

PROPOSED BY: Public Works

INTRODUCTION DATE: 11/06/2019

RESOLUTION NO. _____

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

**ADOPTING THE 2020 BUDGET FOR THE
WHATCOM COUNTY FLOOD CONTROL ZONE DISTRICT AND SUBZONES**

WHEREAS, RCW 86.15.140 requires that the Board of Supervisors of each flood control zone district and subzone adopt an annual budget for the zone; and

WHEREAS, the statute further requires that the zone or subzone budget be divided into four appropriation items: overhead and administration; maintenance and operation; construction and improvements; and bond retirement and interest; and

WHEREAS, under the appropriation item for construction and improvements, the Board is required to list each flood control improvement or storm water control improvement planned for the budget year and the estimated expenditure for each during the next year; and

WHEREAS, the budget may only be adopted after a public hearing for which proper notice has been given; and

WHEREAS, Fund No. 169 is managed by the County on behalf of the Whatcom County Flood Control Zone District for purposes of funding flood control, storm water management, and other water resources work by the County that are consistent with the powers of the District under RCW 86.15 and RCW 39.34.190; and

WHEREAS, funds obtained by the County through grants or cooperative agreements for flood control and other water resources work are also managed through Fund No. 169; and

WHEREAS, the 2020 budget proposed by the County Executive for the Whatcom County Flood Control Zone District includes proposed expenditures out of Fund 169 to pay for flood control, storm water management, and other water resources work consistent with the powers of the District under RCW 86.15 and RCW 39.34.190;

NOW, THEREFORE, BE IT RESOLVED by the Board of Supervisors as follows:

Section I. Approval of the Budget

The Board hereby adopts the 2020 budget for the Flood Control Zone District Fund No. 169 in the amounts set forth in the document titled Whatcom County 2020 Budget and as modified and presented below and in Exhibit A:

OVERALL BUDGET SUMMARY

Budget Code	Program	RCW Appropriation Item	2020 Budget	
			Revenues	Expenditures
169100	Administration	Overhead & administration	\$5,080,692	\$846,279
169119	Natural Resources Administration	Overhead & administration	-	615,958
169120	AIS Administration	Overhead & administration	-	-
169121	Water Planning Administration	Overhead & administration	-	111,436
169100	Stormwater Administration (Transfer)	Overhead & administration	-	447,843
169102	Flood Response	Maintenance & operations	-	110,000
169104	Flood Planning	Maintenance & operations	380,000	925,000
169106	Technical Assistance	Maintenance & operations	-	76,000
169108	NFIP and CRS	Maintenance & operations	16,000	177,000
169110	Early Warning	Maintenance & operations	4,400	135,000
169119	Natural Resources Operations	Maintenance & operations	591,500	1,492,013
169120	AIS Operations	Maintenance & operations	-	141,590
169121	Water Planning Operations	Maintenance & operations	67,950	372,950
169100	Stormwater Lake Whatcom Operations (Transfer)	Maintenance & operations	-	836,000
169700	Stormwater NPDES Phase II	Maintenance & operations	-	187,480
169100	Stormwater Lake Whatcom Capital (Transfer)	Construction & improvements	-	-
169112	Repair and Maintenance	Construction & improvements	292,000	1,120,439
169114	Flood Hazard Reduction	Construction & improvements	2,408,340	3,704,640
Total 2020 FCZD Budget			\$8,840,882	\$11,299,628
			\$(2,458,746)	

Code	Program		Revenues	Expenditures
16923	Acme/VanZandt Subzone	Overhead & administration	-	\$1,500
16925	Birch Bay Subzone	Overhead & administration	-	384,351
16921	Lynden/Everson Subzone	Maintenance & operations	42,489	40,000
16922	Sumas/Nooksack/Everson Subzone	Maintenance & operations	135,790	19,000
16923	Acme/VanZandt Subzone	Maintenance & operations	27,167	6,501
16924	Samish Watershed Subzone	Maintenance & operations	22,210	19,950
16925	Birch Bay Subzone	Maintenance & operations	798,500	96,700
16921	Lynden/Everson Subzone	Construction & improvements	-	82,000
16922	Sumas/Nooksack/Everson Subzone	Construction & improvements	-	195,000
16923	Acme/VanZandt Subzone	Construction & improvements	-	30,000
16925	Birch Bay Subzone	Construction & improvements	-	1,578,000
Total of 2020 FCZD Sub-Zone Budgets			\$1,026,156	\$2,453,002
			\$(1,426,845)	

Section II. Provisions Restricting Expenditures, Authorizing Actions, and Setting Expectations.

For purposes of purchasing and award, projects listed in the attached exhibit (B) FCZD Construction and Improvements Work Plan shall be administered pursuant to WCC Chapter 3.08.100 A.(2) and A.(3) using the process prescribed for capital budget appropriations. Contracts for goods and services on individual items or projects listed in Exhibit (B) may be exceeded by up to 10%, provided expenditures in total do not exceed the total appropriation for the FCZD construction and improvement Work Plan.

APPROVED this ____ day of _____, 2019.

ATTEST:

WHATCOM COUNTY
FLOOD CONTROL ZONE DISTRICT BOARD
OF SUPERVISORS
WHATCOM COUNTY, WASHINGTON

Dana Brown-Davis, Clerk of the Council

Rud Browne, Chair of the Council

APPROVED AS TO FORM:



Civil Deputy Prosecutor

Exhibit A
Flood Control Zone District
2020 Budget
Work Plan and Supporting Documentation

DETAIL FOR FCZD PROGRAM AREAS

FLOOD MAINTENANCE AND OPERATIONS

Flood Response (169102)	Proposed 2020 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 10,000	
Sand and sandbags		\$ 35,000	Includes pre-deployed and sand bags for training
Preparedness training		\$ 5,000	Road and M&O employees and equipment
Sector observers during response		\$ 40,000	Road employees wages and benefits for 1 significant flood event
Construction contracts		\$ 20,000	During and immediately following response
TOTAL	\$ -	\$ 110,000	Budget based on 2009 flood with cost & wage increases
NET IMPACT TO FUND BALANCE	\$ (110,000)		2019 YE projection assumes fall flood

Flood Planning (169104)	Proposed 2020 Budget		Assumptions/Notes
	Revenues	Expenditures	
Lower Nooksack			
Wage and Benefits		\$ 150,000	
CFHMP refinement/update			
Facilitation		\$ 50,000	New budget authority in 2020 for unspent balance and amendment
Hydraulic modeling/alternatives analyses		\$ 100,000	2019 PO's \$60k WSE; 44k LandC
FLIP process support/Engineering design/Plan	\$ 155,000	\$ 175,000	CA into 2019 of 107k; Revenues are NEP funding
Structure surveys in overflow corridors	\$ 75,000	\$ 75,000	2019 til effort defined; Revenues are NEP funding
Geomorphic reach analyses		\$ -	2019 PO to finish contract
Sediment management		\$ 200,000	2020 contract for USGS ongoing investigation
Habitat assessment		\$ -	2019 PO + 22k CA to spend contract balance; revenues are SRFB
Flood event mapping		\$ -	
Reach 1 Sediment	\$ 150,000	\$ 150,000	NEP-funded USGS Study; CA'd into 2019, 2020 BA for balance
High water mark survey		\$ 25,000	Assumes flood each year
TOTAL	\$ 380,000	\$ 925,000	
NET IMPACT TO FUND BALANCE	\$ (545,000)		

Technical Assistance (169106)	Proposed 2020 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 75,000	
Postage for Special District reassessments		\$ 1,000	CDID#5 to be updated in 2020 with improved parcel coverage
TOTAL	\$ -	\$ 76,000	
NET IMPACT TO FUND BALANCE	\$ (76,000)		

National Flood Insurance Prgm (169108)	Proposed 2020 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 150,000	
FEMA Floodplain mapping		\$ 12,000	Assumes LNR mapping in 2020 - expenditures for public meeting notice
Permit reviews	\$ 16,000		Flood permit fees
Public education/CRS activities		\$ 15,000	CRS mailings
TOTAL	\$ 16,000	\$ 177,000	
NET IMPACT TO FUND BALANCE	\$ (161,000)		

Early Warning System (169110)	Proposed 2020 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 5,000	
Nooksack River gages - USGS		\$ 103,000	No PO for 18/19 contract written in 2018 so use 2019 BA for it
Everson MainSt stage gage _ USGS	\$ 4,400		Canadians reimburse cost to maintain gage; AVZ pays for Jones gage directly
WWU camera on Swift Creek slide			Discontinued
Emergency access to SNOTEL		\$ 5,000	
Equipment for gage upgrades/repairs		\$ 12,000	Equip at NF gage may need replacing
Repairs and maintenance		\$ 10,000	
TOTAL	\$ 4,400	\$ 135,000	
NET IMPACT TO FUND BALANCE	\$ (130,600)		

Exhibit A
Flood Control Zone District
2020 Budget
Work Plan and Supporting Documentation

FLOOD CONSTRUCTION AND IMPROVEMENTS			
Repair and Maintenance (169112)	Proposed 2020 Budget		Assumptions/Notes
	Revenues	Expenditures	
Wage and Benefits		\$ 90,000	
Misc			
Construction Projects			
Emergency/new projects as needed	\$ 50,000	\$ 350,000	Assumed costs for responding to flood/new repairs (fall 2019 flood assumed); increased due to cost of recent emergencies
Miscellaneous repair projects		\$ 50,000	Placeholder for small projects; fall 2019 flood assumed
Marine Drive Levee Repair		-	Final payment and retainage; as-built, jail crew
Truck Road Emergency Bank Protection	\$ 25,000	\$ 50,000	50/50 cost-share with Roads; \$50,000 (net Flood Contribution for 2019 mitigation payment to habitat project
Red River Levee Stabilization (SWIF)		\$ 30,000	ILA w/ Lummi signed in 2019 - PO for 170k will CA; 2020 BA for misc costs outside of ILA
Hannegan Levee Rehabilitation (USACE)		-	20% cost-share to USACE; revenues from LE Subzone (30% of FCZD cost-share); title reports done in 2018
Abbott Levee Erosion Protection	\$ 200,000	\$ 400,000	Assumes Roads pays 50%; plan and implement interim flood response measures; improvement project budgeted under 114
Sande-Williams Levee Rehabilitation (USACE/DD2)	\$ 17,000	-	USACE cost-share split 80/20 between FCZD and DD#2
Twin View Levee Rehabilitation (USACE)		-	20% cost-share to USACE (67k); revenues from SNE Subzone (30% of FCZD cost-share); title reports (2k) done in 2019
Mitigation Planning/Implementation			
Jail crew		\$ 117,439	Jail crew labor for FCZD and SWIF projects; available to diking or subzones
Reveg planning/coordination		\$ 23,000	2017 contract with CD, CA into 2018; new contract in 2019
Reveg/misc supplies		\$ 10,000	Increased to cover plant replacement costs for Deming and other past projects as needed
TOTAL	\$ 292,000	\$ 1,120,439	
NET IMPACT TO FUND BALANCE	\$ (828,439)		
Flood Hazard Reduction (169114)			
		Proposed 2020 Budget	
		Revenues	Expenditures
			\$ 305,000
Wage and Benefits			
Misc			CA'd twice to 169114 and 716002
Swift Creek			
Bank stabilization/channel excavation		\$ 105,000	300k commitment per year; 150k Roads; remainder cost-shared 70/30 b/w FCZD and SNE Subzone
Lower Nooksack River			
Marietta property acquisition & demo (FEMA FMAG-716002)	\$ 231,560	\$ 264,640	Acquisition of 3 Turk parcels in 2019; assumes demo and 4th property acquisition/demo in 2020
Marietta property acquisition & demo New properties		\$ 50,000	Teeters cultural, asbestos, demo; Phase 2 ESA for Turk properties
Leases for agriculture	\$ 3,780	-	River Rd and Emmerson Rd properties
Floodplain acquisition	\$ 800,000	\$ 1,000,000	2019 is for Reach 1 property with USFS funding thru WDFW and initial property(ies) under FbD grant, with remainder in 2020
Ferndale Levee Improvement Project Phase 1	\$ 240,000	\$ 300,000	Survey, hydraulic analysis, alternatives analysis, conceptual design in 2018/19; supplement if FbD grant awarded in 2019
Lynden Levee Improvement Project (in conjunction with USACE rehab project)		\$ 75,000	USACE rehab in 2021 to include culvert replacement; survey, hydraulics, wetland/permitting for channel relocation by FCZD
Rayhorst Levee Improvements		-	Design, permit and construct project to widen and backslope levee
Abbott Levee Improvement (SWIF)	\$ 100,000	\$ 200,000	Assumes Roads pays 50%; design and RW
Jones Creek Deflection Berm (712004)			
Berm and bridge design	\$ 33,000	\$ 110,000	2019 contract will CA into 2020; design cost-shared 70/30 with Roads
Land/easement acquisition	\$ 800,000	\$ 1,025,000	Purchase of parcels/easements for berm/road construction; 2019 Kosmic 1st payment of 3; 2020 exp for appraisals/relocation asst; revenues from FbD
Construction		-	Construction likely in 2022
High Creek Sediment Management			
Sediment trap/channel improvement design		-	WSE post-project monitoring report
Sediment trap/channel imp. construction		-	JIJ contract CA into 2019- includes 2019 trap maint; 4k planting
Sediment trap maintenance		\$ 20,000	2019 Plants (16k) maintenance, 2020 trap maint
Glacier-Gallup Creek Alluvial Fan Restoration			
Feasibility study/concept design		-	Risk assessment and alternatives analysis by BGC; 39k was CA
Outreach		-	NHC contracted in 2019
Preliminary design	\$ 200,000	\$ 250,000	Revenues from FbD grant
City of Lynden - Pepin Creek			
Funding for downstream analysis		-	ILA executed in 2016 and CA'd into 2017 for reimbursement of City's expenses; new 2018 budget for balance, may CA into 2019
TOTAL	\$ 2,408,340	\$ 3,704,640	
NET IMPACT TO FUND BALANCE	\$ (1,296,300)		

Exhibit A
Flood Control Zone District
2020 Natural Resources Budget
Work Plan and Supporting Documentation

Natural Resources (169119)	Proposed 2020 Budget		Assumptions/Notes
	Revenues	Expenditures	
NATURAL RESOURCES ADMINISTRATION			
Staff		\$ 325,319	Includes salary for 2.5 FTEs and overtime.
Office and operating		\$ 290,639	
TOTAL	\$ -	\$ 615,958	
NET IMPACT TO FUND BALANCE	\$ (615,958)		
NATURAL RESOURCES OPERATIONS			
Salmon Recovery			
Staff		\$ 134,959	1 FTE
Restoration effectiveness monitoring, adaptive management, and stewardship		\$ 59,440	WCC crew restoration activities
Maintaining existing restoration projects*		\$ 89,160	WCC crew contract for maintaining previously planted projects
New restoration projects*		\$ 30,000	Contracted services for activities supporting planting, fencing, culvert replacement, etc.
Marine Resources Committee			
Staff	\$ 91,500	\$ 97,940	0.95 FTE
MRC restoration projects		\$ 8,706	MRC grant funding minus labor
Water Quality/Pollution Identification & Correction			
Program Coordination		\$ 134,959	Program Coordinator (1 FTE)
Water Quality Monitoring		\$ 242,070	Sampling personnel, lab contract, one vehicle, equipment (1 FTE + extra help)
Data Management	\$ 88,676	\$ 88,676	WCD Data Manager
Technical Assistance	\$ 96,066	\$ 96,066	WCD Farm Planners
Community Outreach	\$ 104,082	\$ 168,215	Outreach staff, WCD staff, supplies
Incentives	\$ 22,500	\$ 42,500	OSS and small farm cost share
Compliance	\$ 88,676	\$ 88,676	PDS Staff
Coordination and Planning			
Lake Whatcom Homeowner Incentive Program		\$ 60,646	Staff time only (0.5 FTE); contracted services under Stormwater budget
CosMos	\$ 100,000	\$ 125,000	CosMos Project \$125 with funding (RD 40%, BB 10%, GF 30%)+10k for additional buoys
WSU Extension outreach services		\$ 25,000	
TOTAL	\$ 591,500	\$ 1,492,013	
NET IMPACT TO FUND BALANCE	\$ (900,513)		
TOTAL FOR COST CENTER	\$ 591,500	\$ 2,107,971	
		\$ 1,516,471	
*Integrated Salmon Recovery/Flood Hazard Reduction capital and planning projects appear under Cost Center 169114 and 169104.			
Acquatic Invasive Species (169120)			
		Proposed 2020 Budget	
	Revenues	Expenditures	Assumptions/Notes
AIS OPERATIONS			
Coordination and Planning			
Education and Inspection		\$ 132,840	Contribution to City for AIS Program; includes COB program cost increase
Interlocal Agreement (COB)		\$ 8,750	Contracted services for online course/website support
AIS online education program website maintenance			
TOTAL	\$ -	\$ 141,590	
NET IMPACT TO FUND BALANCE	\$ (141,590)		
TOTAL FOR COST CENTER	\$ -	\$ 141,590	
	\$ -	\$ 141,590	

Exhibit A
 Flood Control Zone District
 2020 Natural Resources Budget
 Work Plan and Supporting Documentation

Water Planning (169121)	Proposed 2020 Budget		Assumptions/Notes
	Revenues	Expenditures	
WATER PLANNING ADMINISTRATION			
Staff		\$ 110,886	Watershed Planner
Office and operating		\$ 550	
TOTAL	\$ -	\$ 111,436	
NET IMPACT TO FUND BALANCE	\$ (111,436)		
WATER PLANNING OPERATIONS			
Coordination and Planning			
Hirst Response/Watershed Planning	\$ -	\$ 100,000	Contracts for watershed planning activities
LENS Groundwater Model	\$ -	\$ 100,000	Peer review and modification of gw model
LIO administration	\$ 67,950	\$ 67,950	Administration of LIO process
Stream Gauging		\$ 105,000	USGS Stream Monitoring/AESI GW Monitoring Contracts
TOTAL	\$ 67,950	\$ 372,950	
NET IMPACT TO FUND BALANCE	\$ (305,000)		
TOTAL FOR COST CENTER	\$ 67,950	\$ 484,386	

**Exhibit A
Lynden/Everson Subzone
2020 Budget
and Fund Balance Projections**

Fund balance as of December 31, 2018

2019 Estimated Revenues:

Assessment \$39,489
Interest earnings/penalties \$3,000

2019 Estimated Expenditures:

Levee vegetation maintenance \$25,000 brushing, spraying and hydroseed
Mole control/misc \$2,500 ACOE deficiency
Alternative corrections crew labor \$12,000 misc levee and mitigation
Address new ACOE deficiencies \$0 retaining walls/new problems
placeholder

Hannagan Levee Rehabilitation (USACE) \$12,186 6% of total project cost
Plant materials/maintenance supplies \$2,000 For mitigation
Cost-share/repairs as needed \$0
Coordination \$2,000 staff time

Total \$42,489 \$55,686

Projected December 2019 fund balance \$166,267

2020 Revenues - Proposed Budget

Assessment \$39,489
Interest earnings \$3,000

2020 Expenditures - Proposed Budget

Levee vegetation maintenance \$25,000 brushing, spraying and hydroseed
Mole control/misc \$5,000 ACOE deficiency
Alternative corrections crew labor \$10,000 misc levee and mitigation
maintenance
Address new ACOE deficiencies \$15,000 retaining walls/new problems
placeholder
Abbott erosion protection (interim measure) \$30,000 50/50 Road/Flood split on 200k
Cost-share/repairs as needed \$30,000 New damage
Coordination \$7,000 staff time

Total \$42,489 \$122,000

Projected December 2020 fund balance \$86,756

Exhibit A
Sumas/Nooksack/Everson Subzone
2020 Budget
and Fund Balance Projections

Fund balance as of December 31, 2018	\$1,334,618	(+)		(-)	Notes
2019 Estimated Revenues:					
Assessment	\$117,790				
Interest earnings	\$18,000				
2019 Estimated Expenditures:					
Levee vegetation maintenance					\$5,000 brushing and spraying
Fuel					\$6,500 Fuel for pumps
Mitigation monitoring and maintenance					\$1,000 supplies
Alternative corrections crew labor					\$6,000 misc maintenance
Cost-share for Swift Creek project					\$45,000 150k Road fund, 105K FCZD
					fund also transferred for
					\$300k/yr
Twin View Levee Rehabilitation					\$20,700 6% of total project cost
Pump station installation (Oat Coles)					\$20,000
Total	\$135,790				\$104,200
Projected December 2019 fund balance	\$1,366,208				
2020 Revenues - Proposed Budget					
Assessment	\$117,790				
Interest earnings	\$18,000				
2020 Expenditures - Proposed Budget					
Levee vegetation maintenance					\$5,000 brushing, spraying and hydroseed
Electric for pump station					\$1,000
Mitigation monitoring and maintenance					\$3,000 supplies and crew
Additional pump if needed					\$10,000 evaluate need after winter
Transfer to Swift Creek project fund					\$45,000 150k Road fund, 105K FCZD
					fund also transferred for
					\$300k/yr
Cost-share/repairs as needed (new damage)					\$150,000 30% of \$500,000 project
Total	\$135,790				\$214,000
Projected December 2020 fund balance	\$1,287,998				

Exhibit A
Acme/Van Zandt Subzone
2020 Budget
and Fund Balance Projections

Fund balance as of December 31, 2018	\$328,587	(+)	(-)	Notes
2019 Estimated Revenues:				
Assessment	\$23,167			
Interest earnings	\$4,000			
2019 Estimated Expenditures:				
Cost-share/repairs as needed			\$0	
M&O for Jones Creek stage/prec gage			\$6,312	9 month operation with telemetry
Admin support for meetings/minutes			\$500	
Total		\$27,167	\$6,812	
Projected December 2019 fund balance	\$348,942			
2020 Revenues - Proposed Budget				
Assessment	\$23,167			
Interest earnings	\$4,000			
2020 Expenditures - Proposed Budget				
Cost-share/repairs as needed			\$30,000	30% of 100k project
M&O for Jones Creek stage/prec gage (9 month operation)			\$6,501	9 month operation with telemetry
Admin support for meetings/minutes			\$1,500	
Total		\$27,167	\$38,001	
Projected December 2020 fund balance	\$338,108			

**Exhibit A
Birch Bay Subzone
2020 Budget**

Object Account	Administrations/ Personnel 2020	Program Development & Management 2020	Capital Improvement Projects 2020	Maintenance, Small Works, & Scoping 2020	Water Quality Monitoring 2020	Education & Outreach 2020	Habitat Improvement 2020	Total 2020	2020 Break Out		
									Overhead/ Admin A	M&O O	Construction C
Salaries & Wages	59,436		69,540					128,976			
Extra Help	27,000							27,000			
Overtime	4,000							4,000			
Benefits	46,462		51,460					97,922			
Total Salaries & Benefits	136,898		121,000					257,898	136,898		121,000
Unrealized Gain (Loss)	0							0			
Office & Operating Supplies	1,000					4,800	15,000	20,800	5,800		15,000
Office & Oper. Supplies-Interfunc	200					3,000		3,200	200		
Printing	200							200	200		
Books/Publications/Subscrip	200				100			300	200		
Tools & Equipment	1,500							1,500	1,500		
Extraordinary Ops	50,000							50,000	50,000		
Contractual Services	68,000	10,000		5,000	12,500			17,500	17,500		
Professional Services	1,218		220,000	39,000		1,500		338,500	68,000	11,500	259,000
Building Maintenance								1,218	1,218		
Construction Contracts				12,000		3,000		15,000	0	3,500	127,000
Other Services-Interfund	500		115,000					115,500	0		
Postage/Shipping/Freight	100							100			
Postage-Interfund	920							920	920		
Telephone	1,000							1,000	1,000		
Travel-Educc/Training	1,500							1,500	1,500		
Advertising	200					800		1,000			
Equipment Rental	200							200			
Space Rental	1,500	1,000				250		3,250	1,250		
Space Rental-Interfunc	641							641	1,500		
Insurance Premium - Interfunc											
Repairs & Maintenance											
Repairs & Maintenance - Interfunc	2,100			10,500				12,600	2,100	10,500	
Registration/Tuition	13,425	300		29,000				42,725	2,100	29,000	
Meeting Refreshments						200		200	13,425	500	
Administrative Cost Allocation											
Other Miscellaneous											
Other Miscellaneous-Interfunc			4,000	2,000				6,000			6,000
Intergov. Professional Services						20,000		20,000		20,000	
Capital Outlays - Other Improvements			1,050,000	0				1,050,000			1,050,000
Operating Transfer Out - Gen Fd	18,929							18,929	18,929		
Operating Transfer Out - Flood									12,500		
Operating Transfer Out - Sirm BBWARM	66,770	12,500						79,270	66,770		
Total Expenditures	366,601	23,800	1,510,000	97,500	12,600	33,550	15,000	2,069,051	384,351	96,700	1,578,000
							ASR 2019-6136	-12,500			
								2,046,551			2,069,051

Exhibit A
 Birch Bay Subzone
 2020
 Capital Budget

Capital
 Improvement
 Projects

Object Code	Project/Program	2020
Harborview Road Combined Drainage Imprv Phase I		
6630	PROFESSIONAL SERVICES	100,000
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	1,050,000
6699	OTHER SERVICES INTERFUND	100,000
7199	OTHER MISC INTERFUND	
6100	SALARIES AND WAGES	100,000
Semiahmoo Drive Drainage Improvements		
6630	PROFESSIONAL SERVICES	120,000
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	
6699	OTHER SERVICES INTERFUND	15,000
7199	OTHER MISC INTERFUND	4,000
6100	SALARIES AND WAGES	21000
Total Expenditures		1,510,000
<hr/>		
Object Code Totals		
6630	PROFESSIONAL SERVICES	220,000
6699	OTHER SERVICES INTERFUND	115,000
7199	OTHER MISC INTERFUND	4,000
7380	CAPITAL OUTLAYS - OTHER IMPROVEMENTS	1,050,000
6100	SALARIES AND WAGES	121,000
Total Expenditures		1,510,000

Exhibit B
 Whatcom County Flood Control Zone District
 Flood Capital Program
 2020

Department	Fund	Database ID No.	Project Title	Year	Cost
Flood Capital Program					
Public Works	Flood Fund	07-002	Marietta Acquisition	2020	\$ 315,000
Public Works	Flood Fund	18-002	Truck Road Emergency Erosion Protection	2020	\$ 100,000
Public Works	Flood Fund	18-005	Abbott Levee Erosion Protection	2020	\$ 460,000
Public Works	Flood Fund	16-004	Red River Levee Stabilization	2020	\$ 30,000
Public Works	Flood Fund	16-002	Twin View Levee Improvements	2020	\$ 15,000
Public Works	Flood Fund	16-003	Lynden Levee Improvement	2020	\$ 75,000
Public Works	Flood Fund	07-105	Jones Creek Debris Flow Protection	2020	\$ 1,135,000
Public Works	Flood Fund	16-007	Abbott Levee Upstream Tie-In	2020	\$ 200,000
Public Works	Flood Fund	07-104	Ferndale Levee Improvement	2020	\$ 300,000
Public Works	Flood Fund	18-006	Glacier-Gallup Alluvial Fan Restoration	2020	\$ 250,000
Public Works	Flood Fund	07-002	Floodplain Acquisition	2020	\$ 1,000,000
Total					<u>\$ 3,880,000</u>
Public Works	BBWARM	07-217	Harborview Road Drainage Improvements P1	2020	\$ 1,350,000
Public Works	BBWARM	18-008	Semiahmoo Drive Drainage Improvements	2020	\$ 160,000
Total					<u>\$ 1,510,000</u>