	D-59 Mi	ופן nor (Sma	all) Stori	m Capital Investr	al Improv	ment Pro	ojects	
Category: Department:	Storm Drain Utilities	nage	S L Program	Status: Ong ocationStor	oing m Service Ar	ea	-	
Programmed A Expenditures	ppropriated To Date	FY 2019 Budget	FY 2020 Budget	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2025 Budget
5,474,286	3,422,286	70,000	173,000	559,000	457,000	261,000	263,000	269,000
This ongoing programs of the projects include pin modifications of car damage, maintenar and level of service	ram is for minor ce problems, off peline outfall imp tch basins in co nce frequency, e impact.	(small) improve en in conjuncti provements at ncert with stree flooding history	Description ements to Beller on with other Be Meydenbauer B Meydenbauer B t projects. Proje , operator safet	Applion and Sco vue's surface we ellevue progran ay; small storm ects are prioritiz y, environment Bationale	ope vater system to re ns such as the Tr nwater pipe exter zed based on crit al risk, coordinat	esolve deficienci ransportation ov nsions to resolve reria including pu ion with other cit	es, improve eff erlay program. drainage prob ublic safety/pro y or developm	iciencies, or Examples of lems; and perty ent activity,
Storm infrastructur term, this program claims to the city; a replacement or rep while maintaining s	e rehabilitation a reduces the like and utility rate sp air of stormwate service levels an	and replacement lihood of catas hikes to respon facilities keep d meeting regu	nt is based on a strophic system d to system failu os customer rate ulatory requirem	sset criticality a failures; traffic ures rather thar es as low as pr ents.	and business risk disruption due to n proactively man actical by manag	, per industry be failed culverts u haging the system ing the system a	est practices. In nder streets; d m. In the long at the lowest life	the short amage term, timely e-cycle cost,
A reliable stormwa environment.	ter system contr	ols stormwater	runoff to minim	ize flood and e	rosion damage to	o public and priv	ate property ar	nd the
This program will h	nave no significa	nt impact on o	perating revenu	es and/or expe	nditures.			
		Project Map	4		Project Activit	ies Froi	chedule of Ad n - To	tivities Amount
2	A THE		X	Proj	ect Costs	On	going	5,474,286
Sec. Sec.	TOS CO	mart ntrols			Total Bu	dgetary Cost E Means of Fin	stimate: ancing	5,474,286
		•			Fundir	ng Source		Amount
			St.	Utili	ty Rates/Fees			5,474,286
	1	~		Comments	Total Future F	Programmed F Funding Requir	[:] unding: ements:	5,474,286

D-64 S	torm Syste	m Conve	eyance F	Repairs a	nd Repla	acemen	t
Category: Storm Department: Utilitie	Drainage es	c L	Status: Ong _ocationStor	oing m Service Ar	rea		
Programmed Appropri Expenditures To Da	ated FY 2019 te Budget	FY 2020 Budget	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2025 Budget
27,637,231 17,180,2	231 773,000	1,372,000	1,517,000	1,527,000	1,635,000	1,753,000	1,880,000
This ongoing program repair program or other means. Provide the planned street improve evaluating when system rep	irs defective storm dra rojects are prioritized ement projects. As the placement will require	Dese ainage pipelines based on the se system ages, o significant incre	ription and Sci s, culverts and c everity of deterion costs are expect eases to the buo Rationale	ope ditches identified oration, the risk a ted to increase. ⁻ dget.	in the Utility's co and consequenc The Utilities' Ass	ondition asses: e of failure, an set Manageme	sment d coordination nt Program is
Storm infrastructure rehabilit term, this program reduces claims to the city; and utility replacement or repair of sto while maintaining service le	itation and replaceme the likelihood of catas rate spikes to respor rmwater facilities kee vels and meeting reg m controls stormwate	ent is based on a strophic system nd to system fail ps customer rat ulatory requirem Envir r runoff to minin	asset criticality a failures; traffic ures rather than tes as low as pr nents. onmental Impa nize flood and e	and business risk disruption due to n proactively mar actical by manag acts prosion damage to	a, per industry be failed culverts un naging the system ing the system o public and priv	est practices. I inder streets; o m. In the long at the lowest li vate property a	n the short damage term, timely fe-cycle cost, and the
environment.		Operat	ing Budget Im	pacts			
This program will have no s	ignificant impact on o	perating revenu	les and/or expe	nditures.		abadula of A	otivitioo
	Project Map			Project Activit	ies Fro	m - To	Amount
AGA		X	Proj	ect Costs	On	going	27,637,231
)	Total Bu	dgetary Cost E Means of Fin	stimate:	27,637,231
N ATA		- Crate		Fundi	ng Source		Amount
			Utili	ty Rates/Fees	Programmed I	-undina:	27,637,231
NORTH	2 1			Future F	Funding Requi	rements:	21,001,201
			Comments				



FY2019-2025 Capital Investment Program										
D-00 Stream Channel Modification Program										
Category: Department:	Storm Drain Utilities	nage	L	Status: Ong ocationStor	loing m and Sewer	· Service Are	a			
Programmed A	nnronriated	EY 2019	Program	nmed Expend	itures EX 2022	EX 2023	EY 2024	EX 2025		
Expenditures	To Date	Budget	Budget	Budget	Budget	Budget	Budget	Budget		
9,019,568	5,377,568	737,000	164,000	192,000	404,000	483,000	980,000	682,000		
This ongoing program resolves unstable stream sections that reduce salmon spawning or rearing habitat or increase Bellevue Utilities maintenance requirements. Stream stability problems include stream sections with excessive erosion or sediment deposition. This program also improves habitat complexity by planting coniferous trees to reduce willow mono-culture or invasive weed species. Stabilizing the stream channel consists primarily of placing large woody debris and boulders in the stream channel, and re-vegetating stream banks, commonly called bioengineering. Projects planned in this CIP window include projects on Lower Kelsey Creek, at the Coal Creek Channel, and erosion control in the Sunset Creek ravine.										
This program alon	a with others in t	his proposal o	nen salmon acc	Relionale	functional habitat	t one of the quir	kest methods	to increase		
salmon population Chinook Salmon F restricts access to and environmental	g with others in r s; helps stabilize Recovery Plan; ir residences or b I health in the re-	e streams and nproves water usinesses, and developing Bel	improve habitat quality that limit d street flooding I-Red Corridor; a Enviro	consistent with ts fish viability; that impacts p and reduce the conmental Impa	protects propertie protects propertie primary emergenc potential for sewa	age overflow to	gton / Cedar / S of structures, f es streams for i surface water b	Sammamish looding which recreation podies.		
The long term env eliminate environm Appropriate enviro projects.	ironmental impa nental damage c nmental review	cts of each pro aused by flooo (SEPA) and pe	ogram/project ar ding. Projects m ermits (Critical A Operati	e positive in tha ay increase the reas, Hydraulio	at they improve of e potential for ero c Project Approva	r protect stream sion or siltation I, US Army Corp	health and hal during constructors) are required	oitat, or ction. d for most		
This program will I	have no significa	int impact on o	perating revenu	es and/or expe	enditures.	_				
		Project Map			Project Activiti	ies Froi	chedule of Ac	tivities		
	and			Pro	ject Costs	On	going	9,019,568		
Contractor of		2日1月	a cath	-	Total Bu	dgetary Cost E	stimate:	9,019,568		
	EA IN	计但	177 40		Eundir	Means of Fin	ancing	Amount		
2	10	1-2-	- KEU		ity Rates/Fees	ig source		9 019 568		
Lake Washingto								0,010,000		
ARRA (77)	なら出す		AN ELL		Total Euturo E	Programmed F	unding:	9,019,568		
				Comments						
						2	019-2020 City of	f Bellevue Budget		



		FY	2019-2025 C	apital Investr	nent Program					
D-TUS Replace Coal Creek Pkwy Culvert at Coal Creek										
Category: S Department: L	Storm Drair Jtilities	nage	E E	Status: App LocationStor	roved Prior m Service A	rea				
		5)(00 (0	Program	nmed Expendi	itures	5)(0000	5)(000 (51/ 0005		
Programmed Ap Expenditures	propriated To Date	FY 2019 Budget	FY 2020 Budget	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2025 Budget		
5,287,250	5,261,250	26,000	-	-		-	-	-		
This project replaced Parkway. The old cu project completion.	d a 96-inch dia Ivert impeded	meter, 110 foo fish passage. I	Desc t long corrugate Remaining cost	ription and Sc ed metal pipe b s are for permit Rationale	ope uilt in the 1980s t t-required post-co	that carries Coal onstruction monit	Creek benea toring for ten y	th Coal Creek vears after		
Storm infrastructure t term, this project red to the city; and utility replacement or repai while maintaining ser	rehabilitation a uces the likelih rate spikes to ir of stormwate rvice levels an	and replacement nood of catastr respond to syster r facilities keep d meeting regu	nt is based on a ophic system fa stem failures ra os customer rat latory requirem Enviro	asset criticality a ailures; traffic di ther than proac es as low as pr nents. onmental Impa	and business risk sruption due to fa tively managing actical by manag	a, per industry be ailed culverts und the system. In th ning the system a	est practices. I der streets; da ne long term, t at the lowest li	n the short amage claims timely fe-cycle cost,		
A reliable stormwater environment.	r system contr	ols stormwater	runoff to minim	nize flood and e	erosion damage t	o public and priv	ate property a	ind the		
This are seen in t		nak inaw4	Operat	ing Budget Im	pacts					
This program will have	ve no significa	nt impact on of Project Map	perating revenu	ies and/or expe	enditures.	S	chedule of A	ctivities		
	/		TH:		Project Activit	ies Fror	n - To	Amount		
	124TH AVE SE	FACTORIA BLVD SE	CREEK	Proj	ject Costs	2009	- 2019	5,287,250		
	L.				Total Bu	dgetary Cost F	stimate:	5,287,250		
	-	2 8			Total Ba	Means of Fina	ancing	0,201,200		
3	CREE	S CR			Fundi	ng Source		Amount		
THAVESE	SE 60TH ST	CONT. SE	Fomtes	Utili	ty Rates/Fees			5,287,250		
NORTH	123R(2		Total Future I	Programmed F Funding Require	unding: ements:	5,287,250		
				Comments						
						2	019-2020 City o	of Bellevue Budget		

FY2019-2025 Capital Investment Program										
D-104 Stream Restoration for Mobility & Infrastructure Initiative										
Category: Storm Department: Utilitie	n Drainage es	S	Status: App .ocationStor	roved Prior m and Sewer	Service Are	a				
Brogrammad Appropr	isted EV 2010	Program	nmed Expendi	tures	EV 2022	EV 2024	EV 2025			
Expenditures To Da	ite Budget	Budget	Budget	Budget	Budget	Budget	Budget			
330,000 222,	000 26,000	27,000	27,000	28,000	-	-	-			
This ongoing program is for stormwater improvements associated with the Mobility and Infrastructure Initiative (which seeks to address high priority mobility and infrastructure needs in Downtown Bellevue and in the BelRed Corridor). These funds are to restore streams for recreation and environmental health through the BelRed corridor, and to encourage redevelopment of the area. These funds will be allocated to specific stormwater-related projects pending further Council direction. Two projects are proposed for implementation in 2014-2016: Channel Restoration pre-design studies on the West Tributary downstream of the West Trib. Regional Pond, and Native Plant Restoration at the West Tributary Regional Pond. The projects will need to be constructed to coordinate with Sound Transit wetland and stream mitigation, and 124th Phase 1 project, respectively.										
This project along with othe	ers in this proposal o	pen salmon acces	ss to existing fu	nctional habitat, o	one of the quick	est methods to	o increase			
salmon populations; helps s Chinook Salmon Recovery restricts access to residenc	stabilize streams and Plan; improves wate ses or businesses, ar	d improve habitat of er quality that limits nd street flooding to tal Rod Corridor: a	consistent with s fish viability; that impacts p	Council-approve protects propertie rimary emergency	d Lake Washing es from flooding y routes; restore	of structures, f structures, f streams for	Sammamish looding which recreation			
	The redeveloping D	Enviro	onmental Impa	icts	age overnow to a		boules.			
The long term environmental da	al impacts of each p	rogram/project are	e positive in the	at they improve or	r protect stream	health and ha	bitat, or			
Appropriate environmental	review (SEPA) and	permits (Critical A	reas, Hydraulic	Project Approva	I, US Army Corp	os) are require	d for most			
projects.		Operati	ng Budget Im	pacts						
This program will have no s	significant impact on Project Ma	operating revenue	es and/or expe	nditures.	S	chedule of A	rtivitios			
	FTOJECT Ma	ž!		Project Activiti	es Fror	n - To	Amount			
405 32 Horney High	ISATH AVENUE NE	520	Proj	ect Costs	2017	- 2022	330,000			
Variation 10	24TH STREET	1 1	Br. a	Total Bud	dgetary Cost E	stimate:	330,000			
	NE 20TH S			Fundir	Means of Finance	ancing	Amount			
A N N	aver a sere	1000 - C	Utili	ty Rates/Fees			330,000			
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		HIGH HIGH HIGH	u u							
NORTH STORE		34t		Total	Programmed F	unding:	330,000			
			Comments	Future F	unding Kequir					
Comments										



FY201	9-2025 C	apital Investr	nent Program			
D-105 Replace	NE 8t	h St Cul	vert at K	elsev Cre	ek	
Category: Storm Drainage Department: Utilities	:	Status: App LocationStor	roved Prior m Service A	rea	_	
	Progra	mmed Expendi	tures			
Programmed Appropriated FY 2019 FY Expenditures To Date Budget B	/ 2020 udget	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2025 Budget
3,983,000 3,847,000 26,000	27,000	27,000	28,000	28,000	-	-
This project will replace the existing 10' wide by 7' tall Creek beneath NE 8th Street. To meet flood and fish channel, or a three-sided concrete box culvert with an	Desc , 110-foot passage re approxim	ription and Sco long corrugated equirements, the ate 15 foot spar Rationale	ope metal culvert bu e culvert will be r n. The design wil	ilt in the early 19 eplaced with a b I be determined l	80s that carri ridge which s by permit req	es Kelsey pans the creek uirements.
Storm infrastructure rehabilitation and replacement is term, this project reduces the likelihood of catastrophi to the city; and utility rate spikes to respond to system replacement or repair of stormwater facilities keeps cu while maintaining service levels and meeting regulato	based on a c system fa failures ra ustomer ra ry requiren Envir	asset criticality a ailures; traffic di ather than proac tes as low as pr nents. ronmental Imp a	and business risk sruption due to f tively managing actical by manag	<, per industry be ailed culverts un- the system. In th ging the system a	est practices. der streets; da ne long term, at the lowest l	In the short amage claims timely ife-cycle cost,
A reliable stormwater system controls stormwater rune environment.	off to minir	nize flood and e	rosion damage t	o public and priv	ate property a	and the
	Operat	ing Budget Im	pacts			
This program will have no significant impact on opera Project Map	ting reveni	ues and/or expe	nditures.	s	chedule of A	ctivities
			Project Activit	ies Froi	n - To	Amount
NE 24TH STREET		Proj	ect Costs	2014	- 2023	3,983,000
		1	Total Du	daataa Caat E		2 082 000
	BOBY	iii	lotal Bu	Means of Fin	stimate: ancing	3,983,000
ALL	N N	NUEN	Fundi	ng Source	anonig	Amount
Difference and an and and	ET HIDDA AND A		ty Rates/Fees			3,983,000
AUDPH	H ST JAG	HALS	Total Future I	Programmed F Funding Requir	unding: ements:	3,983,000
		Comments				

FY2019-2025 Capital Investment Program										
D-106 Lower Coal Creek Flood Hazard Reduction Phase 1										
Category: S Department:	Storm Drair Utilities	nage	St Lo	atus: App ocationStor	roved Prior m and Sewer	Service Are	a			
Due and the		EV 0040	Program	med Expend	itures	EV 0000	EV(000 (5% 0005		
Programmed Ap Expenditures	propriated	FY 2019 Budget	FY 2020 Budget	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2025 Budget		
12,484,889	6,356,889	5,559,000	206,000	134,000	100,000	79,000	50,000	-		
This project will design and construct project(s) to reduce flooding from the Newport Shores reach of Coal Creek, located between I-405 and Lake Washington. A preliminary engineering study to identify and assess alternatives is underway, to establish how best to reduce flooding during storm events. The project budget includes one or more of the following: increased storage capacity at the I-405 regional pond, replacement of the five existing culverts downstream of the pond, targeted stream bank erosion protection, and improvements to the local storm drainage network. The schedule has been revised to reflect design in 2015-16; permitting in 2016-17, and construction of improvements between 2018 and 2020.										
This project along w	ith others in thi	s proposal ope	en salmon access	s to existing fu	inctional habitat,	one of the quick	est methods to	increase		
salmon populations; Chinook Salmon Re restricts access to re and environmental h	helps stabilize covery Plan; in esidences or bu lealth in the reco	streams and in proves water usinesses, and leveloping Bel	improve habitat c quality that limits d street flooding th I-Red Corridor; ar Environ	onsistent with fish viability; nat impacts p nd reduce the mental Impa- positivo in the	Council-approve protects propertie rimary emergenc potential for sewands acts	d Lake Washing s from flooding y routes; restore age overflow to	of structures, f of structures, f es streams for surface water l	Sammamish looding which recreation podies.		
eliminate environme Appropriate environm projects.	ntal damage ca mental review (aused by flood SEPA) and pe	Jing. Project are ermits (Critical Are	y increase the eas, Hydraulic	e potential for ero Project Approva	sion or siltation I, US Army Corp	during constructions) are required	ction. d for most		
This program will ha	ive no significa	nt impact on o	perating revenue	s and/or expe	nditures.					
		Project Map			Project Activiti	S Eror	chedule of Ac	ctivities		
Lak	MATH ST		90	Pro	ect Costs	2013	- 2024	12,484,889		
vvasin.				2	Total Bu	dgetary Cost E Means of Fin	stimate: ancing	12,484,889		
	AL	Newport		5	Fundir	ng Source		Amount		
	Contraction of the second	GLACIER KY GLACIER KY	BAVD SE	Inte	rlocal Contributio	ns		12,484,889		
and and a second	14	1)]]	F FILTI		Total	Programmed F	unding:	12,484,889		
			C	Comments						
						2	019-2020 City of	f Bellevue Budget		

FY2019-2025 Capital Investment Program									
	D-107	Storm V	Vater V	ideo Insp	ection E	nhancen	nent		
Category: Department:	Storm Drain Utilities	nage		Status: App LocationStor	roved Prior m Service Ar	rea			
-			Progra	mmed Expendi	tures				
Programmed A Expenditures	ppropriated To Date	FY 2019 Budaet	FY 2020 Budget	FY 2021 Budget	FY 2022 Budaet	FY 2023 Budget	FY 2024 Budget	FY 2025 Budget	
2,581,000	2,335,000	246,000	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u> -	
This project will video-inspect the most critical 25 percent of stormwater pipes to assess their condition over a five year period. Pipes to be inspected will be selected based on their likelihood and consequence of failure (risk). The video condition assessment results will be used to help evaluate the overall stormwater pipeline condition so that short- and long-term renewal and replacement needs can be more accurately estimated. The project will also be used to evaluate how much of the stormwater system should be video-inspected each year on an ongoing basis. The project funds four years of contracted services, plus start up time in the first year. It will video-inspect 10-15 miles in 2015, 25 miles each in 2016, 2017, and 2018, and 10-15 miles in the first half of 2019.									
to the city; and utili replacement or rep while maintaining s	ty rate spikes to bair of stormwate service levels an	respond to system respond to system r facilities keep d meeting regu	opnic system f stem failures ra os customer ra ulatory require Envi	railures; traffic di ather than proac ates as low as pr ments. ronmental Impa	tively managing factorial for a factorial for a factorial by managing factorial by managing factorial for a factorial factorial for a factorial factorial for a factorial factorial factorial for a factorial factor	the system. In the system are system and the system are system and the system are system are system and the system are system are system and the system are system a	der streets; da ne long term, t at the lowest li	image claims imely fe-cycle cost,	
A reliable stormware environment.	ter system contr	ols stormwater	runoff to mini	mize flood and e	rosion damage t	o public and priv	ate property a	nd the	
This program will h	ave no significa	nt impact on o	Opera	ting Budget Imp	pacts				
This program wiir i	ave no signinea	Project Map			natures.	S	chedule of A	ctivities	
		TTY	τ		Project Activit	ies Fro	m - To	Amount	
			X	Proj		2015		2,581,000	
SA	(IOS)		+		Total Bu	dgetary Cost E Means of Fin	stimate: ancing	2,581,000	
Voerferige				Utili	Fundin ty Rates/Fees	ng Source		Amount 2,581,000	
NORTH	And	(man		Comments	Total Future F	Programmed F Funding Requir	unding: ements:	2,581,000	

FY2019-2025 Capital Investment Program										
D-109 Storm Retrofit in Kelsev Creek										
Category: Department:	Storm Drair Utilities	nage	S	Status: App .ocationStor	roved Prior m and Sewer	[.] Service Are	a			
			Progran	nmed Expend	itures					
Programmed A Expenditures	ppropriated To Date	FY 2019 Budget	FY 2020 Budget	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2025 Budget		
657,000	315,000	326,000	16,000					-		
This project will design and install three water quality retrofit improvements using biofiltration and rain garden techniques within city rights-of-way, where it will improve water quality from street runoff to Kelsey Creek. The Storm and Surface Water System Plan reported that over 38 percent of the city was developed without water quality treatment of stormwater. When stormwater management regulations were first established, they focused largely on flood control. Recent studies have demonstrated that roadway stormwater runoff kills Coho salmon. In 2014 there was 100 percent mortality of hatchery Coho salmon transplanted to Kelsey Creek. Studies show that filtering stormwater runoff through bio-retention soil mixes will clean the stormwater sufficiently to result in salmon survival. This project will improve stormwater quality, and improve fish survival. It lays the foundation for an ongoing program that Bellevue could use to meet water quality retrofit requirements. It aligns with many resource agency goals for water quality retrofit and low impact development BMPs, and positions Bellevue to be successful with grant applications from those agencies.										
				Rationale						
This project along v salmon populations Chinook Salmon R restricts access to and environmental	with others in thi s; helps stabilize ecovery Plan; in residences or bu health in the rec	s proposal ope streams and i nproves water isinesses, and leveloping Bel	en salmon acces improve habitat quality that limit street flooding -Red Corridor; a	ss to existing fu consistent with s fish viability; that impacts p and reduce the	Inctional habitat, (Council-approve protects propertie rimary emergenc potential for sewa	one of the quick d Lake Washing s from flooding y routes; restore age overflow to s	est methods t ton/Cedar/Sa of structures, s streams for surface water	o increase ammamish flooding which recreation bodies.		
The long term envi eliminate environm Appropriate environ projects.	ronmental impac ental damage ca nmental review (cts of each pro aused by flood SEPA) and pe	gram/project are ing. Projects m ermits (Critical A	e positive in tha ay increase the reas, Hydraulio	at they improve or e potential for ero c Project Approva	r protect stream sion or siltation I, US Army Corp	health and ha during constru s) are require	abitat, or uction. ed for most		
This program will h	ave no significa	nt impact on o	perating revenue	es and/or expe	nditures.					
		Project Map	p = - =			S	chedule of A	ctivities		
(Project Activiti	es Fror	n - To	Amount		
		VALLEY CREEK		Pro	ect Costs	2017	- 2020	657,000		
	NE 24TH ST	SE	ARS		Total Bud	dgetary Cost E	stimate:	657,000		
	1 5		EFFK]		Fundir	ng Source	ancing	Amount		
MAIN ST T	BERLEYUS	KELSEY CREEK MAIN ST CONNECTOR	ar lity offt selve SE 16TH ST	La	ty Rates/Fees			657,000		
	1 K	₩ ` `			Total Future F	Programmed F unding Require	unding: ements:	657,000		
				Comments						