



CITY OF BLACK DIAMOND
May 27, 2010 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.

5:00 P.M. – CALL TO ORDER, ROLL CALL

- 1.) 2011-2016 Capital Improvement Plan- Public Works- Ms. Miller and Mr. Boettcher
- 2.) Adjournment

City of Black Diamond



Public Works

Capital Improvement Plan 2011 – 2016

City Council Workshop
May 27, 2010

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Overview of the Capital Improvement Program

What is the Capital Improvement Program?

A Capital Improvement Program (CIP) is a roadmap that provides direction and guidance for carefully planning and managing Black Diamond's capital and infrastructure assets. It is an investment in the future of our community.

This document presents the proposed plan for major public facility improvements that will be implemented over the next six fiscal years. The projects included in the fiscal 2011-2016 CIP are consistent with the City Council's priorities and address the needs for the acquisition, rehabilitation, and expansion of the City's infrastructure and capital assets.

The City of Black Diamond Capital Improvement Program (CIP) addresses the growing needs of the City and enhances the quality of life through major public improvement projects.

Capital Projects are listed in the CIP by number, according to each major program area. For each project there is an estimated start and completion date that has been projected by the city department in charge of the improvement. The CIP also shows the total cost of the project and the amount allocated to the project for each year of the plan. Identifying capital projects and their anticipated funding sources assists in the planning and scheduling of finances for projects and the manpower needed to plan, design and construct the projects.

Examples of projects in Black Diamond's six-Year CIP include street rehabilitation, water projects, wastewater facilities, park improvements, a fire station and equipment, police capital needs, and public building construction and improvement. Land purchases are also included in CIP planning since it is considered a capital asset.

These projects are usually long-term in nature (over one year) to complete and are frequently financed over a period of time. Typically, a CIP project has a dollar amount over \$10,000.

How are projects in the Capital Improvement Program paid for?

The six-year CIP is a format by which the City uses to review the funding of desired capital improvements that compete for scarce financial resources. Generally, funding for capital improvements is provided through Real Estate Excise Tax revenue (REET), capital reserves, public trust fund loans, grants, impact fees and developer funding.

Types of Capital Projects

Capital projects are essential to the delivery of many of the City's core services. The capital projects in each major department are described below.

- Transportation The road system in Black Diamond is a vital infrastructure to city residents, visitors and commuters. This infrastructure includes roads, bridges, bike lanes and sidewalks. The responsibility for the funding and construction of transportation infrastructure is usually shared with developers in the form of impact fees, as new development has need for additional transportation improvements. A good deal of funding for street improvement comes from Real Estate Excise Taxes.
- Parks and Recreation There are regional and local parks in Black Diamond as well as bike and hiking trails, a skate park and a BMX Course. Outdoor enthusiasts choose to live in Black Diamond for the natural beauty of the surroundings and sporting opportunities. Park improvements are primarily financed by Real Estate Excise Taxes, grants and developer contributions.

- Utilities The City provides water, sewer and stormwater utility services to residents and businesses. Capital Facilities include sewer treatment facilities, transmission systems and storm water detention facilities. Developers contribute to these projects, as growth requires infrastructure expansion. Capital reserves, grants, loans and Real Estate Excise Taxes also provide funding for utilities in Black Diamond.
- Public Safety Capital facilities and equipment are required to deliver core City services of Police and Fire. These facilities include the fire and police stations, vehicles and major equipment. Funding for these capital projects largely comes from Real Estate Excise Taxes and reserves.
- General Capital The City is responsible for funding the construction and maintenance of city buildings and facilities. Included are technological capital projects that provide better services and communication at the City. These capital costs are largely funded through Real Estate Excise Taxes.

Growth Management Act and Land Use Policies

Comprehensive planning is required in Washington State since the Growth Management Act (GMA) was adopted by the legislature in 1990. The objective of the Act is to limit sprawl, protect sensitive areas and promote efficient and effective delivery of public services by concentrating population, industry and public services in urban areas. The City is anticipating two development areas in Black Diamond, The Villages and Lawson Hills. These planned developments have a huge impact on the City's Capital Improvement Program, as up to 6,000 new homes may be built eventually in those new neighborhoods.

Level of Service

The number and type of capital facilities needed to serve Black Diamond is directly related to the level of public service provided. The level of service is established by City Council and the City's Comprehensive Plan.

Maintenance and Funding Constraints

Once completed and placed in service, capital facilities must be maintained. Funding for the maintenance of capital projects for City Utilities are funded with user fees in the respective operating budgets. Maintenance funding for projects are funded through current operations, not the capital budget. For that reason the availability of funding for future maintenance must be considered when preparing the capital budget.

Development and Approval Process

The Capital Improvement Plan is updated annually. Each year individual projects are submitted by department directors. They use a template provided by Finance staff. These requests include an update of current projects and projections on new projects and anticipated costs. Each project must have specific funding sources identified. The Mayor, Finance Director and Management meet to balance projects to available funding. After several Council Committee meetings, workstudy sessions and a public hearing, then the proposed plan is brought before Council for approval. The Capital Improvement Calendar for 2011 – 2016 is part of this document in the appendix section.

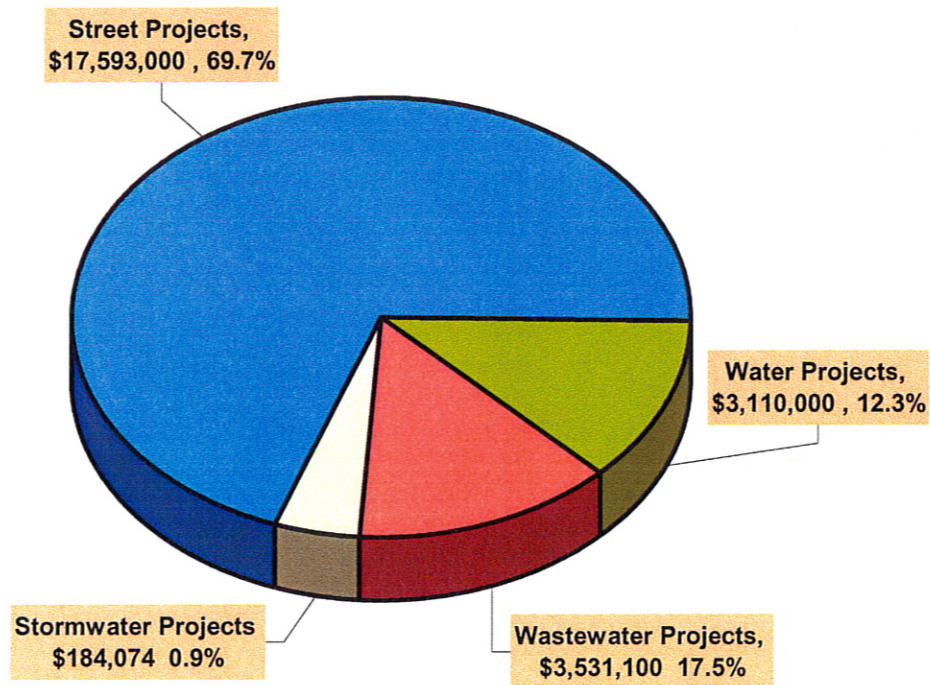


Public Works Department Summary

Capital Improvement Program 2011 - 2016

Departments	Total \$ Project	2011	2012	2013	2014	2015	2016
Street Projects	17,593,000	120,000	300,000	660,000	990,000	3,210,000	12,313,000
Water Projects	3,110,000	290,000	1,220,000		800,000	800,000	
Wastewater Projects	3,400,000	180,000	230,000	250,000	300,000	770,000	1,670,000
Stormwater Projects	1,120,000		90,000	55,000	550,000	5,000	420,000
TOTAL Project COSTS	\$25,223,000	\$590,000	\$1,840,000	\$965,000	\$2,640,000	\$4,785,000	\$14,403,000

Public Works CIP by Department
Total: \$25,223,000





Black Diamond Real Estate Excise Tax Approved Uses

REET I	REET II
Public Buildings and other capital projects – Improvements, planning and major maintenance	Streets, Parks and Utilities Infrastructure Improvements, planning and major maintenance
Acquisition of buildings and open space	Not Allowed: land purchases for Parks Acquisition
Less Restrictive	More Restrictive
Must be included in the City's Capital Improvement Plan	Must be included in the City's Capital Improvement Plan

REET I – First .25% Real Estate Excise Tax

To fund capital projects with REET I monies the project must be listed in the Capital Facilities Plan element of the City's Comprehensive Plan.

"Capital projects" are defined as: those public works projects of a local government for planning, acquisition, construction, reconstruction, repair, replacement, rehabilitation, or improvement of streets; roads; highways; sidewalks; street and road lighting systems; traffic signals; bridges; domestic water systems; storm and sanitary sewer systems; parks; recreational facilities; law enforcement facilities; fire protection facilities; trails; libraries; administrative and judicial facilities...."

Planning for projects such as design costs are approved for this funding. Maintenance costs can be included if it is considered major maintenance, for example, a new roof for a city building.

REET II - Second .25% Real Estate Excise Tax

To fund capital projects with REET II monies the project must be listed in the Capital Facilities Plan element of the City's Comprehensive Plan.

REET II monies are more restrictive and are limited to the construction and maintenance of streets, parks, and utilities infrastructure. (police, fire, judicial and administration capital are excluded from this funding)

REET II funded projects must be of a public works nature for planning, acquisition, construction, reconstruction, repair, replacement, rehabilitation, or improvement of streets, roads, highways, sidewalks, street and road lighting systems, traffic signals, bridges, domestic water systems, storm and sanitary sewer systems, and planning, construction, reconstruction, repair, rehabilitation, or improvement of parks.

The acquisition of land for parks is not a permitted use of REET II receipts, although it is a permitted use for street, water and sewer projects.



REET II ANALYSIS SUMMARY

Capital Improvement Program 2011 - 2016

Key to Projects in the CIP:
 A= Administration
 T = Street
 S = Wastewater
 D = Stormwater
 W = Water

Real Estate Excise Tax Analysis

REET II - REVENUE ANALYSIS

	Info Only	2011-2016 Summary Total	2011	2012	2013	2014	2015	2016
Beginning Fund Balance	819,237		535,537	376,537	208,037	331,037	211,037	216,037
1/4 of 1% REET	30,000		30,000	50,000	200,000	250,000	250,000	250,000
Interest	9,800		1,000	1,500	3,000	5,000	5,000	5,000
Carryover Beginning Fund Balance								
Transfer out to Gen Fund Capital Projects			(70,000)	(80,000)				
Available Balance	859,037		496,537	348,037	411,037	586,037	466,037	471,037
REET II Projects								
Street Projects								
T2 Lawson St and Newcastle inter. Repair		80,000	80,000					
T3 Jones Lk. Road Regrading and Paving		30,000				30,000		
T4 Roberts Drive Sidewalk link to Morgan St		150,000					120,000	30,000
T5 SE 288th Street Overlay		70,000		70,000				
T7 Roberts Drive Reconstruction		205,000				155,000	50,000	
T8 Pacific Street Neighborhood Improvements		100,000				70,000	30,000	
T9 Intersection Improvements in Morganville		100,000			40,000	60,000		
T10 Grant Matching Fund		270,000	40,000	40,000	40,000	50,000	50,000	50,000
Impact Fee Study	80,000							
Railroad Ave Project	162,100							
Morgan Street Sidewalk Ext	46,400							
232nd Ave SE Repair and Overlay	35,000							
Subtotal		1,005,000	120,000	110,000	80,000	365,000	250,000	80,000
Stormwater Projects								
D3 Public Works Yard Improvements		20,000				10,000		10,000
D5 Lake Sawyer Road Culvert and Guardrail		30,000		30,000				
Subtotal		50,000		30,000		10,000		10,000
Total REET II Projects	323,500	1,055,000	120,000	140,000	80,000	375,000	250,000	90,000
Ending Fund Balance	535,537		376,537	208,037	331,037	211,037	216,037	381,037

REET monies based on Houses sold at \$

* 80 @250K 266 @300K 285 @350K 285 @350K 285 @350K

* May also include commercial development, land sales or resale of property



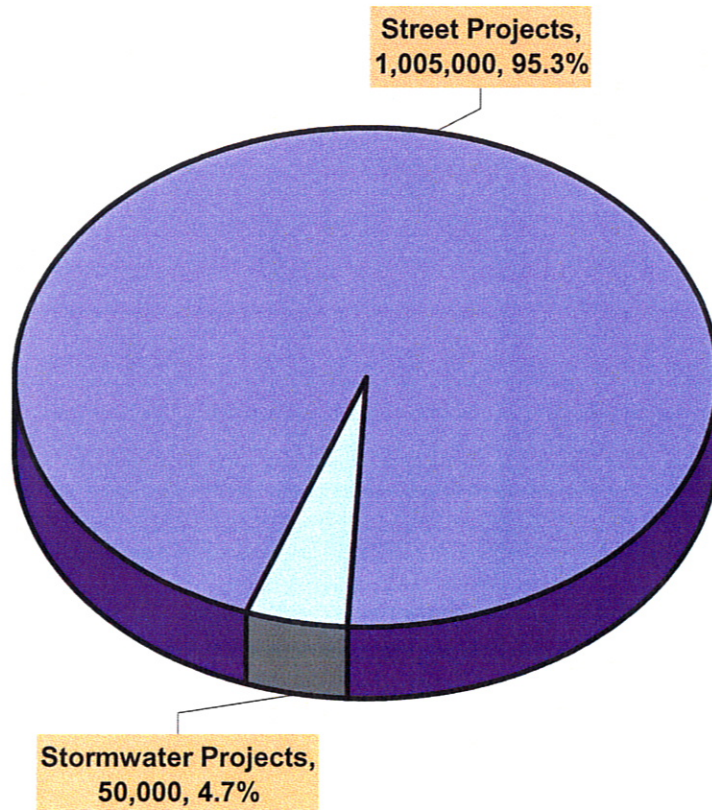
Public Works REET II Summary

Capital Improvement Program 2011 - 2016

REET II

<i>Requested Funding</i>	Total \$ Requested	2011	2012	2013	2014	2015	2016
Street Projects	1,005,000	120,000	110,000	80,000	365,000	250,000	80,000
Stormwater Projects	50,000		30,000		10,000		10,000
TOTAL COSTS	\$1,055,000	\$120,000	\$140,000	\$80,000	\$375,000	\$250,000	\$90,000

Total: \$1,055,000





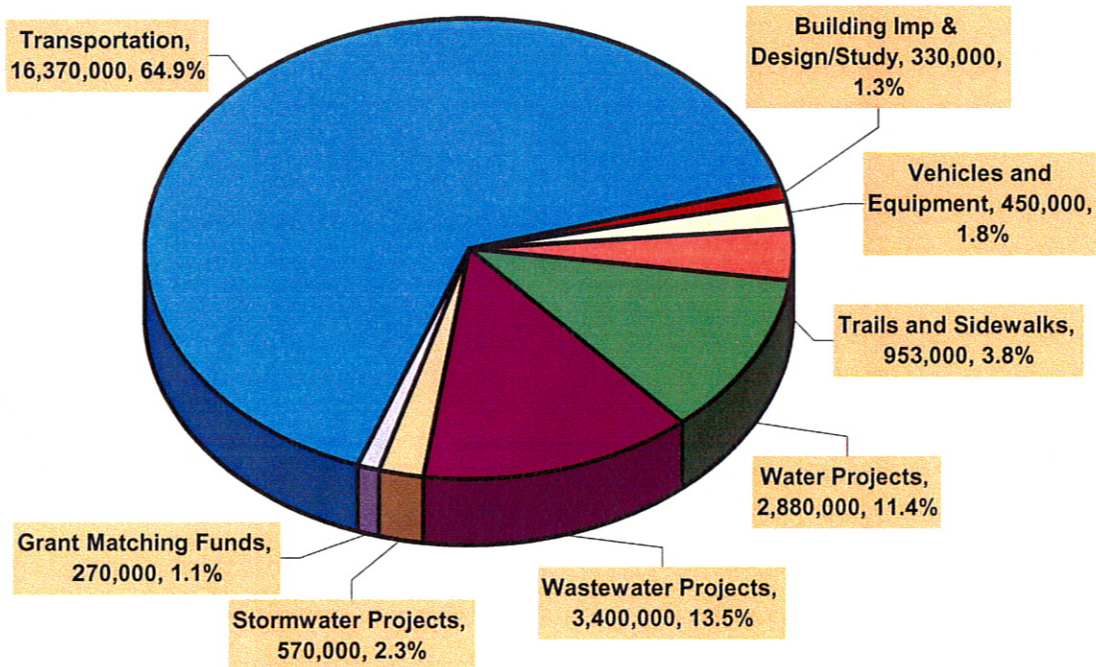
Public Works Summary

Capital Improvement Program 2011 - 2016

EXPENSES

CAPITAL PROJECTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Transportation	16,370,000	80,000	260,000	620,000	940,000	3,040,000	11,430,000
Building Imp & Design/Study	330,000	10,000	40,000	5,000	100,000	5,000	170,000
Vehicles and Equipment	450,000	100,000	100,000				250,000
Trails and Sidewalks	953,000					120,000	833,000
Water Projects	2,880,000	180,000	1,100,000		800,000	800,000	
Wastewater Projects	3,400,000	180,000	230,000	250,000	300,000	770,000	1,670,000
Stormwater Projects	570,000		70,000	50,000	450,000		
Grant Matching Funds	270,000	40,000	40,000	40,000	50,000	50,000	50,000
TOTAL COSTS	\$25,223,000	\$590,000	\$1,840,000	\$965,000	\$2,640,000	\$4,785,000	\$14,403,000

Public Works Projects Summary: \$25,223,000





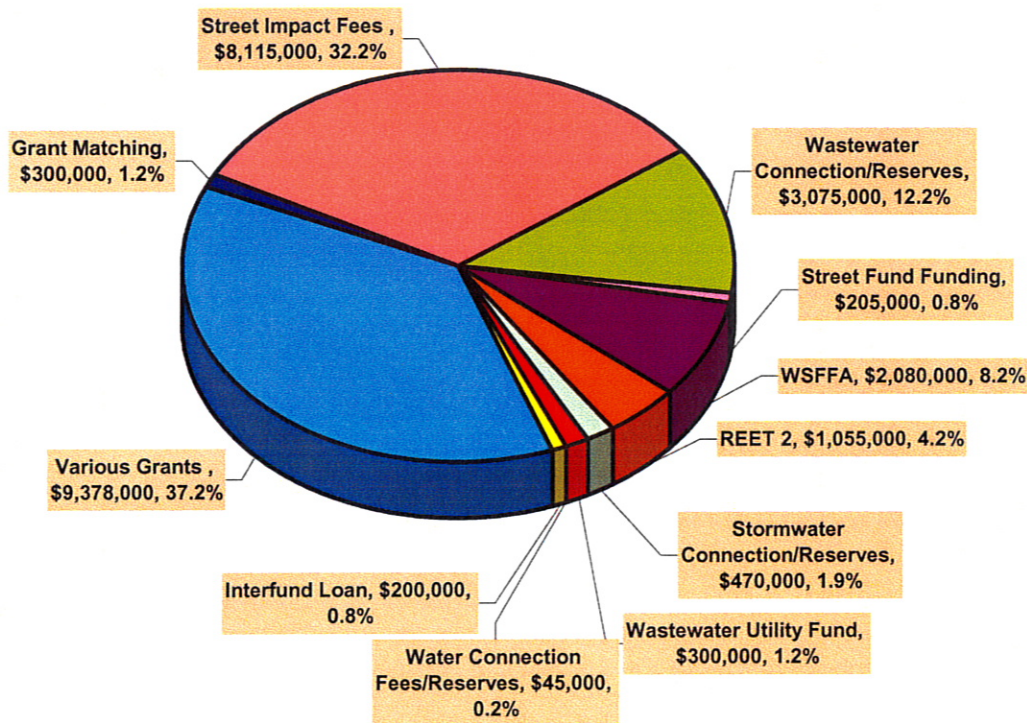
CIP Public Works Revenue Summary

Capital Improvement Program 2011 - 2016

REQUESTED FUNDING

	Total \$ Project	2011	2012	2013	2014	2015	2016
Various Grants	9,378,000		180,000		435,000	1,160,000	7,603,000
Street Impact Fees	8,115,000			450,000	1,420,000	1,745,000	4,500,000
Wastewater Connection/Reserves	3,075,000	182,500	185,000	200,000	260,000	695,000	1,552,500
WSFFA	2,080,000	180,000	1,100,000			800,000	
REET 2	1,055,000	120,000	140,000	80,000	375,000	250,000	90,000
Stormwater Connection/Reserves	470,000	2,500	45,000	55,000	15,000	5,000	347,500
Wastewater Utility Fund	300,000		50,000	50,000	50,000	75,000	75,000
Grant Matching	300,000			100,000			200,000
Street Fund Funding	205,000	2,500	35,000	30,000	75,000	30,000	32,500
Interfund Loan	200,000	100,000	100,000				
Water Connection Fees/Reserves	45,000	2,500	5,000		10,000	25,000	2,500
TOTAL SOURCES	\$25,223,000	\$590,000	\$1,840,000	\$965,000	\$2,640,000	\$4,785,000	\$14,403,000

Public Works CIP by Type of Funding Total: \$25,223,000



Non Capital Operating Costs

	Total \$ Requested	2011	2012	2013	2014	2015	2016
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	200,000	40,000	40,000	40,000	40,000	40,000	
Total Operating Public Works	350,000	60,000	60,000	60,000	70,000	70,000	30,000

CIP Public Works Summary

Capital Improvement Program 2011 - 2016

Sources	Total \$ Project	2011	2012	2013	2014	2015	2016
1 Grants	9,378,000		180,000		435,000	1,160,000	7,603,000
2 Street Impact, SEPA, Developer Funded	8,115,000			450,000	1,420,000	1,745,000	4,500,000
3 Wastewater Connection Fees/Reserves	3,075,000	182,500	185,000	200,000	260,000	695,000	1,552,500
4 WSSFA	2,080,000	180,000	1,100,000			800,000	
5 Real Estate Excise Taxes II	1,055,000	120,000	140,000	80,000	375,000	250,000	90,000
6 Stormwater Reserves	470,000	2,500	45,000	55,000	15,000	5,000	347,500
7 Wastewater Utility Funding	300,000		50,000	50,000	50,000	75,000	75,000
8 Grant Matching	300,000			100,000			200,000
9 Street Fund	205,000	2,500	35,000	30,000	75,000	30,000	32,500
10 Interfund Loan	200,000	100,000	100,000				
11 Water Connection Fees/Reserves	45,000	2,500	5,000		10,000	25,000	2,500
Total Public Works Capital Funding	25,223,000	590,000	1,840,000	965,000	2,640,000	4,785,000	14,403,000

Uses	Total \$ Project	2011	2012	2013	2014	2015	2016
T1 General Street Improvement	150,000		30,000	30,000	30,000	30,000	30,000
T2 Lawson Street & Newcastle Dr Intersection Repair	80,000	80,000					
T3 Jones Lk. Road Regrading and Paving	160,000				160,000		
T4 Roberts Drive Sidewalk link to Morgan St	953,000					120,000	833,000
T5 SE 288th Street Overlay	230,000		230,000				
T6 SR-169 Widening Lawson & Baker St Intersection	1,550,000					350,000	1,200,000
T7 Roberts Drive Reconstruction	5,650,000			100,000	200,000	350,000	5,000,000
T8 Pacific Street Neighborhood Improvements	520,000				70,000	450,000	
T9 Intersection Improvements in Morganville	100,000			40,000	60,000		
T10 Grant Matching Fund	270,000	40,000	40,000	40,000	50,000	50,000	50,000
T11 SR 169 Gateway Corridor Improvement	5,700,000				200,000	300,000	5,200,000
T12 Roberts Drive/State Rt 169 Roundabout	2,230,000			450,000	220,000	1,560,000	
W1 Springs Transmission Main Replacement Phase 1	800,000					800,000	
W2 Springs Transmission Main Replacement Phase 2	1,280,000	180,000	1,100,000				
W3 Meter Replacement Program	200,000	100,000	100,000				
W4 Fire Flow Loop to N. Commerical Area	800,000				800,000		
W5 Public Works Facilities Design/Eng	30,000	10,000	20,000				
S1 Infiltration and Inflow Reduction Program	1,750,000	100,000	150,000	250,000	250,000	500,000	500,000
S2 Replace Old Lawson Lift Station	50,000	50,000					
S3 Cedarbrook Sewer Main	90,000						90,000
S4 West Black Diamond Wastewater Lift Station	400,000				50,000	250,000	100,000
S5 Morganville Wastewater Lift Station Improvement	110,000	30,000	80,000				
S6 Morganville Force Main Reroute	1,000,000					20,000	980,000
S7 South Black Diamond Wastewater Trunk Extension	0						
D1 Street Sweeper	250,000						250,000
D2 Rock Creek Wetland/Lake Sawyer Basin Study	185,000		20,000	5,000	5,000	5,000	150,000
D3 Public Works Yard Improvements	115,000				95,000		20,000
D4 Ginder Creek Stormwater Treatment Pond	250,000			50,000	200,000		
D5 Lake Sawyer Road Culvert and Guardrail	320,000		70,000		250,000		
Total Uses Public Works Projects	25,223,000	590,000	1,840,000	965,000	2,640,000	4,785,000	14,403,000

Project Breakdown by Type of Funding

Total \$
Project

2011

2012

2013

2014

2015

2016

Grants

T3 Jones Lk. Road Regrading and Paving	130,000				130,000		
T4 Roberts Drive Sidewalk link to Morgan St	803,000						803,000
T5 SE 288th Street Overlay	160,000		160,000				
T7 Roberts Drive Reconstruction	4,150,000						4,150,000
T11 SR 169 Gateway Corridor Improvement	2,500,000						2,500,000
T12 Roberts Drive/State Rt 169 Roundabout	1,160,000				1,160,000		
D2 Rock Creek Wetland/Lake Sawyer Basin Study	170,000		20,000				150,000
D3 Public Works Yard Improvements	55,000				55,000		
D5 Lake Sawyer Road Culvert and Guardrail	250,000				250,000		
Total Grants	9,378,000		180,000		435,000	1,160,000	7,603,000

Street Impact, SEPA, Developer

D4 Ginder Creek Stormwater Treatment Pond	200,000				200,000		
T6 SR-169 Widening Lawson & Baker St Intersection	1,550,000					350,000	1,200,000
T7 Roberts Drive Reconstruction	900,000					300,000	600,000
T8 Pacific Street Neighborhood Improvements	395,000					395,000	
T11 SR 169 Gateway Corridor Improvement	3,200,000				200,000	300,000	2,700,000
T12 Roberts Drive/State Rt 169 Roundabout	1,070,000			450,000	220,000	400,000	
W4 Fire Flow Loop to N. Commerical Area	800,000				800,000		
Total Street Impact or SEPA Fees	8,115,000			450,000	1,420,000	1,745,000	4,500,000

Wastewater Connection Fees/Reserves

D3 Public Works Yard Improvements	12,500				10,000		2,500
S1 Infiltration and Inflow Reduction Program	1,450,000	100,000	100,000	200,000	200,000	425,000	425,000
S2 Replace Old Lawson Lift Station	50,000	50,000					
S3 Preserving Wastewater Treatment Plant for Future I	45,000						45,000
S4 West Black Diamond Wastewater Lift Station	400,000				50,000	250,000	100,000
S5 Morganville Wastewater Lift Station Improvement	110,000	30,000	80,000				
S6 Morganville Force Main Reroute	1,000,000					20,000	980,000
W5 Public Works Facilities Design/Eng	7,500	2,500	5,000				
Total Wastewater Connection Fees/Reserves	3,075,000	182,500	185,000	200,000	260,000	695,000	1,552,500

WSFFA

W1 Springs Transmission Main Replacement Phase 1	800,000					800,000	
W2 Springs Transmission Main Replacement Phase 2	1,280,000	180,000	1,100,000				
Total WSFFA	2,080,000	180,000	1,100,000			800,000	

REET 2 Funding

T2 Lawson St and Newcastle inter. Repair	80,000	80,000					
T3 Jones Lk. Road Regrading and Paving	30,000				30,000		
T4 Roberts Drive Sidewalk link to Morgan St	150,000					120,000	30,000
T5 SE 288th Street Overlay	70,000		70,000				

Project Breakdown by Types of Funding		Total \$ Project	2011	2012	2013	2014	2015	2016
REET 2 Funding, cont.								
T7 Roberts Drive Reconstruction	205,000					155,000	50,000	
T8 Pacific Street Neighborhood Improvements	100,000					70,000	30,000	
T9 Intersection Improvements in Morganville	100,000				40,000	60,000		
T10 Grant Matching Fund	270,000	40,000	40,000	40,000	50,000	50,000	50,000	
D3 Public Works Yard Improvements	20,000					10,000		10,000
D5 Lake Sawyer Road Culvert and Guardrail	30,000			30,000				
Total REET 2 Funding	1,055,000	120,000	140,000	80,000	375,000	250,000	90,000	
Stormwater Connection Fees/Reserves								
W5 Public Works Facilities Design/Eng	7,500	2,500	5,000					
S3 Cedarbrook Sewer Main	45,000							45,000
D1 Street Sweeper	250,000							250,000
D2 Rock Creek Wetland/Lake Sawyer Basin Study	15,000			5,000	5,000	5,000		
D3 Public Works Yard Improvements	12,500				10,000			2,500
D4 Ginder Creek Stormwater Treatment Pond	50,000			50,000				
D5 Lake Sawyer Road Culvert and Guardrail	40,000		40,000					
T7 Roberts Drive Reconstruction	50,000							50,000
Total Stormwater Connection Fees/Reserves	470,000	2,500	45,000	55,000	15,000	5,000	347,500	
Wastewater Utility Funding								
S1 Infiltration and Inflow Reduction Program	300,000		50,000	50,000	50,000	75,000	75,000	
Total Wastewater Utility Funding	300,000		50,000	50,000	50,000	75,000	75,000	
Grant Matching								
T7 Roberts Drive Reconstruction	300,000			100,000				200,000
Total Grant Matching	300,000			100,000				200,000
Street Fund								
D3 Public Works Yard Improvements	2,500							2,500
W5 Public Works Facilities Design/Eng	7,500	2,500	5,000					
T1 General Street Improvement	150,000		30,000	30,000	30,000	30,000	30,000	
T7 Roberts Drive Reconstruction	45,000				45,000			
Total Street Fund Funding	205,000	2,500	35,000	30,000	75,000	30,000	32,500	
Interfund Loan								
W3 Meter Replacement Program	200,000	100,000	100,000					
Total Interfund Loan	200,000	100,000	100,000					
Water Connection Fees/Reserves								
W5 Public Works Facilities Design/Eng	7,500	2,500	5,000					
T8 Pacific Street Neighborhood Improvements	25,000						25,000	
D3 Public Works Yard Improvements	12,500				10,000			2,500
Total Water Connection Fees/Reserves	45,000	2,500	5,000		10,000	25,000	2,500	
Total Public Works Funding	25,223,000	590,000	1,840,000	965,000	2,640,000	4,785,000	14,403,000	

Street Department



Street Department (Transportation Projects)

Capital Improvement Program 2011 - 2016

Expenditure Summary by Project

Project Name	Total \$ Requested	2011	2012	2013	2014	2015	2016
T1 General Street Improvement	150,000		30,000	30,000	30,000	30,000	30,000
T2 Lawson Street & Newcastle Dr Intersection Repair	80,000	80,000					
T3 Jones Lk. Road Regrading and Paving	160,000				160,000		
T4 Roberts Drive Sidewalk link to Morgan St	953,000					120,000	833,000
T5 SE 288th Street Overlay	230,000		230,000				
T6 SR-169 Widening Lawson & Baker St Intersection	1,550,000					350,000	1,200,000
T7 Roberts Drive Reconstruction	5,650,000			100,000	200,000	350,000	5,000,000
T8 Pacific Street Neighborhood Improvements	520,000				70,000	450,000	
T9 Intersection Improvements in Morganville	100,000			40,000	60,000		
T10 Grant Matching Fund	270,000	40,000	40,000	40,000	50,000	50,000	50,000
T11 SR 169 Gateway Corridor Improvement	5,700,000				200,000	300,000	5,200,000
T12 Roberts Drive/State Rt 169 Roundabout	2,230,000			450,000	220,000	1,560,000	
TOTAL EXPENDITURES	17,593,000	120,000	300,000	660,000	990,000	3,210,000	12,313,000

Funding Sources

	Total \$ Project	2011	2012	2013	2014	2015	2016
Transportation Improvement Board Grants							
T3 Jones Lk. Road Regrading and Paving	130,000				130,000		
T4 Roberts Drive Sidewalk link to Morgan St	803,000						803,000
T5 SE 288th Street Overlay	160,000		160,000				
T7 Roberts Drive Reconstruction	4,150,000						4,150,000
T11 SR 169 Gateway Corridor Improvement	2,500,000						2,500,000
T12 Roberts Drive/State Rt 169 Roundabout	1,160,000					1,160,000	
Total TIB Grants	8,903,000		160,000		130,000	1,160,000	7,453,000
Water Connection Fees/Reserves							
T8 Pacific Street Neighborhood Improvements	25,000					25,000	
Total Stormwater Connection/Reserves Funding	25,000					25,000	
Stormwater Connection Fees/Reserves							
T7 Roberts Drive Reconstruction	50,000						50,000
Total Stormwater Connection/Reserves Funding	50,000						50,000
Street Fund Funding							
T1 General Street Improvement	150,000		30,000	30,000	30,000	30,000	30,000
T7 Roberts Drive Reconstruction	45,000				45,000		
Total Street Fund Funding	195,000		30,000	30,000	75,000	30,000	30,000
Developer Funded/Impact Fees/SEPA							
T6 SR-169 Widening Lawson & Baker St Intersection	1,550,000					350,000	1,200,000
T7 Roberts Drive Reconstruction	900,000					300,000	600,000
T8 Pacific Street Neighborhood Improvements	395,000					395,000	
T11 SR 169 Gateway Corridor Improvement	3,200,000				200,000	300,000	2,700,000
T12 Roberts Drive/State Rt 169 Roundabout	1,070,000			450,000	220,000	400,000	
Total Developer/Impact/SEPA Funding	7,115,000			450,000	420,000	1,745,000	4,500,000
Real Estate Excise Tax II Funding							
T2 Lawson Street & Newcastle Dr Intersection Repair	80,000	80,000					
T3 Jones Lk. Road Regrading and Paving	30,000				30,000		
T4 Roberts Drive Sidewalk link to Morgan St	150,000					120,000	30,000
T5 SE 288th Street Overlay	70,000		70,000				
T7 Roberts Drive Reconstruction	205,000				155,000	50,000	
T8 Pacific Street Neighborhood Improvements	100,000				70,000	30,000	
T9 Intersection Improvements in Morganville	100,000			40,000	60,000		
T10 Grant Matching Fund	270,000	40,000	40,000	40,000	50,000	50,000	50,000
Total REET 2 Funding	1,005,000	120,000	110,000	80,000	365,000	250,000	80,000
Grant Matching Fund							
T7 Roberts Drive Reconstruction	300,000			100,000			200,000
Total Grant Matching Fund	300,000			100,000			200,000
Total Street Projects	17,593,000	120,000	300,000	660,000	990,000	3,210,000	12,313,000



Capital Improvement Program 2011 - 2016

Project for the	Street	Department	# T1
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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 typically do not require engineering.

COMMENTS

The 2010 allocation is being reduced to allow staff to catch up with beginning fund balance roll over.

	Total \$ Requested	2011	2012	2013	2014	2015	2016
CAPITAL PROJECT COSTS							
Land/Right of Way							
Building Improvements							
Preliminary Engineering							
Construction Engineering							
Design Engineering							
Construction Costs	150,000		30,000	30,000	30,000	30,000	30,000
Capital Outlay							
Contingency							
TOTAL COSTS	150,000		\$30,000	\$30,000	\$30,000	\$30,000	\$30,000
REQUESTED FUNDING							
Grants							
Water Connection/Reserves							
Wastewater Connection/Reserves							
Stormwater Connection/Reserves							
Street Funds	150,000		30,000	30,000	30,000	30,000	30,000
Developer/Impact Fees/SEPA							
Real Estate Excise Tax I							
Real Estate Excise Tax II							
PW Trust Fund Loan							
BFB Carryover							
TOTAL SOURCES	\$150,000		\$30,000	\$30,000	\$30,000	\$30,000	\$30,000
NON CAPITAL OPERATING COSTS							
Salaries, Benefits and Other							
Debt Repayment							
TOTAL OPERATING							



Capital Improvement Program 2011 - 2016

Project for the	Street	Department	# T2
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PROJECT TITLE Lawson Street & Newcastle Dr Intersection Repair

DESCRIPTION Repair the subgrade and overlay existing intersection.

BACKGROUND The shoulders of the road have sunk and some roadway patches have failed. The road base needs to be established in several locations and portions of the road reconstructed. Investigation in 2009 showed that complete intersection improvement will be approximately 80,000.

COMMENTS Additional funds are needed.

CAPITAL PROJECT COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way							
Building Improvements							
Preliminary Engineering							
Construction Engineering							
Design Engineering							
Construction Costs	80,000	80,000					
Capital Outlay							
Other (Specify)							
TOTAL COSTS	80,000	\$80,000					
REQUESTED FUNDING	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants							
Water Connection/Reserves							
Wastewater Connection/Reserves							
Stormwater Connection/Reserves							
Street Funds							
Developer/Impact Fees/SEPA							
Real Estate Excise Tax I							
Real Estate Excise Tax II	80,000	80,000					
TOTAL SOURCES	\$80,000	\$80,000					
NON CAPITAL OPERATING COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Salaries, Benefits and Other							
Other (specify)							
TOTAL OPERATING							



Capital Improvement Program 2011 - 2016

Project for the	Street	Department	# T3
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PROJECT TITLE Jones Lk. Road Regrading and Paving

DESCRIPTION

The existing asphalt is deteriorating and must be replaced soon. The existing asphalt must be ground up and the road regraded.

BACKGROUND

The design, specifications and bid documents have been completed with the RR Ave project. The intersection improvements at SR 169 will be accomplished by the Lawson Hills Developer when needed.

COMMENTS

If grant funding is received, this project will be moved up in priority. Grant funding may be difficult as the existing pavement cannot be overlayed so it will not qualify as a preservation project. Typical TIB project require full level improvements including sidewalk curb and gutter.

CAPITAL PROJECT COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way							
Building Improvements							
Preliminary Engineering							
Construction Engineering	10,000				10,000		
Design Engineering							
Construction Costs	150,000				150,000		
Capital Outlay							
Other (Specify)							
TOTAL COSTS	160,000				\$160,000		
REQUESTED FUNDING	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants	130,000				130,000		
Water Connection/Reserves							
Wastewater Connection/Reserves							
Stormwater Connection/Reserves							
Street Funds							
Developer/Impact Fees/SEPA							
Real Estate Excise Tax I							
Real Estate Excise Tax II	30,000				30,000		
TOTAL SOURCES	160,000				\$160,000		
NON CAPITAL OPERATING COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Salaries, Benefits and Other							
Debt Repayment							
TOTAL OPERATING							



Capital Improvement Program 2011 - 2016

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

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

This project is part of fulfilling a portion of the comprehensive pedestrian plan.

COMMENTS

This project was revised from a longer trail/sidewalk project to a 1/2 street improvement project as it is difficult to install a stand alone sidewalk with limited right of way. The length of the project was also reduced to closer fit the amount of money that is available for sidewalk projects. The strategy here was to complete the engineering and permitting with city funds to attract grant funding with a "shovel ready" project. However, this project could be delayed.

CAPITAL PROJECT COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way	20,000					20,000	
Building Improvements							
Preliminary Engineering							
Construction Engineering							
Design Engineering	175,000					100,000	75,000
Construction Costs	758,000						758,000
Capital Outlay							
Other (Specify)							
TOTAL COSTS	\$953,000					\$120,000	\$833,000
REQUESTED FUNDING	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants	803,000						803,000
Water Connection/Reserves							
Wastewater Connection/Reserves							
Stormwater Connection/Reserves							
Street Funds							
Developer/Impact Fees/SEPA							
Real Estate Excise Tax I							
Real Estate Excise Tax II	150,000					120,000	30,000
TOTAL SOURCES	\$953,000					\$120,000	\$833,000
NON CAPITAL OPERATING COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Salaries, Benefits and Other							
Other (specify)							
TOTAL OPERATING							



Capital Improvement Program 2011 - 2016

Project for the	Street	Department	# T5
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PROJECT TITLE SE 288th Street Overlay

DESCRIPTION Patch and overlay the existing roadway from 236th Ave SE to 216th Ave SE.

BACKGROUND The City will not be able to take advantage of the TIB grant program once the City grows over 5,000 in population. This project suggests leveraging more than \$100,000.

COMMENTS Preparatory patching will be needed before overlay. Delaying the project one year.

CAPITAL PROJECT COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way							
Building Improvements							
Preliminary Engineering							
Construction Engineering	10,000		10,000				
Design Engineering							
Construction Costs	220,000		220,000				
Capital Outlay							
Other (Specify)							
TOTAL COSTS	\$230,000		\$230,000				
REQUESTED FUNDING	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants TIB	160,000		160,000				
Water Connection/Reserves							
Wastewater Connection/Reserves							
Stormwater Connection/Reserves							
Street Funds							
Developer/Impact Fees/SEPA							
Real Estate Excise Tax I							
Real Estate Excise Tax II	70,000		70,000				
TOTAL SOURCES	\$230,000		\$230,000				
NON CAPITAL OPERATING COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Salaries, Benefits and Other							
Debt Repayment							
TOTAL OPERATING							



Capital Improvement Program 2011 - 2016

Project for the	Street	Department	# T6
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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.

BACKGROUND

This is a capacity adding project funded through the State Environmental Policy Act and potentially Traffic Impact Fees

COMMENTS

CAPITAL PROJECT COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way	200,000					200,000	
Building Improvements							
Preliminary Engineering							
Construction Engineering							
Design Engineering	150,000					150,000	
Construction Costs	1,200,000						1,200,000
Capital Outlay							
Other (Specify)							
TOTAL COSTS	\$1,550,000					\$350,000	\$1,200,000
REQUESTED FUNDING	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants TIB							
Water Connection/Reserves							
Wastewater Connection/Reserves							
Stormwater Connection/Reserves							
Street Funds							
Developer/Impact Fees/SEPA	1,550,000					350,000	1,200,000
Real Estate Excise Tax I							
Real Estate Excise Tax II							
TOTAL SOURCES	\$1,550,000					\$350,000	\$1,200,000
NON CAPITAL OPERATING COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Salaries, Benefits and Other							
Debt Repayment							
TOTAL OPERATING							



Capital Improvement Program 2011 - 2016

Project for the	Street	Department	# T7
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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 determine where the north south connector will be located, settle on a road section, resolve the stormwater solutions, process through NEPA and SEPA, resolve the concrete panel fix, so the project can be prepared for grant funding. This project is being delayed for two years to assist with REET cash flow.

CAPITAL PROJECT COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way	200,000				200,000		
Building Improvements							
Preliminary Engineering	100,000			100,000			
Construction Engineering	50,000						50,000
Design Engineering	350,000					350,000	
Construction Costs	4,950,000						4,950,000
Capital Outlay							
Other (Specify)							
TOTAL COSTS	\$5,650,000			\$100,000	\$200,000	\$350,000	\$5,000,000
REQUESTED FUNDING	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants	4,150,000						4,150,000
Water Connection/Reserves							
Wastewater Connection/Reserves							
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 I							
Real Estate Excise Tax II	205,000				155,000	50,000	
Other							
Grant Matching Funds	300,000			100,000			200,000
TOTAL SOURCES	\$5,650,000			\$100,000	\$200,000	\$350,000	\$5,000,000
NON CAPITAL OPERATING COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Salaries, Benefits and Maint.	30,000				10,000	10,000	10,000
Loan Payment REET2 (.05 int)							
TOTAL OPERATING	30,000				10,000	10,000	10,000



Capital Improvement Program 2011 - 2016

Project for the	Street	Department	# T8
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PROJECT TITLE Pacific Street Neighborhood Improvements

DESCRIPTION	Widen and pave existing gravel roads. Install storm drainage improvements.
BACKGROUND	Gravel road requires 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 PROJECT COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way							
Building Improvements							
Preliminary Engineering							
Construction Engineering							
Design Engineering	70,000				70,000		
Construction Costs	450,000					450,000	
Capital Outlay							
Other (Specify)							
TOTAL COSTS	520,000				\$70,000	\$450,000	
REQUESTED FUNDING	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants (CDBG)							
Water Connection/Reserves	25,000					25,000	
Wastewater Connection/Reserves							
Stormwater Connection/Reserves							
Street Funds							
Developer/Impact Fees/SEPA	395,000					395,000	
Real Estate Excise Tax I							
Real Estate Excise Tax II	100,000				70,000	30,000	
TOTAL SOURCES	\$520,000				\$70,000	\$450,000	
NON CAPITAL OPERATING COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Salaries, Benefits and Other							
Other (specify)							
TOTAL OPERATING							



Capital Improvement Program 2011 - 2016

Project for the	Street	Department	# T9
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PROJECT TITLE Intersection Improvements in Morganville

DESCRIPTION	Design roadway intersections , determine right-of-way needs.
BACKGROUND	There is inadequate right-of-way and the corners are too sharp at the intersections in this neighborhood. The trucks and long wheel base vehicles cut the corner and cause damage to the roadway and occasionally damage private property.
COMMENTS	Preliminary efforts include design and acquiring the right-of-way with construction in 2014.

CAPITAL PROJECT COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way	20,000			20,000			
Building Improvements							
Preliminary Engineering							
Construction Engineering							
Design Engineering	20,000			20,000			
Construction Costs	60,000				60,000		
Capital Outlay							
Other (Specify)							
TOTAL COSTS	\$100,000			\$40,000	\$60,000		
REQUESTED FUNDING	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants							
Water Connection/Reserves							
Wastewater Connection/Reserves							
Stormwater Connection/Reserves							
Street Funds							
Developer/Impact Fees/SEPA							
Real Estate Excise Tax I							
Real Estate Excise Tax II	100,000			40,000	60,000		
TOTAL SOURCES	\$100,000			\$40,000	\$60,000		
NON CAPITAL OPERATING COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Salaries, Benefits and Other							
Other (specify)							
TOTAL OPERATING							



Capital Improvement Program 2011 - 2016

Project for the Street Department # T10

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.

CAPITAL PROJECT COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way							
Building Improvements							
Preliminary Engineering							
Construction Engineering							
Design Engineering							
Construction Costs							
Capital Outlay							
Funding to Match Grants	270,000	40,000	40,000	40,000	50,000	50,000	50,000
TOTAL COSTS	\$270,000	\$40,000	\$40,000	\$40,000	\$50,000	\$50,000	\$50,000
REQUESTED FUNDING	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants							
Water Connection/Reserves							
Wastewater Connection/Reserves							
Stormwater Connection/Reserves							
Street Funds							
Developer/Impact Fees/SEPA							
Real Estate Excise Tax I							
Real Estate Excise Tax II	270,000	40,000	40,000	40,000	50,000	50,000	50,000
TOTAL SOURCES	\$270,000	\$40,000	\$40,000	\$40,000	\$50,000	\$50,000	\$50,000
NON CAPITAL OPERATING COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Salaries, Benefits and Other							
Debt Repayment							
TOTAL OPERATING							



Capital Improvement Program 2011 - 2016

Project for the	Street	Department	# T11
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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 PROJECT COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way	100,000				100,000		
Building Improvements							
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
Capital Outlay							
Other (Specify)							
TOTAL COSTS	5,700,000				\$200,000	\$300,000	\$5,200,000
REQUESTED FUNDING	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants	2,500,000						2,500,000
Water Connection/Reserves							
Wastewater Connection/Reserves							
Stormwater Connection/Reserves							
Street Funds							
Funding partners	3,200,000				200,000	300,000	2,700,000
Real Estate Excise Tax I							
Real Estate Excise Tax II							
TOTAL SOURCES	5,700,000				\$200,000	\$300,000	\$5,200,000
NON CAPITAL OPERATING COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Salaries, Benefits and Other							
Debt Repayment							
TOTAL OPERATING							



Capital Improvement Program 2011 - 2016

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

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 intersection on a regional facility.

CAPITAL PROJECT COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way	400,000			400,000			
Building Improvements							
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	
Capital Outlay							
Project Administration	100,000				100,000		
TOTAL COSTS	2,230,000			\$450,000	\$220,000	\$1,560,000	

REQUESTED FUNDING	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants	1,160,000					1,160,000	
Water Connection/Reserves							
Wastewater Connection/Reserves							
Stormwater Connection/Reserves							
Street Funds							
Developer/Impact Fees/SEPA	1,070,000			450,000	220,000	400,000	
Real Estate Excise Tax I							
Real Estate Excise Tax II							
TOTAL SOURCES	2,230,000			\$450,000	\$220,000	\$1,560,000	

NON CAPITAL OPERATING COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Salaries, Benefits and Other							
Debt Repayment							
TOTAL OPERATING							

Water Department



Water Department

Capital Improvement Program 2011 - 2016

Funding Summary by Project

Project Name	Total \$ Requested	2011	2012	2013	2014	2015	2016
W1 Springs Transmission Main Replacement Phase 1	800,000					800,000	
W2 Springs Transmission Main Replacement Phase 2	1,280,000	180,000	1,100,000				
W3 Meter Replacement Program	200,000	100,000	100,000				
W4 Fire Flow Loop to N. Commerical Area	800,000				800,000		
W5 Public Works Facilities Design/Eng	30,000	10,000	20,000				
TOTAL EXPENDITURES	3,110,000	290,000	1,220,000		800,000	800,000	

Funding Sources

	Total \$ Project	2011	2012	2013	2014	2015	2016
Water System and Facilities Funding Agreement (WSFFA)							
W1 Springs Transmission Main Replacement Phase 1	800,000					800,000	
W2 Springs Transmission Main Replacement Phase 2	1,280,000	180,000	1,100,000				
Total WSFFA Funds	2,080,000	180,000	1,100,000			800,000	
Water Connection Fees and Reserves							
W5 Public Works Facilities Design/Eng	7,500	2,500	5,000				
Total Water Connection Fees	7,500	2,500	5,000				
Wastewater Connection Fees and Reserves							
W5 Public Works Facilities Design/Eng	7,500	2,500	5,000				
Total Wastewater Connection Fees	7,500	2,500	5,000				
Stormwater Connection Fees and Reserves							
W5 Public Works Facilities Design/Eng	7,500	2,500	5,000				
Total Wastewater Connection Fees	7,500	2,500	5,000				
Street Fund Funding							
W5 Public Works Facilities Design/Eng	7,500	2,500	5,000				
Total Street Fund Funding	7,500	2,500	5,000				
Developer Funding							
W4 Fire Flow Loop to N. Commerical Area	800,000				800,000		
Total Developer Funding	800,000				800,000		
Interfund Loan							
W3 Meter Replacement Program	200,000	100,000	100,000				
Total Developer Funding	200,000	100,000	100,000				
Total Water Projects	3,110,000	290,000	1,220,000		800,000	800,000	



Capital Improvement Program 2011 - 2016

Project for the **Water** **Department** **# W1**

PROJECT TITLE **Springs Transmission Main Replacement Phase 1**

DESCRIPTION

Replace 9100 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 PROJECT COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way							
Building Improvements							
Preliminary Engineering							
Construction Engineering							
Design Engineering							
Construction Costs	800,000					800,000	
Capital Outlay							
TOTAL COSTS	\$800,000					\$800,000	
REQUESTED FUNDING	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants							
Water Connection Fees/Reserves							
Wastewater Utility Fund							
Stormwater Connect Fees/Res							
Street Funds							
Real Estate Excise Tax II							
Water Syst & Fac. Funding Agrmt.	800,000					800,000	
TOTAL SOURCES	\$800,000					\$800,000	



Capital Improvement Program 2011 - 2016

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

PROJECT TITLE **Springs Transmission Main Replacement Phase 2**

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.

BACKGROUND

Further study is needed to determine the best alternative for piping drinking water from the springs to the North Bank Pump Station.

Includes \$80,000 in legal costs.

CAPITAL PROJECT COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way							
Building Improvements							
Preliminary Engineering							
Construction Engineering	100,000		100,000				
Design Engineering	100,000	100,000					
Construction Costs	1,000,000		1,000,000				
Capital Outlay							
Legal Fees	80,000	80,000					
TOTAL COSTS	\$1,280,000	\$180,000	\$1,100,000				
REQUESTED FUNDING	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants							
Water Connection Fees/Reserves							
Wastewater Utility Fund							
Stormwater Connectin Fees/Res							
Street Funds							
Real Estate Excise Tax II							
Water Syst & Fac. Funding Agrmt.	1,280,000	180,000	1,100,000				
TOTAL SOURCES	\$1,280,000	\$180,000	\$1,100,000				
NON CAPITAL OPERATING COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Salaries and Benefits							
Debt Repayment							
TOTAL OPERATING							



Capital Improvement Program 2011 - 2016

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

PROJECT TITLE **Meter Replacement Program**

DESCRIPTION

Replace approximately 300 meters per year at \$230 per meter. This includes radio read, software, training and appurtenance.

BACKGROUND

The bulk of the meters are about 15 years old and are only guaranteed for 10 years. As meters age they run slower which means lost revenue. City staff will install the new meters.

COMMENTS

This meter replacement program is under contract at 200 meters per year. The second year is when the City is planning to transition to radio read. Some additional funds above the contract level have been allocated for meter box replacement.

CAPITAL PROJECT COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way							
Building Improvements							
Preliminary Engineering							
Construction Engineering							
Design Engineering							
Construction Costs	200,000	100,000	100,000				
Capital Outlay							
Other (Specify)							
TOTAL COSTS	\$255,000	\$100,000	\$100,000				
REQUESTED FUNDING	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants							
Water Connection Fees/Reserves							
Stormwater Connection Fees/Res							
Street Funds							
Real Estate Excise Tax I							
Real Estate Excise Tax II							
Interfund Loan	200,000	100,000	100,000				
TOTAL SOURCES	200,000	\$100,000	\$100,000				
NON CAPITAL OPERATING COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Salaries and Benefits							
Debt for Interfund loan	200,000	40,000	40,000	40,000	40,000	40,000	
TOTAL OPERATING	200,000	40,000	40,000	40,000	40,000	40,000	



Capital Improvement Program 2011 - 2016

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 project is needed to replace asbestos concrete pipe, address flow velocities that exceed 10 ft. per second, strengthen the water line dual feed to the north commercial area.

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	2011	2012	2013	2014	2015	2016
Land/Right of Way							
Building Improvements							
Preliminary Engineering							
Construction Engineering							
Design Engineering							
Construction Costs	800,000				800,000		
Capital Outlay							
Other (Specify)							
TOTAL COSTS	\$800,000				\$800,000		
REQUESTED FUNDING	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants (specify)							
Water Connection Fees/Reserves							
Stormwater Connection Fees/Res							
Street Funds							
Developer Funded							
Real Estate Excise Tax I							
Real Estate Excise Tax II							
Developer Funded	800,000				800,000		
TOTAL SOURCES	\$800,000				\$800,000		
NON CAPITAL OPERATING COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Salaries and Benefits							
Other (specify)							
TOTAL OPERATING							



Capital Improvement Program 2011 - 2016

Project for the **Water** **Department** **# W5**

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 departments are to be divided the decisions will need to be made before too much is invested in the current location. Other long range improvements that will be planned for the future include providing adequate screening for the neighborhood and remodel buildings and additional buildings to house equipment, file storage, showers, locker room, materials storage, and a washdown area. Security will also be reviewed.

BACKGROUND

This design engineering will be done in concert with the city-wide design in the Administration section of the CIP.

COMMENTS

CAPITAL PROJECT COSTS

	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way							
Building Improvements							
Preliminary Engineering	30,000	10,000	20,000				
Construction Engineering							
Design Engineering							
Construction Costs							
Capital Outlay							
Other							
TOTAL COSTS	\$30,000	\$10,000	\$20,000				

REQUESTED FUNDING

	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants							
Water Connection Fees/Reserves	7,500	2,500	5,000				
Wastewater Utility Fund	7,500	2,500	5,000				
Stormwater Utility Fund	7,500	2,500	5,000				
Street Funds	7,500	2,500	5,000				
Connection Fees							
Real Estate Excise Tax II							
Developer Funded							
TOTAL SOURCES	\$30,000	\$10,000	\$20,000				

NON CAPITAL OPERATING COSTS

	Total \$ Requested	2011	2012	2013	2014	2015	2016
Salaries and Benefits							
Debt Repayment							
TOTAL OPERATING							

Wastewater Department



Wastewater Department

Capital Improvement Program 2011 - 2016

Expenditure Summary by Project

Project Name	Total \$ Requested	2011	2012	2013	2014	2015	2016
S1 Infiltration and Inflow Reduction Program	1,750,000	100,000	150,000	250,000	250,000	500,000	500,000
S2 Replace Old Lawson Lift Station	50,000	50,000					
S3 Cedarbrook Sewer Main	90,000						90,000
S4 West Black Diamond Wastewater Lift Station	400,000				50,000	250,000	100,000
S5 Morganville Wastewater Lift Station Improvement	110,000	30,000	80,000				
S6 Morganville Force Main Reroute	1,000,000					20,000	980,000
TOTAL EXPENDITURES	3,400,000	180,000	230,000	250,000	300,000	770,000	1,670,000

Funding Sources

	Total \$ Project	2011	2012	2013	2014	2015	2016
Wastewater Utility Funding							
S1 Infiltration and Inflow Reduction Program	300,000		50,000	50,000	50,000	75,000	75,000
Total Wastewater Utility Funding	300,000		50,000	50,000	50,000	75,000	75,000
Wstewtr Con Fees/Res/New Customers							
S1 Infiltration and Inflow Reduction Program	1,450,000	100,000	100,000	200,000	200,000	425,000	425,000
S2 Replace Old Lawson Lift Station	50,000	50,000					
S3 Preserving Wastewater Treatment Plant for Future Use	45,000						45,000
S4 West Black Diamond Wastewater Lift Station	400,000				50,000	250,000	100,000
S5 Morganville Wastewater Lift Station Improvement	110,000	30,000	80,000				
S6 Morganville Force Main Reroute	1,000,000					20,000	980,000
Total Wstewtr Con Fees/Res/New Customers	3,055,000	150,000	100,000	200,000	250,000	675,000	1,550,000
Stormwater Connection Fees/Res/New Customers							
S3 Cedarbrook Sewer Main	45,000						45,000
	45,000						45,000
Total Wastewater Projects	3,400,000	150,000	150,000	250,000	300,000	750,000	1,670,000

NON CAPITAL OPERATING COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Maintenance Costs Infiltration and Inflow	120,000	20,000	20,000	20,000	20,000	20,000	20,000
TOTAL OPERATING	\$120,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000



Capital Improvement Program 2011 - 2016

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 I & I 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 PROJECT COSTS

	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way							
Building Improvements							
Preliminary Engineering							
Construction Engineering							
Design Engineering	100,000	100,000					
Construction Costs	1,650,000		150,000	250,000	250,000	500,000	500,000
Capital Outlay							
Other (Specify)							
TOTAL COSTS	\$1,750,000	\$100,000	\$150,000	\$250,000	\$250,000	\$500,000	\$500,000

REQUESTED FUNDING

	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants							
Water Connection Fees/Reserves							
Wastewater Utility Fund	300,000		50,000	50,000	50,000	75,000	75,000
Stormwater Conn Fees/Reserves							
Street Funds							
Wstewtr Con Fees/Res/New Customers	1,450,000	100,000	100,000	200,000	200,000	425,000	425,000
Real Estate Excise Tax I							
Real Estate Excise Tax II							
Public Works Trust Fund							
BFB Carryover							
TOTAL SOURCES	\$1,750,000	\$100,000	\$150,000	\$250,000	\$250,000	\$500,000	\$500,000

NON CAPITAL OPERATING COSTS

	Total \$ Requested	2011	2012	2013	2014	2015	2016
Salaries, Benefits, Maintenance	120,000	20,000	20,000	20,000	20,000	20,000	20,000
Debt Repayment							
TOTAL OPERATING	120,000	20,000	20,000	20,000	20,000	20,000	20,000



Capital Improvement Program 2011 - 2016

Project for the

Wastewater Department

S2

PROJECT TITLE

Replace Old Lawson Lift Station

DESCRIPTION

Install a larger wet well, replace septic tank effluent pumps with grinder pumps, new control panel, alarms, and telemetry.

BACKGROUND

This project is primarily to address a high maintenance and high risk of overflow at this wastewater lift station.

CAPITAL PROJECT COSTS

Land/Right of Way

Building Improvements

Preliminary Engineering

Construction Engineering

Design Engineering

Construction Costs

Capital Outlay

Other (Specify)

TOTAL COSTS

Total \$ Requested	2011	2012	2013	2014	2015	2016
50,000	50,000					
\$50,000	\$50,000					

REQUESTED FUNDING

Grants

Water Connection Fees/Reserves

Wastewater Utility Fund

Stormwater Conn Fees/Reserves

Street Funds

Wstewtr Con Fees/Res/New Customers

Real Estate Excise Tax I

Real Estate Excise Tax II

Public Works Trust Fund

Developer Funded

TOTAL SOURCES

Total \$ Project	2011	2012	2013	2014	2015	2016
50,000	50,000					
\$50,000	\$50,000					

NON CAPITAL OPERATING COSTS

Salaries, Benefits and Other

Debt Repayment

TOTAL OPERATING

Total \$ Requested	2011	2012	2013	2014	2015	2016



Capital Improvement Program 2011 - 2016

Project for the

Wastewater Department

S3

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 PROJECT COSTS

	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way	20,000						20,000
Building Improvements							
Preliminary Engineering							
Construction Engineering							
Design Engineering	70,000						70,000
Construction Costs							
Capital Outlay							
Contingency							
TOTAL COSTS	\$90,000						\$90,000

REQUESTED FUNDING

	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants							
Water Connection Fees/Reserves							
Wastewater Utility Fund	45,000						45,000
Stormwater Conn Fees/Reserves							
Street Funds							
Wstewtr Con Fees/Res/New Customers	45,000						45,000
Real Estate Excise Tax I							
Real Estate Excise Tax II							
Public Works Trust Fund Loan							
Developer Funded							
TOTAL SOURCES	\$90,000						\$90,000

NON CAPITAL OPERATING COSTS

	Total \$ Requested	2011	2012	2013	2014	2015	2016
Salaries, Benefits and Other							
Debt payment							
TOTAL OPERATING							



Capital Improvement Program 2011 - 2016

Project for the

Wastewater Department

S4

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 would like to take a lead role in planning, designing, permitting and constructing this facility for the most efficient location and lowest ultimate cost. Timing will need to be coordinated with the Villages Developer. This CIP only shows the design and right-of-way costs. The total project costs are as shown in the sewer comprehensive plan.

CAPITAL PROJECT COSTS

	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way	250,000					250,000	
Building Improvements							
Preliminary Engineering	50,000				50,000		
Construction Engineering							
Design Engineering	100,000						100,000
Construction Costs							
Capital Outlay							
Other (Specify)							
TOTAL COSTS	\$400,000				\$50,000	\$250,000	\$100,000

REQUESTED FUNDING

	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants (specify)							
Water Connection Fees/Reserves							
Wastewater Utility Fund							
Stormwater Conn Fees/Reserves							
Street Funds							
Wstewtr Con Fees/Res/New Customers							
Real Estate Excise Tax I							
Real Estate Excise Tax II							
PW Trust Fund							
Developer Funded	400,000				50,000	250,000	100,000
TOTAL SOURCES	\$400,000				\$50,000	\$250,000	\$100,000

NON CAPITAL OPERATING COSTS

	Total \$ Requested	2011	2012	2013	2014	2015	2016
Salaries, Benefits and Maint.							
Debt Repayment							
TOTAL OPERATING							



Capital Improvement Program 2011 - 2016

Project for the

Wastewater Department

S5

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 PROJECT COSTS

Land/Right of Way
Building Improvements
Preliminary Engineering
Construction Engineering
Design Engineering
Construction Costs
Capital Outlay
Other (Specify)

Total \$ Requested	2011	2012	2013	2014	2015	2016
Design Engineering	30,000	30,000				
Construction Costs	80,000	80,000				
TOTAL COSTS	\$110,000	\$30,000	\$80,000			

REQUESTED FUNDING

Grants
Water Connection Fees/Reserves
Wastewater Utility Fund
Stormwater Conn Fees/Reserves
Street Funds
Wstewtr Con Fees/Res/New Customers
Real Estate Excise Tax I
Real Estate Excise Tax II
PW Trust Fund
Other (specify)

Total \$ Project	2011	2012	2013	2014	2015	2016
Wstewtr Con Fees/Res/New Customers	110,000	30,000	80,000			
TOTAL SOURCES	\$110,000	\$30,000	\$80,000			

NON CAPITAL OPERATING COSTS

Salaries, Benefits and Other
Debt Repayment

Total \$ Requested	2011	2012	2013	2014	2015	2016
TOTAL OPERATING						



Capital Improvement Program 2011 - 2016

Project for the

Wastewater Department

S6

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.

	Total \$ Requested	2011	2012	2013	2014	2015	2016
CAPITAL PROJECT COSTS							
Land/Right of Way							
Building Improvements							
Preliminary Engineering	20,000					20,000	
Construction Engineering							
Design Engineering	80,000						80,000
Construction Costs	900,000						900,000
Capital Outlay							
Other (Specify)							
TOTAL COSTS	\$1,000,000					\$20,000	\$980,000
REQUESTED FUNDING	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants							
Water Connection Fees/Reserves							
Wastewater Utility Fund							
Stormwater Conn Fees/Reserves							
Street Funds							
Wstewtr Con Fees/Res/New Customers	1,000,000					20,000	980,000
Real Estate Excise Tax I							
Real Estate Excise Tax II							
Public Works Trust Fund							
Developer Funded							
TOTAL SOURCES	\$1,000,000					\$20,000	\$980,000
NON CAPITAL OPERATING COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Salaries, Benefits and Other							
Debt Repayment							
TOTAL OPERATING							



Capital Improvement Program 2011 - 2016

Project for the

Wastewater Department

S7

PROJECT TITLE

South Black Diamond Wastewater Trunk Extension

DESCRIPTION

Purchase easements and design a wastewater main extension from the Metro Pump Station to the west and south.

BACKGROUND

The City needs to plan for wastewater trunk lines that will serve the maximum area to the south and west. This is a good project, but the need is not anticipated for over 10 years. This project needs to be covered in the sewer comprehensive plan.

COMMENTS

This effort is for the planning, right of way and preliminary engineering. The City will extend the sewer mains across the low land where no benefitting properties are served. From that point, developers will be expected to extend the sewer mains as developer extensions. This project will begin sometime after 2016.

CAPITAL PROJECT COSTS

Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way						
Building Improvements						
Preliminary Engineering						
Construction Engineering						
Design Engineering						
Construction Costs						
Capital Outlay						
Other (Specify)						
TOTAL COSTS						

REQUESTED FUNDING

Total \$ Project	2011	2012	2013	2014	2015	2016
Grants						
Water Connection Fees/Reserves						
Wastewater Utility Fund						
Stormwater Conn Fees/Reserves						
Street Funds						
Wstewtr Con Fees/Res/New Customers						
Real Estate Excise Tax I						
Real Estate Excise Tax II						
Public Works Trust Fund						
Developer Funded						
TOTAL SOURCES						

NON CAPITAL OPERATING COSTS

Total \$ Requested	2011	2012	2013	2014	2015	2016
Salaries, Benefits and Other						
Debt Repayment						
TOTAL OPERATING						

Stormwater Department



Stormwater Department

Capital Improvement Program 2011 - 2016

Expenditure Summary by Project

Project Name	Total \$ Requested	2011	2012	2013	2014	2015	2016
D1 Street Sweeper	250,000						250,000
D2 Rock Creek Wetland/Lake Sawyer Basin Study	185,000		20,000	5,000	5,000	5,000	150,000
D3 Public Works Yard Improvements	115,000				95,000		20,000
D4 Ginder Creek Stormwater Treatment Pond	250,000			50,000	200,000		
D5 Lake Sawyer Road Culvert and Guardrail	320,000		70,000		250,000		
TOTAL EXPENDITURES	1,120,000		90,000	55,000	550,000	5,000	420,000

Funding Sources

	Total \$ Project	2011	2012	2013	2014	2015	2016
Ecology Grant							
D2 Rock Creek Wetland/Lake Sawyer Basin Study	170,000		20,000				150,000
D3 Public Works Yard Improvements	55,000				55,000		
D5 Lake Sawyer Road Culvert and Guardrail	250,000				250,000		
Total Grants	475,000		20,000		305,000		150,000
Water Connection Fees							
D3 Public Works Yard Improvements	12,500				10,000		2,500
Wastewater Connection Fees							
D3 Public Works Yard Improvements	12,500				10,000		2,500
Stormwater Connection Fees/Reserves							
D1 Street Sweeper	250,000						250,000
D2 Rock Creek Wetland/Lake Sawyer Basin Study	15,000			5,000	5,000	5,000	
D3 Public Works Yard Improvements	12,500				10,000		2,500
D4 Ginder Creek Stormwater Treatment Pond	50,000			50,000			
D5 Lake Sawyer Road Culvert and Guardrail	40,000		40,000				
Total Stormwater Connection Fees/Reserves	367,500		40,000	55,000	15,000	5,000	252,500
Street Fund Funded							
D3 Public Works Yard Improvements	2,500						2,500
Real Estate Excise Tax II							
D3 Public Works Yard Improvements	20,000				10,000		10,000
D5 Lake Sawyer Road Culvert and Guardrail	30,000		30,000				
Total Real Estate Excise Tax II	50,000		30,000		10,000		10,000
Developer Funded or Grant							
D4 Ginder Creek Stormwater Treatment Pond	200,000				200,000		
Total Stormwater Projects	1,120,000		60,000	55,000	550,000	5,000	420,000



Capital Improvement Program 2011 - 2016

Project for the Stormwater Department # D1

PROJECT TITLE Street Sweeper

DESCRIPTION	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	By 2016 the City may have enough curbed street to warrant purchasing their own street sweeper.
COMMENTS	Street sweeping is a best management stormwater practice needed to stay in compliance with the Lake Sawyer TMDL and the City's stormwater permit requirements.

CAPITAL PROJECT COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way							
Building Improvements							
Preliminary Engineering							
Construction Engineering							
Design Engineering							
Construction Costs							
Capital Outlay	250,000						250,000
Other							
TOTAL COSTS	\$250,000						\$250,000

REQUESTED FUNDING	Total \$ Project	2011	2012	2013	2014	2015	2016
Department of Ecology Grant							
Water Connection Fees/Reserves							
Wastewater Connection Fees/Res							
Stormwater Connection Fees/Res	250,000						250,000
Street Funds							
REET I							
REET II							
PW Trust Fund							
TOTAL SOURCES	250,000						\$250,000



Capital Improvement Program 2011 - 2016

Project for the **Stormwater Department**

D2

PROJECT TITLE **Rock Creek Wetland/Lake Sawyer Basin Study**

DESCRIPTION

Study the Rock Creek Wetland and Lake Sawyer basin to determine if the Lake Sawyer wier should be revised to improve low summer water levels, increase low and late fall instream flows to Covington Creek and provide flood attenuation for flood events.

BACKGROUND

This project should be broken into an early exploration phase to see if there is agreement among stakeholders to carry any idea with broad base support forward for potential funding.

COMMENTS

It is not apparent who would be responsible for or how the weir at the discharge of Lake Sawyer would be replaced if it sustained damage or needed repairs.

CAPITAL PROJECT COSTS

	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way							
Building Improvements							
Preliminary Engineering	35,000		20,000	5,000	5,000	5,000	150,000
Construction Engineering							
Design Engineering							
Construction Costs							
Capital Outlay							
Other							
TOTAL COSTS	\$35,000		\$20,000	\$5,000	\$5,000	\$5,000	\$150,000

REQUESTED FUNDING

	Total \$ Project	2011	2012	2013	2014	2015	2016
Environmental Grant	20,000		20,000				150,000
Water Connection Fees/Reserves							
Wastewater Connection Fees/Res							
Stormwater Connection Fees/Res	15,000			5,000	5,000	5,000	
Street Funds							
REET I							
REET II							
PW Trust Fund							
TOTAL SOURCES	\$35,000		\$20,000	\$5,000	\$5,000	\$5,000	\$150,000



Capital Improvement Program 2011 - 2016

Project for the Stormwater Department # D3

PROJECT TITLE Public Works Yard Improvements

DESCRIPTION

The City assessed the site conditions with respect to best management practices for storm water runoff from the shop, equipment and materials handling area in Feb 2010. Some capital improvements are needed to adequately address stormwater runoff issues. And as part of the NPDES requirement, the City will bring operations in line with best management practices for equipment storage and washdown areas, proper storage of hazardous materials in 2014.

COMMENTS

Early on-site assessment and recommendation is needed to refine the scope of work and seek funding opportunities. This project might rate quite well for a low interest loan from the Public Works Trust Fund.

CAPITAL PROJECT COSTS	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way							
Building Improvements							
Preliminary Engineering	20,000						20,000
Construction Engineering							
Design Engineering	20,000				20,000		
Construction Costs							
Capital Outlay	75,000				75,000		
Study							
TOTAL COSTS	\$115,000				\$95,000		\$20,000

REQUESTED FUNDING

	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants (DOE)	55,000				55,000		
Water Conn Fees/Res	12,500				10,000		2,500
Wastewater Conn Fees/Res	12,500				10,000		2,500
Stormwater Conn Fees/Res	12,500				10,000		2,500
Street Funds	2,500						2,500
Water Connection Fees/Reserves							
Real Estate Excise Tax II	20,000				10,000		10,000
Other (specify)							
TOTAL SOURCES	\$115,000				\$95,000		\$20,000



Capital Improvement Program 2011 - 2016

Project for the

Stormwater Department

D4

PROJECT TITLE

Ginder Creek Stormwater Treatment Pond

DESCRIPTION

The City has three major untreated stormwater discharges onto city property 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.

BACKGROUND

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

COMMENTS

Whereas there is a 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 PROJECT COSTS

	Total \$ Requested	2011	2012	2013	2014	2015	2016
Land/Right of Way							
Building Improvements							
Preliminary Engineering							
Construction Engineering							
Design Engineering	50,000			50,000			
Construction Costs	200,000				200,000		
Capital Outlay							
Other							
TOTAL COSTS	\$250,000			\$50,000	\$200,000		

REQUESTED FUNDING

	Total \$ Project	2011	2012	2013	2014	2015	2016
Department of Ecology Grant	200,000				200,000		
Water Connection Fees/Reserves							
Wastewater Connection Fees/Res							
Stormwater Connection Fees/Res	50,000			50,000			
Street Funds							
Real Estate Excise Tax I							
Real Estate Excise Tax II							
PW Trust Fund							
Developer project					200,000		
TOTAL SOURCES	\$250,000			\$50,000	\$200,000		



Capital Improvement Program 2011 - 2016

Project for the **Stormwater Department**

D5

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

DESCRIPTION

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 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 2012 to assist with attracting grant and private mitigation funds.

	Total \$ Requested	2011	2012	2013	2014	2015	2016
CAPITAL PROJECT COSTS							
Land/Right of Way							
Building Improvements							
Preliminary Engineering							
Construction Engineering							
Design Engineering	70,000		70,000				
Construction Costs	250,000				250,000		
Capital Outlay							
Other (Specify)							
TOTAL COSTS	\$320,000		\$70,000		\$250,000		
REQUESTED FUNDING							
	Total \$ Project	2011	2012	2013	2014	2015	2016
Grants	250,000				250,000		
Water Connection/Reserves							
Wastewater Connection/Reserves							
Stormwater Connection/Reserves	40,000		40,000				
Street Funds							
Developer/Impact Fees/SEPA							
Real Estate Excise Tax I							
Real Estate Excise Tax II	30,000		30,000				
PW Trust Fund Loan							
BFB Carryover							
TOTAL SOURCES	\$320,000		\$70,000		\$250,000		



CITY OF BLACK DIAMOND

2010 Schedule 2011 – 2016 Capital Improvement Plan (CIP)

	Process	Internal Due Date	Committee Meetings	Workshops	City Council Meetings
1	CIP Planning Meeting with Mayor/Brenda	March 23			
2	CIP Call letter to affected departments (include goals, rules and timelines)	April 2			
3	Finance prepares operating revenue sources for affected funds such as Street, Sewer, Water, Drainage and General Government	April 9			
4	Departments prepare detailed requests and submit to City Administration and Finance	April 14			
5	Finance prepares Draft Spreadsheet combining revenues and department requests for Internal review with Administration	April 19			
6	Administration and finance meet departments to review options	April 20 - 23			
7	CIP Committee Meeting for Public Safety (Leih, Bill)		April 29 4:30		
8	CIP Committee Meeting for Finance (Gen Govt) (Kristine, Craig)		April 30 9:00		
9	CIP Committee Meeting for Parks (Craig, William)		April 30 2:30		
10	CIP Committee Meeting for Public Works (Kristine, William)		May 11 3:30		
11	CIP Council Workshop Non Public Works			May 13 Special Mtg 5:00	
12	CIP Council Workshop: Public Works			May 27 Special Mtg 5:00	
13	Public Hearings on proposed 2011 – 2016 CIP				June 3
14	Council adopts 2011 – 2016 CIP				June 17 or July 1

Regular scheduled Council meeting are in **BOLD**

