CITY OF BLACK DIAMOND

May 26, 2011 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.

4:00 P.M. – CALL TO ORDER, ROLL CALL

1.) Workstudy – Capital Improvement Plan – Public Works – Ms. Miller

3.) Adjournment

Public Works

2012 – 2017

D R A F T

Capital Improvement Plan

Councilmember Kristine Hanson, Chair of the Public Works Committee along with
Reagan Dunn speaking at the 2010 dedication of the Railroad Avenue Street Improvement Project

May 26, 2011

Capital Improvement Plan 2012 - 2017

Public Works Projects

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Capital Improvement Program 2012 - 2017

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 work. Typical activities under this project are chip sealing, crack sealing, patch work and addressing minor safety problems.

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

COMMENTS The carryover from the prior year is $34,006 in 2011.

			Capital Plan 2012 - 2017					
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Construction Costs	34,006	180,000	30,000	30,000	30,000	30,000	30,000	30,000
TOTAL COSTS	**34,006**	**180,000**	**30,000**	**30,000**	**30,000**	**30,000**	**30,000**	**30,000**
REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Street Funds		180,000	30,000	30,000	30,000	30,000	30,000	30,000
Beginning Fund Bal Carryover	34,006							
TOTAL SOURCES	**34,006**	**180,000**	**30,000**	**30,000**	**30,000**	**30,000**	**30,000**	**30,000**

Capital Improvement Program 2012 - 2017

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

PROJECT TITLE SE 288th Street Overlay

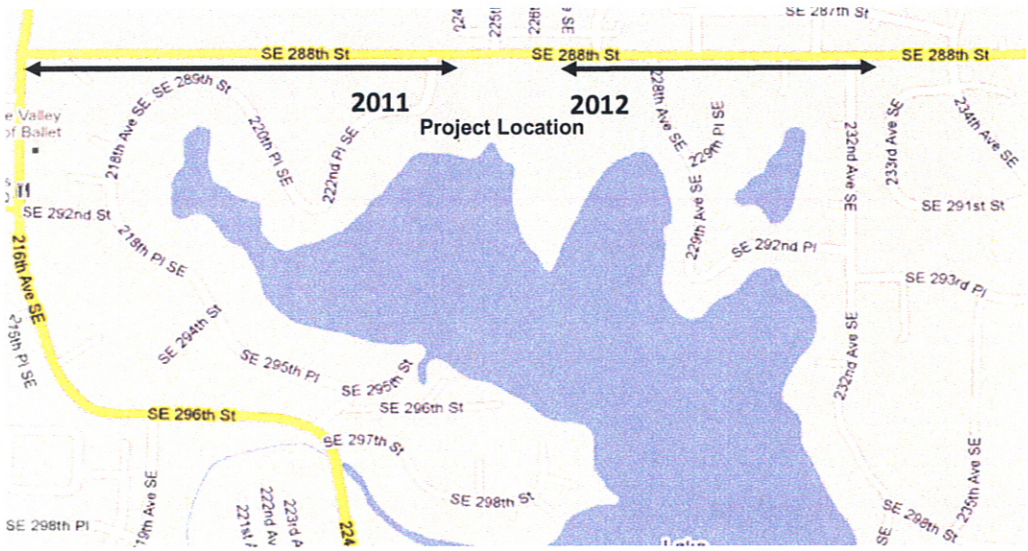
DESCRIPTION Patch and overlay the existing roadway from 228th Ave SE to 236th Ave SE.

BACKGROUND The city received a grant for half of the project from 224th to 216th. The first half of this project will be completed in 2011. The City will continue to seek grant funding for the second half.

COMMENTS Preparatory patching will be needed before overlay. The City will continue to seek grants for the second half of the project.

TIB GRANT APPROVED FOR OVERLAYS 2011

			Capital Plan 2012 - 2017						
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**Total Project Cost**
Construction Engineering	10,000	10,000	10,000						20,000
Construction Costs	102,388	110,000	110,000						212,388
TOTAL COSTS	**112,388**	**120,000**	**120,000**	**-**	**-**	**-**	**-**	**-**	**232,388**
REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	
Grants TIB	101,149	100,000	100,000						201,149
Street Funds	11,239								
Grant Matching		20,000	20,000						31,239
TOTAL SOURCES	**112,388**	**120,000**	**120,000**	**-**	**-**	**-**	**-**	**-**	**232,388**



Capital Improvement Program 2012 - 2017

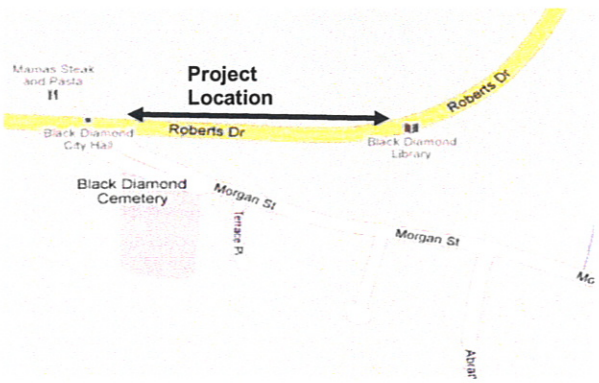
Project for the Street Department # T3

PROJECT TITLE **Roberts Drive Sidewalk Link to Morgan St**

DESCRIPTION Install a new pedestrian sidewalk and 1/2 street improvements from the Library to Morgan Street. The scope of work would include sidewalk, curb, gutter and a depressed landscape strip with vegetation to treat and infiltrate stormwater.

BACKGROUND The City received approval for a Transportation Improvement Board grant in 2010. The schedule is to prepare the design and bid documents in the summer of 2011, bid the project early in the year 2012 and construct in the summer of 2012. The cost is lower than previous projections.

			Capital Plan 2012 - 2017						
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**Total Cost incl 2011**
Design Engineering	71,000								71,000
Construction Costs	248,218								248,218
Other (contingency)		38,782	38,782						38,782
TOTAL COSTS	**319,218**	**38,782**	**38,782**	**-**	**-**	**-**	**-**	**-**	**358,000**
REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**Total Cost incl 2011**
TIB Grant	287,218								287,218
Real Estate Excise Tax II	32,000	38,782	38,782						70,782
TOTAL SOURCES	**319,218**	**38,782**	**38,782**	**-**	**-**	**-**	**-**	**-**	**358,000**



Roberts Drive between Morgan Street and the Library

Capital Improvement Program 2012 - 2017

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

PROJECT TITLE **Rock Creek Bridge Rehab / Replace**

DESCRIPTION

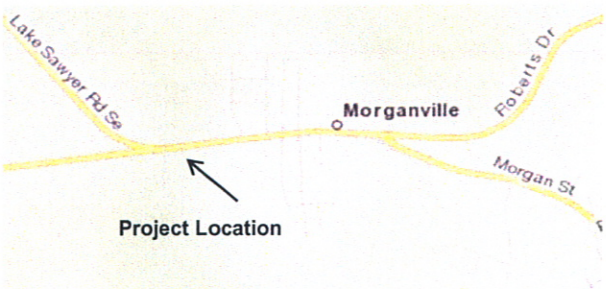
Rock Creek Bridge is on Roberts Road west of Morganville. Although the bridge is old the structure appears to be in good condition. Additional structural analysis is needed to determine if the bridge could be rated for truck traffic. Predesign work is needed to determine how the deck surface could be changed for additional width for vehicular and pedestrian traffic.

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 Plan 2012 - 2017					
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Preliminary Engineering		20,000	20,000					
TOTAL COSTS	-	**20,000**	**20,000**					
REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Other (Grant Matching)		20,000	20,000					
TOTAL SOURCES	-	**20,000**	**20,000**					

Rock Creek Bridge



Capital Improvement Program 2012 - 2017

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

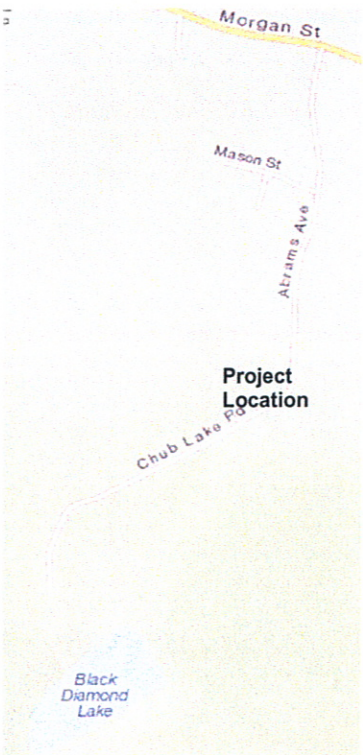
PROJECT TITLE **Elevate South Abram Ave**

DESCRIPTION Evaluate solutions and permitting requirements to raise the road elevation to 1.5 feet to 2 feet above average wet weather elevation of the Rock Creek Swamp or other solutions. The Bridge and Culverts also need to be raised.

BACKGROUND The average wet weather water level in the Rock Creek Swamp has raised about 1.5 feet in the last two years. The roadway now floods regularly leaving residents around Black Diamond Lake temporarily stranded until gates are opened and access is allowed through the Regional Sewer Pump Station Site.

COMMENTS Whereas the roadway is the only public access to this portion of the City, the city needs to assess the issue and determine a course of action to resolve the problem.

			Capital Plan 2012 - 2017					
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Preliminary Engineering		20,000	20,000					
TOTAL COSTS	-	**20,000**	**20,000**					
REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Street Funds		20,000	20,000					
TOTAL SOURCES	-	**20,000**	**20,000**					



Abrams Ave looking south toward Rock Creek Swamp

Capital Improvement Program 2012 - 2017

Project for the **Street Department** **# T6**

PROJECT TITLE **Grant Matching Fund**

DESCRIPTION This project is used to accumulate funds for a match for State (TIB) Grants for large projects now scheduled for 2017 and later.

COMMENTS For example, the West side of Lake Sawyer patch and overlay may cost between $1,000,000 and $1,500,000. Without grant matching funds, this project would be extremly difficult to fund.

			Capital Plan 2012 - 2017					
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Funding to Match Grants	40,000	280,000	40,000	40,000	50,000	50,000	50,000	50,000
TOTAL COSTS	**40,000**	**280,000**	**40,000**	**40,000**	**50,000**	**50,000**	**50,000**	**50,000**
REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Real Estate Excise Tax II	40,000	280,000	40,000	40,000	50,000	50,000	50,000	50,000
TOTAL SOURCES	**40,000**	**280,000**	**40,000**	**40,000**	**50,000**	**50,000**	**50,000**	**50,000**

What is Grant Matching?

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

Capital Improvement Program 2012 - 2017

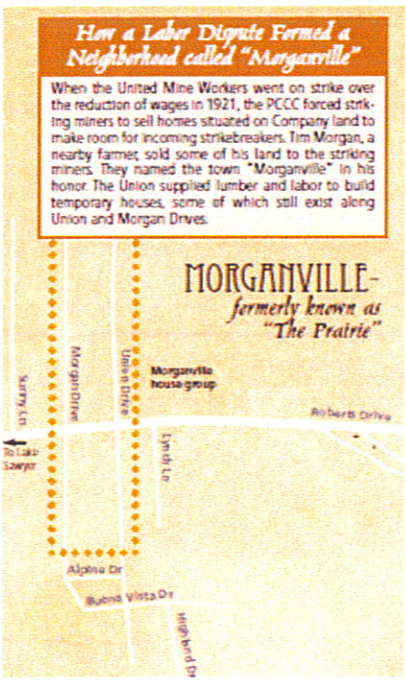
Project for the Street Department # T7

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.

			Capital Plan 2012 - 2017					
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Land/Right of Way		20,000		20,000				
Design Engineering		20,000		20,000				
Construction Costs		60,000			60,000			
TOTAL COSTS	-	**100,000**	-	**40,000**	**60,000**	-	-	-
REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Real Estate Excise Tax II		100,000		40,000	60,000			
TOTAL SOURCES	-	**100,000**	-	**40,000**	**60,000**	-	-	-



Intersection on Union Drive

Courtesy of Black Diamond Historical Society

Capital Improvement Program 2012 - 2017

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

PROJECT TITLE **Roberts Drive Reconstruction**

DESCRIPTION

Overlay existing roadway, address reflective cracking, widen to standard, install utilities as needed for future needs from SR 169 to the Rock Creek Bridge. The project will probably be built in phases.

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 continue to shift and break causing rough roadway conditions and maintenance costs.

COMMENTS

The preliminary corridor study is needed early on to settle on a road section, resolve the stormwater solutions, process through NEPA (National Enviromental Policy Act) and SEPA (State Environmental Policy Act), resolve the concrete panel fix, so the project can be prepared for grant funding.

			Capital Plan 2012 - 2017					
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Land/Right of Way		145,000			145,000			
Preliminary Engineering		20,000		20,000				
Construction Engineering		50,000					50,000	
Design Engineering		405,000				405,000		
Construction Costs		4,950,000					4,950,000	
TOTAL COSTS	-	**5,570,000**		**20,000**	**145,000**	**405,000**	**5,000,000**	

REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Grants		4,150,000					4,150,000	
Stormwater Connection/Reserves		50,000					50,000	
Street Funds		45,000			45,000			
Developer/Impact Fees/SEPA		900,000				300,000	600,000	
Real Estate Excise Tax II		205,000			100,000	105,000		
Grant Matching Funds		220,000		20,000			200,000	
TOTAL SOURCES	-	**5,570,000**		**20,000**	**145,000**	**405,000**	**5,000,000**	

NON CAPITAL OPERATING COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Salaries, Benefits and Maint.		30,000			10,000	10,000	10,000	
TOTAL OPERATING		**30,000**	-	-	**10,000**	**10,000**	**10,000**	-

Roberts Road close to SR169

Capital Improvement Program 2012 - 2017

Project for the **Street Department** **# T9**

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 Plan 2012 - 2017					
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Land/Right of Way		400,000		400,000				
Preliminary Engineering		50,000		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**	-	-
REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
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 Program 2012 - 2017

Project for the Street Department # T10

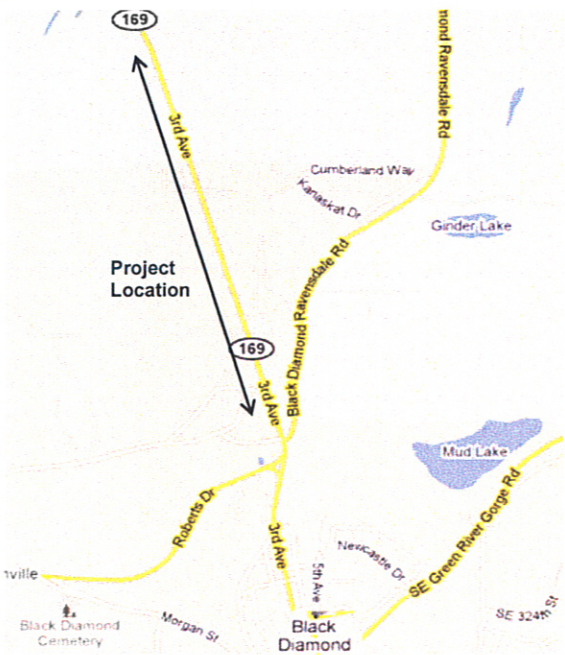
PROJECT TITLE SR 169 Gateway Corridor Improvement

DESCRIPTION Widen the roadway from Ravensdale 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.

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.

			Capital Plan 2012 - 2017					
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
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	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Grants		2,500,000					2,500,000	
Developer/Impact Fees/SEPA		3,200,000			200,000	300,000	2,700,000	
TOTAL SOURCES	-	**5,700,000**			**200,000**	**300,000**	**5,200,000**	



Capital Improvement Program 2012 - 2017

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

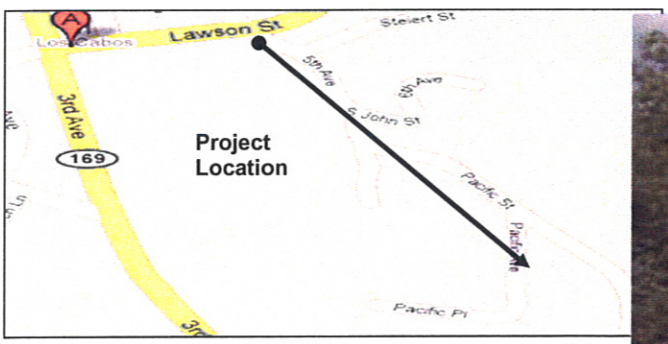
PROJECT TITLE **Pacific Street Neighborhood Improvements**

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.

			Capital Plan 2012 - 2017					
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Design Engineering		70,000					70,000	
Construction Costs		450,000						450,000
TOTAL COSTS	-	**520,000**					**70,000**	**450,000**
REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Water Connection/Reserves		25,000						25,000
Developer/Impact Fees/SEPA		395,000						395,000
Real Estate Excise Tax II		100,000					70,000	30,000
TOTAL SOURCES	-	**520,000**					**70,000**	**450,000**



Pacific Street

Capital Improvement Program 2012 - 2017

Project for the **Street Department** **# T12**

PROJECT TITLE **SR-169 Widening Lawson & Baker St Intersection**

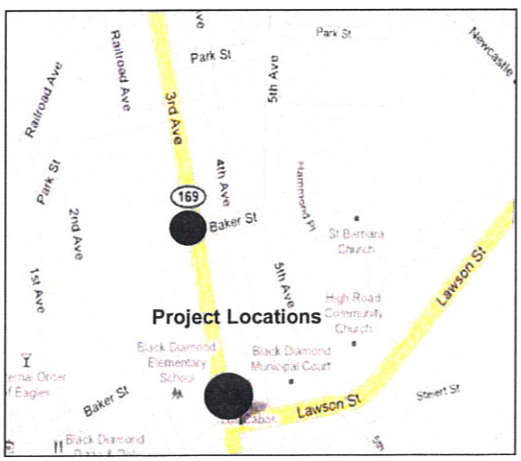
DESCRIPTION

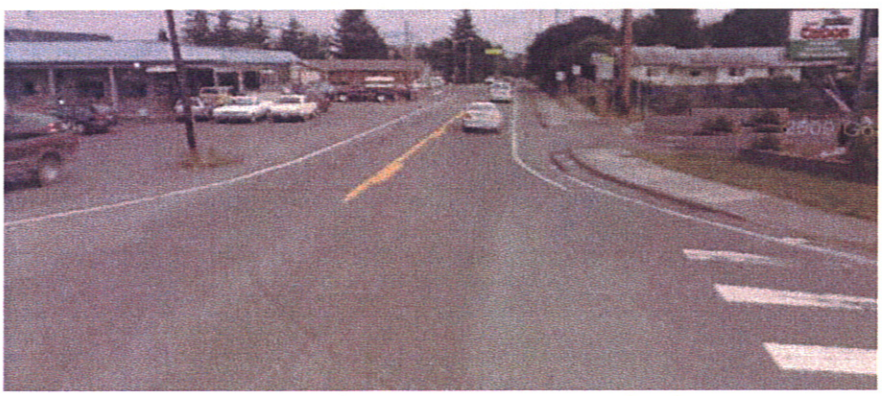
The left hand turn lanes are needed on 169 and on the approaching streets. 900 feet of SR-169 widening and channelization is needed. 200 feet of widening and channelization is needed on Lawson and Baker Street. See the Villages and Lawson Hills EIS for more detailed information.

BACKGROUND

This is a capacity adding project funded through the State Environmental Policy Act. 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 Plan 2012 - 2017					
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Land/Right of Way		200,000					200,000	
Design Engineering		150,000					150,000	
Construction Costs		1,200,000						1,200,000
TOTAL COSTS	-	**1,550,000**					**350,000**	**1,200,000**
REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
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

Street Department (Transportation Projects)
SUMMARY

Expenditure Summary by Project

	Project Name	Budgeted & Funded 2011	Total $ Requested 2012-2017	Capital Plan 2012 - 2017					
				2012	2013	2014	2015	2016	2017
T1	General Street Improvement	34,006	180,000	30,000	30,000	30,000	30,000	30,000	30,000
T2	SE 288th Street Overlay	112,388	120,000	120,000					
T3	Roberts Drive Sidewalk Link to Morgan St	319,218	38,782	38,782					
T4	Rock Creek Bridge Rehab / Replace		20,000	20,000					
T5	Elevate Abrams Avenue		20,000	20,000					
T6	Grant Matching Fund	40,000	280,000	40,000	40,000	50,000	50,000	50,000	50,000
T7	Morganville Intersection Improvements		100,000		40,000	60,000			
T8	Roberts Drive Reconstruction		5,570,000		20,000	145,000	405,000	5,000,000	
T9	Roberts Drive/State Rt 169 Roundabout		2,230,000		450,000	220,000	1,560,000		
T10	SR 169 Gateway Corridor Improvement		5,700,000			200,000	300,000	5,200,000	
T11	Pacific Street Neighborhood Improvements		520,000					70,000	450,000
T12	SR169 Widening at Larson and Baker St.		1,550,000					350,000	1,200,000
TOTAL EXPENDITURES		**505,612**	**16,328,782**	**268,782**	**580,000**	**705,000**	**2,345,000**	**10,700,000**	**1,730,000**

Funding Sources

		Budgeted & Funded 2011	Total $ Requested 2012-2017	Capital Plan 2012 - 2017					
				2012	2013	2014	2015	2016	2017
TIB and CDBG Grants									
T2	SE 288th Street Overlay	101,149	100,000	100,000					
T3	Roberts Drive Sidewalk Link to Morgan St	287,218							
T8	Roberts Drive Reconstruction		4,150,000					4,150,000	
T10	SR 169 Gateway Corridor Improvement		2,500,000					2,500,000	
	Total TIB and CDBG Grants	**388,367**	**6,750,000**	**100,000**				**6,650,000**	
Water Connection Fees/Reserves									
T11	Pacific Street Neighborhood Improvements		25,000						25,000
Total Water Connection/Reserves Funding			**25,000**						**25,000**
Stormwater Connection Fees/Reserves									
T8	Roberts Drive Reconstruction		50,000					50,000	
Total Stormwtr Connection/Reserves Funding			**50,000**					**50,000**	
Street Fund Funding									
T1	General Street Improvement		180,000	30,000	30,000	30,000	30,000	30,000	30,000
T2	SE 288th Street Overlay	11,239							
T5	Elevate Abrams Avenue		20,000	20,000					
T8	Roberts Drive Reconstruction		45,000			45,000			
	Total Street Fund Funding	**11,239**	**245,000**	**50,000**	**30,000**	**75,000**	**30,000**	**30,000**	**30,000**

Street Department (Transportation Projects)

Capital Improvement Program 2012 - 2017

Funding Sources, cont.

		Budgeted & Funded 2011	Total $ Requested 2012-2017	Capital Plan 2012 - 2017					
				2012	2013	2014	2015	2016	2017
Developer Funded/Impact Fees/SEPA									
T8	Roberts Drive Reconstruction		900,000				300,000	600,000	
T9	Roberts Drive/State Rt 169 Roundabout		2,230,000		450,000	220,000	1,560,000		
T10	SR 169 Gateway Corridor Improvement		3,200,000			200,000	300,000	2,700,000	
T11	Pacific Street Neighborhood Improvements		395,000						395,000
T12	SR169 Widening at Larson and Baker St.		1,550,000					350,000	1,200,000
	Total Developer/Impact/SEPA Funding		**8,275,000**		**450,000**	**420,000**	**2,160,000**	**3,650,000**	**1,595,000**
Real Estate Excise Tax II Funding									
T3	Roberts Drive Sidewalk Link to Morgan St	32,000	38,782	38,782					
T6	Grant Matching Fund	40,000	280,000	40,000	40,000	50,000	50,000	50,000	50,000
T7	Morganville Intersection Improvements		100,000		40,000	60,000			
T8	Roberts Drive Reconstruction		205,000			100,000	105,000		
T11	Pacific Street Neighborhood Improvements		100,000					70,000	30,000
	Total REET II Funding	**72,000**	**723,782**	**78,782**	**80,000**	**210,000**	**155,000**	**120,000**	**80,000**
Grant Matching Fund									
T2	SE 288th Street Overlay		20,000	20,000					
T4	Rock Creek Bridge Rehab / Replace		20,000	20,000					
T8	Roberts Drive Reconstruction		220,000		20,000			200,000	
Total Grant Matching Fund			**260,000**	**40,000**	**20,000**			**200,000**	
Beginning Fund Bal Carryover									
T1	General Street Improvement	34,006							
	Total Beginning Fund Bal Carryover	**34,006**							
TOTAL STREET PROJECTS		**505,612**	**16,328,782**	**268,782**	**580,000**	**705,000**	**2,345,000**	**10,700,000**	**1,730,000**

		Budgeted & Funded 2011	Total $ Requested 2012-2017	2012	2013	2014	2015	2016	2017
	NON CAPITAL OPERATING COSTS								
T8	Roberts Drive Salaries		30,000			10,000	10,000	10,000	
	TOTAL OPERATING	-	**30,000**	-	-	**10,000**	**10,000**	**10,000**	-

Capital Improvement Program 2012 - 2017

Project for the Water Department # W1

PROJECT TITLE — **Springs & River Crossing Rehab. Project**

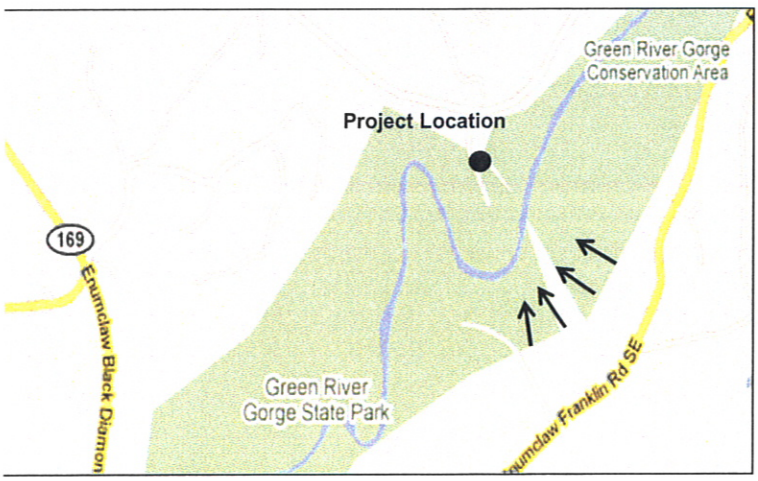
DESCRIPTION

Improvements to the springs and the points of collection. 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 pumps for greater pumping efficiency. Restore power generation capability.

BACKGROUND

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

		Capital Plan 2012 - 2017						
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Preliminary Engineering	50,000							
Construction Engineering		100,000	100,000					
Design Engineering	140,000							
Construction Costs		3,040,000	1,040,000	2,000,000				
Capital Outlay		500,000	500,000					
TOTAL COSTS	**190,000**	**3,640,000**	**1,640,000**	**2,000,000**	**-**	**-**	**-**	**-**
REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Grants		500,000	500,000					
Water Syst & Fac. Funding Agrmt.	190,000	3,140,000	1,140,000	2,000,000				
TOTAL SOURCES	**190,000**	**3,640,000**	**1,640,000**	**2,000,000**	**-**	**-**	**-**	**-**



Spring Water in Black Diamond

Capital Improvement Program 2012 - 2017

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

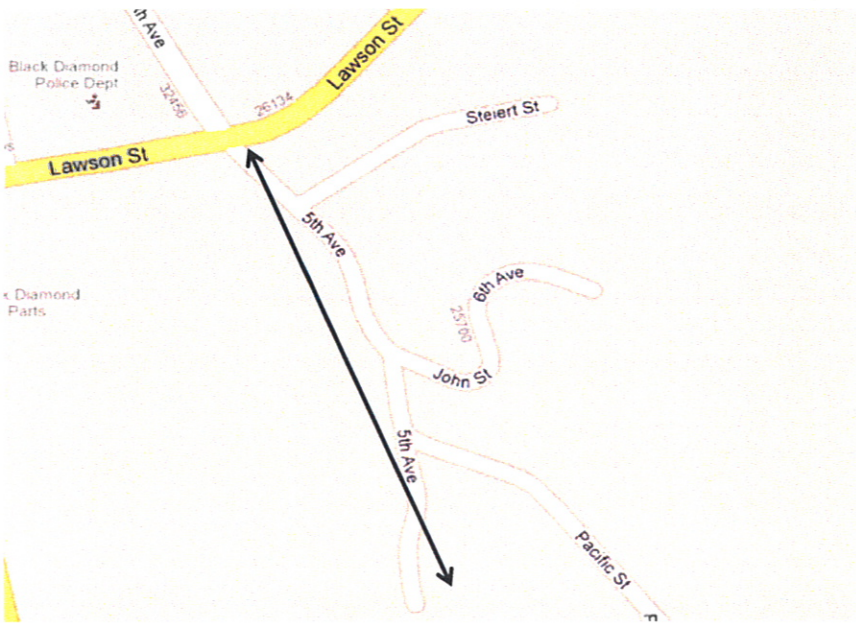
PROJECT TITLE **5th Ave Water Main Replacement**

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. There may be an opportunity for a CDBG Grant for this project.

			Capital Plan 2012 - 2017					
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Construction Engineering		15,000	15,000					
Design Engineering		30,000	30,000					
Construction Costs		130,000	130,000					
TOTAL COSTS	-	**175,000**	**175,000**	-	-	-	-	-

REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Grants		175,000	175,000					
TOTAL SOURCES	-	**175,000**	**175,000**	-	-	-	-	-



Capital Improvement Program 2012 - 2017

Project for the **Water Department** **# W3**

PROJECT TITLE **Public Works Facilities Design/Eng**

DESCRIPTION

The City needs to determine the long range viability of the current site. If a larger site is needed or if the public works department is to be divided, decisions will need to be made before too much is invested in the current location. Other long range considerations include greening these facilities with environmentally sound planning, providing adequate screening for the neighborhood, remodeling buildings and adding buildings to house equipment, file storage, showers, locker room, materials storage and a washdown area. Security will also be reviewed.

BACKGROUND

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

			Capital Plan 2012 - 2017					
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Preliminary Engineering		20,000	20,000					
TOTAL COSTS	-	**20,000**	**20,000**					
REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Water Connection Fees/Reserves		5,000	5,000					
Wastewater Utility Fund		5,000	5,000					
Stormwater Utility Fund		5,000	5,000					
Street Funds		5,000	5,000					
TOTAL SOURCES	-	**20,000**	**20,000**					

Current Photos Public Works Shops

Capital Improvement Program 2012 - 2017

Project for the Water Department # W4

PROJECT TITLE **Fire Flow Loop to N. Commerical 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.

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 Plan 2012 - 2017					
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Construction Costs		800,000			800,000			
TOTAL COSTS	-	**800,000**	-	-	**800,000**	-	-	-
REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Developer Funded		800,000			800,000			
TOTAL SOURCES	-	**800,000**	-	-	**800,000**	-	-	-

Capital Improvement Program 2012 - 2017

Project for the Water Department # W5

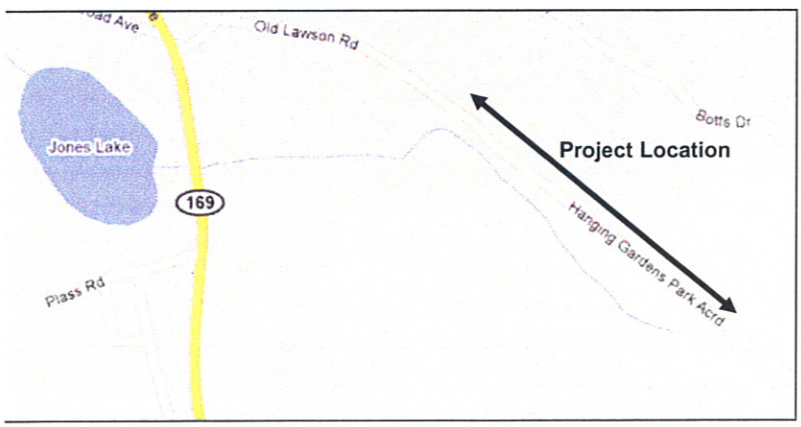
PROJECT TITLE — **Springs Transmission Main Replacement Phase I**

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.

			Capital Plan 2012 - 2017					
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Preliminary Engineering		20,000					20,000	
Design Engineering		80,000					80,000	
Construction Costs		700,000						700,000
TOTAL COSTS	**-**	**800,000**	**-**	**-**	**-**	**-**	**100,000**	**700,000**

REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
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

SUMMARY

Funding Summary by Project

Project Name	Budgeted & Funded 2011	Capital Plan 2012 - 2017						
		Total $ Requested 2012-2017	2012	2013	2014	2015	2016	2017
W1 Springs & River Crossing Rehab. Project	190,000	3,640,000	1,640,000	2,000,000				
W2 5th Avenue Water Main Replacement		175,000	175,000					
W3 Public Works Facilities Design/Eng		20,000	20,000					
W4 Fire Flow Loop to N. Commerical Area		800,000			800,000			
W5 Springs Transmission Main Replacement Phase I		800,000					100,000	700,000
TOTAL EXPENDITURES	**290,000**	**5,435,000**	**1,835,000**	**2,000,000**	**800,000**		**100,000**	**700,000**

Funding Sources

	Budgeted & Funded 2011	Capital Plan 2012 - 2017						
		Total $ Requested 2012-2017	2012	2013	2014	2015	2016	2017
Water System & Facilities Funding Agmt (WSFFA)								
W1 Springs & River Crossing Rehab. Project	190,000	3,140,000	1,140,000	2,000,000				
W5 Springs Transmission Main Replacement Phase I		800,000					100,000	700,000
Total WSFFA Funds	**190,000**	**3,940,000**	**1,140,000**	**2,000,000**			**100,000**	**700,000**
Water Connection Fees and Reserves								
W3 Public Works Facilities Design/Eng		5,000	5,000					
Total Water Connection Fees		**5,000**	**5,000**					
Wastewater Connection Fees and Reserves								
W3 Public Works Facilities Design/Eng		5,000	5,000					
Total Wastewater Connection Fees		**5,000**	**5,000**					
Stormwater Connection Fees and Reserves								
W3 Public Works Facilities Design/Eng		5,000	5,000					
Total Wastewater Connection Fees		**5,000**	**5,000**					
Street Fund Funding								
W3 Public Works Facilities Design/Eng		5,000	5,000					
Total Street Fund Funding		**5,000**	**5,000**					
Grant Funding								
W1 Springs & River Crossing Rehab. Project		500,000	500,000					
W2 5th Avenue Water Main Replacement		175,000	175,000					
Total Grant Funding		**675,000**	**675,000**					
Developer Funding								
W5 Fire Flow Loop to N. Commerical Area		800,000			800,000			
Total Developer Funding		**800,000**			**800,000**			
TOTAL WATER PROJECTS	**290,000**	**5,435,000**	**1,835,000**	**2,000,000**	**800,000**		**100,000**	**700,000**

Capital Improvement Program 2012 - 2017

Project for the **Wastewater Department** **# S1**

PROJECT TITLE **Infiltration and Inflow Reduction Program**

DESCRIPTION TV inspections, smoke testing, flow monitoring, new ordinance and policy review, and then pipe rehabilitation, sealing, private line replacement assistance program, some manhole rehabilitation, sewer line replacement as needed, monitor effectiveness.

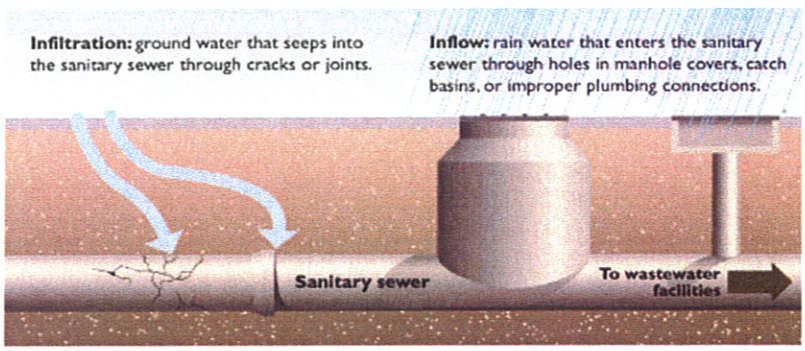
BACKGROUND The City needs to reduce the infiltration and inflow to meet contract requirements and Department of Ecology requirements. The City also desires to preserve and recapture capacity in the wastewater system by reducing and controlling peak flows that come primarily from storm and ground water getting into the system.

COMMENTS The City's draft comprehensive plan recommends significantly increasing the funding of dealing with this issue.

		Capital Plan 2012 - 2017						
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Design Engineering	80,000							
Construction Costs		180,000	30,000	30,000	30,000	30,000	30,000	30,000
TOTAL COSTS	**80,000**	**180,000**	**30,000**	**30,000**	**30,000**	**30,000**	**30,000**	**30,000**

REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Wstwtr Reserves/New Cust Fees	30,000	180,000	30,000	30,000	30,000	30,000	30,000	30,000
Beginning Fund Balance Carryover	50,000	-						
TOTAL SOURCES	**80,000**	**180,000**	**30,000**	**30,000**	**30,000**	**30,000**	**30,000**	**30,000**

NON CAPITAL OPERATING COSTS	**2011**	**Total $ Requested**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Salaries, Benefits, Maintenance	20,000	120,000	20,000	20,000	20,000	20,000	20,000	20,000
Debt Repayment								
TOTAL OPERATING	**20,000**	**120,000**	**20,000**	**20,000**	**20,000**	**20,000**	**20,000**	**20,000**



Courtesy of CRD, Victoria, BC

Capital Improvement Program 2012 - 2017

Project for the **Wastewater Department** **# S2**

PROJECT TITLE **Morganville Wastewater Lift Station Improvement**

DESCRIPTION Study the alternatives for the best discharge point of the pump station. Consider relocating out of the street. Reconstruct the sewer lift station, replace pumps and control panel, telemetry.

BACKGROUND The wastewater lift station will be 18 years old in 2012. As purely a repair and replacement project the funding has shifted to rates.

COMMENTS Considering the increased need and cost of getting I & I under control, this project has been reduced in scope to the essentials of pump and control replacement. On site back up power generation will be considered at a later date. The rerouting of sewer will be a separate capital project.

		Capital Plan 2012 - 2017						
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Design Engineering	30,000							
Construction Costs		80,000	80,000					
TOTAL COSTS	**30,000**	**80,000**	**80,000**	**-**	**-**	**-**	**-**	**-**
REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Wastewater Reserves	30,000	80,000	80,000					
TOTAL SOURCES	**30,000**	**80,000**	**80,000**	**-**	**-**	**-**	**-**	**-**

Capital Improvement Program 2012 - 2017

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

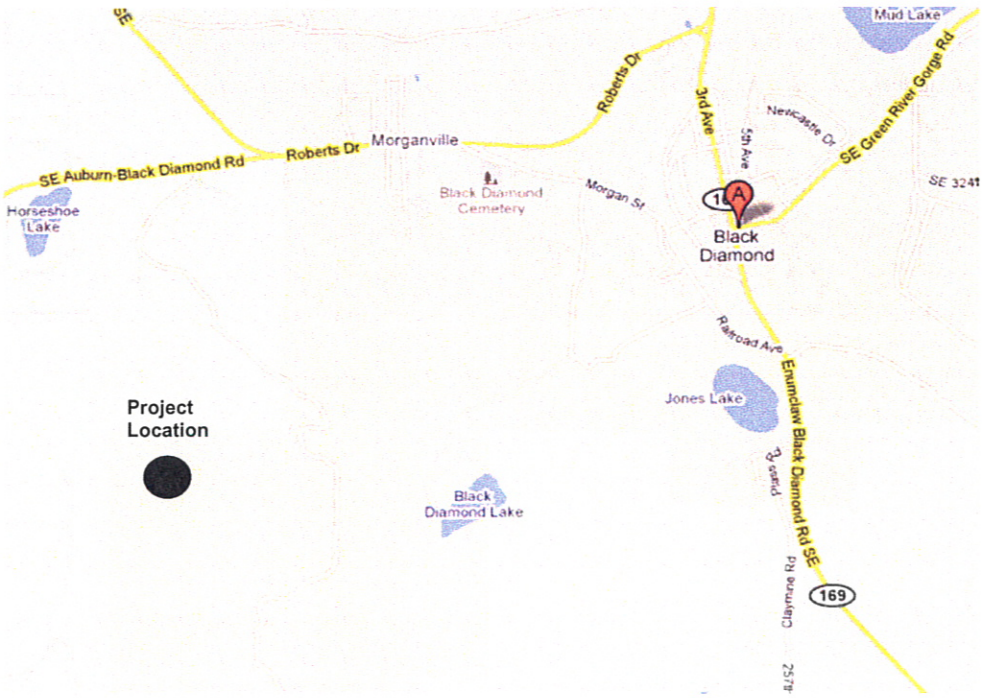
PROJECT TITLE **West Black Diamond Wastewater Lift Station**

DESCRIPTION Design and construct a wastewater lift station for the area west of Rock Creek and south of Soos Creek sewer service area. Phase one is site selection and design. Phase two is wastewater lift station construction and gravity main easement procurement.

BACKGROUND This project is to prepare for the upcoming 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 constructing ultimate facility to service this area. Timing will need to be coordinated with the Villages Developer. This CIP only shows the design and right-of-way costs at this time.

		Capital Plan 2012 - 2017						
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Land/Right of Way		250,000				250,000		
Preliminary Engineering		50,000			50,000			
Design Engineering		100,000					100,000	
TOTAL COSTS	-	**400,000**	-	-	**50,000**	**250,000**	**100,000**	-
REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Developer Funded		400,000			50,000	250,000	100,000	
TOTAL SOURCES	-	**400,000**	-	-	**50,000**	**250,000**	**100,000**	-



Capital Improvement Program 2012 - 2017

Project for the **Wastewater Department** **# S4**

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 3200 feet from Morgan Street west along Roberts Drive and northwest along Lake Sawyer Road East.

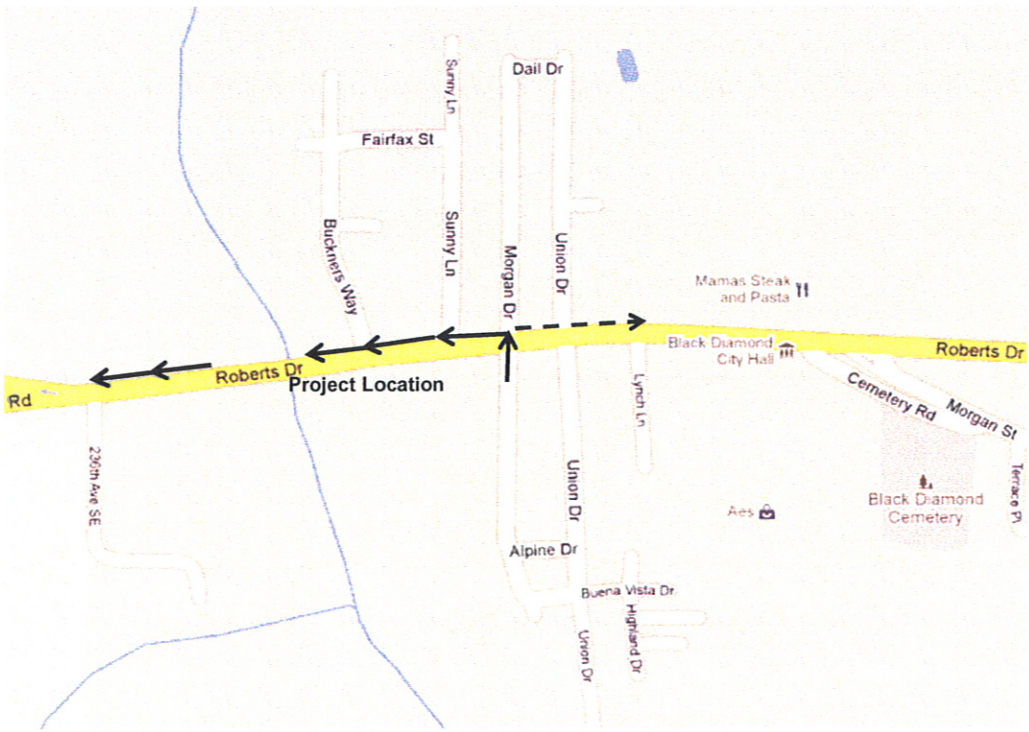
BACKGROUND

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 the Lawson Hills developer needs to temporarily direct new flows to the Black Diamond Pump Station (Jones Lake Pump Station) this project may need to be moved up in priority. The cost of expediting this project will need to be covered by the developer.

		Capital Plan 2012 - 2017						
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Preliminary Engineering		20,000				20,000		
Design Engineering		80,000					80,000	
Construction Costs		900,000					900,000	
TOTAL COSTS	-	**1,000,000**	-	-	-	**20,000**	**980,000**	-
REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Wstwtr Res/New Customer Fees		1,000,000				20,000	980,000	
TOTAL SOURCES	-	**1,000,000**	-	-	-	**20,000**	**980,000**	-



Capital Improvement Program 2012 - 2017

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

PROJECT TITLE **Cedarbrook Sewer Main**

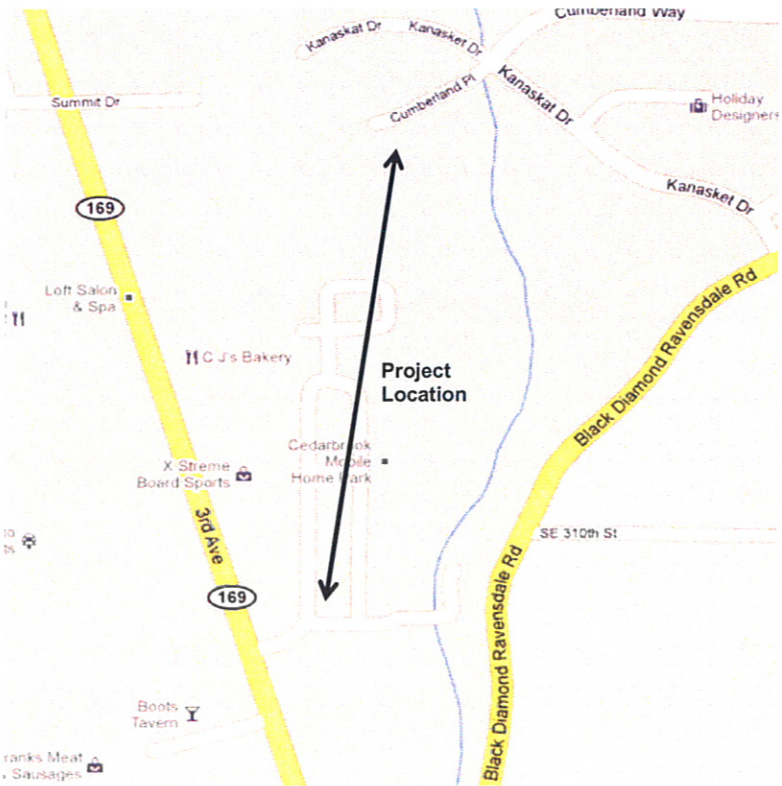
DESCRIPTION

Acquire City easement through the trailer park. Design and construct a new sewer main to serve all of the existing and future City customer in the north east portion of the City.

BACKGROUND

While this project will provide future conveyance capacity for this area of the City it will also 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.

		Capital Plan 2012 - 2017						
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Design Engineering		90,000						90,000
TOTAL COSTS	-	**90,000**	-	-	-	-	-	**90,000**
REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Wastewater Utility Fund		45,000						45,000
Wstwtr Res/New Customer Fees		45,000						45,000
	-	**90,000**	-	-	-	-	-	**90,000**



Wastewater Department

SUMMARY

Expenditure Summary by Project

Project Name	Budgeted & Funded 2011	Capital Plan 2012 - 2017: Total $ Requested 2012-2017	2012	2013	2014	2015	2016	2017
S1 Infiltration and Inflow Reduction Program	150,000	180,000	30,000	30,000	30,000	30,000	30,000	30,000
S2 Morganville Wastewater Lift Station Improvement	30,000	80,000	80,000					
S3 West Black Diamond Sewer Lift Station		400,000			50,000	250,000	100,000	
S4 Morganville Force Main Reroute		1,000,000				20,000	980,000	
S5 Cedarbrook Sewer Main		90,000						90,000
TOTAL EXPENDITURES	**180,000**	**1,750,000**	**110,000**	**30,000**	**80,000**	**300,000**	**1,110,000**	**120,000**

Funding Sources

	Budgeted & Funded 2011	Capital Plan 2012 - 2017: Total $ Requested 2012-2017	2012	2013	2014	2015	2016	2017
Wastewater Utility Funding								
S5 Cedarbrook Sewer Main		45,000						45,000
Total Wastewater Utility Funding		**45,000**						**45,000**
Wastewater Reserves, New Customers & Conn. Fees								
S1 Infiltration and Inflow Reduction Program	100,000	180,000	30,000	30,000	30,000	30,000	30,000	30,000
S2 Morganville Wastewater Lift Station Improvement	30,000	80,000	80,000					
S4 Morganville Force Main Reroute		1,000,000				20,000	980,000	
S5 Cedarbrook Sewer Main		45,000						45,000
Total Wstewtr Reserves/New Cust & Conn.Fees	**180,000**	**1,305,000**	**110,000**	**30,000**	**30,000**	**50,000**	**1,010,000**	**75,000**
Developer Funded								
S3 West Black Diamond Sewer Lift Station		400,000			50,000	250,000	100,000	
Total Developer Funded	**12,000**	**400,000**			**50,000**	**250,000**	**100,000**	
Total Wastewater Projects	**277,462**	**1,750,000**	**110,000**	**30,000**	**80,000**	**300,000**	**1,110,000**	**120,000**

NON CAPITAL OPERATING COSTS	2011	Total $ Requested 2012-2017	2012	2013	2014	2015	2016	2017
S1 Maintenance Costs (Infiltration and Inflow)	20,000	120,000	20,000	20,000	20,000	20,000	20,000	20,000
TOTAL NON CAPITAL OPERATING	**20,000**	**120,000**	**20,000**	**20,000**	**20,000**	**20,000**	**20,000**	**20,000**

Capital Improvement Program 2012 - 2017

Project for the Stormwater Department # D1

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

DESCRIPTION Maintenance of Roads: Replace twin culverts with a bottomless box culvert and install guard rails to protect vehicles from running into the creek.

BACKGROUND The twin culverts may impede the upstream migration of salmon. The existing corregated 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 2012 to assist with attracting grant and private mitagation funds.

		Capital Plan 2012 - 2017						
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Design Engineering		70,000		70,000				
Construction Costs		250,000			250,000			
TOTAL COSTS	-	**320,000**	-	**70,000**	**250,000**	-	-	-
REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Grants (Dept of Ecology)		290,000		40,000	250,000			
Real Estate Excise Tax II		30,000		30,000				
TOTAL SOURCES	-	**320,000**	-	**70,000**	**250,000**	-	-	-

Example of a box culvert

Capital Improvement Program 2012 - 2017

Project for the Stormwater Department # D2

PROJECT TITLE **Ginder Creek Stormwater Treatment Pond**

DESCRIPTION

Stormwater treatment facility: a wetpond and bioswale combined treatment facility to provide maximum phosphorous removal along the abondoned RR Ave north of Park Street. Detention will also be provided.

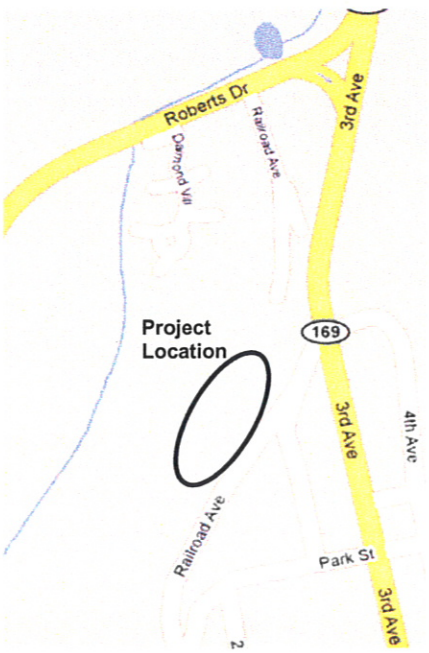
BACKGROUND

The City has three major untreated stormwater discharges onto City property west of the downtown area that then flow directly into Ginder Creek. Some treatment is accomplished by natural flow across the surface before discharge into the creek. The City should look for grant opportunities or private opportunities to upgrade the treatment of the stormwater discharges into Ginder Creek.

COMMENTS

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

		Capital Plan 2012 - 2017						
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Design Engineering		50,000			50,000			
Construction Costs		700,000				700,000		
TOTAL COSTS	-	**750,000**	-	-	**50,000**	**700,000**	-	-
	Budgeted & Funded 2011	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Grants (Dept of Ecology)		700,000				700,000		
Stormwater Conn Fees/Reserves		20,000			20,000			
Developer Funded		30,000			30,000			
TOTAL SOURCES	-	**750,000**	-	-	**50,000**	**700,000**	-	-



Example of a bioswale to help filter storm water

Capital Improvement Program 2012 - 2017

Project for the Stormwater Department

Info only

PROJECT TITLE — **Street Sweeper**

DESCRIPTION

Water Quality Project: Purchase a vacuum street sweeper to keep sediment and debris from being carried into the storm systems and on into wetlands, streams and creeks.

BACKGROUND

At some point the City will have enough curbed street to warrant purchasing their own street sweeper. For right now the most cost effective option will be to bid out service to street sweeping companies. This equipment purchase should be re-evaluated in 2015.

COMMENTS

Street sweeping is a best management stormwater practice needed to stay in compliance with the Lake Sawyer TMDL (total maximum daily limit) and the City's stormwater permit requirements.

		Capital Plan 2012 - 2017							
CAPITAL PROJECT COSTS	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Capital Outlay		TBD						TBD
TOTAL COSTS	-		-	-	-	-	-	-
REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Stormwtr Connection Fees/Res		TBD						TBD
TOTAL SOURCES	-	-	-	-	-	-	-	-

Capital Improvement Program 2012 - 2017

Project for the **Stormwater Department** Info only - complete in 2012

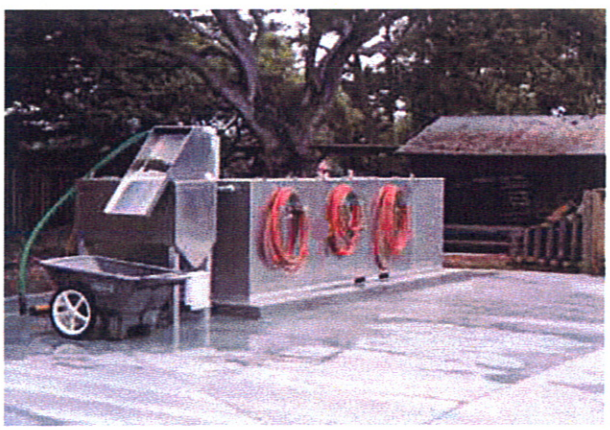
PROJECT TITLE **NPDES Permit Compliance Project - Grant 2**

DESCRIPTION This project is now funded by the Department of Ecology Capacity Grant. The grant will fund the equipment washing facility, warehouse improvements for equipment housing, Equipment Washing Facility, small equipment purchases, training and some program elements.

COMMENTS This project is being funded through Department of Ecology Stormwater Grant #2.

		Capital Plan 2012 - 2017						
	Budgeted & Funded 2011	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Construction (To be Complete 2012)	81,000							
TOTAL COSTS	**81,000**	-	-	-	-	-	-	-

REQUESTED FUNDING	**Budgeted & Funded 2011**	**Total $ Requested 2012-2017**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Grant #2 (Dept of Ecology)	81,000							
TOTAL SOURCES	**81,000**	-	-	-	-	-	-	-



Example of an Equipment Washing Facility

Public Works Shops Location

Stormwater Department

SUMMARY

Expenditure Summary by Project

Project Name	Budgeted & Funded 2011	Total $ Requested 2012-2017	Capital Plan 2012 - 2017					
			2012	2013	2014	2015	2016	2017
D1 Lake Sawyer Road Culvert and Guardrail		320,000		70,000	250,000			
D2 Ginder Creek Stormwater Treatment Pond		750,000			50,000	700,000		
TOTAL PROJECT EXPENDITURES		**1,070,000**		**70,000**	**300,000**	**700,000**		

Funding Sources

	Budgeted & Funded 2011	Total $ Requested 2012-2017	Capital Plan 2012 - 2017					
			2012	2013	2014	2015	2016	2017
DOE Grant - Future								
D1 Lake Sawyer Road Culvert and Guardrail		290,000		40,000	250,000			
D2 Ginder Creek Stormwater Treatment Pond		700,000				700,000		
Total Ecology Grants		**990,000**		**40,000**	**250,000**	**700,000**		
Stormwater Connection Fees/Reserves								
D2 Ginder Creek Stormwater Treatment Pond		20,000			20,000			
Total Stormwater Connection Fees/Reserves		**20,000**			**20,000**			
Real Estate Excise Tax II								
D1 Lake Sawyer Road Culvert and Guardrail		30,000		30,000				
Total Real Estate Excise Tax II		**30,000**		**30,000**				
Developer Funded								
D2 Ginder Creek Stormwater Treatment Pond		30,000			30,000			
Total Developer Funded		**30,000**			**30,000**			
TOTAL STORMWATER PROJECTS		**1,070,000**		**70,000**	**300,000**	**700,000**		

Storm Water Drainage

CIP Public Works Revenue Summary

Capital Improvement Program 2012 - 2017

		Total $ Project	Capital Plan 2012 - 2017					
			2012	2013	2014	2015	2016	2017
	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	120,000	120,000					
T3	Roberts Drive Sidewalk Link to Morgan St	38,782	38,782					
T4	Rock Creek Bridge Rehab / Replace	20,000	20,000					
T5	Elevate Abrams Avenue	20,000	20,000					
T6	Grant Matching Fund	280,000	40,000	40,000	50,000	50,000	50,000	50,000
T7	Morganville Intersection Improvements	100,000		40,000	60,000			
T8	Roberts Drive Reconstruction	5,570,000		20,000	145,000	405,000	5,000,000	
T9	Roberts Drive/State Rt 169 Roundabout	2,230,000		450,000	220,000	1,560,000		
T10	SR 169 Gateway Corridor Improvement	5,700,000			200,000	300,000	5,200,000	
T11	Pacific Street Neighborhood Improvements	520,000					70,000	450,000
T12	SR169 Widening at Larson and Baker St.	1,550,000					350,000	1,200,000
	STREET PROJECTS	**16,328,782**	**268,782**	**580,000**	**705,000**	**2,345,000**	**10,700,000**	**1,730,000**
	WATER PROJECTS							
W1	Springs & River Crossing Rehab. Project	3,640,000	1,640,000	2,000,000				
W2	5th Avenue Water Main Replacement	175,000	175,000					
W3	Public Works Facilities Design/Eng	20,000	20,000					
W4	Fire Flow Loop to N. Commerical Area	800,000			800,000			
W5	Springs Tranmission Main Replacement P1	800,000					100,000	700,000
	WATER PROJECTS	**5,435,000**	**1,835,000**	**2,000,000**	**800,000**		**100,000**	**700,000**
	WASTEWATER PROJECTS							
S1	Infiltration and Inflow Reduction Program	180,000	30,000	30,000	30,000	30,000	30,000	30,000
S2	Morganville Wastewtr Lift Station Improv	80,000	80,000					
S3	West Black Diamond Sewer Lift Station	400,000			50,000	250,000	100,000	
S4	Morganville Force Main Reroute	1,000,000				20,000	980,000	
S5	Cedarbrook Sewer Main	90,000						90,000
	WASTEWATER PROJECTS	**1,750,000**	**110,000**	**30,000**	**80,000**	**300,000**	**1,110,000**	**120,000**
	STORMWATER PROJECTS							
D1	Lake Sawyer Road Culvert and Guardrail	320,000		70,000	250,000			
D2	Ginder Creek Stormwater Treatment Pond	750,000			50,000	700,000		
	STORMWATER PROJECTS	**1,070,000**		**70,000**	**300,000**	**700,000**		
Total Public Works Requested Projects		**24,583,782**	**2,213,782**	**2,680,000**	**1,885,000**	**3,345,000**	**11,910,000**	**2,550,000**

CIP Public Works Revenue Summary

Capital Improvement Program 2012 - 2017

		Total $ Project	Capital Plan 2012 - 2017					
			2012	2013	2014	2015	2016	2017
	REET II Funding							
T3	Roberts Drive Sidewalk Link to Morgan St	38,782	38,782					
T6	Grant Matching Fund	280,000	40,000	40,000	50,000	50,000	50,000	50,000
T7	Morganville Intersection Improvements	100,000		40,000	60,000			
T8	Roberts Drive Reconstruction	205,000			100,000	105,000		
T11	Pacific Street Neighborhood Improvements	100,000					70,000	30,000
D1	Lake Sawyer Road Culvert and Guardrail	30,000		30,000				
	Total REET II Funding	**753,782**	**78,782**	**110,000**	**210,000**	**155,000**	**120,000**	**80,000**
	Water Connection Fees/Reserves							
W3	Public Works Facilities Site Planning	5,000	5,000					
T11	Pacific Street Neighborhood Improvements	25,000						25,000
	Total Water Connection Fees/Reserves	**30,000**	**5,000**					**25,000**
	Wastewater Connection Fees/Reserves							
S1	Infiltration and Inflow Reduction Program	180,000	30,000	30,000	30,000	30,000	30,000	30,000
S2	Morganville Wastewtr Lift Station Improv	80,000	80,000					
S4	Morganville Force Main Reroute	1,000,000				20,000	980,000	
S5	Cedarbrook Sewer Main	45,000						45,000
W4	Public Works Facilities Site Planning	5,000	5,000					
	Total Wastewater Connection Fees/Reserves	**1,310,000**	**115,000**	**30,000**	**30,000**	**50,000**	**1,010,000**	**75,000**
	Stormwater Connection Fees/Reserves							
W4	Public Works Facilities Design/Eng	5,000	5,000					
T8	Roberts Drive Reconstruction	50,000					50,000	
D2	Ginder Creek Stormwater Treatment Pond	20,000			20,000			
	Total Stormwater Connection Fees/Reserves	**75,000**	**5,000**		**20,000**		**50,000**	
	Developer, Impact Fees and/or SEPA							
T8	Roberts Drive Reconstruction	900,000				300,000	600,000	
T9	Roberts Drive/State Rt 169 Roundabout	2,230,000		450,000	220,000	1,560,000		
T10	SR 169 Gateway Corridor Improvement	3,200,000			200,000	300,000	2,700,000	
T11	Pacific Street Neighborhood Improvements	395,000						395,000
T12	SR169 Widening at Larson and Baker St.	1,550,000					350,000	1,200,000
W4	Fire Flow Loop to N. Commerical Area	800,000			800,000			
S3	West Black Diamond Sewer Lift Station	400,000			50,000	250,000	100,000	
D2	Ginder Creek Stormwater Treatment Pond	30,000			30,000			
	Total Developer, Street Impact and/or SEPA Fees	**9,505,000**		**450,000**	**1,300,000**	**2,410,000**	**3,750,000**	**1,595,000**
	Street Fund Funding							
T1	General Street Improvement	180,000	30,000	30,000	30,000	30,000	30,000	30,000
T5	Elevate Abrams Avenue	20,000	20,000					
T8	Roberts Drive Reconstruction	45,000			45,000			
W4	Public Works Facilities Design/Eng	5,000	5,000					
	Total Street Fund Funding	**250,000**	**55,000**	**30,000**	**75,000**	**30,000**	**30,000**	**30,000**
	WSFFA							
W1	Springs & River Crossing Rehab. Project	3,140,000	1,140,000	2,000,000				
W5	Springs Tranmission Main Replacement P1	800,000					100,000	700,000
	Total WSFFA	**3,940,000**	**1,140,000**	**2,000,000**			**100,000**	**700,000**
	Wastewater Utility Funding							
S5	Cedarbrook Sewer Main	45,000						45,000
	Total Wastewater Utility Funding	**45,000**						**45,000**

CIP Public Works Revenue Summary

Capital Improvement Program 2012 - 2017

		Total $ Project	Capital Plan 2012 - 2017					
			2012	2013	2014	2015	2016	2017
	Grants (TIB,CDBG,DOE, etc)							
T2	SE 288th Street Overlay	100,000	100,000					
T8	Roberts Drive Reconstruction	4,150,000					4,150,000	
T10	SR 169 Gateway Corridor Improvement	2,500,000					2,500,000	
W1	Springs & River Crossing Rehab. Project	500,000	500,000					
W2	5th Ave Water Main Replacement	175,000	175,000					
D1	Lake Sawyer Road Culvert and Guardrail	290,000		40,000	250,000			
D2	Ginder Creek Stormwater Treatment Pond	700,000				700,000		
	Total Grants	**8,415,000**	**775,000**	**40,000**	**250,000**	**700,000**	**6,650,000**	
	Grant Matching							
T2	SE 288th Street Overlay	20,000	20,000					
T4	Rock Creek Bridge Rehab / Replace	20,000	20,000					
T8	Roberts Drive Reconstruction	220,000		20,000			200,000	
	Total Grant Matching	**260,000**	**40,000**	**20,000**			**200,000**	
	Grand Total Public Works CIP Funding	**24,583,782**	**2,213,782**	**2,680,000**	**1,885,000**	**3,345,000**	**11,910,000**	**2,550,000**

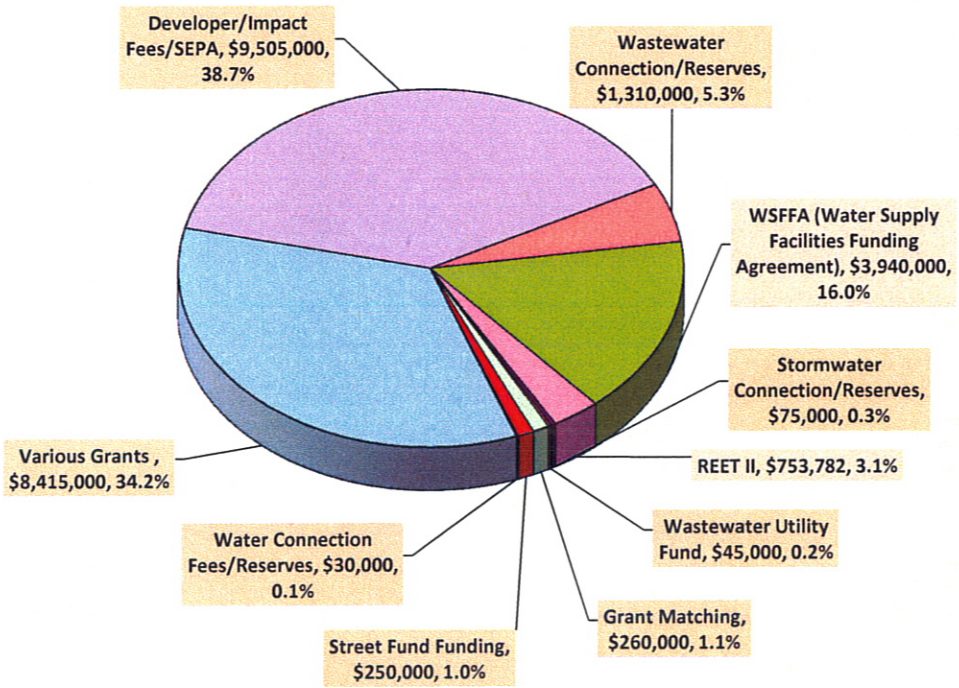
	Projects Budgeted and Funded in 2011		**2012 -2017 CIP Projects also Funded in 2011**					
	Street	**Budgeted & Funded 2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
	Railroad Avenue Reconstruction - DONE	207,495						
	Morgan St Sidewalk Ext Phase II - DONE	155,509						
	Lawson St and Newcastle Intersect. Repair	105,000						
T1	General Street Improvement	34,006	30,000	30,000	30,000	30,000	30,000	30,000
T2	SE 288th Street Overlay	112,388	120,000					
T3	Roberts Drive Sidewalk Link to Morgan St	319,218	38,782					
T6	Grant Matching Fund	40,000	40,000	40,000	50,000	50,000	50,000	50,000
	Water							
	Meter Replacement Program	100,000						
W1	Springs & River Crossing Rehab. Project	190,000	1,640,000	2,000,000				
	Wastewater							
	Wastewater Storage Project (2011)	12,000						
	Wastewater Comp Plan (2011)	11,006						
	Pres. Wstwtr Trmt Plant Future Use (2011)	24,456						
S1	Infiltration and Inflow Reduction Program	150,000	30,000	30,000	30,000	30,000	30,000	30,000
S2	Morganville Wastewtr Lift Station Improv	30,000	80,000					
	Replace Old Lawson Lift Station (2011)	50,000						
	Stormwater							
	NPDES Permit Comp. Proj G1 (Complete 2011)	21,481						
	NPDES Permit Comp. G2 (Complete by 2012)	81,000						
	2011 Projects	**1,643,559**						
	Grand Total all years: 2011 - 2017	**26,227,341**						

CIP Public Works Revenue Summary

Capital Improvement Program 2012 - 2017

REQUESTED FUNDING	Total $ Project	2012	2013	2014	2015	2016	2017
Various Grants	8,415,000	775,000	40,000	250,000	700,000	6,650,000	
Developer/Impact Fees/SEPA	9,505,000		450,000	1,300,000	2,410,000	3,750,000	1,595,000
Wastewater Connection/Reserves	1,310,000	115,000	30,000	30,000	50,000	1,010,000	75,000
WSFFA (Water Supply Facilities Funding Agreement)	3,940,000	1,140,000	2,000,000			100,000	700,000
REET II	753,782	78,782	110,000	210,000	155,000	120,000	80,000
Stormwater Connection/Reserves	75,000	5,000		20,000		50,000	
Wastewater Utility Fund	45,000						45,000
Grant Matching	260,000	40,000	20,000			200,000	
Street Fund Funding	250,000	55,000	30,000	75,000	30,000	30,000	30,000
Water Connection Fees/Reserves	30,000	5,000					25,000
TOTAL SOURCES	**$24,583,782**	**$2,213,782**	**$2,680,000**	**$1,885,000**	**$3,345,000**	**$11,910,000**	**$2,550,000**

Public Works CIP by Type of Funding Total: $24,583,782



Non Capital Operating Costs

	Total $ Requested	2012	2013	2014	2015	2016	2017
Maint. Costs Infil/WBD Sewer Main	120,000	20,000	20,000	20,000	20,000	20,000	20,000
Maintenance Roberts Drive	30,000			10,000	10,000	10,000	
Interfund Debt Repay Water Meters	160,000	40,000	40,000	40,000	40,000		
Total Operating Public Works	**310,000**	**60,000**	**60,000**	**70,000**	**70,000**	**30,000**	**20,000**

CITY OF BLACK DIAMOND

2011 Schedule
2012 – 2017 Capital Improvement Plan (CIP)

(Regular scheduled Council meeting are in **BOLD)**

	Process	Internal Due Date	Committee Meetings	Workstudy	City Council Meetings
1	CIP Planning Meeting with Mayor/Brenda	March 31			
2	CIP Call letter to affected departments (include goals, rules and timelines)	April 5			
3	Finance prepares operating revenue sources for affected funds such as Street, Sewer, Water, Drainage and General Government and provides 2012-2017 worksheets to managers	April 7			
4	Departments prepare detailed requests and submit to City Administration and Finance	April 22			
5	Finance prepares Draft Spreadsheet combining revenues and department requests for Internal review with Administration	April 28			
6	Administration and Finance meet departments to review options	April 29-May 6			
7	CIP Committee Meeting for Public Works (Hanson, Saas)		May 10 4:00		
8	CIP Committee Meeting for Parks (Saas, Goodwin)		May 19 4:00		
10	CIP Committee Meeting for Finance (Public Works) (Goodwin, Boston)		May 26 9:00		
11	CIP Council Workstudy Public Works only			May 26 Special Mtg 4:00	
12	CIP Committee Meeting for Public Safety (Mulvihill, Hanson)		June 21 Special Mtg 4:00		
13	CIP Committee Meeting for Finance (Non Public Works) (Goodwin, Boston)		June 23 9:00		
14	CIP Council Workstudy: Non-Public Works			June 23 Special Mtg 4:00	
15	Public Hearings on proposed 2012 – 2017 CIP				**July 7th**
16	Council adopts 2012 – 2017 CIP				**July 21**