

Whatcom County

COUNTY COURTHOUSE 311 Grand Avenue, Ste #105 Bellingham, WA 98225-4038 (360) 778-5010

Agenda Bill Master Report

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RKlein@co.whatcom.wa.us

Public Works Department

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Resolution Requiring a Public Hearing

Assigned to:

Council

09/24/2019 Agenda Date:

Enactment #: RES 2019-041

Final Action: 09/24/2019

Primary Contact Email: sdraper@co.whatcom.wa.us

TITLE FOR AGENDA ITEM:

Resolution adopting the Six-Year Water Resources Improvement Program (WRIP), 2020-2025

SUMMARY STATEMENT OR LEGAL NOTICE LANGUAGE:

Resolution by the Whatcom County Flood Control Zone District Board of Supervisors adopting the Six-Year Water Resources Improvement Program (WRIP) for 2020-2025. The adoption by resolution is pursuant to the Revised Code of Washington (RCW 86.15.110)

HISTORY OF LEGISLATIVE FILE

Date:	Acting Body:	Action:	Sent To:
09/10/2019	Council	INTRODUCED FOR PUBLIC HEARING	Council
09/24/2019	Council	APPROVED	

PROPOSED BY:	Public Works
INTRODUCED:	9/10/19

RESOLUTION NO. 2019-041

(A Resolution of the Whatcom County Flood Control Zone District Board of Supervisors)

WHATCOM COUNTY FLOOD CONTROL ZONE DISTRICT SIX-YEAR WATER RESOURCES IMPROVEMENT PROGRAM FOR THE YEARS 2020 THROUGH 2025

WHEREAS, pursuant to RCW 86.15.110, flood control or storm water control improvements may be extended, enlarged, acquired, or constructed by a zone pursuant to a resolution adopted by the Board of Supervisors; and

WHEREAS, Whatcom County Public Works Department on behalf of the Flood Control Zone District has prepared a Six-Year Water Resources Improvement Program for adoption; and

WHEREAS, pursuant to RCW 86.15.120, the supervisors shall hold a public hearing prior to adopting the resolution; and

WHEREAS, the Six-Year Water Resources Improvement Program attached hereto as Exhibit "A" has been reviewed and determined to be consistent with the County's comprehensive plan and is consistent with the following plans:

- Lower Nooksack River Comprehensive Flood Hazard Management Plan, October 1999
- Jones Creek Debris Flow Study, March 2004
- WRIA 1 Salmon Recovery Plan, October 2005
- Birch Bay Comprehensive Stormwater Plan, July 2006
- Lake Whatcom Comprehensive Stormwater Plan, March 2008
- Lake Samish Basin Comprehensive Stormwater Plan, July 2012
- Lake Whatcom Management Program 2020-2024 Work Plan, in preparation
- Nooksack River System-Wide Improvement Framework, June 2016; and

WHEREAS, pursuant to RCW 86.15.110, for constructed improvements the preliminary engineering studies are on file with the Whatcom County Public Works Department; and

WHEREAS, pursuant to RCW 86.15.110, the estimated cost of the acquisition or construction of the improvement, together with supporting data is included in the Six-Year Water Resources Improvement Program; and

WHEREAS, the improvements will benefit one or more zones, subzones and the county as a whole;

NOW, THEREFORE, BE IT RESOLVED by the Whatcom County Flood Control Zone District Board of Supervisors as follows:

That the Whatcom County Flood Control Zone District Six-Year Water Resources Improvement Program for the years 2020 through 2025, which is attached hereto as Exhibit "A", is hereby adopted.

APPROVED this _24th day of _September ____, 2019.

Dana Brown Davis, Clerk of the Council

APPROVED AS TO FORM:

Flood Control Zone District Board of Supervisors

WHATCOM COUNTY, WASHINGTON

Rud Browne, Chair

Christopher Quinn, Senior Deputy Prosecuting Attorney

			Q	2	\$ 250,000 BBWARM				(1. 1.04)	
250,000	<i>N</i>		W.	W				07-030	16 toward stormwater improvements as part of larger road fund project	-
			28 5	m .					Birch Bay Drive & Pedestrian Facility Project: BBWARM contribution	
000,08			2	ě i						
8	MSWARII 000'08 S	36 36	PR	35 W	₽W/	PW PR	PE		Normar Place Drainage Improvements (BP-1): Upsize pipes, replace	
200,000			CN	X.					1	
	\$ 50,000	8W S 150,000 MET 9E	RW	WS.	aw 34	RW.	R.W		Morrison Ave & Terrill Drive Drainage Improvements (TC2-1): Install 14 new storm drain line on Morrison Ave and Willow Drive, replace and	_
/50,000	W \$ 500,000 BBWARM		Q	W.					+	Τ.
	MENMBE 000'05 \$	PE \$ 50,000 REET	#E \$ 150,000 REET	J. J.					Hillsdale Drainage Improvements, Phase 1 (HC-1): Upsize pipes, 13 replace CRs install new drain line replace blind tee connections on	
\$ 1,220,000		\$ 1,000,000 DOE Grant	\$ 20,000	N W				13-007	-	Π.
- 1		MEVMBE 000'05 \$ 3d	\$ 50,000	PE \$ 100,000 BBWARM			30	-	Wooldridge Ave & Sunset Drive Drainage Improvements (TC-2):	
255,000	2 8		\$ 110,000	worker c			CZ	-	-	Ι.
			35	ME 5 60,000 BRANNEN	\$ 75,000 BRWARM			07-242	Holeman Avenue Storm Drain Improvements (PW-1): Replace CBs, 11 upsize culverts, re-establish ditch on Holeman Avenue Storm Bay	
	*		Q	\$ 45,000					פוזט בתואפור מוזמפו מווכנו מאל בעואפ	Г
\$ 440,000			RW	co.				18-008	10 existing tide gate structure and repair embankment, install Type 2 CB and culved under Sirch Bay Drive	-
			36	E 5 55,000 BBWARM	PE \$ 130,000 85WARM	PE	PE \$ 10,000 BBWARM			
			Ω	2	\$ 175,000 REFT		CZ	┡	L	T
385 000			RE PE	W	\$ 40,000 BBWARM	\$ 160,000 BEWARM	5 10,000 BBWARM	18-009 18	Semiahmoo Drive Drainage Improvements - North (BP-Z) and South (BP-5): Upsize culverts and re-establish roadside ditch on east side of	
	×		Q	CN		\$ 850,000 BBWARM			water directly to Birch Bay	Т
\$ 1,610,000		CN	CN	CN		\$ 200,000 REET		07-217	8 install new high level system along Harborview Road to carry upland	
	E-m		Wa Wall	W	WR	W BBWARM	RW SOU, DOO BEWARM		Harborview Road Drainage Improvements (CR-1): Install new low-	
			06			S 300 non secures	S 350 000 DBWASAN		BIRCH BAY WATERSHED & AQUATIC RESOURCES MANAGEMENT	
			2 5	CX	The second second					Г
\$ 145,000		\$ 20,000 REET	SW W	W				17-001	7 upgrades to improve water quality-vaults, biofiltration swales, channel restoration	
	E 3 75,000 REET	1350 000,011	DOD'OT \$	P. A					Strawberry Point/Lake Whatcom Blvd: Constuction 2025. System	
	900,000	2.2		CK.						T
\$ 840,000	5 530,000 9557	WE WE	RW \$ 20,000 REET	W				16-010	water quality -biofiltration swales, reduce ditch erosion	_
		REET PE \$ 75,000 REET PE	115,000	PE 5 10,000 RET	PE	10 E	m m	_	South Bay Drive: Constuction 2024. System upgrades to improve	
	2	The state of the s	9							Г
\$ 620,000		\$ 410,000 REET	RW	NW \$ 10,000 REEF				15-002	5 System upgrade to improve water quality-bioinfiltration swales, filter vaults, media filter drains, and rain gardens	_
		94 PG	PE 5 75,000 REET	34 S 115,000 MEET	\$ 10,000 REET				Glen Cove Lane/Lakeside Street (LW CIP-20): Construction 2023	
	XX		5 580,000	2.5					cumacodum	
\$ 790,000		WE		W	\$ 10,000 REET			14-003	4 End of pipe, media filtration, and natural drainage system	
	n m		P. P.	PE \$ 75,000 REET	\$ 115,000 REET	\$ 10,000 REET			Lowell Drive and Cedarbrook Court (LW CIP-19): Construction 2022	
			S S	CN \$ 600,000 REET					מונט טענימו ז בעיטונט	
\$ 780,000			WE	RW.		\$ 10,000 REET		13-004	Sudden Valley (LW CSP# CIP-16, CIP-17): Drainage systems upgrades	
) m) 2		THE COLUMN	(A (\$ 130,000 REET	5 30,000 REET	\$ 10,000 REET			\neg
		5 600,000 REET	CN CN	2 2	\$ 260,000 REET		CN CN	-		
\$ 1,160,000			RW	\$ 20,000			\$ 10,000 REET	07-095	Silver Beach Creek Phase I & II (LW CSP# CIP-04, CIP-06): Phase I instal WQ treatment system_Phase II, Main channel restoration below	
	, i 2		p (2	PE \$ 120,000 KEET	\$ 30,000 REET	\$ 110,000 REET	\$ 10,000 REET			T
	2	C	Q	2	2	CN \$ 450,000 REET	C			
630,000			e e	PE RW			\$ 10,000 REET	14-002	Northshore Drive, Edgewater Lane (LW CIP-18): System upgrades to improve water guality by installing water guality treatment facilities	
	45		34	28			\$ 160,000 BEET		LAKE WHATCOM STORMWATER	T
iotal	hase Amount Source	urce Phase Amount Source P	Phase Amount Sou	Phase Amount Source	Phase Amount Source	Phase Amount Source	Phase Amount Source		No.	2
4	2025	2024	2023	2022	2021	2020	Previous Expenditures	76	_	77

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EXHITBIT A UPDATED 08/26/2019

No. Project Description	ID No.	BES	Previous Expenditures	2020	2021	2022	2023	2024	
LAKE SAMISH STORMWATER		Ħ		50,000		an interest in the second	se lenoth butter	Printe Jamouri. Downse	
17 Shallow Shore Drive Drainage Improvements	18-007	44,4	SW SW	CM S DOVING NEED	RW P	CN \$ 180,000 CN		0 8	Q RW P
RIVER & FLOOD								10.7	4.1
			RW 5 494,000 FCZD RW 5 802,000 FEMA Fed/State grant	RW 5 64,000 FCZD RW 5 96,000 FEMA Fed/State grant	000'001\$ MB	\$100,000	\$100,000	RW \$100,000	RW \$100,000
Narretta Acquisition Acquire properties in repetitive flood loss area	07-002	79.6	CN \$ 166,000 FCZD CN \$ 258,000 FEMA Fed/State grant CN \$ 28,000 ESRP grant	CN \$ 20,000 FCZD CN \$ 135,000 FEMA Fed/State grant	CN 525,000	S25,000 CN	\$25,000	CN \$25,000	CN \$25,000
19 Truck Road Emergency Erosion Protection Install passive riprap to protect road; mitigation needed in 2020	18-002	59.4	\$ 16,000	PE \$ 50,000 FCZD/Reads (50/50)	CV PE			2.8	2 28 5
Abbott Levee Erosion Protection Construct interim measures for erosion protection for levee and adjacent road	18-005	5,33	\$ 75,000	PE CN \$ 460,000 FC20/Roads (50/50)	2 2 %			3.5 %	Q PE
2.1 Red River Levee Stabilization Restore levee prism and bank protection (SWIF project)	16-004	52.9	PE \$ 28,000 :FCZD CN \$ 200,000 :FCZD/Lummi**	45	PE :			S W	O R 9
Twin View Levee Improvements Widen levee crest and flatten backslope at two sites (SWIF project)	16-002	50.3		\$ 15,000	PE \$ 15,000 CN \$ 250,000		of the second	N P	P
7		1	PE \$ \$0,000 FCZD	PE \$ 75,000 FCID	,			36	PE
culverts through levee with one larger culvert (SWF project) and repair 2 damaged levee sites (USACE)	16-003	64.5	QW	88	CN \$ 1,000,000			S S	8 8
24 Bertrand Creek Levee Stabilization Restore right and left levee prisms and install bank protection (SWIF project)	16-005	54.4	DE DE	CV W	PE S 20,000	5 20,000		X X	CN PE
			PE \$ 600,000 FCZD RW \$ 122,000 FCZD	PE \$ 77,000 FCZ0 PE \$ 33,000 Roads	PE \$ 35,000 FCZD PE \$ 15,000 Roads	\$ 125,000 FC20 \$ 50,000 Roads	200000000000000000000000000000000000000	W .*	PE
address local access	07-105	70.6	1 1	\$ 225,000	\$ 300,000	\$ 3,000,000 FCZD		N W	CN
Abbott Levee Upstream Tie-In – Extend and realign upstream end of	16-007	70.4	\$ 140,000	PE \$ 200,000 FCZD/Roads (50/50)	PE \$ 75,000 FCZ0/Roads	PE \$ 75,000 FC20/Roads	\$ 150,000 FCZD	W .W	PE S
Neevel Levee Bank Stabi		T	CN	DE CV	Q	* 20,000	\$ 1,170,000 Roads	N	2 0
levee (SWIF project)	16-008	49 3	CN	OX.	2	5 400,000	\$ 150,000	32 at	C PE
28 Devries Levee Improvements – Widen and establish full crest width and backslope levee (SWIF project)	19-001	49.3	CN PE	PE PE	CN PR	\$ 25,000	\$ 25,000	Z m	O P
Upper Hampton Levee Improvements – Widen levee crest and flatten backslope at two sites and address seepage at a third site	16-006	70,4	PE	WA See	W		\$ 25,000	S 100,000	P. P.
(SWIF project)			OF .	e came				,	CN \$ 500,000
Ferndale Levee Improvement – Reconstruct and realign Ferndale and Treatment Plant Levees to Improve level of protection and address	07-104	689	WE	PE \$ 240,000 DOEgrant	RW \$ 250,000	\$ 250,000	\$ 100,000	W 5 50,000	Ī
	9	g	SS		22			N \$ 2,000,000	CN \$ 5,000,000
Glacier-Gallup Alluviat Fan Restoration - Remove all or part of Glacier	18-006	XX 0	PE \$ 310,000 FCZD	PE \$ 50,000 FCZ0 PE \$ 200,000 DOE grant	PE \$ 200,000	5 200,000	\$ 100,000	3, 100,000 E 3 100,000	DE \$ 100,000
Creek levee and construct setback levee along Gallup Creek			CN		RW		\$ 500,000	M. 2 100'000	RW \$ 100,000
Floadplain Acquisition — Acquire key properties for future levee reconfiguration to reduce risk and improve babitat	07-002	79.6	RW 5 100,000 FCZD	\$ 200,000	RW \$ 1,000,000			W	RW.
remunitation and the local section of the local sec			PH NVV	50	PE \$ 25,000	\$ 25,000	\$ 25,000	W 5 25,000	PE \$ 25,000
33 Emergency/New Projects - Typically repair projects that result from new damage, as needed	08-003	varies	CN		RW \$ 350,000	RW 5 350,000 CN	5 350,000	RW \$ 350,000	en c
NOTE: Numbers in italits are placeholders for projects still being conceived.		T						1	
*Previous expenditures includes work contracted in 2019 that will continually appropriate into 2020. **Construction in 2020 under 2019 continuing appropriation	nually appr						The second secon		
		opriate in	10 2020.						