



CITY OF BLACK DIAMOND
June 7, 2012 Workstudy Agenda
25510 Lawson St., Black Diamond, Washington

Workstudies are meetings for Council to review upcoming and pertinent business of the City. Public testimony is only accepted at the discretion of the Council.

5:30 P.M. – CALL TO ORDER, ROLL CALL

- 1.) Capital Improvement Plan (Public Works) - Ms. Miller
- 2.) Adjournment

City of Black Diamond

2013 – 2018

Capital Improvement Plan

PUBLIC WORKS

DRAFT

CIP Council Work Study Public Works

June 7, 2012

CIP Public Works Summary

Capital Improvement Plan 2013 - 2018

		Capital Plan 2013 - 2018						
		Total \$ Project 2013 - 2018	2013	2014	2015	2016	2017	2018
STREET PROJECTS								
T1	General Street Improvement	180,000	30,000	30,000	30,000	30,000	30,000	30,000
T2	SE 288th Street Overlay	150,000	150,000					
T3	Roberts Drive/State Rt 169 Roundabout	2,230,000	450,000	220,000	1,560,000			
T4	Morganville Intersection Improvements	100,000	40,000	60,000				
T5	Grant Matching Fund	240,000	40,000	40,000	40,000	40,000	40,000	40,000
T6	Rock Creek Bridge	510,000		80,000	430,000			
T7	Lawson Street Sidewalk	850,000			105,000	745,000		
T8	Roberts Drive Reconstruction	5,660,000			70,000	440,000	5,150,000	
T9	Pacific Street Neighborhood Improvements	420,000					70,000	350,000
T10	SR169 Widening at Lawson & Baker St.	1,550,000					350,000	1,200,000
T11	SR 169 Gateway Corridor Improvement	5,700,000				200,000	300,000	5,200,000
STREET PROJECTS		17,590,000	710,000	430,000	2,235,000	1,455,000	5,940,000	6,820,000
WATER PROJECTS								
W1	Springs and River Crossing Rehab Project	3,125,000	225,000	1,875,000	1,025,000			
W2	Reservoir Maintenance and Painting	115,000	15,000	100,000				
W3	5th Avenue Water Main Replacement	175,000	175,000					
W4	Fire Flow Loop to North Commercial Area	800,000		800,000				
W5	Springs Transmission Main Repl Phase I	800,000					100,000	700,000
WATER PROJECTS		5,015,000	415,000	1,975,000	1,825,000		100,000	700,000
WASTEWATER PROJECTS								
S1	Infiltration and Inflow Reduction Plan	180,000	30,000	30,000	30,000	30,000	30,000	30,000
S2	West BD Wastewater Lift Station Improv	360,000		30,000	250,000	80,000		
S3	Morganville Force Main Reroute	460,000				20,000	440,000	
S4	Cedarbrook Sewer Main	250,000			250,000			
S5	Public Works Facilities and Equipment	870,000		20,000			850,000	
WASTEWATER PROJECTS		2,120,000	30,000	80,000	280,000	380,000	1,320,000	30,000
STORMWATER PROJECTS								
D1	Lake Sawyer Road Culvert and Guardrail	320,000			70,000	250,000		
D2	Ginder Creek Stormwater Treatment Pond	830,000		80,000	750,000			
STORMWATER PROJECTS		1,150,000		80,000	820,000	250,000		
TOTAL PUBLIC WORKS CAPITAL PROJECTS		25,875,000	1,155,000	2,565,000	5,160,000	2,085,000	7,360,000	7,550,000

Street Department (Transportation Projects)

CAPITAL PROJECT SUMMARY

Expenditure Summary by Project

			Capital Plan 2013 - 2018					
STREET DEPARTMENT		Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
T1	General Street Improvement	180,000	30,000	30,000	30,000	30,000	30,000	30,000
T2	SE 288th Street Overlay	150,000	150,000					
T3	Roberts Drive/State Rt 169 Roundabout	2,230,000	450,000	220,000	1,560,000			
T4	Morganville Intersection Improvements	100,000	40,000	60,000				
T5	Grant Matching Fund	240,000	40,000	40,000	40,000	40,000	40,000	40,000
T6	Rock Creek Bridge	510,000		80,000	430,000			
T7	Lawson Street Sidewalk	850,000			105,000	745,000		
T8	Roberts Drive Reconstruction	5,660,000			70,000	440,000	5,150,000	
T9	Pacific Street Neighborhood Improvements	420,000					70,000	350,000
T10	SR169 Widening at Lawson & Baker St.	1,550,000					350,000	1,200,000
T11	SR 169 Gateway Corridor Improvement	5,700,000				200,000	300,000	5,200,000
STREET DEPT TOTAL PROJECTS		17,590,000	710,000	430,000	2,235,000	1,455,000	5,940,000	6,820,000

Capital Improvement Plan 2013 - 2018

Project for the

Street Department

T1

PROJECT TITLE

General Street Improvement

DESCRIPTION

Annually the Public Works staff assesses the street system and selects key street preservation and improvement work. Typical activities under this project are chip sealing, crack sealing, patch work and addressing minor safety problems. Because of the declining revenue in the street fund the cost of striping, signs, and roadside materials have been shifted to REET funding and are included in this work item.

BACKGROUND

This project provides annual funding for minor street improvements that typically do not require engineering.

COMMENTS

As more routine maintenance costs are shifted to this street improvement category, overlay projects may not be possible.

CAPITAL PROJECT COSTS

Construction Costs

TOTAL COSTS

REQUESTED FUNDING

Street Funds

TOTAL SOURCES

		Capital Plan 2013 - 2018					
Total \$ Requested 2013-2018		2013	2014	2015	2016	2017	2018
Construction Costs		30,000	30,000	30,000	30,000	30,000	30,000
TOTAL COSTS		30,000	30,000	30,000	30,000	30,000	30,000
Total \$ Requested 2013-2018		2013	2014	2015	2016	2017	2018
Street Funds		30,000	30,000	30,000	30,000	30,000	30,000
TOTAL SOURCES		30,000	30,000	30,000	30,000	30,000	30,000



Capital Improvement Plan 2013 - 2018

Project for the **Street Department** # **T2**

PROJECT TITLE SE 288th Street Overlay

DESCRIPTION Patch and overlay the existing roadway from 228th Ave SE to 236th Ave SE.

BACKGROUND The city completed the overlay of the west half of the project from 224th to 216th in 2011. The City will continue to seek TIB pavement preservation grant funding for the second half.

		Capital Plan 2013 - 2018					
CAPITAL PROJECT COSTS	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
	Construction Engineering	10,000	10,000				
	Construction Costs	140,000	140,000				
	TOTAL COSTS	150,000	150,000	-	-	-	-
REQUESTED FUNDING	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
	Grants TIB	130,000	130,000				
	In-Kind Match	10,000	10,000				
	Real Estate Excise Tax II	10,000	10,000				
	TOTAL SOURCES	150,000	150,000	-	-	-	-



Capital Improvement Plan 2013 - 2018

Project for the

Street Department

T3

PROJECT TITLE

Roberts Drive/State Rt 169 Roundabout

DESCRIPTION

This project is to change the intersection control from stop control to a roundabout and accommodate a future road connection to the east for the Lawson Hills Master Planned Development.

BACKGROUND

The existing intersection has a higher accident rate than the average along the corridor. Roberts Drive intersects SR 169 at an unconventional angle which makes it difficult for eastbound motorists to turn right and especially difficult to turn left; This intersection has been identified as one of the first traffic mitigation projects that is required in the Master Planned Development FEIS.

COMMENTS

The Master Planned Developer will be making an investment in this intersection to address Level of Service issues. The City would like to size the roundabout for the buildout solution for this corridor. There may be grant funding available for a major roundabout on a regional facility.

CAPITAL PROJECT COSTS

Land/Right of Way
Preliminary Engineering
Construction Engineering
Design Engineering
Construction Costs
Project Administration

TOTAL COSTS

REQUESTED FUNDING

Developer Impact Fees/SEPA

TOTAL SOURCES

		Capital Plan 2013 - 2018					
Total \$ Requested 2013-2018		2013	2014	2015	2016	2017	2018
Land/Right of Way		400,000					
Preliminary Engineering		50,000					
Construction Engineering		160,000		160,000			
Design Engineering		120,000	120,000				
Construction Costs		1,400,000		1,400,000			
Project Administration		100,000	100,000				
TOTAL COSTS		2,230,000	450,000	220,000	1,560,000	-	-
Total \$ Requested 2013-2018		2013	2014	2015	2016	2017	2018
Developer Impact Fees/SEPA		2,230,000	450,000	220,000	1,560,000		
TOTAL SOURCES		2,230,000	450,000	220,000	1,560,000	-	-



Proposed Roundabout



Capital Improvement Plan 2013 - 2018

Project for the **Street Department** # **T4**

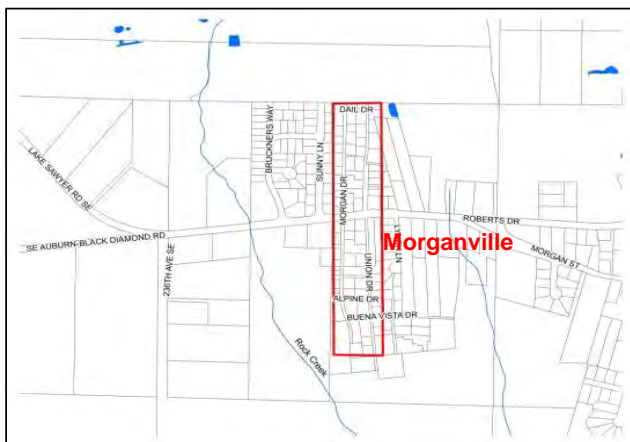
PROJECT TITLE **Intersection Improvements in Morganville**

DESCRIPTION Widen the intersections in Morganville. Surveying and right of way purchases will be needed. The goal of the project is to improve sight distance and turning radius at the intersections for safety and better truck and bus access.

BACKGROUND This area was developed many years ago before car and truck access standards were developed.

COMMENTS The budget will be revisited once the survey and pre-design is complete.

CAPITAL PROJECT COSTS	Total \$ Requested 2013-2018	Capital Plan 2013 - 2018					
		2013	2014	2015	2016	2017	2018
Land/Right of Way	20,000	20,000					
Design Engineering	80,000	20,000	60,000				
TOTAL COSTS	100,000	40,000	60,000	-	-	-	-
REQUESTED FUNDING	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
Real Estate Excise Tax II	100,000	40,000	60,000				
TOTAL SOURCES	100,000	40,000	60,000	-	-	-	-



Six Intersections

Capital Improvement Plan 2013 - 2018

Project for the **Street Department** # **T5**

PROJECT TITLE **Grant Matching Fund**

DESCRIPTION This project is used to accumulate funds for a match for grants for street and pedestrian projects now scheduled on the CIP.

BACKGROUND The City has used this fund for professional technical assistance with grant applications and supplement funding if a grant is received for a project that needs to be moved up in the CIP schedule or if a larger match than anticipated is needed.

		Capital Plan 2013 - 2018					
CAPITAL PROJECT COSTS	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
	Funding to Match Grants	240,000	40,000	40,000	40,000	40,000	40,000
TOTAL COSTS	240,000	40,000	40,000	40,000	40,000	40,000	40,000
REQUESTED FUNDING	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
	Real Estate Excise Tax II	240,000	40,000	40,000	40,000	40,000	40,000
TOTAL SOURCES	240,000	40,000	40,000	40,000	40,000	40,000	40,000



What is a matching grant?

A matching grant is a contingent grant awarded only if the receiving entity is able to put up (or independently raise) a sum equal to the amount provided by the granting entity.



Capital Improvement Plan 2013 - 2018

Project for the

Street Department

T6

PROJECT TITLE

Rock Creek Bridge

DESCRIPTION

This project is to provide a standard width roadway across Rock Creek and also provide safe pedestrian facilities across Rock Creek. The scope and cost of this project may change based on the outcome of the 2012 analysis of the bridge and the study of widening and repair options.

BACKGROUND

The Rock Creek bridge is about 100 years old and is substandard in width. The City also needs some safe way for pedestrians to walk to and from the west part of the City.

COMMENTS

This preliminary work will allow the City to position itself for grant opportunities and align city efforts and needs with developer mitigation projects.

CAPITAL PROJECT COSTS

Design Engineering

Construction Costs

TOTAL COSTS

REQUESTED FUNDING

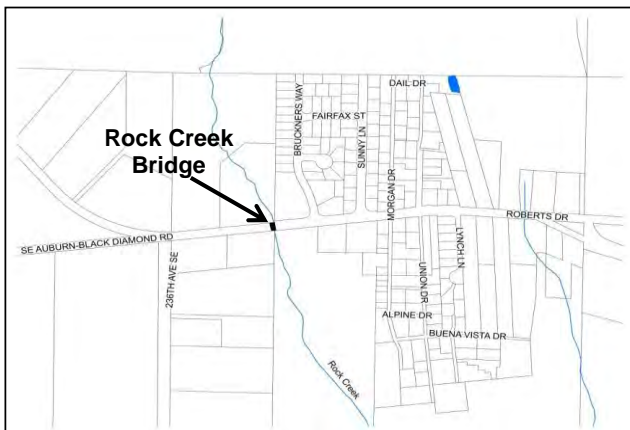
Developer/Impact Fees/SEPA

TIB Grant

Grant Matching Funds

TOTAL SOURCES

Capital Plan 2013 - 2018						
Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
Design Engineering		80,000	30,000			
Construction Costs			400,000			
TOTAL COSTS	-	80,000	430,000	-	-	-
Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
Developer/Impact Fees/SEPA	100,000	40,000	60,000			
TIB Grant	370,000		370,000			
Grant Matching Funds	40,000	40,000				
TOTAL SOURCES	510,000	80,000	430,000	-	-	



Capital Improvement Plan 2013 - 2018

Project for the

Street Department

T7

PROJECT TITLE

Lawson Street Sidewalk

DESCRIPTION

Construct 2150 feet of new 5 foot concrete sidewalk on the north side of Lawson Street to from SR 169 to the east boundary of Lawson Hill Estates. This project does not include curb gutter or street widening. Project cost \$850,000.

BACKGROUND

Lawson Hill Estates and the surrounding area is within 1 mile of the elementary school on Baker Street. The City is partnering with the School District to seek Safe Routes to School grants for this project. It is anticipated that additional funding will be needed to cover the entire cost. Transportation Improvement Board Funding and or potentially MPD mitigation funding may also be available. The City and the School District are planning to cooperate and jointly apply for this grant in 2014 for funding in 2015, and 2016.

COMMENTS

The timing of this project may have to wait for the pedestrian mitigation assistance from the Lawson Hills developer for this project. Other grant funding may also be available to complete the total funding.

CAPITAL PROJECT COSTS

Land/Right of Way
Design Engineering
Construction Costs

TOTAL COSTS

REQUESTED FUNDING

Safe Route to School Grant
TIB Grant
Developer/Impact Fees/SEPA

TOTAL SOURCES

		Capital Plan 2013 - 2018					
Total \$ Requested 2013-2018		2013	2014	2015	2016	2017	2018
Land/Right of Way	20,000			20,000			
Design Engineering	85,000			85,000			
Construction Costs	745,000				745,000		
TOTAL COSTS	850,000	-	-	105,000	745,000		
Total \$ Requested 2013-2018		2013	2014	2015	2016	2017	2018
Safe Route to School Grant	395,000				395,000		
TIB Grant	150,000				150,000		
Developer/Impact Fees/SEPA	305,000			105,000	200,000		
TOTAL SOURCES	850,000	-	-	105,000	745,000	-	-



Capital Improvement Plan 2013 - 2018

Project for the **Street Department** # **T8**

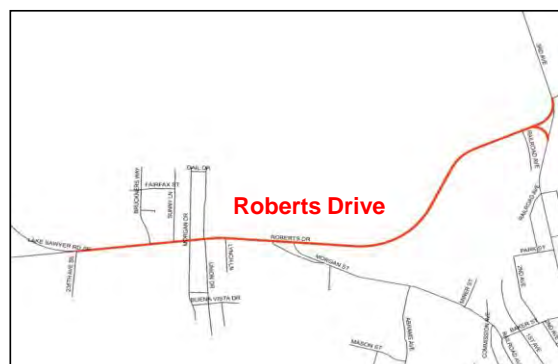
PROJECT TITLE	Roberts Drive Reconstruction
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DESCRIPTION	Overlay existing roadway or rehabilitate existing concrete roadway, , widen to standard, address storm water treatment, add sidewalks, curbs, gutter and formal street lights. The project might be constructed in several phases.
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BACKGROUND With many small subdivisions and businesses with direct access to Roberts Drive the roadway will need to be widened to accommodate a left hand turn lane so that flow through traffic is not impeded. The concrete panels over time have shifted and cracked causing rough roadway conditions.

COMMENTS The preliminary corridor study is needed early on to settle on a road section, resolve the stormwater solutions, process through NEPA (National Environmental Policy Act) and SEPA (State Environmental Policy Act), resolve the concrete panel fix, so the project can be prepared for grant funding. The PWTF Loan will be 20 years at 2% interest paid by REET II funds.

		Capital Plan 2013 - 2018					
<i>CAPITAL PROJECT COSTS</i>	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
Land/Right of Way	80,000			20,000	60,000		
Preliminary Engineering	50,000			50,000			
Construction Engineering	350,000					350,000	
Design Engineering	380,000				380,000		
Construction Costs	4,800,000					4,800,000	
TOTAL COSTS	5,660,000	-	-	70,000	440,000	5,150,000	-
<i>REQUESTED FUNDING</i>	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
Grants	4,950,000				360,000	4,590,000	
Stormwater Connection/Res	50,000					50,000	
Developer/Impact Fees/SEPA	200,000					200,000	
Real Estate Excise Tax II	180,000			70,000	80,000	30,000	
PWTF loan	280,000					280,000	
TOTAL SOURCES	5,660,000	-	-	70,000	440,000	5,150,000	-
<i>NON CAPITAL OPERATING COSTS</i>	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
PWTF Loan Repay - REET II	17,004						17,004
TOTAL NON CAPITAL OPERATING	17,004	-	-	-	-	-	17,004



Capital Improvement Plan 2013 - 2018

Project for the

Street Department

T9

PROJECT TITLE

Pacific Street Neighborhood Improvements

DESCRIPTION

Widen and pave existing gravel roads. Install storm drainage improvements.

BACKGROUND

Gravel roads require a higher level of maintenance and generate more citizen complaints than paved streets.

COMMENTS

There are outstanding obligations from some past development that may affect the project limits or schedule. Various infrastructure improvements are needed in this area as well. Funding for this project is dependent on the private property owners ability to funds the majority of the improvements.

CAPITAL PROJECT COSTS

Design Engineering

Construction Costs

TOTAL COSTS

REQUESTED FUNDING

Stormwtr Connection/Reserves

Developer/Impact Fees/SEPA

Real Estate Excise Tax II

TOTAL SOURCES

Capital Plan 2013 - 2018

Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
70,000					70,000	
350,000						350,000
420,000	-	-	-	-	70,000	350,000
Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
25,000						25,000
295,000						295,000
100,000					70,000	30,000
420,000	-	-	-	-	70,000	350,000



Pacific Street

Capital Improvement Plan 2013 - 2018

Project for the

Street Department

T10

PROJECT TITLE

SR-169 Widening Lawson & Baker St Intersection

DESCRIPTION

The left hand turn lanes are needed on 169 and on the approaching streets. 900 feet of SR-169 widening and channelization is needed. 200 feet of widening and channelization is needed on Lawson and Baker Street. See the Villages and Lawson Hills EIS for more detailed information.

BACKGROUND

This is a MPD mitigation capacity adding project. The timing of these projects will be prompted by the progress the Master Planned Developments. These are included in the City's CIP to orderly deal with redevelopment that may occur on property bordering this project.

CAPITAL PROJECT COSTS

Land/Right of Way

Design Engineering

Construction Costs

TOTAL COSTS

REQUESTED FUNDING

Developer/Impact Fees/SEPA

TOTAL SOURCES

		Capital Plan 2013 - 2018					
Total \$ Requested 2013-2018		2013	2014	2015	2016	2017	2018
Land/Right of Way						200,000	
Design Engineering						150,000	
Construction Costs							1,200,000
TOTAL COSTS		1,550,000	-	-	-	350,000	1,200,000
Total \$ Requested 2013-2018		2013	2014	2015	2016	2017	2018
Developer/Impact Fees/SEPA		1,550,000				350,000	1,200,000
TOTAL SOURCES		1,550,000	-	-	-	350,000	1,200,000



Intersection at SR169 and Lawson

Capital Improvement Plan 2013 - 2018

Project for the **Street Department** # **T11**

PROJECT TITLE SR 169 Gateway Corridor Improvement

DESCRIPTION Widen the SR-169 from Black Diamond Ravensdale Road to north City limits (3,800 ft) to allow for a two way left hand turn lane. Add sidewalks, streetlights, and either curb and gutter with a storm treatment pond or low impact development storm treatment swales with water gardens. Additional lanes may also be considered.

BACKGROUND This project would greatly enhance the north entrance into Black Diamond and provide a better flow of traffic through the north commercial area.

COMMENTS This project may rate well for grant funding. Other development along the corridor may be able to contribute the matching funds. The PWTF loan will be a 20 year at 2%, paid by REET II funds.

CAPITAL PROJECT COSTS

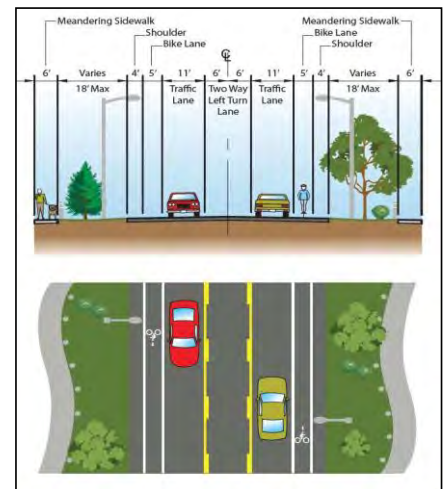
	Total \$ Requested 2013-2018	Capital Plan 2013 - 2018					
		2013	2014	2015	2016	2017	2018
Land/Right of Way	100,000				100,000		
Preliminary Engineering	100,000				100,000		
Construction Engineering	450,000						450,000
Design Engineering	300,000					300,000	
Construction Costs	4,750,000						4,750,000
TOTAL COSTS	5,700,000	-	-	-	200,000	300,000	5,200,000

REQUESTED FUNDING

	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
Grants	5,200,000						5,200,000
PWTF loan	300,000					300,000	
Developer/Frontage Imp/SEPA	200,000				200,000		
TOTAL SOURCES	5,700,000	-	-	-	200,000	300,000	5,200,000

NON CAPITAL OPERATING COSTS

	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
PWTF Loan Repay - REET II	18,216						18,216
TOTAL NON CAPITAL OPERATING	18,216	-	-	-	-	-	18,216



Street Department

CAPITAL PROJECT FUNDING SUMMARY

Expenditure Summary by Project

STREET DEPARTMENT	Total \$ Requested 2013-2018	Capital Plan 2013 - 2018					
		2013	2014	2015	2016	2017	2018
T1 General Street Improvement	180,000	30,000	30,000	30,000	30,000	30,000	30,000
T2 SE 288th Street Overlay	150,000	150,000					
T3 Roberts Drive/State Rt 169 Roundabout	2,230,000	450,000	220,000	1,560,000			
T4 Morganville Intersection Improvements	100,000	40,000	60,000				
T5 Grant Matching Fund	240,000	40,000	40,000	40,000	40,000	40,000	40,000
T6 Rock Creek Bridge	510,000		80,000	430,000			
T7 Lawson Street Sidewalk	850,000			105,000	745,000		
T8 Roberts Drive Reconstruction	5,660,000			70,000	440,000	5,150,000	
T9 Pacific Street Neighborhood Improvements	420,000					70,000	350,000
T10 SR169 Widening at Lawson & Baker St.	1,550,000					350,000	1,200,000
T11 SR 169 Gateway Corridor Improvement	5,700,000				200,000	300,000	5,200,000
STREET DEPT TOTAL PROJECTS	17,590,000	710,000	430,000	2,235,000	1,455,000	5,940,000	6,820,000

Funding Sources

	Total \$ Requested 2013-2018	Capital Plan 2013 - 2018					
		2013	2014	2015	2016	2017	2018
TIB, CDBG and Other Grants							
T2 SE 288th Street Overlay	130,000	130,000					
T6 Rock Creek Bridge	370,000			370,000			
T7 Lawson Street Sidewalk (TIB Grant)	150,000				150,000		
T7 Lawson Street Sdwk (Safe Walk Sch Grant)	395,000				395,000		
T8 Roberts Drive Reconstruction	4,950,000				360,000	4,590,000	
T11 SR 169 Gateway Corridor Improvement	5,200,000						5,200,000
Total Grants	11,195,000	130,000		370,000	905,000	4,590,000	5,200,000
Stormwater Connection Fees/Reserves							
T8 Roberts Drive Reconstruction	50,000					50,000	
T9 Pacific Street Neighborhood Improvements	25,000						25,000
Total Stormwtr Connection/Reserves Funding	75,000					50,000	25,000
Developer Funded/Impact Fees/SEPA							
T3 Roberts Drive/State Rt 169 Roundabout	2,230,000	450,000	220,000	1,560,000			
T6 Rock Creek Bridge Repair	100,000		40,000	60,000			
T7 Lawson Street Sidewalk	305,000			105,000	200,000		
T8 Roberts Drive Reconstruction	200,000					200,000	
T9 Pacific Street Neighborhood Improvements	295,000						295,000
T10 SR169 Widening at Lawson & Baker St.	1,550,000					350,000	1,200,000
T11 SR 169 Gateway Corridor Improvement	200,000				200,000		
Total Developer/Impact/SEPA Funding	4,880,000	450,000	260,000	1,725,000	400,000	550,000	1,495,000

Funding Sources, cont.

STREET DEPARTMENT		Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
Real Estate Excise Tax II Funding								
T2	SE 288th Street Overlay	10,000	10,000					
T4	Morgan Intersection Improvements	100,000	40,000	60,000				
T5	Grant Matching Fund	240,000	40,000	40,000	40,000	40,000	40,000	40,000
T8	Roberts Drive Reconstruction	180,000			70,000	80,000	30,000	
T9	Pacific Street Neighborhood Improvements	100,000					70,000	30,000
	Total REET II Funding	630,000	90,000	100,000	110,000	120,000	140,000	70,000
Grant Matching Fund								
T6	Rock Creek Bridge Repair	40,000		40,000				
	Total Grant Matching Fund	40,000		40,000				
Street Funds								
T1	General Street Projects	180,000	30,000	30,000	30,000	30,000	30,000	30,000
	Total Street Funds	180,000	30,000	30,000	30,000	30,000	30,000	30,000
In-Kind Match								
T2	288th Street Overlay	10,000	10,000					
	Total In-Kind Match	10,000	10,000					
PWTF Loan								
T8	Roberts Drive Reconstruction	280,000					280,000	
T11	SR 169 Gateway Corridor Improvement	300,000					300,000	
	Total PWTF Loan	580,000					580,000	
TOTAL STREET PROJECTS		17,590,000	710,000	430,000	2,235,000	1,455,000	5,940,000	6,820,000
NON CAPITAL OPERATING COSTS		Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
T8	Roberts PWTF Loan Repay - REET II	17,004						17,004
T11	169 PWTF Loan Repay - REET II	18,216						18,216
S5	PW Fac & Eq Loan Pay (13%) Street Fund	5,807						5,807
	TOTAL NON CAPITAL OPERATING	41,027						41,027

Water Department

CAPITAL PROJECT SUMMARY

Funding Summary by Project

	Capital Plan 2013 - 2018						
WATER DEPARTMENT	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
W1 Springs and River Crossing Rehab Project	3,125,000	225,000	1,875,000	1,025,000			
W2 Reservoir Maintenance and Painting	115,000	15,000	100,000				
W3 5th Avenue Water Main Replacement	175,000	175,000					
W4 Fire Flow Loop to North Commercial Area	800,000			800,000			
W5 Springs Transmission Main Repl Phase I	800,000					100,000	700,000
WATER DEPARTMENT TOTAL PROJECTS	5,015,000	415,000	1,975,000	1,825,000		100,000	700,000

Capital Improvement Plan 2013 - 2018

Project for the	Water Department	#	W1
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PROJECT TITLE Springs & River Crossing Rehab. Project

DESCRIPTION	Improvements to the City's spring collection facilities. Replacement of 1,300 lineal ft. of piping from the springs across the Green River to the North Bank Pump Station. Install a series of new pumps for greater pumping efficiency. Replace the chlorine injection system. Upgrade the controls and telemetry. Restore power generation capability.
BACKGROUND	This is a capacity and system reliability project funded by the Water Supply and Facilities Funding Agreement (WSFFA). The Funding agreement anticipated the seeking low interest financing for this project. There is a very good opportunity to obtain a PWTF loan this next year which will secure the funding for this project no matter what happens to the economy. The Property Owners funding the WSFFA projects will make the Public Works Trust Fund payments with back up surety guaranteeing payment.
COMMENTS	The project described above is proposed as the first phase of the WSFFA springs project. The second phase is the project W5.

CAPITAL PROJECT COSTS	Capital Plan 2013 - 2018							
	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018	
	Preliminary Engineering	75,000	75,000					
	Design Engineering	150,000	150,000					
	Construction Engineering	100,000	75,000	25,000				
	Construction Costs	2,800,000	1,800,000	1,000,000				
	TOTAL COSTS	3,125,000	225,000	1,875,000	1,025,000	-	-	-
	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018	
	REQUESTED FUNDING							
	Water Syst & Fac. Fndg Agrmt.	3,125,000	225,000	1,875,000	1,025,000			
TOTAL SOURCES	3,125,000	225,000	1,875,000	1,025,000	-	-	-	



Spring Water in Black Diamond

Capital Improvement Plan 2013 - 2018

Project for the **Water Department** # **W2**

PROJECT TITLE **Reservoir Painting and Maintenance**

DESCRIPTION

Repaint the 0.5 MG reservoir inside and out.

BACKGROUND

City staff was not able to obtain a grant for this project. A PWTF or possibly an internal loan will be needed as the condition is very bad. A PWTF loan could be for 10 years at a .5% interest rate, with annual payments of \$10,254.

COMMENTS

Based on the results of the inspection in 2012, the overall budget may have to increase/decrease to perform the maintenance work.

CAPITAL PROJECT COSTS

Design Engineering
Construction Engineering
TOTAL COSTS

Total \$ Requested 2013-2018	Capital Plan 2013 - 2018					
	2013	2014	2015	2016	2017	2018
Design Engineering	15,000					
Construction Engineering	100,000	100,000				
TOTAL COSTS	115,000	100,000	-	-	-	-
Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
	2013	2014	2015	2016	2017	2018
PWTF Loan or other	100,000	100,000				
Real Estate Excise Tax II	15,000					
TOTAL SOURCES	115,000	100,000	-	-	-	-

REQUESTED FUNDING

PWTF Loan or other
Real Estate Excise Tax II
TOTAL SOURCES



Old Lawson Hill 500,000
Gallon Tank

Capital Improvement Plan 2013 - 2018

Project for the

Water Department

W3

PROJECT TITLE

5th Ave Water Main Replacement

DESCRIPTION

Replace 850 feet of 4 inch dead end asbestos concrete water main from 5th Ave intersection with Lawson St. South to the end of the road. Two fire hydrants also need to be replaced.

BACKGROUND

There is a lack of fire flow in this area and with low quality water pipe on a dead end line the service reliability is also very low. The City was selected for a CDBG Grant for this project in 2011. The grant agreement is expected in May or June of 2012. The City is trying to expedite the project so as to complete the construction while Lawson Creek is dried up.

COMMENTS

This project might be delayed to 2013 if it cannot be completed while Lawson Creek is dry in the summer of 2012 and is also shown in the 2013 budget year.

CAPITAL PROJECT COSTS

Construction Engineering
Construction Costs

TOTAL COSTS

REQUESTED FUNDING

Grants

REET II

TOTAL SOURCES

Total \$ Requested 2013-2018	Capital Plan 2013 - 2018					
	2013	2014	2015	2016	2017	2018
Construction Engineering	15,000	15,000				
Construction Costs	160,000	160,000				
TOTAL COSTS	175,000	175,000	-	-	-	-
Total \$ Requested 2013-2018	Capital Plan 2013 - 2018					
	2013	2014	2015	2016	2017	2018
Grants	160,000	160,000				
REET II	15,000	15,000				
TOTAL SOURCES	175,000	175,000	-	-	-	-



Fire Hydrant on Fifth Ave.

Capital Improvement Plan 2013 - 2018

Project for the **Water Department** # **W4**

PROJECT TITLE **Fire Flow Loop - North Commercial Area**

DESCRIPTION Replace 600 ft. of 6 inch asbestos concrete with 12 inch ductile iron water main. Replace 1200 ft. of 8 inch asbestos concrete with 12 inch ductile iron in 3rd Street north of Roberts Drive. Link the east and west 169 water mains at approximately the Cedarbrook Mobile Home Park.

BACKGROUND This is a capacity and system reliability project funded by the Water Supply Facilities Funding Agreement. Other commercial properties along SR-169 may also be contributing or constructing portions of this project.

COMMENTS There are several alternatives to provide looped water lines and meet fire flow to the existing customers on the north end of the city system. This project does not describe what is needed to provide fire flow and redundant service to the north triangle but rather is the minimum to provide a looped system for the north part of the city system. Developer improvements may implement a portion of this project or make parts of the project a lower priority.

CAPITAL PROJECT COSTS	Total \$ Requested 2013-2018	Capital Plan 2013 - 2018					
		2013	2014	2015	2016	2017	2018
Construction Costs	800,000			800,000			
TOTAL COSTS	800,000	-	-	800,000	-	-	-
REQUESTED FUNDING	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
Developer Funded	800,000			800,000			
TOTAL SOURCES	800,000	-	-	800,000	-	-	-



Capital Improvement Plan 2013 - 2018

Project for the

Water Department

W5

PROJECT TITLE

Springs Transmission Main Repl Phase I

DESCRIPTION

Replace 8000 feet of 8 inch asbestos concrete (AC) with 12 inch ductile iron (DI) from the North Bank Pump Station to tie in to the existing 12" Spring Supply Main.

BACKGROUND

This is a capacity and system reliability project funded by the Water Supply Facilities Funding Agreement.

COMMENTS

A Public Works Trust Fund loan should be considered for this project.

CAPITAL PROJECT COSTS

Preliminary Engineering

Design Engineering

Construction Costs

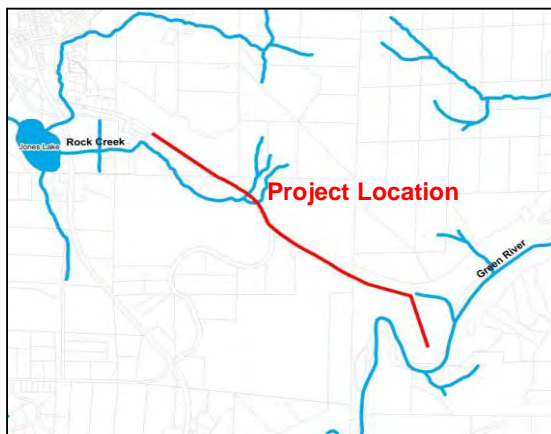
TOTAL COSTS

REQUESTED FUNDING

Water Syst & Fac. Funding Agrmt.

TOTAL SOURCES

Total \$ Requested 2013-2018	Capital Plan 2013 - 2018					
	2013	2014	2015	2016	2017	2018
Preliminary Engineering					20,000	
Design Engineering					80,000	
Construction Costs						700,000
TOTAL COSTS	800,000	-	-	-	100,000	700,000
Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
Water Syst & Fac. Funding Agrmt.	800,000				100,000	700,000
TOTAL SOURCES	800,000	-	-	-	100,000	700,000



Example of Ductile Iron Water Pipes

Water Department

CAPITAL PROJECT FUNDING SUMMARY

Funding Summary by Project

WATER DEPARTMENT	Capital Plan 2013 - 2018						
	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
W1 Springs and River Crossing Rehab Project	3,125,000	225,000	1,875,000	1,025,000			
W2 Reservoir Maintenance and Painting	115,000	15,000	100,000				
W3 5th Avenue Water Main Replacement	175,000	175,000					
W4 Fire Flow Loop to North Commercial Area	800,000			800,000			
W5 Springs Transmission Main Repl Phase I	800,000					100,000	700,000
WATER DEPARTMENT TOTAL PROJECTS	5,015,000	415,000	1,975,000	1,825,000		100,000	700,000

Funding Sources

	Capital Plan 2013 - 2018						
	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
Water System & Facilities Funding Agmt (WSFFA)							
W1 Springs and River Crossing Rehab Project	3,125,000	225,000	1,875,000	1,025,000			
W5 Springs Transmission Main Repl Phase I	800,000					100,000	700,000
Total WSFFA Funds	3,925,000	225,000	1,875,000	1,025,000		100,000	700,000
Grant Funding							
W3 5th Avenue Water Main Replacement	160,000	160,000					
Total Grant Funding	160,000	160,000					
PWTF Loan							
W2 Reservoir Painting and Maintenance	100,000		100,000				
	100,000		100,000				
Developer Funding							
W4 Fire Flow Loop to North Commercial Area	800,000			800,000			
Total Developer Funding	800,000			800,000			
Real Estate Excise Taxes II							
W2 Reservoir Painting and Maintenance	15,000	15,000					
W3 5th Avenue Water Main Replacement	15,000	15,000					
Total Real Estate Excise Taxes II	30,000	30,000					
TOTAL FUNDING FOR WATER PROJECTS	5,015,000	415,000	1,975,000	1,825,000		100,000	700,000

NON CAPITAL OPERATING COSTS	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
S5 PW Facilities & Equip Loan Payment (29%)	14,964						14,964
TOTAL NON CAPITAL OPERATING	14,964						14,964

Wastewater Department

CAPITAL PROJECT SUMMARY

Expenditure Summary by Project

	Capital Plan 2013 - 2018						
WASTEWATER DEPARTMENT	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
S1 Infiltration and Inflow Reduction Plan	180,000	30,000	30,000	30,000	30,000	30,000	30,000
S2 West Black Diamond Sewer Lift Station	360,000		30,000	250,000	80,000		
S3 Morganville Force Main Reroute	460,000				20,000	440,000	
S4 Cedarbrook Sewer Main	250,000				250,000		
S5 Public Works Facilities and Equipment	870,000		20,000			850,000	
WASTEWATER DEPT TOTAL PROJECTS	2,120,000	30,000	80,000	280,000	380,000	1,320,000	30,000

Capital Improvement Plan 2013 - 2018

Project for the

Wastewater Department

S1

PROJECT TITLE

Infiltration and Inflow Reduction Program

DESCRIPTION

Funding for I & I includes investigations, such as: TV inspections, smoke testing, flow monitoring, and then Repair Work such as: pipe rehabilitation, sealing, requiring private line replacement, manhole repair and sewer line replacement.

BACKGROUND

The City needs to reduce the infiltration and inflow as good stewardship and maintenance of the existing sewer system. The City also desires to preserve and recapture capacity in the wastewater system by reducing and controlling the peak flows.

COMMENTS

The City has completed a first round of investigation identifying various manhole repairs that are needed. Staff is being trained in various repair options. The goal over the next three years is to repair 10 manholes per year with City staff. Or the goal over the next three years is to contract out the repair of 20 manholes per year.

CAPITAL PROJECT COSTS

Construction Costs

TOTAL COSTS

REQUESTED FUNDING

Wstwr Reserves/New Cust Fees

TOTAL SOURCES

Capital Plan 2013 - 2018						
Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
180,000	30,000	30,000	30,000	30,000	30,000	30,000
180,000	30,000	30,000	30,000	30,000	30,000	30,000
Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
180,000	30,000	30,000	30,000	30,000	30,000	30,000
180,000	30,000	30,000	30,000	30,000	30,000	30,000



Courtesy CRD, Victoria, BC

Capital Improvement Plan 2013 - 2018

Project for the

Wastewater Department

S2

PROJECT TITLE

West Black Diamond Wastewater Lift Station

DESCRIPTION

Design and construct a wastewater lift station for the area west of Rock Creek and south of Roberts Drive. Phase one is site selection, design and property/easement purchase. Phase two is wastewater lift station permitting and construction.

BACKGROUND

This project is to prepare for the continued growth in the west portion of the City.

COMMENTS

It is currently planned that the Villages Developer will construct an interim sewer pump station and perhaps a second interim sewer pump station as the development grows to the south. The City may take the lead role in planning, designing, permitting and construction of the ultimate facility to service this area. Timing and funding will need to be coordinated with the Villages Developer. This CIP only shows the design and right-of-way costs at this time.

CAPITAL PROJECT COSTS

Land/Right of Way
Preliminary Engineering
Design Engineering

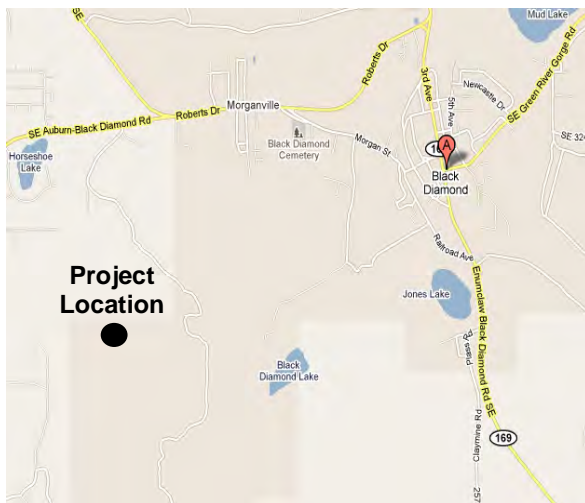
TOTAL COSTS

REQUESTED FUNDING

Developer Funded

TOTAL SOURCES

Capital Plan 2013 - 2018						
Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
250,000			250,000			
30,000		30,000				
80,000				80,000		
360,000	-	30,000	250,000	80,000	-	-
Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
360,000		30,000	250,000	80,000		
360,000	-	30,000	250,000	80,000	-	-



Capital Improvement Plan 2013 - 2018

Project for the **Wastewater Department** # **S3**

PROJECT TITLE **Morganville Force Main Reroute**

DESCRIPTION Reroute the flows from the Morgan Street Sewer pump station from pumping to the Jones Lake Pump Station to pump to the new King County western storage facility. The new force main will be about 3500 feet from Morgan Street west along Roberts Drive and northwest along Lake Sawyer Road East.

BACKGROUND This project is necessary to reduce sewer flows to the Black Diamond pump station (Jones Lake pump station) to provide capacity for infill in the old part of Black Diamond.

COMMENTS If there is an interim MPD need for directing flows from the Villages to Jones Lake pump station, most of this project might be constructed by the MPD developer. A 10 year PWTF loan in 2017 is planned to be 10 years at .5% interest.

CAPITAL PROJECT COSTS

Preliminary Engineering
Design Engineering
Construction Costs

TOTAL COSTS

REQUESTED FUNDING

Public Works Trust Fund Loan

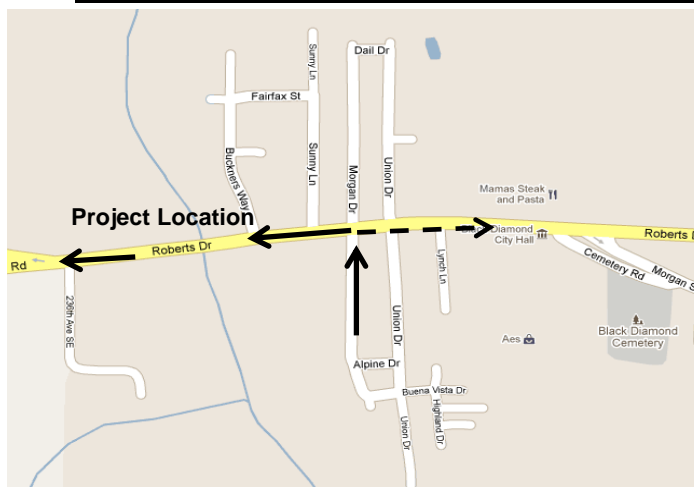
TOTAL SOURCES

NON CAPITAL OPERATING COSTS

Debt Repayment (Wstwr Res)

TOTAL OPERATING

Capital Plan 2013 - 2018						
Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
Preliminary Engineering				20,000		
Design Engineering					40,000	
Construction Costs					400,000	
TOTAL COSTS	460,000	-	-	-	20,000	440,000
Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
Public Works Trust Fund Loan	460,000			20,000	440,000	
TOTAL SOURCES	460,000	-	-	-	20,000	440,000
Total \$ Requested	2013	2014	2015	2016	2017	2018
Debt Repayment (Wstwr Res)	44,112					44,112
TOTAL OPERATING	44,112	-	-	-	-	44,112



Capital Improvement Plan 2013 - 2018

Project for the

Wastewater Department

S4

PROJECT TITLE

Cedarbrook Sewer Main

DESCRIPTION

Acquire City easement through the trailer park. Rehabilitate the existing sewer main to provide reliable public sewer service to the customers in the north east portion of the City.

BACKGROUND

This project will correct an informal arrangement of public wastewater being served through a private wastewater system. Redevelopment of the Cedarbrook Mobile Home Park will have the responsibility of bringing this section of sewer up to City standards, providing easements and dedicating public sewer through the site. If redevelopment of this site seems unlikely then public funding may be required at some point.

COMMENTS

This project reflects rehabilitation costs of the existing sewer not total replacement.

CAPITAL PROJECT COSTS

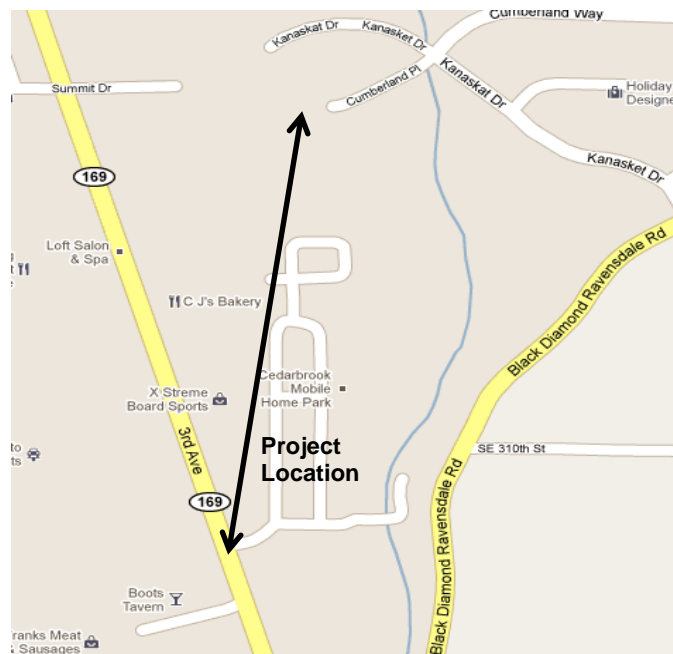
Design & Construction

TOTAL COSTS

REQUESTED FUNDING

Wstwtr Res/New Customer Fees

Capital Plan 2013 - 2018						
Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
250,000				250,000		
250,000	-	-	-	250,000	-	-
Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
250,000				250,000		
250,000	-	-	-	250,000	-	-



Capital Improvement Plan 2013 - 2018

Project for the **Wastewater Department** # **S5**

PROJECT TITLE **Public Works Facilities and Equipment**

DESCRIPTION

The City is in need for several additional facilities and equipment. Such as better and larger materials handling and storage facilities; a street sweeper/vactor equipment; shop improvements; and maintenance employee facilities. As the City grows these needs will increase.

BACKGROUND

The City intends to out-source vactor and sweeping services as long as this method is cost effective. The City will also be evaluating the potential of equipment sharing with Maple Valley and Covington.

COMMENTS

Costs and timing will be revisited in the next annual update of the CIP after the results of the General Government Facilities Mitigation Charge Study is complete. The PWTF loan will be for 20 years at 2% interest. The payment will be approximately \$51,600 split among the utilities; 13% for Street, and 29% each will come from Water, Wastewater and Stormwater.

CAPITAL PROJECT COSTS

Building Improvements
Preliminary Engineering
Construction Costs
Equipment Purchases
TOTAL COSTS

Capital Plan 2013 - 2018						
Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
100,000					100,000	
120,000		20,000			100,000	
300,000					300,000	
350,000					350,000	
870,000	-	20,000	-	-	850,000	-

REQUESTED FUNDING

Wstwtr, Water,Storm & Street Res
Public Works Trust Fund Loan
TOTAL SOURCES

Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
20,000		20,000				
850,000					850,000	
870,000	-	20,000	-	-	850,000	-

NON CAPITAL

OPERATING COSTS

S5 PWTF Debt Repay - (Wstwtr @ 29%)

TOTAL OPERATING

Total \$ Requested	2013	2014	2015	2016	2017	2018
14,964						14,964
14,964	-	-	-	-	-	14,964



Wastewater Department

CAPITAL PROJECT FUNDING SUMMARY

Expenditure Summary by Project

WASTEWATER DEPARTMENT	Capital Plan 2013 - 2018						
	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
S1 Infiltration and Inflow Reduction Plan	180,000	30,000	30,000	30,000	30,000	30,000	30,000
S2 West Black Diamond Sewer Lift Station	360,000		30,000	250,000	80,000		
S3 Morganville Force Main Reroute	460,000				20,000	440,000	
S4 Cedarbrook Sewer Main	250,000				250,000		
S5 Public Works Facilities and Equipment	870,000		20,000			850,000	
WASTEWATER DEPT TOTAL PROJECTS	2,120,000	30,000	80,000	280,000	380,000	1,320,000	30,000

Funding Sources

	Capital Plan 2013 - 2018						
	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
Wastewater Reserves, New Customers & Conn. Fees							
S1 Infiltration and Inflow Reduction Plan	180,000	30,000	30,000	30,000	30,000	30,000	30,000
S4 Cedarbrook Sewer Main	250,000				250,000		
S5 Public Works Facilities and Equipment	5,000		5,000				
Total Wstewtr Reserves/New Cust & Conn.Fees	435,000	30,000	35,000	30,000	280,000	30,000	30,000
Water, Storm, Street Reserves							
S5 Public Works Facilities and Equipment	15,000		15,000				
Total Wat/Storm/Street Reserves	15,000		15,000				
Developer Funded							
S2 West Black Diamond Sewer Lift Station	360,000		30,000	250,000	80,000		
Total Developer Funded	360,000		30,000	250,000	80,000		
Public Works Trust Fund Loan							
S3 Morganville Force Main Reroute	460,000				20,000	440,000	
S5 Public Works Facilities and Equipment	850,000					850,000	
Total PWTF Loans	1,310,000				20,000	1,290,000	
TOTAL FUNDING FOR WASTEWATER PROJECTS	2,120,000	30,000	80,000	280,000	380,000	1,320,000	30,000

NON CAPITAL OPERATING COSTS	Capital Plan 2013 - 2018						
	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
S3 Morganville Reroute Loan Pay - Wastewtr Res	44,112						44,112
S5 PW Fac and Equip Loan Pay (29%) Wastewtr Res	14,964						14,964
TOTAL NON CAPITAL OPERATING	59,076	-	-	-	-	-	59,076

Stormwater Department

CAPITAL PROJECT SUMMARY

Expenditure Summary by Project							
Project Name	Capital Plan 2013 - 2018						
	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
D1 Lake Sawyer Road Culvert and Guardrail	320,000			70,000	250,000		
D2 Ginder Creek Stormwater Treatment Pond	830,000		80,000	750,000			
STORMWATER DEPT TOTAL PROJECTS	1,150,000		80,000	820,000	250,000		

Capital Improvement Plan 2013 - 2018

Project for the **Stormwater Department** # **D1**

PROJECT TITLE **Lake Sawyer Road Culvert and Guardrail**

DESCRIPTION Replacing Stormwater Infrastructure: Replace the three 72 inch corrugated metal culverts with a bottomless concrete box culvert and install guard rails to protect vehicles from running into the creek.

BACKGROUND The existing three culverts may impede the upstream migration of salmon. The existing corrugated metal culverts are showing signs of corrosion. The guard rails will protect the environment from errant stray vehicles.

COMMENTS Grant funding is anticipated and included in the financing for this project. Design and permitting is scheduled for 2013 to assist with attracting grant and private mitigation funds. If grant funding is not received this project will be put on hold.

Capital Plan 2013 - 2018						
Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
250,000				250,000		
70,000			70,000			
320,000	-	-	70,000	250,000	-	-
Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
290,000			40,000	250,000		
30,000			30,000			
320,000	-	-	70,000	250,000	-	-

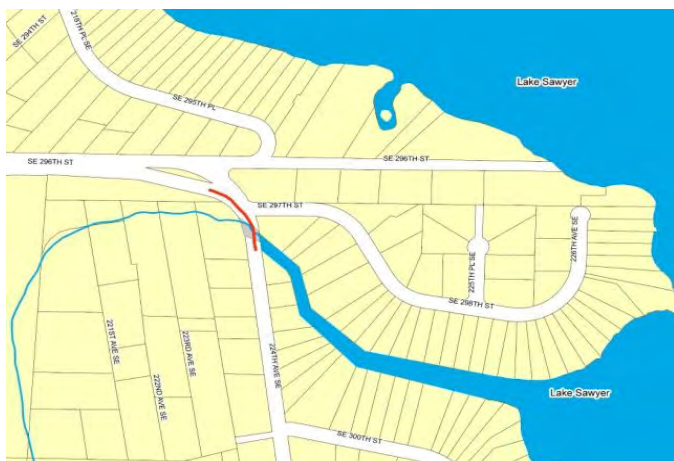
TOTAL COSTS

REQUESTED FUNDING

Grants (Dept of Ecology)

Stormwater Funding

TOTAL SOURCES



Capital Improvement Plan 2013 - 2018

Project for the **Stormwater Department** # **D2**

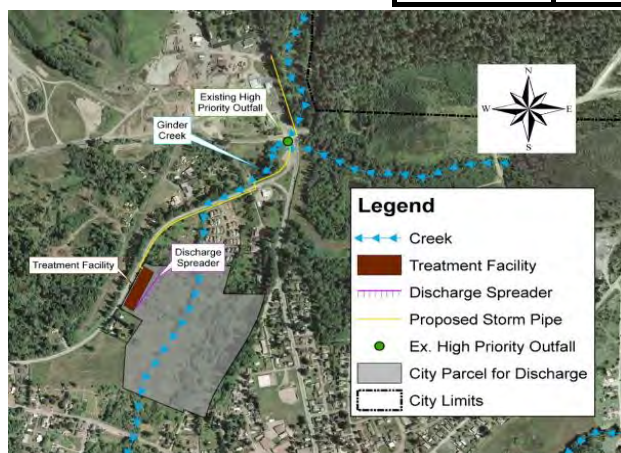
PROJECT TITLE **Ginder Creek Stormwater Treatment Pond**

DESCRIPTION Construct a wetpond and bioswale combined treatment facility to provide maximum phosphorous removal along Roberts Drive on existing City property. The facility will provide treatment and detention for commercial property and road runoff from the Roberts Drive intersection with SR 169 north to the Cedarbrook Mobile Home Park.

BACKGROUND Whereas there is a total maximum daily load (TMDL) on Lake Sawyer for phosphorous, the city should look for opportunities to reduce phosphorous inputs from existing untreated stormwater discharges.

COMMENTS The City should look for grant opportunities and private developer contribution opportunities to upgrade the treatment of the stormwater discharges into Ginder Creek. A joint project with a developer may be possible. The City could offer the land in exchange for the treatment upgrade of the existing discharges. A PWTF loan in 2015 is an option for financing, with 15 years @ 1.5% interest, if a grant is not available.

Capital Plan 2013 - 2018						
Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
80,000		80,000				
750,000			750,000			
830,000	-	80,000	750,000	-	-	-
Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
PWTF Loan	650,000		650,000			
Stormwater Conn Fees/Res	20,000	20,000				
Developer Funded	160,000	60,000	100,000			
TOTAL SOURCES	830,000	80,000	750,000	-	-	-
Total \$ Requested	2013	2014	2015	2016	2017	2018
PW Trust Loan Repayment	145,260	-	-	48,420	48,420	48,420
TOTAL NON CAPITAL OPERATING	145,260	-	-	48,420	48,420	48,420



Example of a Bioswale to Help Filter Storm Water

Stormwater Department

CAPITAL PROJECT FUNDING SUMMARY

Expenditure Summary by Project

Project Name	Capital Plan 2013 - 2018						
	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
D1 Lake Sawyer Road Culvert and Guardrail	320,000			70,000	250,000		
D2 Ginder Creek Stormwater Treatment Pond	830,000		80,000	750,000			
TOTAL EXPENDITURES	1,150,000		80,000	820,000	250,000		

Funding Sources

	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
DOE Grant - Future							
D1 Lake Sawyer Road Culvert and Guardrail	290,000			40,000	250,000		
Total Ecology Grants	290,000			40,000	250,000		
PWTF Loan							
D2 Ginder Creek Stormwater Treatment Pond	650,000			650,000			
Total PWTF Loan	650,000			650,000			
Stormwater Funded (reserves)							
D1 Lake Sawyer Road Culvert and Guardrail	30,000			30,000			
D2 Ginder Creek Stormwater Treatment Pond	20,000		20,000				
Total Stormwater Fund Funded	50,000		20,000	30,000			
Developer Funded							
D2 Ginder Creek Stormwater Treatment Pond	160,000		60,000	100,000			
Total Developer Funded	160,000		60,000	100,000			
TOTAL FUNDING FOR STORMWATER	1,150,000	-	80,000	820,000	250,000	-	-

NON CAPITAL OPERATING COSTS	Total \$ Requested 2013-2018	2013	2014	2015	2016	2017	2018
D2 Ginder Creek Strmwtr Pond Repayment	145,260				48,420	48,420	48,420
S5 PW Facilities & Equip Loan Payment (29%)	14,964						14,964
T8 Strmwtr Conn Fees for Roberts Dr. Project	50,000					50,000	
T9 Pacific Street Neighborhood Impr Project	25,000						25,000
TOTAL NON CAPITAL OPERATING	235,224	-	-	-	48,420	98,420	88,384



CITY OF BLACK DIAMOND

2012 Schedule 2013 – 2018 Capital Improvement Plan (CIP) (Regular scheduled Council meetings in **BOLD**)

	Process	Internal Due Date	Committee Meetings	Workstudy	City Council Meetings
1	CIP Planning Meeting with Mayor/Brenda	Feb 21 3:00			
2	CIP Call letter to affected departments (include goals, rules and timelines)	March 13			
3	Departments prepare detailed requests and submit to City Administration and Finance	March 13 - 30			
4	Finance prepares operating revenue sources for affected funds such as Street, Sewer, Water, Drainage and General Government and provides 2013-2018 worksheets to managers	March 30			
5	Finance prepares draft spreadsheet combining revenues and department requests for internal review with Administration	April 10			
6	Administration and Finance meet departments to review options	Apr 11-Apr 20			
7	1 st CIP Committee Meeting for Public Works		April 27 10:00		
9	1 st Finance Committee Meeting for Public Works		May 11 1:00		
10	CIP Committee Meeting for Parks		May 17 10:00		
11	CIP Committee Meeting for Public Safety		May 18 Special Mtg 10:00		
12	2 nd CIP Finance Committee Meeting		May 31 9:00		
13	CIP Council Workstudy Public Works only			June 7 5:30	
14	Public Hearings on proposed 2013 – 2018 CIP				June 7
15	CIP Council Workstudy: Non-Public Works			June 13 Special Mtg 4:00	
16	Council adopts 2013 – 2018 CIP				June 21