ating Budget In	pacts npacts			
stimated Annual	M&O Costs: 0 Proj	ect Map	Env	Rationale rironmental Im ating Budget Ir	pacts npacts	Schedule	of Activities	A
stimated Annual	M&O Costs: 0 Proj	ect Map	Env Opera	Rationale rironmental Imp ating Budget In Pro	pacts npacts Project Activi ject Costs	Schedule of ties From 202	of Activities om - To 1 - 2027	Amount 1,050,000
stimated Annual	M&O Costs: 0 Proj	ect Map	Env Oper	Rationale rironmental Im ating Budget Ir Pro	pacts npacts Project Activi ject Costs Total Bu	Schedule of ties From 202	of Activities	Amount 1,050,000 1,050,000
stimated Annual	M&O Costs: 0 Proj	ect Map	Env Oper	Rationale rironmental Im ating Budget In Pro	pacts npacts Project Activit ject Costs Total Bu	Schedule of ties Fro 202 udgetary Cost I Means of F	of Activities om - To 1 - 2027 Estimate: inancing	Amount 1,050,000
stimated Annual	M&O Costs: 0 Proj	ect Map		Rationale fironmental Im ating Budget In Pro	pacts mpacts Project Activit ject Costs Total Bu Fundi y Rates/Fees	Schedule of ties Fro 202 Judgetary Cost I Means of F ng Source	of Activities om - To 1 - 2027 Estimate: inancing	Amount 1,050,000 1,050,000 Amount 1,050,000
stimated Annual	M&O Costs: 0 Proj	ect Map	Env Opera	Rationale	pacts mpacts Project Activir ject Costs Total Bu Fundi y Rates/Fees	Schedule of ties Fro 202 udgetary Cost I Means of F ng Source	of Activities om - To 1 - 2027 Estimate: inancing	Amount 1,050,000 Amount 1,050,000 Amount 1,050,000

Comments