



City of Black Diamond



Capital Improvement Final Plan 2015 – 2020

Revised 10/23/2014

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Overview of the Capital Improvement Plan

What is the Capital Improvement Plan?

The Capital Improvement Plan (CIP) is a document that lays out a six-year road map identifying present and future capital and infrastructure needs for the City. Generally speaking, capital improvements are expensive and some projects cover multiple years, so carefully planning and managing Black Diamond's capital projects together is an important part of city management. For citizens, it is an investment in the future of our community.

Because the CIP is a plan rather than a budget, actual authorization for capital project spending for the upcoming year occurs when City Council adopts the Annual Budget in December.

Having the long range capital plan completed before the annual operating budget is developed helps management better incorporate both short and long term planning.

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

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 defines the total cost of the project and the amount allocated to the project for each year of the plan. 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 land is considered a capital asset.

How are projects in the Capital Improvement Plan paid for?

The CIP process involves balancing 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.

Real estate excise taxes (REET) are collected from property sales within the city limits and are earmarked specifically for capital projects. However in order to spend that money, a jurisdiction must have the project identified in a Capital Improvement Plan. So not only is the CIP a great overall planning tool for the City, it is also required in order to access REET monies.

Additionally, historical documentation of need is usually required when applying for grants. This need is documented in the CIP, as some projects get 'pushed out' from one year to the next due to lack of adequate funding.

Since 2007 property sales and prices have dropped in Black Diamond. This has reduced the REET funds available for capital improvements quite dramatically, causing more projects to be delayed in the plan.

Types of Capital Projects

Capital projects are essential to the delivery of many of Black Diamond'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, a public hearing, the proposed plan is brought before Council for approval.

Council Priorities

The Black Diamond City Council has established the following priorities for the 2015 – 2020 Capital Improvement Plan:

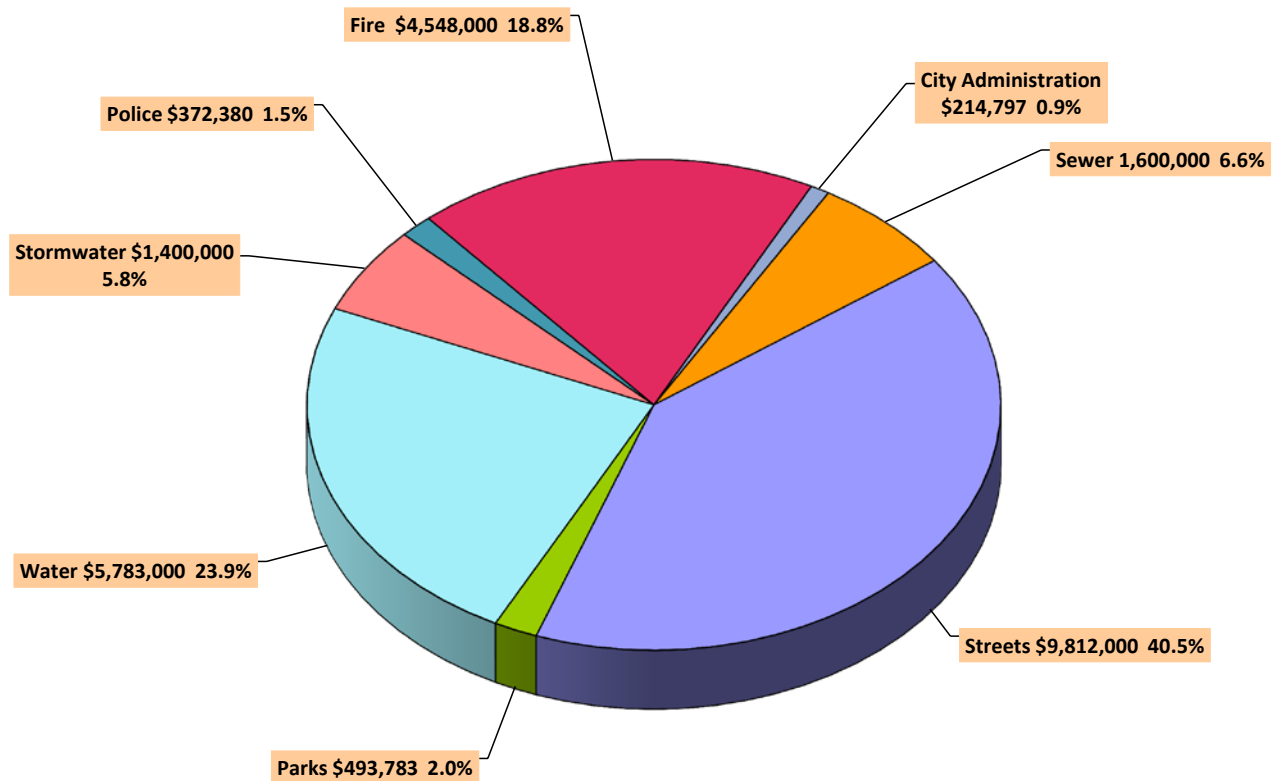
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|----|---|
| T2 | Roberts Drive/State Rt 169 Roundabout |
| T5 | Lawson Street Sidewalk Phase II |
| W1 | Springs & Transmission Reconstruction |
| W8 | Asbestos Water Main Replacement Program |
| W9 | 0.5 Million Gallon Water Reservoir Recoat |
| D2 | North Commercial & SR 169 Stormwater Treatment Pond |
| F1 | Replace Primary Fire Engine 98 |
| F5 | New Fire Station & Equipment |
| P1 | Ginder Creek Trail & Site Restoration |

Capital Improvement Plan 2015 - 2020

Total Summary by Department (includes debt payments)

<i>CAPITAL PROJECTS</i>							
Departments	Total \$ Project 2015 - 2020	2015	2016	2017	2018	2019	2020
Street Department	9,812,000	517,000	1,420,000	209,000	366,000	2,150,000	5,150,000
Water Department	5,783,000	367,000	590,000	2,381,000	65,000	1,120,000	1,260,000
Sewer Department	1,600,000	35,000	35,000	70,000	330,000	555,000	575,000
Stormwater Department	1,400,000	10,000	160,000	1,110,000	10,000	50,000	60,000
Parks and Recreation	493,783	82,783	10,500	32,000	26,500	79,000	263,000
Police Department	372,380	36,290	37,041	73,551	67,018	77,339	81,141
Fire Department	4,548,000	385,000	20,000	18,000	125,000	4,000,000	
City Administration	214,797	33,909	30,068	31,418	60,959	29,184	29,259
TOTAL Project COSTS	\$24,223,960	\$1,466,982	\$2,302,608	\$3,924,969	\$1,050,478	\$8,060,523	\$7,418,400

Total CIP: 24,223,960

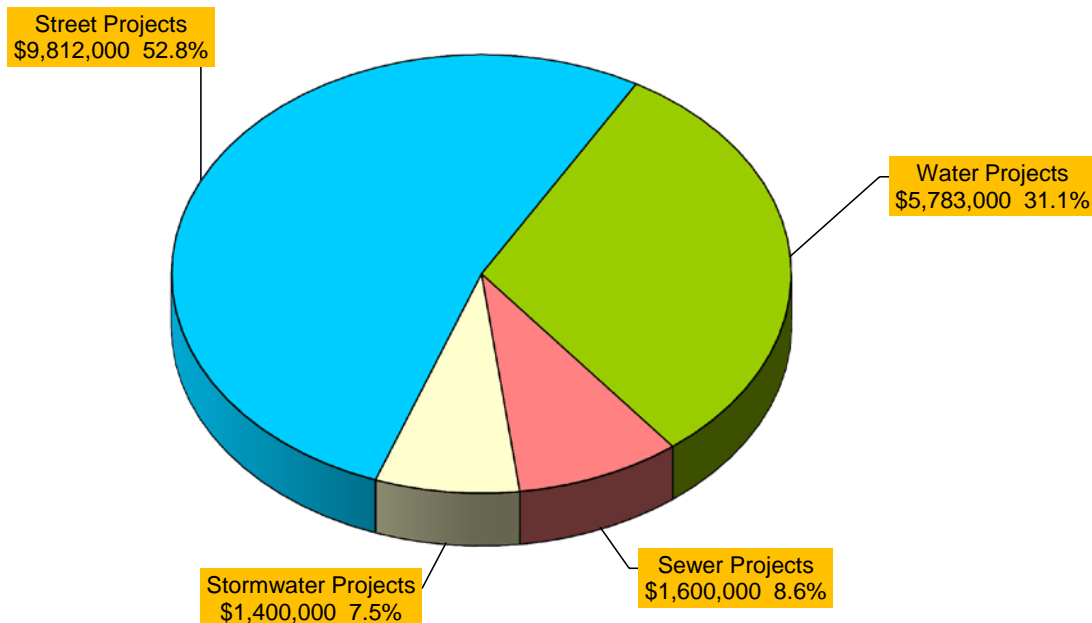


Public Works Fund Summary

Capital Improvement Plan 2015 - 2020

Funds	Total \$ Project 2015 - 2020	2015	2016	2017	2018	2019	2020
Street Projects	9,812,000	517,000	1,420,000	209,000	366,000	2,150,000	5,150,000
Water Projects	5,783,000	367,000	590,000	2,381,000	65,000	1,120,000	1,260,000
Sewer Projects	1,600,000	35,000	35,000	70,000	330,000	555,000	575,000
Stormwater Projects	1,400,000	10,000	160,000	1,110,000	10,000	50,000	60,000
TOTAL Project COSTS	\$ 18,595,000	\$929,000	\$2,205,000	\$3,770,000	\$771,000	\$3,875,000	\$7,045,000

Public Works CIP by Fund Total: \$18,595,000



CIP Public Works Summary

Capital Improvement Plan 2015 - 2020

		Total \$ Project 2015 - 2020	2015	2016	2017	2018	2019	2020
STREET PROJECTS								
T1	General Street Improvement	180,000	30,000	30,000	30,000	30,000	30,000	30,000
T2	Roberts Drive/State Rt 169 Roundabout	7,070,000				210,000	1,790,000	5,070,000
T3	Roberts Drive Rehabilitation	1,520,000	305,000	1,215,000				
T4	Grant Matching Fund	240,000	40,000	40,000	40,000	40,000	40,000	40,000
T5	Lawson Street Sidewalk Phase II	356,000				76,000	280,000	
T6	Jones Lake Road	122,000	122,000					
T7	228th & 224th & 216th Chip Seal	129,000			129,000			
T10	Sidewalk Safety	135,000	10,000	125,000				
(T)ER	Equipment Replacement	60,000	10,000	10,000	10,000	10,000	10,000	10,000
STREET PROJECTS		9,812,000	517,000	1,420,000	209,000	366,000	2,150,000	5,150,000
WATER PROJECTS								
W1	Springs & Transmission Reconstruction	2,916,000	120,000	480,000	2,316,000			
W3	Salmon Enhancement & Green Energy	1,415,000		45,000	55,000	55,000	210,000	1,050,000
W4	Fire Flow Loop - North Commercial Area	800,000					800,000	
W6	Water Comprehensive Plan Update	135,000	80,000	55,000				
W7	4.3 Mil Gal Tank Maintenance & Repairs	30,000					30,000	
W8	Asbestos Water Main Replacement Program	270,000					70,000	200,000
W9	0.5 MG Water Reservoir Recoat	157,000	157,000					
(W)ER	Equipment Replacement	60,000	10,000	10,000	10,000	10,000	10,000	10,000
WATER PROJECTS		5,783,000	367,000	590,000	2,381,000	65,000	1,120,000	1,260,000
SEWER PROJECTS								
S1	Infiltration and Inflow Reduction Program	150,000	25,000	25,000	25,000	25,000	25,000	25,000
S2	Public Works Facilities and Equipment	600,000					500,000	100,000
S3	Morganville Force Main Reroute	460,000					20,000	440,000
S4	Cedarbrook Sewer Main	330,000			35,000	295,000		
(S)ER	Equipment Replacement	60,000	10,000	10,000	10,000	10,000	10,000	10,000
SEWER PROJECTS		1,600,000	35,000	35,000	70,000	330,000	555,000	575,000
STORMWATER PROJECTS								
D1	Cov. Creek Culvert; Safety and Salmon Imp.	320,000		70,000	250,000			
D2	North Commercial and SR 169 Stormwater Treatment Pond	870,000		20,000	850,000			
D4	Ginder Creek Headwall	90,000					40,000	50,000
D6	Lawson Hills Estates Storm Pond	60,000		60,000				
(D)ER	Equipment Replacement	60,000	10,000	10,000	10,000	10,000	10,000	10,000
STORMWATER PROJECTS		1,400,000	10,000	160,000	1,110,000	10,000	50,000	60,000
TOTAL PUBLIC WORKS CAPITAL PROJECTS		18,595,000	929,000	2,205,000	3,770,000	771,000	3,875,000	7,045,000

CIP Public Works Summary FUNDING SUMMARY								
Capital Improvement Plan 2015 - 2020		Total \$ Project 2015 - 2020	2015	2016	2017	2018	2019	2020
REET II Funding								
T1	General Street Improvement	180,000	30,000	30,000	30,000	30,000	30,000	30,000
T4	Grant Matching Fund	240,000	40,000	40,000	40,000	40,000	40,000	40,000
W9	0.5 MG Water Reservoir Recoat	10,000	10,000					
Total REET II Funding		430,000	80,000	70,000	70,000	70,000	70,000	70,000
Water Rates								
W6	Water Comprehensive Plan Update	80,000	80,000					
W7	4.3 Mil Gal Tank Maintenance & Repairs	30,000					30,000	
Total Water Rates		110,000	80,000				30,000	
Water Connection Fees								
W4	Fire Flow Loop - North Commercial Area	800,000					800,000	
Total Water Connection Fees		800,000					800,000	
Sewer Connection Fees/Reserves								
S1	Infiltration and Inflow Reduction Program	150,000	25,000	25,000	25,000	25,000	25,000	25,000
S3	Morganville Force Main Reroute	20,000					20,000	
Total Sewer Connection Fees/Reserves		170,000	25,000	25,000	25,000	25,000	45,000	25,000
Stormwater Funding								
D4	Lawson Hills Estates Storm Pond	60,000		60,000				
Total Stormwater Funding		60,000		60,000				
Developer, Impact Fees and/or SEPA								
T2	Roberts Drive/State Rt 169 Roundabout	3,535,000				210,000	1,060,000	2,265,000
T5	Lawson Street Sidewalk Phase II	41,000				21,000	20,000	
W6	Water Comprehensive Plan Update	55,000		55,000				
Total Developer, Street Impact and/or SEPA Fees		3,631,000		55,000		231,000	1,080,000	2,265,000
WSFFA								
W1	Springs & Transmission Reconstruction	2,916,000	120,000	480,000	2,316,000			
Total WSFFA		2,916,000	120,000	480,000	2,316,000			
Museum In-Kind Contribution								
T10	Sidewalk Safety	30,000		30,000				
Total Museum In-Kind Contribution		30,000		30,000				

FUNDING SUMMARY CONT.		Total \$ Project 2015 - 2020	2015	2016	2017	2018	2019	2020
Grants (TIB,CDBG,DOE, etc)								
T2	Roberts Drive/State Rt 169 Roundabout	3,535,000					730,000	2,805,000
T3	Roberts Drive Rehabilitation	1,314,800	229,225	1,085,575				
T5	Lawson Street Sidewalk Phase II	165,000				55,000	110,000	
T5	Lawson Street Sidewalk Phase II	150,000					150,000	
T6	Jones Lake Road	110,000	110,000					
T7	228th & 224th & 216th Chip Seal	116,000			116,000			
T10	Sidewalk Safety	5,000		5,000				
T10	Sidewalk Safety	80,000		80,000				
W3	Grant (Green Energy)	550,000				40,000		510,000
W3	Grant (Salmon mitigation)	540,000						540,000
D1	Cov. Creek Culvert; Safety and Salmon Imp.	320,000		70,000	250,000			
D2	North Commercial and SR 169 Stormwater Treatment Pond	850,000			850,000			
Total Grants		7,735,800	339,225	1,240,575	1,216,000	95,000	990,000	3,855,000
Grant Matching								
T3	Roberts Drive Rehabilitation	205,200	35,775	169,425				
T6	Jones Lake Road	12,000	12,000					
T7	228th & 224th & 216th Chip Seal	13,000			13,000			
T10	Sidewalk Safety	20,000	10,000	10,000				
D2	North Commercial and SR 169 Stormwater Treatment Pond	20,000		20,000				
D4	Ginder Creek Headwall	90,000					40,000	50,000
Total Grant Matching		360,200	57,775	199,425	13,000		40,000	50,000
Public Works Trust Fund Loans								
W3	Salmon Enhancement & Green Energy	325,000	40,000	5,000	55,000	15,000	210,000	
W8	Asbestos Water Main Replacement Program	270,000					70,000	200,000
W9	0.5 MG Water Reservoir Recoat	147,000	147,000					
S3	Morganville Force Main Reroute	440,000						440,000
S4	Cedarbrook Sewer Main	330,000			35,000	295,000		
Total PWTF Loans		1,512,000	187,000	5,000	90,000	310,000	280,000	640,000
Loans or Bonding Funding								
S2	Public Works Facilities and Equipment	600,000					500,000	100,000
Total Loans or Bonding Funding		600,000					500,000	100,000
Equipment Replacement Schedule								
(T)ER	Street	60,000	10,000	10,000	10,000	10,000	10,000	10,000
(W)ER	Water	60,000	10,000	10,000	10,000	10,000	10,000	10,000
(S)ER	Sewer	60,000	10,000	10,000	10,000	10,000	10,000	10,000
(D)ER	Stormwater	60,000	10,000	10,000	10,000	10,000	10,000	10,000
Total Equipment Replacement Schedule Funding		240,000	40,000	40,000	40,000	40,000	40,000	40,000
Grand Total Public Works CIP Funding		18,595,000	929,000	2,205,000	3,770,000	771,000	3,875,000	7,045,000

REET II ANALYSIS SUMMARY (Fund 320)

Capital Improvement Plan 2015 - 2020

REET II - REVENUE		Capital Improvement Plan 2015 - 2020					
	Total \$ Project 2015 - 2020	2015	2016	2017	2018	2019	2020
Beg Fund Balance 321	180,741	180,741	113,241	60,241	66,179	76,804	104,804
REET Revenue (annual)							
1/4 of 1% REET - Existing Property	450,938	59,500	63,000	68,438	75,000	90,000	95,000
1/4 of 1% REET - Other new homes	37,125	3,000	4,000	7,500	5,625	8,000	9,000
Subtotal REET II Revenue	488,063	62,500	67,000	75,938	80,625	98,000	104,000
TOTAL Avail. Balance for Gen Govt Projects	668,804	243,241	180,241	136,179	146,804	174,804	208,804
REET II - PROJECT EXPENDITURES		Capital Improvement Plan 2015 - 2020					
	Total \$ Project 2015 - 2020	2015	2016	2017	2018	2019	2020
Street Projects							
T1 General Street Improvement	180,000	30,000	30,000	30,000	30,000	30,000	30,000
T4 Grant Matching Fund	240,000	40,000	40,000	40,000	40,000	40,000	40,000
W9 0.5 MG Water Reservoir Recoat	10,000	10,000					
Total REET II Projects	430,000	80,000	70,000	70,000	70,000	70,000	70,000
Total Transfer to Street Fund	100,000	50,000	50,000				
TOTAL REET II	530,000	130,000	120,000	70,000	70,000	70,000	70,000
REET II left for next year (Ending Balance)	138,804	113,241	60,241	66,179	76,804	104,804	138,804
REET based on Houses sold		2015	2016	2017	2018	2019	2020
Existing Property Sales (in 000's)		69 @\$336	70 @\$340	72 @\$350	75 @\$365	80 @\$375	90 @400
Other new home sales (in 000's)		2 @\$336	2 @\$340	3 @\$350	4 @\$365	6 @\$375	8 @\$400

Capital Improvement Plan 2015 - 2020

PUBLIC WORKS EQUIPMENT REPLACEMENT SCHEDULE

PWERS

DESCRIPTION

The City maintains an equipment replacement schedule for public works shared vehicles and equipment.

BACKGROUND

Operations equipment is scheduled for replacement when maintenance costs exceed replacement cost or as safety dictates.

	Total \$ Project 2015 - 2020	2015	2016	2017	2018	2019	2020
REVENUE							
Beginning Fund Balance	153,793	153,793	140,793	72,793	27,793	9,793	1,793
Cemetery & Parks REET I	42,000	7,000	7,000	7,000	7,000	7,000	7,000
Street Contribution	60,000	10,000	10,000	10,000	10,000	10,000	10,000
Water Contribution	60,000	10,000	10,000	10,000	10,000	10,000	10,000
Sewer Contribution	60,000	10,000	10,000	10,000	10,000	10,000	10,000
Stormwater Contribution	60,000	10,000	10,000	10,000	10,000	10,000	10,000
Revenue Total	282,000	47,000	47,000	47,000	47,000	47,000	47,000
Available Funding	435,793	200,793	187,793	119,793	74,793	56,793	48,793
EXPENDITURES							
Replace John Deere riding mower (zero turn)	15,000	15,000					
Replace back hoe with thumb and extend	80,000			80,000			
Replace Ferris zero turn/deck mower (x2)	12,000			12,000			
Sander and Snow Plow for Flatbed	20,000				20,000		
New 1/2 ton utility truck 4x4	45,000		45,000				
Sewer Jet Rodder	35,000		35,000				
*Road Grader engine repairs							
Road Grader							
Ford 2000 4 wheel drive (Jason)	45,000	45,000					
New Bobcat or mini excavator	30,000		30,000				
1998 White Ford Dump Truck	50,000					50,000	
Shoulder Mower (existing)							
Cemetery casket lowering device	5,000						5,000
3 point hitch tractor mower							
Sweeper							
Vacuum Trailer	45,000				45,000		
Husqvarna Riding Lawn Mower (cemetery)	5,000		5,000				
2000 Gray Chevy Silverado	30,000						30,000
2005 White Dodge 4x4 (Dan)							
2000 White Chevy 4x4 (Ken)							
2005 Chevy 4500 Flatbed Dump Truck							
2012 Big Tex Landscape Trailer	5,000					5,000	
Morganville Generator							
1983 C/R Utility Trailer							
Totals	422,000	60,000	115,000	92,000	65,000	55,000	35,000
Ending Fund Balance	13,793	140,793	72,793	27,793	9,793	1,793	13,793

Capital Improvement Plan 2015 - 2020

PUBLIC WORKS EQUIPMENT REPLACEMENT SCHEDULE

PWERS.1

DESCRIPTION

The City maintains an equipment replacement schedule for public works shared vehicles and equipment.

BACKGROUND

Operations equipment is scheduled for replacement when maintenance costs exceed replacement cost or as safety dictates.

Equipment Type		Cost	2015	2016	2017	2018	2019	2020
Replace John Deere riding mower (zero turn)		15,000	15,000					
Replace back hoe with thumb and extend		80,000			80,000			
Replace Ferris zero turn/deck mower (x2)		12,000			12,000			
Sander and Snow Plow for Flatbed		20,000				20,000		
New 1/2 ton utility truck 4x4		45,000		45,000				
Sewer Jet Rodder		35,000		35,000				
*Road Grader engine repairs								
Road Grader								
Ford 2000 4 wheel drive (Jason)		45,000	45,000					
New Bobcat or mini excavator		30,000		30,000				
1998 White Ford Dump Truck		50,000					50,000	
Shoulder Mower (existing)								
Cemetery casket lowering device		5,000						5,000
3 point hitch tractor mower								
Sweeper								
Vacuum Trailer		45,000				45,000		
Husqvarna Riding Lawn Mower (cemetery)		5,000		5,000				
2000 Gray Chevy Silverado		30,000						30,000
2005 White Dodge 4x4 (Dan)								
2000 White Chevy 4x4 (Ken)								
2005 Chevy 4500 Flatbed Dump Truck								
2012 Big Tex Landscape Trailer		5,000					5,000	
Morganville Generator								
1983 C/R Utility Trailer								
Totals		\$422,000	\$60,000	\$115,000	\$92,000	\$65,000	\$55,000	\$35,000

COST DISTRIBUTION

Street	30%	126,600	18,000	34,500	27,600	19,500	16,500	10,500
Water	22%	92,840	13,200	25,300	20,240	14,300	12,100	7,700
Sewer	22%	92,840	13,200	25,300	20,240	14,300	12,100	7,700
Stormwater	22%	92,840	13,200	25,300	20,240	14,300	12,100	7,700
Parks	3%	12,660	1,800	3,450	2,760	1,950	1,650	1,050
Cemetery	1%	4,220	600	1,150	920	650	550	350
TOTAL EXPENDITURE	100%	\$422,000	\$60,000	\$115,000	\$92,000	\$65,000	\$55,000	\$35,000

Street Department (Transportation Projects)

CAPITAL PROJECT SUMMARY

Expenditure Summary by Project								
STREET DEPARTMENT		Capital Plan 2015 - 2020						
		Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
T1 General Street Improvement	180,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
T2 Roberts Drive/State Rt 169 Roundabout	7,070,000					210,000	1,790,000	5,070,000
T3 Roberts Drive Rehabilitation	1,520,000	305,000	1,215,000					
T4 Grant Matching Fund	240,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000
T5 Lawson Street Sidewalk Phase II	356,000					76,000	280,000	
T6 Jones Lake Road	122,000	122,000						
T7 228th & 224th & 216th Chip Seal	129,000			129,000				
T10 Sidewalk Safety	135,000	10,000	125,000					
(T)EF Equipment Replacement	60,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
STREET DEPT TOTAL PROJECTS	9,812,000	517,000	1,420,000	209,000	366,000	2,150,000	5,150,000	
Funding Sources		Capital Plan 2015 - 2020						
		Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
TIB, CDBG and Other Grants								
T2 Roberts Drive/State Rt 169 Roundabout	3,535,000						730,000	2,805,000
T3 Roberts Drive Rehabilitation	1,314,800	229,225	1,085,575					
T5 Lawson Street Sidewalk Phase II	165,000					55,000	110,000	
T5 Lawson Street Sidewalk Phase II	150,000						150,000	
T6 Jones Lake Road	110,000	110,000						
T7 228th & 224th & 216th Chip Seal	116,000			116,000				
T10 Sidewalk Safety	5,000		5,000					
T10 Sidewalk Safety	80,000		80,000					
Total Grants	5,475,800	339,225	1,170,575	116,000	55,000	990,000	2,805,000	
Developer Funded/Impact Fees/SEPA								
T2 Roberts Drive/State Rt 169 Roundabout	3,535,000					210,000	1,060,000	2,265,000
T5 Lawson Street Sidewalk Phase II	41,000					21,000	20,000	
Total Developer/Impact/SEPA Funding	3,576,000					231,000	1,080,000	2,265,000
Real Estate Excise Tax II Funding								
T1 General Street Improvement	180,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
T4 Grant Matching Fund	240,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000
Total REET II Funding	420,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000
Museum In-Kind Contribution								
T10 Sidewalk Safety	30,000		30,000					
Total Museum In-Kind Contribution	30,000		30,000					
Grant Matching Fund								
T3 Roberts Drive Rehabilitation	205,200	35,775	169,425					
T6 Jones Lake Road	12,000	12,000						
T7 228th & 224th & 216th Chip Seal	13,000			13,000				
T10 Sidewalk Safety	20,000	10,000	10,000					
Total Grant Matching Fund	250,200	57,775	179,425	13,000				
Total Street Projects	9,752,000	467,000	1,450,000	199,000	356,000	2,140,000	5,140,000	
(T)EF Equipment Replacement	60,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Total Street Funding	9,812,000	477,000	1,460,000	209,000	366,000	2,150,000	5,150,000	

Capital Plan 2015 - 2020

Project for the	Street Department	T1
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PROJECT TITLE	General Street Improvement	13.01
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DESCRIPTION Annually the Public Works staff assesses the street system and selects key street preservation and improvement work. Typical activities under this project are chip sealing, crack sealing, patch work and addressing minor safety problems. Because of the declining revenue in the street fund the cost of striping, signs, and roadside materials have been shifted to REET funding and are included in this work item.

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

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

		Capital Plan 2014 - 2019					
CAPITAL PROJECT COSTS	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
	Construction Costs	30,000	30,000	30,000	30,000	30,000	30,000
	TOTAL COSTS	30,000	30,000	30,000	30,000	30,000	30,000
REQUESTED FUNDING	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
	REET II	30,000	30,000	30,000	30,000	30,000	30,000
	TOTAL SOURCES	30,000	30,000	30,000	30,000	30,000	30,000



Capital Plan 2015 - 2020

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

PROJECT TITLE **Roberts Drive/State Rt 169 Roundabout** **13.02**

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 east bound motorists to turn left and west bound motorists on Ravensdale 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 developer's initial mitigation improvements for this intersection will be realignment and signal improvements. As traffic grows and the needs increase the chances of receiving grant funding will improve. Once the preliminary engineering is complete the City will be prepared to begin applying for grants.

	Total \$ Requested 2015-2020	Capital Plan 2014 - 2019					
		2015	2016	2017	2018	2019	2020
CAPITAL PROJECT COSTS							
Land/Right of Way	200,000					200,000	
Preliminary Engineering	200,000				200,000		
Environ Engr & Permitting	300,000					300,000	
Construction Engineering	500,000						500,000
Bid Documents	50,000					50,000	
Design Engineering	600,000					600,000	
Construction Costs	4,665,000					350,000	4,315,000
Environ Mitigation	200,000					200,000	
Management / Administration	355,000				10,000	90,000	255,000
TOTAL COSTS	7,070,000	-	-	-	210,000	1,790,000	5,070,000
	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
REQUESTED FUNDING							
Developer	3,535,000				210,000	1,060,000	2,265,000
Grants	3,535,000					730,000	2,805,000
TOTAL SOURCES	7,070,000	-	-	-	210,000	1,790,000	5,070,000



Proposed Roundabout



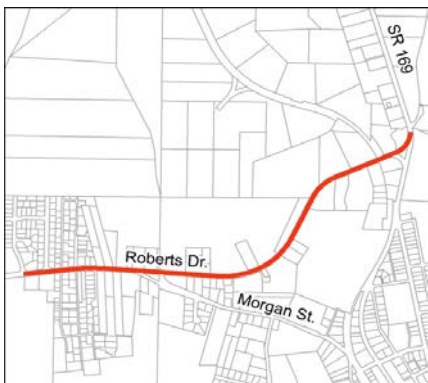
Capital Plan 2015 - 2020

Project for the	Street Department	#	T3
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PROJECT TITLE	Roberts Drive Rehabilitation	14.02
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DESCRIPTION	Grind, Patch and Replace concrete panels; Seal joints and cracks; Pave the shoulders; Overlay the existing roadway
BACKGROUND	The concrete roadway is about 100 years old but needs some major repair work. This project is to repair and preserve the existing road. At some point the city plans to upgrade the road to an urban standard with sidewalk, curb, gutters and street lights.
COMMENTS	This budget was increased to address storm water treatment, asphalt shoulders, an overlay and the extra cost of a federally funded project. Whereas there are alternatives to looping and connecting water mains along this section of roadway, this project can move forward without full water system upgrades.

	Total \$ Requested 2015-2020	Capital Plan 2015 - 2020					
		2015	2016	2017	2018	2019	2020
CAPITAL PROJECT COSTS							
Prelim Engineering & Environmental	90,000	\$90,000					
Design & bid docs	140,000	140,000					
Management & Admin	35,000	10,000	25,000				
Right of Way	50,000	50,000					
Construction	935,000		935,000				
Services during Construction	130,000		130,000				
Contingency	140,000	15,000	125,000				
TOTAL COSTS	1,520,000	305,000	1,215,000	-	-	-	-
REQUESTED FUNDING							
	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
Federal Pave. Preservation Grant	1,314,800	229,225	1,085,575				
TIB Federal Grant Matching	205,200	35,775	169,425				
TOTAL SOURCES	1,520,000	265,000	1,255,000				



Capital Plan 2015 - 2020

Project for the	Street Department	#	T4
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PROJECT TITLE	Grant Matching Fund		13.03
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DESCRIPTION This project is used to accumulate funds for a match for grants for street and pedestrian projects now scheduled on the CIP.

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

		Capital Plan 2015 - 2020					
CAPITAL PROJECT COSTS	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
	Funding to Match Grants	240,000	40,000	40,000	40,000	40,000	40,000
TOTAL COSTS	240,000	40,000	40,000	40,000	40,000	40,000	40,000
REQUESTED FUNDING	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
	Real Estate Excise Tax II	240,000	40,000	40,000	40,000	40,000	40,000
TOTAL SOURCES	240,000	40,000	40,000	40,000	40,000	40,000	40,000



What is a matching grant?

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



Capital Plan 2015 - 2020

Project for the

Street Department

T5

PROJECT TITLE

Lawson Street Sidewalk Phase II

13.05

DESCRIPTION

Construct 1015 feet of new 5 foot concrete sidewalk on the north side of Lawson Street to from Sixth Avenue to the east boundary of Lawson Hill Estates. This project does not include curb gutter or street widening. Project cost \$340,800.

BACKGROUND

Lawson Hill Estates and the surrounding area is within 1 mile of the elementary school on Baker Street. The City is partnering with the School District to seek Safe Routes to School grants for this project. It is anticipated that additional funding will be needed to cover the entire cost. Transportation Improvement Board Funding and or potentially MPD mitigation funding may also be available. The City and the School District are planning to cooperate and jointly apply for this grant in 2017 for funding in 2018 and 2019.

COMMENTS

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

CAPITAL PROJECT COSTS

Land/Right of Way
Design Engineering
Mngmt & Admin
Construction Costs

TOTAL COSTS

REQUESTED FUNDING

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

TOTAL SOURCES

		Capital Plan 2015 - 2020					
Total \$ Requested 2015-2020		2015	2016	2017	2018	2019	2020
Land/Right of Way	10,000				10,000		
Design Engineering	61,000				61,000		
Mngmt & Admin	15,000				5,000	10,000	
Construction Costs	270,000					270,000	
TOTAL COSTS	356,000	-	-	-	76,000	280,000	-
Total \$ Requested 2015-2020		2015	2016	2017	2018	2019	2020
Safe Route to School Grant	165,000				55,000	110,000	
TIB Pedestrian Grant	150,000					150,000	
Developer/Impact Fees/SEPA	41,000				21,000	20,000	
TOTAL SOURCES	356,000	-	-	-	76,000	280,000	-



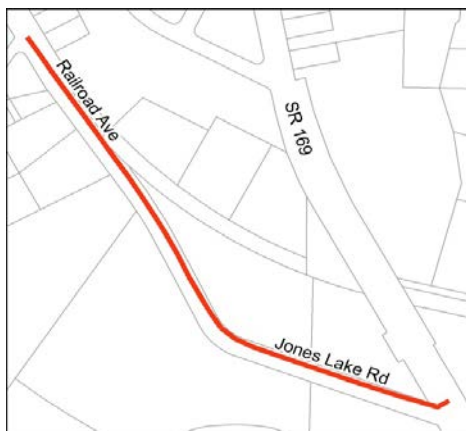
Capital Plan 2015 - 2020

Project for the	Street Department	# T6
PROJECT TITLE	Jones Lake Road	14.01

DESCRIPTION Patch and overlay Jones Lake Road from SR 169 to the end of the overlay improvement on RR Ave.

BACKGROUND The pavement condition is average to poor. The roadway width is a little too narrow with no shoulders. The engineering, bid process, inspections and project management will be provided by City staff.

		Capital Plan 2015 - 2020						
CAPITAL PROJECT COSTS		Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
Engineering & bid docs		16,000	16,000					
Management & Administration		10,000	10,000					
Construction		96,000	96,000					
TOTAL COSTS		122,000	122,000	-	-	-	-	-
REQUESTED FUNDING		Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
TIB pavement preservation		110,000	110,000					
Grant Matching		12,000	12,000					
TOTAL SOURCES		122,000	122,000	-	-	-	-	-



Capital Plan 2015 - 2020

Project for the	Street Department	# T7
PROJECT TITLE	228th & 224th & 216th Chip Seal	14.03

DESCRIPTION Patch and Chip Seal 228th, 224th, and 216th Ave SE from Sawyerwood Elementary to the Covington Sawyer Road except for the section in front of the Fire Station and past Kent Lake Highlands.

BACKGROUND This long section of roadway can be preserved by 7 to 10 years at one third of the cost of an overlay. A chip seal will help stretch the grant funding and help the City get ahead of the curve with deteriorating streets.

COMMENTS

		Capital Plan 2015 - 2020					
CAPITAL PROJECT COSTS	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
Design Engineering	16,000			16,000			
Management and Administration	10,000			10,000			
Construction	103,000			103,000			
TOTAL COSTS	129,000	-	-	129,000	-	-	-
REQUESTED FUNDING	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
TIB Pavement Preservation	116,000			116,000			
Grant Matching	13,000			13,000			
TOTAL SOURCES	129,000	-	-	129,000	-	-	-



Capital Plan 2015 - 2020

Project for the

Street Department

T10

PROJECT TITLE

Sidewalk Safety

13.05

DESCRIPTION

Construct 60 feet of new decorative 8 feet wide concrete plank sidewalk from the north end of the museum to Commission Street. Construct 150 feet of 5 foot concrete sidewalk, curb and gutter along the north side of Commission Ave from Morgan Street to the basement access of the Museum. Regrade and repave the first 100 feet of Commission Ave for a better approach slope to Morgan Street and better sight distance at the intersection. This project will collect and control storm water runoff from Morgan Street that is undermining museum improvements and stabilize the slope below the caboose.

BACKGROUND

This project will connect a public sidewalk across the front of the museum so that a sidewalk will not be needed along the edge of Morgan Street. This project will improve the safety of the Morgan/Commission Ave Intersection.

The leaders of the Museum approached the City staff with infrastructure problems and their need to provide ADA accessibility to whole museum. The Museum would like to partner with this City on this project and has made the commitment to: 1) Take care the the demolition of the patio and the wood steps, moving the tool shed and bath house out of the way, removing and disposing of the creosote posts; 2) Reinstall the benches and railing; 3) Reinstall the tool shed to the new agreed on location after getting a building permit; 4) Install the decorative concrete sidewalk to Commission after the City storm, grading and retaining wall and roadway construction is complete.

COMMENTS

CAPITAL PROJECT COSTS

Preliminary Engineering
Design Engineering

Construction Costs

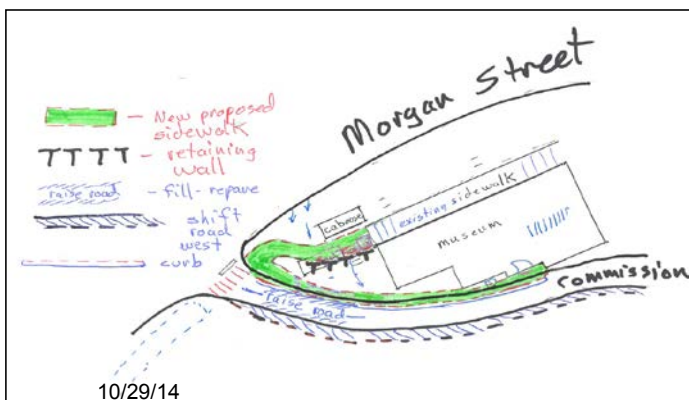
TOTAL COSTS

REQUESTED FUNDING

Grant Match
Pedestrian Grant
Museum in kind contribution
KCDG ADA Accessibility Grant

TOTAL SOURCES

		Capital Plan 2015 - 2020					
Total \$ Requested 2015-2020		2015	2016	2017	2018	2019	2020
Preliminary Engineering	10,000	10,000					
Design Engineering	20,000		20,000				
	5,000		5,000				
Construction Costs	100,000		100,000				
TOTAL COSTS	135,000	10,000	125,000	-	-	-	-
Total \$ Requested 2015-2020		2015	2016	2017	2018	2019	2020
Grant Match	20,000	10,000	10,000				
Pedestrian Grant	5,000		5,000				
Museum in kind contribution	30,000		30,000				
KCDG ADA Accessibility Grant	80,000		80,000				
TOTAL SOURCES	135,000	10,000	125,000	-	-	-	-



Water Department CAPITAL PROJECT SUMMARY

Funding Summary by Project							
WATER DEPARTMENT	Capital Plan 2015 - 2020						
	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
W1 Springs & Transmission Reconstruction	2,916,000	120,000	480,000	2,316,000			
W3 Salmon Enhancement & Green Energy	1,415,000		45,000	55,000	55,000	210,000	1,050,000
W4 Fire Flow Loop - North Commercial Area	800,000					800,000	
W6 Water Comprehensive Plan Update	135,000	80,000	55,000				
W7 4.3 Mil Gal Tank Maintenance & Repairs	30,000					30,000	
W8 Asbestos Water Main Replacement Program	270,000					70,000	200,000
W9 0.5 MG Water Reservoir Recoat	157,000	157,000					
(W)ER Equipment Replacement	60,000	10,000	10,000	10,000	10,000	10,000	10,000
WATER DEPARTMENT TOTAL PROJECTS	5,783,000	367,000	590,000	2,381,000	65,000	1,120,000	1,260,000
Funding Sources							
	Capital Plan 2015 - 2020						
	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
REET II							
W9 0.5 MG Water Reservoir Recoat	10,000	10,000					
Total REET II	10,000	10,000					
Water Rates							
W6 Water Comprehensive Plan Update	80,000	80,000					
W7 4.3 Mil Gal Tank Maintenance & Repairs	30,000					30,000	
Total Water Rates	110,000	80,000				30,000	
Water System & Facilities Funding Agmt (WSFFA)							
W1 Springs & Transmission Reconstruction	2,916,000	120,000	480,000	2,316,000			
Total WSFFA Funds	2,916,000	120,000	480,000	2,316,000			
Grant Funding							
W3 Grant (Salmon mitigation)	540,000						540,000
W3 Grant (Green Energy)	550,000				40,000		510,000
Total Grant Funding	1,090,000				40,000		1,050,000
Water Connection Charges							
W4 Fire Flow Loop - North Commercial Area	800,000					800,000	
Total PWTF Loan	800,000					800,000	
PWTF Loan							
W3 Salmon Enhancement & Green Energy	325,000		45,000	55,000	15,000	210,000	
W8 Asbestos Water Main Replacement Program	270,000					70,000	200,000
W9 0.5 MG Water Reservoir Recoat	147,000	147,000					
Total Other Undetermined Loan	742,000	147,000	45,000	55,000	15,000	280,000	
Developer Funding							
W6 Water Comprehensive Plan Update	55,000		55,000				
Total Developer Funding	55,000		55,000				
TOTAL FUNDING FOR WATER PROJECTS	5,723,000	357,000	580,000	2,371,000	55,000	1,110,000	1,050,000
EQUIPMENT REPLACEMENT-OPERATING COST	Capital Plan 2015 - 2020						
	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
(W)ER Equipment Replacement	60,000	10,000	10,000	10,000	10,000	10,000	10,000
TOTAL NON CAPITAL OPERATING	60,000	10,000	10,000	10,000	10,000	10,000	10,000
TOTAL WATER DEPARTMENT FUNDING	5,783,000	367,000	590,000	2,381,000	65,000	1,120,000	1,060,000

Capital Plan 2015 - 2020

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

PROJECT TITLE **Springs & Transmission Reconstruction** **13.06**

DESCRIPTION The concept to rehabilitate the City's water source has shifted from **A**(trying to protect and rehabilitate the open springs, replacing pipes over the steep slope and reconstruct the river crossing) to **B** (tapping an artesian spring on the north side of the river, transferring the water right withdrawal point, upgrading the chlorine system) , replacing the transmission main back to Black Diamond and securing easement rights from State Parks.

BACKGROUND In late 2013 the City contracted with RH2 to study and compare two alternative concepts to improve and redevelop the springs to full water right capacity. The Springs Alternative Analysis Study recommended that the City pursue tapping an artesian spring on the north side of the river rather than reconstructing the more vulnerable more complicated spring collection system on the south side. The staff, Public Works Committee and Council at a CIP workshop agreed with this recommendation because of the lower maintenance, higher reliability, lower risks to employees, and a better protected water supply.

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

Capital Plan 2015 - 2020							
CAPITAL PROJECT COSTS	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
Preliminary Engineering	110,000	110,000					
Design Engineering	450,000		450,000				
Management / Administration	145,000	10,000	30,000	105,000			
Construction Costs	2,211,000			2,211,000			
TOTAL COSTS	2,916,000	120,000	480,000	2,316,000	-	-	-
REQUESTED FUNDING	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
Water Syst & Fac. Fndg Agrmt.	2,916,000	120,000	480,000	2,316,000			
TOTAL SOURCES	2,916,000	120,000	480,000	2,316,000	-	-	-



Pump & Chlorine building

Capital Plan 2015 - 2020

Project for the	Water Department	#	W3
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PROJECT TITLE	Salmon Enhancement & Green Energy	14.09
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DESCRIPTION Replace the turbine, with a new larger turbine, electrical generator and connections to the power grid. The inlet pipe and spring overflow pipes needs to be replaced and upsized. The outlet discharge pipe needs to be replaced.

BACKGROUND This project will provide a source of green energy, prevent south bank erosion, reduce the risk of landslides into the Green River, reduce turbidity in the Green River and protect the stability of the spings collection sites. The City hopes to partner with an environmental group or a local tribe for the construction of a salmon spawning bed with the cool clean discharge water from the power generation.

COMMENTS The City is considering a simpler, easier to maintain water source on the north side of the Green River. See project W1. The transfer of the springs water right to an artesian spring on the north side of the river separates the need for the turbine pumping of south spring water across the river and therefore separates the obligation from the Water Supply and Facilities Funding Partners. However the benefit to the City of potentially generating revenue to keep water rates down and producing clean green power is still available to the City. The possibility of grant funding for the project looks very strong. Debt will be repaid by energy savings.

		Capital Plan 2015 - 2020					
<i>CAPITAL PROJECT COSTS</i>	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
Initial study, grant applications	90,000		40,000	50,000			
Preliminary Engineering	50,000				50,000		
Permit and partnership development	200,000					200,000	
Engineering	75,000		5,000	5,000.00	5,000	10,000	50,000
Project Management	1,000,000						1,000,000
Construction Costs							
<i>TOTAL COSTS</i>	1,415,000	-	45,000	55,000	55,000	210,000	1,050,000
<i>REQUESTED FUNDING</i>	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
Grant Funding							
Grant (Salmon mitigation)	540,000						540,000
Grant (Green Energy)	550,000				40,000		510,000
Total Grant Funding	1,090,000	-	-	-	40,000	-	1,050,000
Public Works Trust Fund							
PWTF Loan	325,000		45,000	55,000	15,000	210,000	
<i>TOTAL SOURCES</i>	1,415,000	-	45,000	55,000	55,000	210,000	1,050,000



Capital Plan 2015 - 2020

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

PROJECT TITLE **Fire Flow Loop - North Commercial Area** **13.08**

DESCRIPTION Replace 200 feet of 4 inch asbestos concrete with 100 feet of 12 inch ductile iron water main across SR 169 at the power substation; Complete a 900 foot 12 inch ductile iron water main loop from Cedar Brook Mobile Home Park to the 6 inch asbestos water main behind Boots Tavern

BACKGROUND This is a capacity and system reliability project. Other commercial properties development along SR-169 may also be contributing or constructing portions of this project.

COMMENTS 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 existing city system. Yarrow Bay commercial development in the North Triangle with required water line looping will make this project a lower priority. *It would take approximately 116 lots of infill development to cover the cost of this project.

CAPITAL PROJECT COSTS

management / administration

Construction Costs

TOTAL COSTS

REQUESTED FUNDING

Water Connection charges *

TOTAL SOURCES

Total \$ Requested 2015-2020	Capital Plan 2015 - 2020					
	2015	2016	2017	2018	2019	2020
40,000					40,000	
80,000					80,000	
680,000					680,000	
800,000	-	-	-	-	800,000	-
Total \$ Requested 2015-2020						
	2015	2016	2017	2018	2019	2020
800,000					800,000	
800,000	-	-	-	-	800,000	-



Capital Plan 2015 - 2020

Project for the	Water Department	#	W6
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PROJECT TITLE	Water Comprehensive Plan Update	14.12
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DESCRIPTION The Department of Health requires an update of the Water Comprehensive Plan every 6 years. The City is due to update the Water Comprehensive Plan in 2015.

COMMENTS The Public Works Department will update the Water Comprehensive Plan primarily with in house staff with assistance from an outside consultant for water system modeling and system mapping.

	Total \$ Requested 2015-2020	Capital Plan 2015 - 2020					
		2015	2016	2017	2018	2019	2020
CAPITAL PROJECT COSTS							
Management / Administration	10,000	5,000	5,000				
Consultant Services	70,000	40,000	30,000				
in house engineering	55,000	35,000	20,000				
TOTAL COSTS	135,000	80,000	55,000	-	-	-	-
REQUESTED FUNDING							
Water Reserves and Rates	80,000	80,000					
Developer Funded	55,000		55,000				
TOTAL SOURCES	135,000	80,000	55,000	-	-	-	-

City of Black Diamond

Water System Comprehensive Plan



Capital Plan 2015 - 2020

Project for the	Water Department	# W7
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PROJECT TITLE	4.3 Mil Gal Tank Maintenance & Repairs	14.11
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DESCRIPTION The 4.3 million gallon water tank will be 10 years old in 2016. The tank will need be drained and any and all spots of corrosion or paint damage will need to be spot treated to help preserve the over all inside and exterior coatings.

COMMENTS This project while it is a maintenance project does extend the life of the coating by about 5 to 10 years and therefore is included in this Capital Improvement Plan

	Total \$ Requested 2015-2020	Capital Plan 2015 - 2020					
		2015	2016	2017	2018	2019	2020
CAPITAL PROJECT COSTS							
Water Tank Maintenance	30,000					30,000	
TOTAL COSTS	30,000	-	-	-	-	30,000	-
REQUESTED FUNDING							
Water Rates	30,000					30,000	
TOTAL SOURCES	30,000	-	-	-	-	30,000	-



Project for the	Water Department	# W8
PROJECT TITLE	Asbestos Water Main Replacement Program	14.13

DESCRIPTION

Replace 228 feet of 4 inch and 854 feet of 6 inch asbestos water main on Morgan Drive from Roberts Drive to the north end of Morgan Drive.

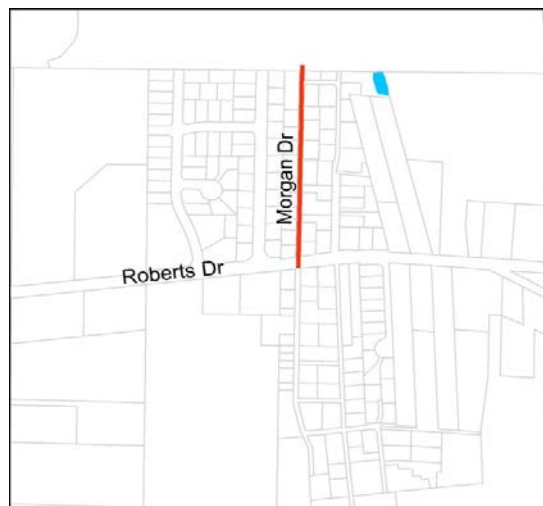
BACKGROUND

This project will improve fire flows to the Morganville area and replace substandard pipe that is nearing its useful performance life. This is a maintenance project funded by existing customers.

COMMENTS

Further future study of the existing asbestos water mains may show that a different asbestos water main should be replaced than this particular water main. Leak history, street reconstruction projects, pavement condition, developer improvements and asbestos pipe strength tests may change the priority of the asbestos pipe to be replaced.

CAPITAL PROJECT COSTS		Capital Plan 2015 - 2020					
	Capital Plan 2015 - 2020	2015	2016	2017	2018	2019	2020
Preliminary Engineering	15,000					15,000	
Engineering, design, bid docs	50,000					50,000	
Management / Administration	15,000					5,000	10,000
Construction	165,000						165,000
Contingency	25,000						25,000
TOTAL COSTS	270,000	-	-	-	-	70,000	200,000
REQUESTED FUNDING	Capital Plan 2015 - 2020	2015	2016	2017	2018	2019	2020
UNFUNDED	270,000	-	-	-	-	70,000	200,000
TOTAL SOURCES	270,000	-	-	-	-	70,000	200,000



Capital Plan 2015 - 2020

Project for the

Water Department

W9

PROJECT TITLE

0.5 MG Water Reservoir Recoat

DESCRIPTION

Repaint the 0.5 MG reservoir inside and out.

BACKGROUND

This project while it is a maintenance project does extend the life of the coating by about 5 to 10 years and therefore is included in this Capital Improvement Plan

COMMENTS

The budget was increased from the 2013 budget because of the paint condition, need for an additional access port, tank mixing and staff costs. The preliminary engineering will start in 2013 as budgeted. Work will begin in 2014. Funded by a Public Works Trust Fund Loan for 10 years @ 2.5%.

CAPITAL PROJECT COSTS

Design Engineering & bid docs
Specialty Inspection
Tank Painting & Improvements
Project Management

TOTAL COSTS

REQUESTED FUNDING

PWTF Loan or other
Interfund Loan from Sewer
Real Estate Excise Tax II

TOTAL SOURCES

Total \$ Requested 2015-2020	Capital Plan 2015 - 2020					
	2015	2016	2017	2018	2019	2020
Design Engineering & bid docs	15,000	15,000				
Specialty Inspection	4,000	4,000				
Tank Painting & Improvements	120,000	120,000				
Project Management	18,000	18,000				
TOTAL COSTS	157,000	157,000	-	-	-	-
Total \$ Requested 2015-2020						
	2015	2016	2017	2018	2019	2020
PWTF Loan or other	147,000	147,000				
Interfund Loan from Sewer	5,000	5,000				
Real Estate Excise Tax II	5,000	5,000				
TOTAL SOURCES	157,000	157,000	-	-	-	-



CAPITAL PROJECT SUMMARY

Expenditure Summary by Project							
SEWER DEPARTMENT	Capital Plan 2015 - 2020						
	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
S1 Infiltration and Inflow Reduction Program	150,000	25,000	25,000	25,000	25,000	25,000	25,000
S2 Public Works Facilities and Equipment	600,000					500,000	100,000
S3 Morganville Force Main Reroute	460,000					20,000	440,000
S4 Cedarbrook Sewer Main	330,000			35,000	295,000		
(S)ER Equipment Replacement	60,000	10,000	10,000	10,000	10,000	10,000	10,000
SEWER DEPT TOTAL PROJECTS	1,600,000	35,000	35,000	70,000	330,000	555,000	575,000
Funding Sources							
Loans or Bonding Funding	Capital Plan 2015 - 2020						
	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
S2 Public Works Facilities and Equipment	600,000					500,000	100,000
Total REET I	600,000					500,000	100,000
Sewer Reserves, New Customers & Conn. Fees							
S1 Infiltration and Inflow Reduction Program	150,000	25,000	25,000	25,000	25,000	25,000	25,000
S3 Morganville Force Main Reroute	20,000					20,000	
Total Sewer Reserves, New Customers & Conn. Fees	170,000	25,000	25,000	25,000	25,000	45,000	25,000
Public Works Trust Fund Loan							
S3 Morganville Force Main Reroute	440,000						440,000
S4 Cedarbrook Sewer Main	330,000			35,000	295,000		
Total Public Works Trust Fund Loans	770,000			35,000	295,000		440,000
TOTAL FUNDING FOR SEWER PROJECTS	1,540,000	25,000	25,000	60,000	320,000	545,000	565,000
Equipment Replacement - Operating Costs							
(S)ER Equipment Replacement	60,000	10,000	10,000	10,000	10,000	10,000	10,000
TOTAL FUNDING FOR SEWER PROJECTS	1,600,000	35,000	35,000	70,000	330,000	555,000	575,000

Capital Plan 2015 - 2020

Project for the	Sewer Department	#	S1
PROJECT TITLE	Infiltration and Inflow Reduction Program		13.10

DESCRIPTION

This project funds any activities that reduce infiltration of groundwater or inflow of stormwater into the sewer system such as: TV inspections, smoke testing, flow monitoring, and then Repair Work such as: pipe rehabilitation, sealing, requiring private line replacement, manhole repair and sewer line replacement.

BACKGROUND

The City needs to reduce the infiltration and inflow as good stewardship and maintenance of the existing sewer system. The City also desires to preserve and recapture capacity in the wastewater system by reducing and controlling the peak flows. Recent maintenance activities, sewer investigations, recent sewer flow peaks and maintenance work has given staff assurance that the City could reduce the annual effort to \$25,000 annually and reprogram accumulated unspent funds in this capital category. The City will continue to monitor the expense and effectiveness of this program.

CAPITAL PROJECT COSTS

Management / Administration

Design & Construction

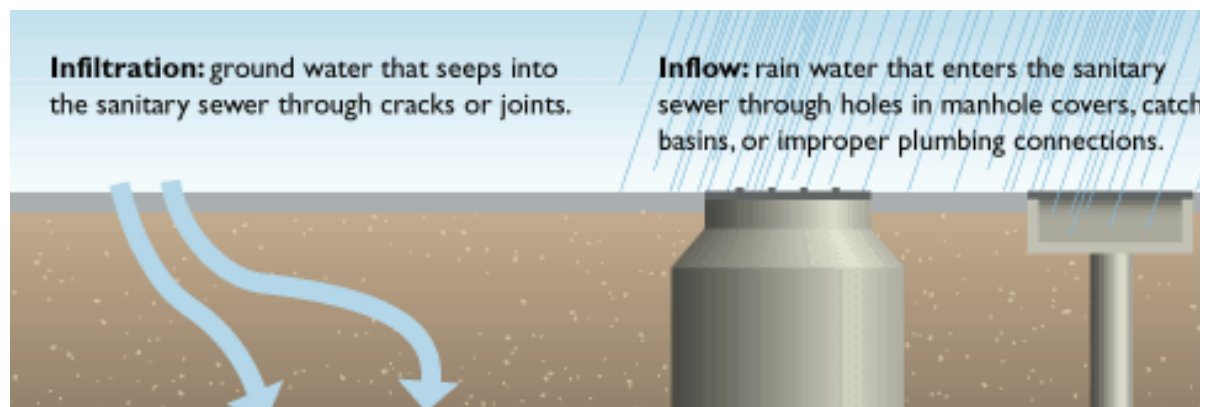
TOTAL COSTS

REQUESTED FUNDING

Sewer Reserve

TOTAL SOURCES

Capital Plan 2015 - 2020						
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
30,000	5,000	5,000	5,000	5,000	5,000	5,000
120,000	20,000	20,000	20,000	20,000	20,000	20,000
150,000	25,000	25,000	25,000	25,000	25,000	25,000
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
150,000	25,000	25,000	25,000	25,000	25,000	25,000
150,000	25,000	25,000	25,000	25,000	25,000	25,000



Capital Plan 2015 - 2020

Sewer Department		S2
PROJECT TITLE	Public Works Facilities and Equipment	13.13

DESCRIPTION

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

BACKGROUND

The Makers Study identified a cost of approximately \$21.4 million for a public works facility to serve the full size Black Diamond City. Capital Facility charges will pay for 80% of the project funding and the Public Works Department's 20% share of that cost is \$4.3 million. The expenses shown below only show the initial expenditures to kick off the project.

COMMENTS

Costs and timing will be depend on the speed of growth in Black Diamond. The PWTF loan will be for 20 years at 1% interest. The payment will be approximately \$(what is the payment for \$20.9 mil @ 1%) split among the utilities; 13% for Street, and 29% each will come from Water, Sewer and Stormwater. The capital facility charge will pay for a portion of the debt service. The land purchase will need a transfer from REET I.

Engineering and Environmental
Property Purchase
Construction Costs
Major Equipment Purchases

TOTAL COSTS

REQUESTED FUNDING

Loan or Bond Funding

Loan or Bond Funding

TOTAL SOURCES

Capital Plan 2015 - 2020						
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
100,000						100,000
500,000					500,000	
0						
0						
600,000	-	-	-	0	500,000	100,000
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
600,000					500,000	100,000
600,000	-	-	-	-	500,000	100,000



Capital Plan 2015 - 2020

Project for the	Sewer Department	#	S3
PROJECT TITLE	Morganville Force Main Reroute		13.12

DESCRIPTION

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

BACKGROUND

This project was programmed to provide capacity for infill in the old part of Black Diamond and save energy from pumping sewage twice. The need has diminished because of King County approval of a regional discharge location in the western part of Black Diamond, additional capacity from obstruction removal on our main trunk line and with the verification excellent pipe condition and capacity of our main trunk line. Consideration may be given to dropping this project, if Infiltration and Inflow can be reduced.

COMMENTS

A Public Works Trust Fund Loan of 20 years generates a debt payment of \$24,382.74 per year at 1%. This project is shifted to later years because of the lower priority as described above.

CAPITAL PROJECT COSTS

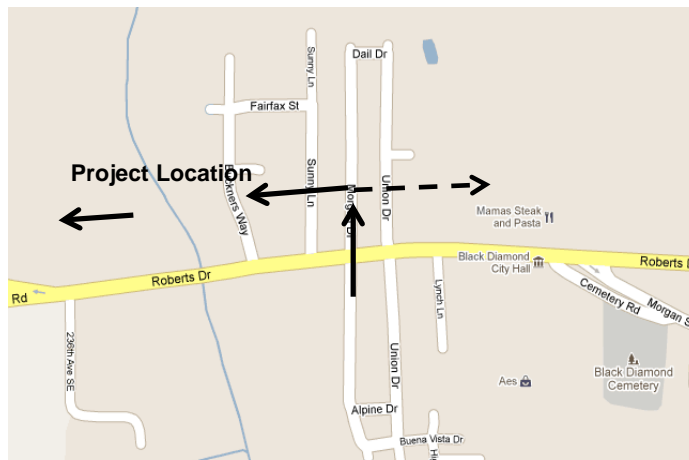
Preliminary Engineering
Design Engineering
Construction Costs
Management / Administration
TOTAL COSTS

Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
20,000					20,000	
40,000						40,000
380,000						380,000
20,000						20,000
460,000	-	-	-	-	20,000	440,000

REQUESTED FUNDING

Sewer Reserve
PWTF Loan
TOTAL SOURCES

Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
20,000	-	-			20,000	-
440,000						440,000
460,000	-	-	-	-	20,000	440,000



Capital Plan 2015 - 2020

Project for the	Sewer Department	#	S4
PROJECT TITLE	Cedarbrook Sewer Main		13.11

DESCRIPTION

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

BACKGROUND

This project is necessary to reduce infiltration and Inflow and to eliminate the maintenance problems caused by the settled sections of sewer main.

COMMENTS

Portions of the existing sewer main will have to be reconstructed and other sections might just be repaired. The budget has been increased to reflect the cost of reconstructing portion of the sewer. A 20 year Public Works Trust Fund Loan will generate a debt payment of \$13,853.83 per year at 1%.

CAPITAL PROJECT COSTS

prelim Engineering & legal
Design Engineering
Construction Costs
Management / Administration
TOTAL COSTS

Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
30,000			30,000			
50,000				50,000		
235,000				235,000		
15,000			5,000	10,000		
330,000	-	-	35,000	295,000	-	-
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
PWTF Loan 330,000	-	-	35,000	295,000	-	-
TOTAL SOURCES 330,000	-	-	35,000	295,000	-	-



Stormwater Department

CAPITAL PROJECT FUNDING SUMMARY

Expenditure Summary by Project

STORMWATER		Capital Plan 2015 - 2020						
Project Name		Total \$ Requested 2015 - 2020	2015	2016	2017	2018	2019	2020
D1	Cov. Creek Culvert; Safety and Salmon Imp.	320,000		70,000	250,000			
D2	North Commercial and SR 169 Stormwater Treatment Pond	870,000		20,000	850,000			
D3	Ginder Creek Headwall	90,000					40,000	50,000
D4	Lawson Hills Estates Storm Pond	60,000		60,000				
ERS	Equipment Replacement	60,000	10,000	10,000	10,000	10,000	10,000	10,000
TOTAL EXPENDITURES		1,400,000	10,000	160,000	1,110,000	10,000	50,000	60,000

Funding Sources

	Total \$ Requested 2015 - 2020						
		2015	2016	2017	2018	2019	2020
GRANTS							
D1 Cov. Creek Culvert; Safety and Salmon Imp.	320,000		70,000	250,000			
D2 North Commercial and SR 169 Stormwater Treatment Pond	850,000			850,000			
Total Ecology Grants	1,170,000		70,000	1,100,000			
GRANT MATCHING							
D2 North Commercial and SR 169 Stormwater Treatment Pond	20,000		20,000				
D3 Ginder Creek Headwall	90,000					40,000	50,000
Total Grant Matching	110,000		20,000			40,000	50,000
STORMWATER FUNDING							
D4 Lawson Hills Estates Storm Pond	60,000		60,000				
Total Stormwater Funding	60,000		60,000				
ERS Equipment Replacement	60,000	10,000	10,000	10,000	10,000	10,000	10,000
TOTAL FUNDING FOR STORMWATER	1,400,000	10,000	160,000	1,110,000	10,000	50,000	60,000

Capital Plan 2015 - 2020

Project for the	Stormwater Department	# D1
PROJECT TITLE	Cov. Creek Culvert; Safety and Salmon Imp.	13.14

DESCRIPTION

Rehabilitate the existing culverts, add a concrete head wall and guard rail. The summer 2012 inspections found the culverts to be structurally sound, but with serious corrosion and pitting in the lower third of the culverts and a few areas where corrosion has opened holes in the culvert. The culverts could be lined to preserve their structural integrity at about a third of the cost of replacement.

BACKGROUND

The three culverts divide the small summer flow leaving only a small amount of water for fish passage. The existing corrugated metal culverts are showing signs of corrosion. The guard rails will protect the environment from errant stray vehicles.

COMMENTS

Grant funding may be available for this project from conservation funds, traffic safety funding and King County Flood District Opportunity Funds.

Design Engineering
Construction
Management / Administration
TOTAL COSTS

Capital Plan 2015 - 2020						
Total \$ Requested 2015 - 2020	2015	2016	2017	2018	2019	2020
65,000		65,000				
240,000			240,000			
15,000		5,000	10,000			
320,000	-	70,000	250,000	-	-	-
Total \$ Requested 2015 - 2020	2015	2016	2017	2018	2019	2020
255,000		55,000	200,000			
50,000			50,000			
15,000		15,000				
320,000	-	70,000	250,000	-	-	-

REQUESTED FUNDING

WRIA 9 Salmon mitigation
traffic safety (TIB)
Opportunity funding (flood)
TOTAL SOURCES



Capital Plan 2015 - 2020

Project for the	Stormwater Department	#	D2
PROJECT TITLE	North Commercial and SR 169 Stormwater Treatment Pond		13.15

DESCRIPTION

Collect storm water runoff from the main commercial area in north Black Diamond and from State Route 169 and route to city property north of the library. Construct a wetpond or vault for pre-treatment followed by constructed wetlands to dispersion trenches for discharge to upland above Ginder Creek.

BACKGROUND

Whereas there is a total maximum daily load (TMDL) on Lake Sawyer for phosphorous, the city should look for opportunities to reduce phosphorous inputs from existing untreated stormwater discharges. Stormwater outfall discharges from the commercial area and the state route appear to have the highest pollutant loadings as compared to other City stormwater outfalls.

COMMENTS

The City obtained a grant from the Department of Ecology to design this project. With a completed design at 90%, the City will have a well defined project and will use the detailed information to improve grant applications.

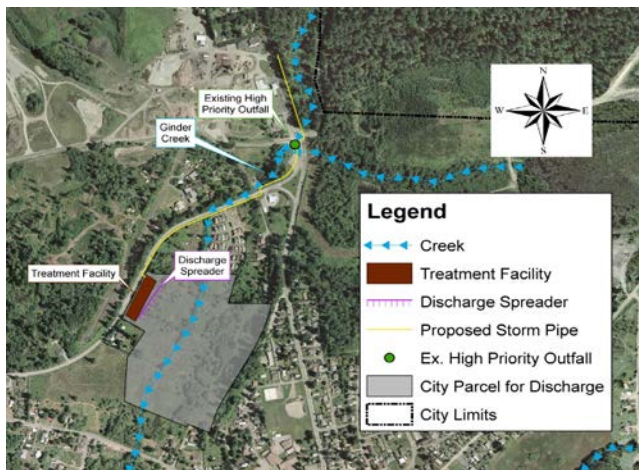
Final Engineering prepare bid docs
Construction
Management / Administration

TOTAL COSTS

SOE Grant
Grant Matching

TOTAL SOURCES

Capital Plan 2015 - 2020						
Total \$ Requested 2015 - 2020	2015	2016	2017	2018	2019	2020
20,000		20,000				
850,000			850,000			
		5,000	35,000			
870,000	-	20,000	850,000	-	-	-
Total \$ Requested 2015 - 2020	2015	2016	2017	2018	2019	2020
850,000			850,000			
20,000		20,000				
870,000	-	20,000	850,000	-	-	-



10/29/14



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Capital Plan 2015 - 2020

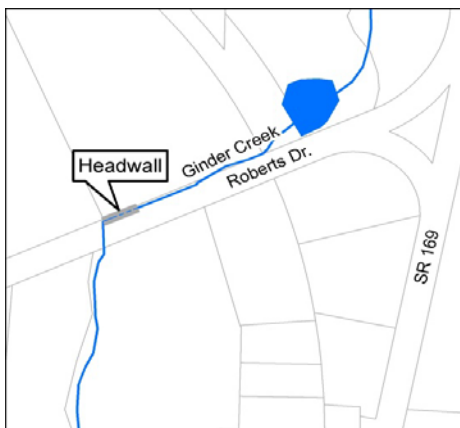
Project for the	Stormwater Department	# D3
PROJECT TITLE	Ginder Creek Headwall	14.16

DESCRIPTION Reconstruct an 80 foot section of the Ginder Creek Headwall along the north side of Roberts Drive

BACKGROUND The base of the existing concrete headwall was not constructed deep enough so that high flows in Ginder Creek have undermined the headwall destabilizing the wall. The headwall has been slowly tilting into the Creek. Staff has braced the headwall as an interim step to hold the wall in position.

COMMENTS This project is needed to protect the roadway and prevent the erosion that would occur if the headwall tipped over. A significant amount of the cost of this project will be related to environmental permitting.

Capital Plan 2015 - 2020						
	Total \$ Requested 2015 - 2020	2015	2016	2017	2018	2019 2020
Preliminary Engineer/Permitting	25,000					25,000
Design Engineering	10,000					10,000
Construction	45,000					45,000
Management / Administration	10,000					5,000 5,000
TOTAL COSTS	90,000	-	-	-	-	40,000 50,000
	Total \$ Requested 2015 - 2020	2015	2016	2017	2018	2019 2020
Grant Matching	90,000					40,000 50,000
TOTAL SOURCES	90,000	-	-	-	-	40,000 50,000



Capital Plan 2015 - 2020

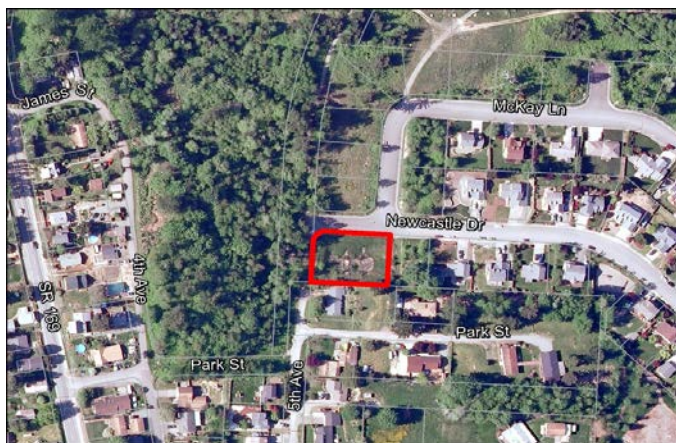
Project for the	Stormwater Department	# D4
PROJECT TITLE	Lawson Hills Estates Storm Pond	15.01

DESCRIPTION Reconstruct the maintenance access road to the first cell of this pond including: 1) reconfiguration of the sidewalk and approach from the road, 2) Reconstruction of the gate and fence, 2) Constructing a road to the center dike, 3) constructing an access road to the pond bottom.

BACKGROUND After the City inspection of the storm pond in 2013, it was noted that the first cell of the pond needed to be cleaned out. The maintenance crews scheduled the work but found it impossible to access and at best will be extremely expensive every time the cell needs to be cleaned. The crew recommended programming pond access improvements into the CIP.

COMMENTS

Capital Plan 2015 - 2020						
Total \$ Requested 2015 - 2020	2015	2016	2017	2018	2019	2020
In house Design/ mngmt		10,000				
Construction		40,000				
Management / Administration		10,000				
TOTAL COSTS	60,000	60,000	-	-	-	-
Total \$ Requested 2015 - 2020	2015	2016	2017	2018	2019	2020
Stormwater funds		60,000				
TOTAL SOURCES	60,000	60,000	-	-	-	-



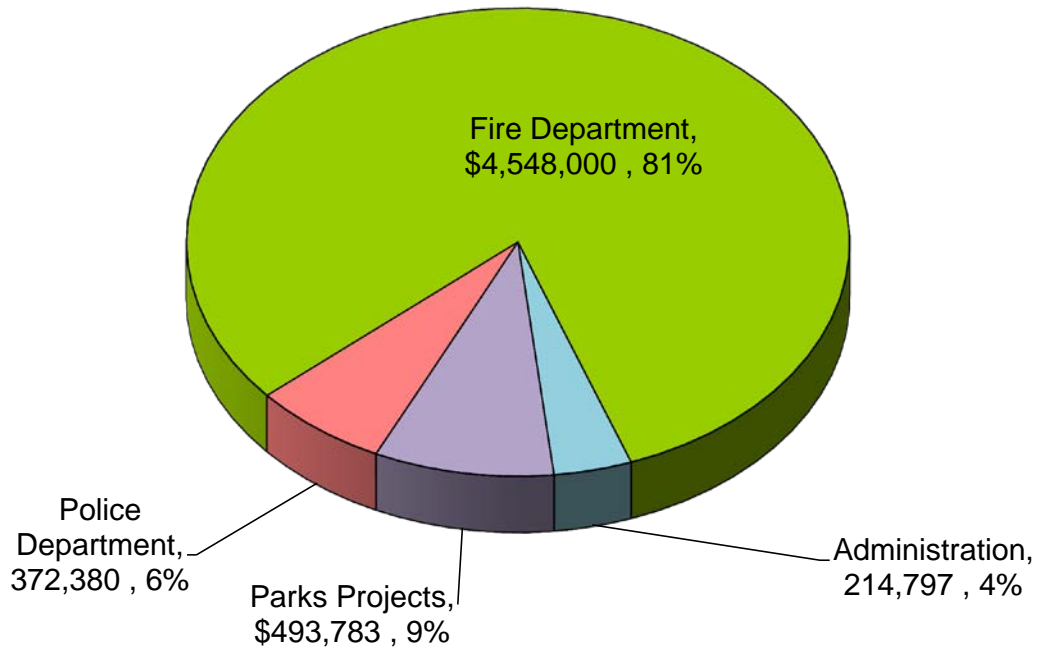
General Government Department Summary

Capital Improvement Plan 2015 - 2020

	Total \$ Project 2015 - 2020	2015	2016	2017	2018	2019	2020
Parks Department	493,783	82,783	10,500	32,000	26,500	79,000	263,000
Public Safety							
Police Department (incl Tech)	372,380	36,290	37,041	73,551	67,018	77,339	81,141
Fire Department	4,548,000	385,000	20,000	18,000	125,000	4,000,000	-
Subtotal	4,920,380	421,290	57,041	91,551	192,018	4,077,339	81,141
General Government							
City Technology (not Police)	189,797	33,909	30,068	31,418	35,959	29,184	29,259
Reroof Police Building	25,000	-	-	-	25,000	-	-
Subtotal	214,797	33,909	30,068	31,418	60,959	29,184	29,259
TOTAL Projected Expenditures	\$ 5,628,960	\$ 537,982	\$ 97,608	\$ 154,969	\$ 279,478	\$ 4,185,523	\$ 373,400

General Government CIP by Type of Funding Total:

\$5,628,960



Capital Improvement Plan 2015 - 2020								
CIP General Government Summary of Projects								
		Total \$ Project 2015 - 2020	2015	2016	2017	2018	2019	2020
POLICE PROJECTS								
L1	Police Technology	135,811	26,990	24,641	12,455	17,105	26,178	28,444
L2	Patrol Car Replacement Plan	202,469			48,696	49,914	51,162	52,697
L3	Police Radio Replacement	34,100	9,300	12,400	12,400			
TOTAL POLICE PROJECTS		372,380	36,290	37,041	73,551	67,018	77,339	81,141
FIRE DEPARTMENT PROJECTS								
F1	Replace Primary Fire Engine 98	365,000	365,000					
F2	Replace Reserve Engine	600,000					600,000	
F3	Replace Aid Car	225,000					225,000	
F4	Replace Brush Truck Chassis	85,000					85,000	
F5	New Fire Station and Equipment (Growth)	3,215,000				125,000	3,090,000	
F6	Replace SCBA Bottles (Air Bottles)	58,000	20,000	20,000	18,000			
TOTAL FIRE PROJECTS		4,548,000	385,000	20,000	18,000	125,000	4,000,000	
PARKS PROJECTS								
P1	Ginder Creek Trail and Site Restoration	31,283	31,283					
P2	Grant Matching Funds	35,000	2,500	2,500	5,000	5,000	10,000	10,000
P3	Tree Planting Program	84,500	2,000	1,000	20,000	14,500	22,000	25,000
P4	Regional Trail System	240,000					40,000	200,000
P5	Lake Sawyer Mitigation Bank Improvements	10,000						10,000
P6	Pond to Parks Improvement (Eagle Creek)	11,000						11,000
P7	Parks Equipment and Upgrades	42,000	7,000	7,000	7,000	7,000	7,000	7,000
P8	Park's Plan Update	40,000	40,000					
TOTAL PARKS PROJECTS		493,783	82,783	10,500	32,000	26,500	79,000	263,000
ADMINISTRATION & CITY PROJECTS								
A1	City Technology Upgrades	189,797	33,909	30,068	31,418	35,959	29,184	29,259
A2	Reroof Police Building	25,000				25,000		
TOTAL ADMINISTRATION & CITY PROJECTS		214,797	33,909	30,068	31,418	60,959	29,184	29,259
TOTAL GENERAL GOVT CAPITAL PROJECTS		5,628,960	537,982	97,608	154,969	279,478	4,185,523	373,400

CIP General Government FUNDING Summary (Continued)								
Capital Improvement Plan 2013 - 2018		Total \$ Project 2015 - 2020	2015	2016	2017	2018	2019	2020
REET I FUNDING								
L1	Police Technology	135,811	26,990	24,641	12,455	17,105	26,178	28,444
L2	Patrol Car Replacement Plan	202,469			48,696	49,914	51,162	52,697
P2	Grant Matching Funds	35,000	2,500	2,500	5,000	5,000	10,000	10,000
P5	Lake Sawyer Mitigation Bank Improvements	10,000						10,000
P7	Parks Equipment and Upgrades	42,000	7,000	7,000	7,000	7,000	7,000	7,000
A1	City Technology Upgrades	189,797	33,909	30,068	31,418	35,959	29,184	29,259
A2	Reroof Police Building	25,000				25,000		
Total REET I Funding for Gen Govt CIP PROJECTS		640,077	70,399	64,208	104,569	139,978	123,523	137,400
PROJECT FUND BALANCE FUNDING								
L3	Police Radio Replacement	34,100	9,300	12,400	12,400			
F6	Replace SCBA Bottles (Air Bottles)	58,000	20,000	20,000	18,000			
Total Project Fund Balance Use		92,100	29,300	32,400	30,400			
LOANS TO FINANCE PROJECTS								
F1	Engine 98 Replace (10 yr)	240,000	240,000					
Total Loans to Finance Projects		240,000	240,000					
FUNDING FROM GROWTH OR BOND SALES								
F3	Replace Aid Car (12 yr)	225,000					225,000	
F4	Replace Brush Truck Chassis (5 yr)	82,000					82,000	
F2	Replace Reserve Engine	600,000					600,000	
F5	New Fire Station and Equipment	3,215,000				125,000	3,090,000	
Total Funding from Growth or Bond Sales		4,122,000				125,000	3,997,000	
FUNDING FROM SURPLUS SALES								
F1	Replace Engine 98 (Surplus Funding)	125,000	125,000					
F4	Brush Truck Chassis (Surplus Funding)	3,000					3,000	
Total Funding From Surplus Sales		128,000	125,000				3,000	
KING COUNTY CONSERVATION DISTRICT FUNDING								
P6	Pond to Parks Improvement (Eagle Creek)	11,000						11,000
Total King County Conservation District Funding		11,000						11,000
KING COUNTY PARKS & RECREATION COST SHARE								
P5	Regional Trail System	200,000						200,000
Total KC Parks & Recreation Cost Share		200,000						200,000
TREE MITIGATION FUND								
P3	Tree Planting Program	84,500	2,000	1,000	20,000	14,500	22,000	25,000
Total Tree Mitigation Fund		84,500	2,000	1,000	20,000	14,500	22,000	25,000
COUNTY TAX LEVY FOR PARKS								
P1	Ginder Creek Trail and Site Restoration	31,283	31,283					
P4	Regional Trail System	40,000					40,000	
Total County Levy Fund		71,283	31,283				40,000	
UNKNOWN FUNDING SOURCE								
P8	Park's Plan Update	40,000	40,000					
TOTAL GENERAL GOVT CAPITAL PROJECTS		5,628,960	537,982	97,608	154,969	279,478	4,185,523	373,400
LOAN PAYMENTS REET I								
F1	Replace Primary Fire Engine 98	96,538		19,308	19,308	19,308	19,308	19,308
LOAN PAYMENTS Fire Impact Fees								
F1	Replace Primary Fire Engine (2000)	50,000		10,000	10,000	10,000	10,000	10,000
Total Funding for Loan Payments (not in total)		146,538		29,308	29,308	29,308	29,308	29,308

REET I ANALYSIS SUMMARY (Fund 310)

Capital Improvement Plan 2015 - 2020

REET I - REVENUE		Capital Improvement Plan 2015 - 2020					
	Total \$ Project 2015 - 2020	2015	2016	2017	2018	2019	2020
Beg Fund Balance 104	187,770	187,770	179,871	153,355	95,417	6,756	(48,075)
REET Revenue (annual)							
1/4 of 1% REET - Existing Property	450,938	59,500	63,000	68,438	75,000	90,000	95,000
1/4 of 1% REET - Other new homes	37,125	3,000	4,000	7,500	5,625	8,000	9,000
Subtotal REET I Revenue	488,063	62,500	67,000	75,938	80,625	98,000	104,000
Reet II Transfer							
TOTAL Avail. Balance for Gen Govt Projects	675,833	250,270	246,871	229,293	176,042	104,756	55,925
REET I - PROJECT EXPENDITURES		Capital Improvement Plan 2015 - 2020					
	Total \$ Project 2015 - 2020	2015	2016	2017	2018	2019	2020
General Government							
A1 City Technology Upgrades	189,797	33,909	30,068	31,418	35,959	29,184	29,259
A2 Reroof Police Building	25,000				25,000		
Subtotal General Government	214,797	33,909	30,068	31,418	60,959	29,184	29,259
Parks							
P2 Grant Matching Funds	35,000	2,500	2,500	5,000	5,000	10,000	10,000
P5 Lake Sawyer Mitigation Bank Improvements	10,000						10,000
P7 Parks Equipment and Upgrades	42,000	7,000	7,000	7,000	7,000	7,000	7,000
Subtotal Parks	87,000	9,500	9,500	12,000	12,000	17,000	27,000
Public Safety							
L1 Police Technology	135,811	26,990	24,641	12,455	17,105	26,178	28,444
L2 Patrol Car Replacement Plan	202,469			48,696	49,914	51,162	52,697
Total Public Safety	338,280	26,990	24,641	61,151	67,018	77,339	81,141
Total REET I Projects	640,077	70,399	64,208	104,569	139,978	123,523	137,400
Total REET I Debt	146,538		29,308	29,308	29,308	29,308	29,308
TOTAL REET I	786,615	70,399	93,516	133,876	169,285	152,831	166,708
REET I left for next year (Ending Balance)	(110,782)	179,871	153,355	95,417	6,756	(48,075)	(110,782)
REET based on Houses sold		2015	2016	2017	2018	2019	2020
Existing Property Sales (in 000's)		62 @\$250	75 @\$255	85 @\$260	95 @\$265	120 @\$270	140 @\$275
Other new home sales (in 000's)		5 @\$250	10 @\$255	10 @\$260	11 @\$265	12 @\$270	17 @\$275

Police Department

CAPITAL PROJECT SUMMARY

		Capital Plan 2015 - 2020					
Project Title	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
L1 Police Technology	127,411	26,590	24,241	6,055	16,705	25,778	28,044
L2 Patrol Car Replacement Plan	296,977	47,000	47,509	48,696	49,914	51,162	52,697
POLICE DEPT TOTAL EXPENDITURES	424,389	73,590	71,749	54,751	66,618	76,939	80,741
Funding Sources							
<i>REQUESTED FUNDING</i>	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
REET I							
L1 Police Technology	127,411	26,590	24,241	6,055	16,705	25,778	28,044
L2 Patrol Car Replacement Plan	296,977	47,000	47,509	48,696	49,914	51,162	52,697
TOTAL FUNDING FOR POLICE PROJECTS	424,389	73,590	71,749	54,751	66,618	76,939	80,741

Capital Plan 2015 - 2020

Project for **Police Department** # **L1**

PROJECT TITLE **Police Technology**

DESCRIPTION Variety of technology for Police including PC purchases, network upgrades for hardware and software, and replacement of radios, printers and copiers.

COMMENTS Laptops for all officers. General technology needs in years after.

CAPITAL PROJECT COSTS

Laptops - Replacements

PC Software

Networking Hardware

TOTAL COSTS

REQUESTED FUNDING

REET I

TOTAL SOURCES

Capital Plan 2015 - 2020						
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
83,203	17,458	14,735	4,085	14,735	17,458	14,735
21,508	2,033	6,506	1,970	1,970	2,020	7,010
22,700	7,100	3,000	-	-	6,300	6,300
127,411	26,590	24,241	6,055	16,705	25,778	28,044
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
127,411	26,590	24,241	6,055	16,705	25,778	28,044
127,411	26,590	24,241	6,055	16,705	25,778	28,044



Servers, Routers and Laptops

Black Diamond Police

4/7/2014

5 Year CIP - Equipment rotation and replacement

Description	Cost Each	PC w/ software	2015	2016	2017	2018	2019	2020
Total Desktop 2013			5	5	5	5	5	5
Total MDC - Rugged 2013			8	9	9	9	9	9

Replacement Desktop			2		3		2	
Replacement MDC			3	3		3	3	3

Hardware

Desktop -	\$	800.00	\$	1,361.50	\$ 2,723.00	\$ 4,084.50	\$ 2,723.00	
MDC - Includes O/S	\$	4,500.00	\$	4,911.50	\$ 14,734.50	\$ 14,734.50	\$ 14,734.50	\$ 14,734.50

Software

Netmotion (wireless MDC CI Annual fee -	\$	31.00	\$	248.00	\$ 279.00	\$ 279.00	\$ 279.00	\$ 279.00
Office (Includes word, excel, One-time outlook, powerpoint, publisher, access)	\$	324.00		\$ 4,536.00				\$ 4,989.60
Windows (Operating System One-time	\$	150.00						
AMP (helpdesk software) Annual Cost	\$	22.50	\$	292.50	\$ 315.00	\$ 315.00	\$ 315.00	\$ 315.00
Anti-Virus Protection Annual Cost	\$	34.00	\$	442.00	\$ 476.00	\$ 476.00	\$ 476.00	\$ 476.00
Smartnet Warranty - Router Annual Cost	\$	150.00	\$	450.00	\$ 300.00	\$ 300.00	\$ 300.00	\$ 325.00
Server Warranty - All expires Annual Cost	\$	300.00	\$	600.00	\$ 600.00	\$ 600.00	\$ 600.00	\$ 625.00

Network Hardware and Software

Server (Includes 4 year warranty)	\$	6,000.00	\$	6,000.00				\$ 6,300.00
Firewall		2,500.00					\$ 2,625.00	
Wireless	\$	1,100.00	\$	1,100.00				
Switches - 48 Port	\$	3,500.00					\$ 3,675.00	
Firewall/VPN Concentrator	\$	2,200.00						
Router	\$	3,000.00		\$ 3,000.00				
Backup	\$	1,500.00						
(Court router end of life - Seek AOC Funding)	\$	3,000.00						
Phones								

Unknown Other

Video/ Audio/ Mobile Device

Industry Standard Hardware Rotation	Cost
Desktop - Monitor, mouse, k 3 years	\$ 800.00
MDC - Rugged 5 years	\$ 4,500.00
Servers 5 years	\$ 6,000.00
Network - Firewalls/ Switches 6 years	\$ 3,500.00
Backup Tape Drive 5 years	\$ 1,500.00

CIP 2015-2020	2015	2016	2017	2018	2019	2020
	\$ 26,590.00	\$ 24,240.50	\$ 6,054.50	\$ 16,704.50	\$ 25,777.50	\$ 28,044.10

Considerations -

SPILLMAN

Spillman Server Replacement Option A	\$12,000	Current server is end of life, and end of support. Any repairs or failure would be "best case repair"
Auburn Shared Option B	\$10,000	Includes license to create a separate partition for Black Diamond and would be \$600 annually in support
Optional data migration cost Option B/C	\$42,000	Above option does not include migrating current or existing information although server could be managed separately
Phone System Upgrades	\$15,000	without support if necessary
Future staffing, and equipment rotation addition		
Netmotion Server hosted by Option A	\$per license	This would replace the existing server and Auburn would host at actual cost. Currently, BDPD owns server which is
Netmotion Server Hardware Option B	\$12,000	end of life and support.

Capital Plan 2015 - 2020

Project for the	Police Department	#	L2
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PROJECT TITLE Patrol Car Replacement Plan

DESCRIPTION

The City has created and maintained a vehicle replacement plan with planned expenditures for patrol cars in an effort to replace aging patrol cars before becoming too expensive to maintain and to assure officer safety.

BACKGROUND

This rotation plan will allow the force to spend more time on the street and less time delivering them for repairs and maintenance. Two existing cars will be converted to Police Vehicles in 2014. This will delay future replacement until 2017.

CAPITAL PROJECT COSTS

Capital Outlay

TOTAL COSTS

REQUESTED FUNDING

REET I

REET II

PW Trust Fund

Capital Reserves

TOTAL SOURCES

Capital Plan 2015 - 2020						
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
296,977	47,000	47,509	48,696	49,914	51,162	52,697
296,977	47,000	47,509	48,696	49,914	51,162	52,697
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
296,977	47,000	47,509	48,696	49,914	51,162	52,697
-						
-						
-						
296,977	47,000	47,509	48,696	49,914	51,162	52,697

Replacement Schedule

Car 20

Car 23

Car 27

Car 28

Car 29

Car 22

	2015	2016	2017	2018	2019	2020
2006 Blk/White	47,000					
2007 Black			48,696			
2007 Black		47,509				
2008 Black/White				49,914		
2009 Black/White					51,162	
2009 Black/White						52,697



Police Vehicles and Replacement Schedule																						
Police Vehicles		MODEL	VIN #	Mileage									2012 Ins Value		Rolling Average							
#	License	YEAR			Jan 2008	Jan 2009	April 2010	March 2011	March 2012	March 2013	March 2014	Last Year Mileage	ASSIGNED	includes Equipment	Years in Service	Mileage Projected	2015	2016	2017	2018	2019	2020
30	54094D	2012 K-9 Tahoe	Chev Tahoe	16NLC2E05CR227457						13034	28121	15,087	Chatterson	44,000	2	15,087	43,208	58,295	73,382	88,469	103,556	118,643
20	42030D	2006 Blk/White	Ford C/V	2FAHP71W96X152580	40,000	46,500	52,120	67,283	79,800	90,164	93526	3,362	Ross	21,800	8	15,000	108,526	15,000	30,000	45,000	60,000	75,000
22	43927D	2007 Black	Dodge Charger	2B3LA43H27H818033	30,100	40,056	43,500	55,000	72,300	82,644	90000	7,356	Kiblinger	23,500	7	9,983	99,983	109,967	119,950	129,933	139,917	149,900
24	46801D	2008 Black/White	Dodge Charger	2B3LA43H98H255032	10,300	17,700	19,300	29,000	34,500	46,856	53200	6,344	Martinez	24,530	6	7,150	60,350	67,500	74,650	81,800	88,950	96,100
23	45553D	2007 Black	Dodge Charger	2B3LA43H27H818034	16,500	30,600	36,670	51,860	69,913	77,300	84000	6,700	Goral	24,775	7	11,250	95,250	106,500	117,750	11,250	22,500	33,750
27	47720D	2009 Blk/White	Dodge Charger	2B3LA43T09H590203	2,010	11,221	13,800	32,048	45,300	65,523	81942	16,419	Lynch	25,460	6	16,419	98,361	114,780	16,419	32,838	49,257	65,676
28	49285D	2009 Blk/White	Dodge Charger	2B3LA43T29H590204	888	10,900	15,101	26,832	39,200	55,519	69334	13,815	Macdonald	25,460	6	13,815	83,149	96,964	110,779	124,594	13,815	27,630
29	54171D	2011 B/W	Chev Tahoe	1GNLC2E03BR245096				3,000	14,500	32,163	47107	14,944	Tapec	43,000	3	14,944	62,051	76,995	91,939	106,883	121,827	14,944
Total Police Patrol Vehicles														\$ 2,076,620		Cip Timeframe						

Capital Plan 2015 - 2020

Project for	Police Department	#	L3
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PROJECT TITLE	Police Radio Replacement
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DESCRIPTION

Portable Radio Replacements to replace 20 year old radios with the 2015 750 MegaHertz update requirement.

COMMENTS

Funds have been set aside to replace 12 radios. King County may pass a bond issue in November 2014 to fund the city costs and free up the \$34,100 of REET 1 funds.

CAPITAL PROJECT COSTS

Portable Radio-Replacements

TOTAL COSTS

Total Units Replaced.....

REQUESTED FUNDING

Beginning Fund Balance

TOTAL SOURCES

Capital Plan 2015 - 2020						
2014 Beginning Fund Balance	2015	2016	2017	2018	2019	2020
34,100	9,300	12,400	12,400			
34,100	9,300	12,400	12,400	-	-	-
	1	3	4	4		
2014 Beginning Fund Balance	2015	2016	2017	2018	2019	2020
34,100	9,300	12,400	12,400		-	-
34,100	9,300	12,400	12,400	-	-	-

Fire Department

CAPITAL PROJECT SUMMARY

Expenditure Summary by Project

Project Title	Capital Plan 2015 - 2020						
	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
F1 Replace Primary Fire Engine 98	365,000	365,000					
F2 Replace Reserve Engine	600,000					600,000	
F3 Replace Aid Car	225,000					225,000	
F4 Replace Brush Truck Chassis	85,000					85,000	
F5 New Fire Station and Equipment (Growth)	3,215,000				125,000	3,090,000	
F6 Replace SCBA Bottles (Air Bottles)	58,000	20,000	20,000	18,000			
TOTAL EXPENDITURES	4,548,000	385,000	20,000	18,000	125,000	4,000,000	

Funding Sources

Loans to Finance Projects							
F1 Engine 98 Replace (10 yr)	240,000	240,000					
TOTAL LOANS	240,000	240,000					
Funding From Growth or Bond Sales							
F3 Replace Aid Car (12 yr)	225,000					225,000	
F4 Replace Brush Truck Chassis (5 yr)	82,000					82,000	
F2 Replace Reserve Engine	600,000					600,000	
F5 New Fire Station and Equipment	3,215,000				125,000	3,090,000	
TOTAL FROM GROWTH OR BOND SALES	4,122,000				125,000	3,997,000	
Funding From Surplus Sales							
F1 Replace Engine 98 (Surplus Funding)	125,000	125,000					
F4 Brush Truck Chassis (Surplus Funding)	3,000					3,000	
TOTAL SURPLUS SALES	128,000	125,000				3,000	
Funding From Beginning Fund Balance							
F6 Replace SCBA Bottles (Air Bottles)	58,000	20,000	20,000	18,000			
TOTAL FUND BALANCE USE	58,000	20,000	20,000	18,000			
FIRE DEPT SUBTOTAL	4,548,000	385,000	20,000	18,000	125,000	4,000,000	
Loans to Finance Projects							
REET I							
F1 Engine 98 Replace (Loan Payment 10 yr)	96,538		19,308	19,308	19,308	19,308	19,308
Fire Impact Fees							
F1 Replace Primary Fire Engine (2000)	50,000		10,000	10,000	10,000	10,000	10,000
Total Debt Service Payments	146,538		29,308	29,308	29,308	29,308	29,308
TOTAL FIRE PROJECTS	4,694,538	385,000	49,308	47,308	154,308	4,029,308	29,308

Capital Plan 2015 - 2020

Project for the

Fire Department

F1

PROJECT TITLE

Replace Primary Fire Engine (2000)

DESCRIPTION

This project replaces the newest engine in the fleet with a suitable, demo pumper having better long-term maintenance prospects.

BACKGROUND

The present vehicle experienced a major mechanical malfunction during 2010 annual service testing. Repairs cost over \$21,000 and required more than four months to complete. Only one service center bid on the overhaul because of difficulties obtaining replacement parts.

COMMENTS

The Fire Maintenance Supervisor recommends replacing the current pumper now with a 3 to 4 year old used one, to offset the higher cost of replacement. A State sponsored loan is one means of funding this project. Cost projections below are based on 5% interest rate over a 10 year term.

CAPITAL PROJECT COSTS

Capital Outlay

TOTAL COSTS

REQUESTED FUNDING

Loan Plan

Surplus Equipment Sale

TOTAL SOURCES

NON CAPITAL OPERATING COSTS

REET I Debt Repay (10yr @5%)

Fire Impact Fee (10yr @5%)

TOTAL OPERATING

Capital Plan 2015 - 2020							
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020	
Capital Outlay	365,000	365,000					
TOTAL COSTS	365,000	365,000	-	-	-	-	-
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020	
Loan Plan	240,000	240,000					
Surplus Equipment Sale	125,000	125,000					
TOTAL SOURCES	365,000	365,000	-	-	-	-	-
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020	
REET I Debt Repay (10yr @5%)	96,538	19,308	19,308	19,308	19,308	19,308	
Fire Impact Fee (10yr @5%)	50,000	10,000	10,000	10,000	10,000	10,000	
TOTAL OPERATING	96,538	19,308	19,308	19,308	19,308	19,308	19,308



Capital Plan 2015 - 2020

Project for the **Fire Department** # **F2**

PROJECT TITLE **Replace Reserve Engine**

DESCRIPTION

Replace reserve engine # 981 and extend the service life of front-line engine.

BACKGROUND

Engine 981 is a Pierce brand engine custom built for Kent Fire in 1986. The City later purchased this engine used. It has more than 155,000 miles on the odometer and 12,000 hours in use.

COMMENTS

Replacement of the Fire Engine and Station will require growth from REETI and Fire Impact Fee Revenue or Bond Sales Revenue.

Capital Plan 2015 - 2020						
CAPITAL PROJECT COSTS	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019 2020
Capital Outlay	600,000					600,000
TOTAL COSTS	600,000	-	-	-	-	600,000 -
REQUESTED FUNDING	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019 2020
Growth or Bond Sales	600,000					600,000 -
TOTAL SOURCES	600,000	-	-	-	-	600,000 -



Engine #981

Capital Plan 2015 - 2020

Project for the

Fire Department

F3

PROJECT TITLE

Replace Aid Car

DESCRIPTION

Replace Aid 98 to provide reliable patient transport capability.

BACKGROUND

Aid 98 is a 1994 Ford purchased by City surplus from King County Medic One. This vehicle shows over 143,160 miles. This is the only aid car owned by the City and maintenance costs are expected to increase with age in continued front-line use.

COMMENTS

At the estimated cost of \$225,000, a twelve year loan assuming a 5% interest rate would be \$24,972 per year.

CAPITAL PROJECT COSTS

Capital Outlay

TOTAL COSTS

REQUESTED FUNDING

Growth or Bond Sales

TOTAL SOURCES

Capital Plan 2015 - 2020						
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
225,000				-	225,000	
225,000	-	-	-	-	225,000	-
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
225,000				-	225,000	-
225,000	-	-	-	-	225,000	-



Aid Car 98



Capital Plan 2015 - 2020

Project for the	Fire Department	#	F4
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PROJECT TITLE	Replace Brush-Truck Chassis
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DESCRIPTION

Replace chassis of Brush 98 to improve safety and increase the usefulness of the vehicle. The standard chassis is too small, allowing only a half fill.

BACKGROUND

Present vehicle, while relatively new and low mileage, exceeds manufacturers gross vehicle weight when fully loaded with water. A heavier duty chassis increases the quantity of water safely carried by the vehicle and the "Class A" foam system improves efficiency of the water used.

COMMENTS

Selling the present chassis as surplus equipment helps offset the estimated \$85,000 project cost which includes 5 years of financing at 5% interest rate through the State LOCAL loan Plan.

CAPITAL PROJECT COSTS

Capital Outlay

TOTAL COSTS

REQUESTED FUNDING

Growth or Bond Sales

Surplus Sale of Equip.

TOTAL SOURCES

Capital Plan 2015 - 2020						
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
85,000					85,000	
85,000	-	-	-	-	85,000	-
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
82,000					82,000	
3,000					3,000	
85,000	-	-	-	-	85,000	-



Example of a Brush Truck with Chassis

Capital Plan 2015 - 2020

Project for the

Fire Department

#

F5

PROJECT TITLE

New Fire Station and Equipment - Growth Related

DESCRIPTION

Provide a satellite fire station sited and equipped to enhance fire and emergency medical service delivery in the community. This initiative begins with a site location study, proceeds to construct the station, and ends with a complement of essential equipment in service at the new facility.

BACKGROUND

Service needs within the community will change with growth. This project seeks to determine the optimal location, build approximately 8,000 square feet of fire station at \$405 per square foot within the next six year at a cost of approximately \$3,240,000. Additional growth related equipment of a Fire Pumper, Aid Car, Brush Truck, & Support Vehicle will be needed in later years after more growth has occurred. Land costs are not included and could add approximately \$750,000 if the station is not built on existing City property.

COMMENTS

CAPITAL PROJECT COSTS

Preliminary Engineering
Construction Engineering
Design Engineering
Construction Costs (bldg)

TOTAL COSTS

REQUESTED FUNDING

Bond Sales
REET I

TOTAL SOURCES

Capital Plan 2015 - 2020						
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
Preliminary Engineering	-			75,000		
Construction Engineering	70,000	-		-	70,000	
Design Engineering	120,000			50,000	70,000	
Construction Costs (bldg)	2,950,000				2,950,000	
TOTAL COSTS	3,215,000	-	-	125,000	3,090,000	-
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
Bond Sales	3,215,000			125,000	3,090,000	
REET I	-					
TOTAL SOURCES	3,215,000	-	-	125,000	3,090,000	-



New Fire
Station 96

Capital Plan 2015 - 2020

Project for the **Fire Department** # **F6**

PROJECT TITLE **Replace SCBA Bottles (Air Bottles)**

DESCRIPTION Replace Existing Self Contained Breathing Apparatus Air Bottles.

BACKGROUND

Firefighters are required by WAC 296.305 to wear self-contained breathing apparatus (SCBA's) when entering hazardous atmospheres. A central feature of these SCBA's is a compressed air cylinder to supply fresh breathing air to the firefighter working in such an environment. The manufacture, use and maintenance of these cylinders are subject to Department of Transportation (DOT) regulation under Title 49, Code of Federal Regulations. The City owns twenty-four SCBA's and forty-four cylinders. The carbon fiber reinforced aluminium SCBA cylinders, like Black Diamond's, commonly used in the fire service have a fifteen year service life measured from the manufacture date. These cylinders were purchased with new SCBA's under a federal grant program and were pressure tested at five year intervals. All of these cylinders will reach the end of their service lives by 2017. This program will replace all forty-four cylinders over a three year period. Twelve cylinders will be replaced in 2015. Replacement of the remaining cylinders will occur during the following two years. Current pricing is \$1,200 per cylinder.

COMMENTS

CAPITAL PROJECT COSTS

Capital Outlay

TOTAL COSTS

REQUESTED FUNDING

Beginning Fund Balance

TOTAL SOURCES

Capital Plan 2015 - 2020						
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
58,000	20,000	20,000	18,000	-		
58,000	20,000	20,000	18,000	-	-	-
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
58,000	20,000	20,000	18,000	-		-
58,000	20,000	20,000	18,000	-	-	-



NR/Parks Department

CAPITAL PROJECT SUMMARY

Expenditure Summary by Project							
Project Name	Capital Plan 2015 - 2020						
	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
P1 Ginder Creek Trail and Site Restoration	31,283	31,283					
P2 Grant Matching Funds	35,000	2,500	2,500	5,000	5,000	10,000	10,000
P3 Tree Planting Program	84,500	2,000	1,000	20,000	14,500	22,000	25,000
P4 Regional Trail System	240,000					40,000	200,000
P5 Lake Sawyer Mitigation Bank Improvements	10,000						10,000
P6 Pond to Parks Improvement (Eagle Creek)	11,000						11,000
P7 Parks Equipment and Upgrades	42,000	7,000	7,000	7,000	7,000	7,000	7,000
P8 Park's Plan Update	40,000	40,000					
TOTAL PLANNED EXPENDITURES	493,783	82,783	10,500	32,000	26,500	79,000	263,000
Funding Sources							
	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
King County Parks and Recreation Cost Share							
P5 Regional Trail System	200,000						200,000
Total KC Parks and Recreation Cost Share	\$200,000						\$200,000
King County Parks Property Tax Levy Funds							
P1 Ginder Creek Trail and Site Restoration	31,283	31,283					
P4 Regional Trail System	40,000					40,000	
Total King County Parks Levy Fund	\$71,283	\$31,283				\$40,000	
Tree Mitigation (General) Fund							
P3 Tree Planting Program	84,500	2,000	1,000	20,000	14,500	22,000	25,000
Total Tree Mitigation Fund	\$84,500	\$2,000	\$1,000	\$20,000	\$14,500	\$22,000	\$25,000
King Conservation District Grant							
P6 Pond to Parks Improvement (Eagle Creek)	11,000						11,000
Total KCD Grant	\$11,000						\$11,000
REET I Funds							
P2 Grant Matching Funds	35,000	2,500	2,500	5,000	5,000	10,000	10,000
P5 Lake Sawyer Mitigation Bank Improvements	10,000						10,000
P7 Parks Equipment and Upgrades	42,000	7,000	7,000	7,000	7,000	7,000	7,000
Total REET I Funding	\$87,000	\$9,500	\$9,500	\$12,000	\$12,000	\$17,000	\$27,000
Unknown Funding Source							
P8 Park's Plan Update	40,000	40,000					
Total Unknown Funding Source	\$40,000	\$40,000					
TOTAL NR/PARKS PROJECT FUNDING	\$493,783	\$82,783	\$10,500	\$32,000	\$26,500	\$79,000	\$263,000
Ongoing Maintenance and Operating Costs							
	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
Maintenance Salaries (REET I)	30,000	5,000	5,000	5,000	5,000	5,000	5,000
Total Trail Maintenance (Salaries)	30,000	5,000	5,000	\$5,000	\$5,000	\$5,000	\$5,000

Capital Plan 2015 - 2020

Project for the
PROJECT TITLE

NR/Parks Department
Ginder Creek Trail and Site Restoration

P1

Description

Design and Construct a 1400 foot long 10 feet wide multi purpose trail and a small parking lot on Roberts Drive.

Background

The City acquired the Ginder Creek parcel as a component to the Open Space Agreement signed in 2005. Initial planning efforts, work with the City Council, as well as Public input, has steered the NR/Parks Department towards trail development as well as habitat improvements along the Ginder Creek corridor. This area has historically been used for agricultural activities, but has since remained fallow, with the proliferation of invasive Reed Canary Grass.

CAPITAL PROJECT COSTS

Property Easment
Construction Costs

TOTAL COSTS

REQUESTED FUNDING

King County Tax Levy Funds
TOTAL SOURCES

Capital Plan 2015 - 2020						
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
19,000	19,000					
12,283	12,283					
\$31,283	\$31,283					
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
31,283	31,283					
\$31,283	\$31,283					



Access Point of Morgan Street



Access off of Roberts Drive

Capital Plan 2015 - 2020

Project for the	NR/Parks Department	#	P2
PROJECT TITLE	Grant Matching Funds		

DESCRIPTION

Funds earmarked for matching grant resources to be utilized in the design and construction of Parks and Natural Resource projects. This project has a 2013 carry-over balance of \$82,500.

CAPITAL PROJECT COSTS

Transfer Reserves

TOTAL COSTS

REQUESTED FUNDING

Real Estate Excise Tax I

TOTAL SOURCES

Capital Plan 2015 - 2020						
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
\$35,000	2,500	2,500	5,000	5,000	10,000	10,000
\$35,000	\$2,500	\$2,500	\$5,000	\$5,000	\$10,000	\$10,000
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
\$35,000	\$2,500	2,500	5,000	5,000	10,000	10,000
\$35,000	\$2,500	\$2,500	\$5,000	\$5,000	\$10,000	\$10,000

Capital Plan 2015 - 2020

Project for the

NR/Parks Department

P3

PROJECT TITLE

Tree Planting Program

DESCRIPTION

Tree mitigation fund for planting trees throughout the City of Black Diamond, including a reforestation program offered to citizens of Black Diamond

CAPITAL PROJECT COSTS

Tree Mitigation Program

TOTAL COSTS

REQUESTED FUNDING

Tree Mitigation (General Fund)

TOTAL SOURCES

Capital Plan 2014 - 2019

Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
84,500	2,000	1,000	20,000	14,500	22,000	25,000
\$84,500	\$2,000	\$1,000	\$20,000	\$14,500	\$22,000	\$25,000

Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
84,500	2,000	1,000	20,000	14,500	22,000	25,000
\$84,500	\$2,000	\$1,000	\$20,000	\$14,500	\$22,000	\$25,000



Capital Plan 2015 - 2020

Project for the		NR/Parks Department						#	P4																																
PROJECT TITLE		Regional Trail System																																							
DESCRIPTION		Regional Trail concept devised by King County and the City of Black Diamond, running north to south and vice versa. The trail follows the old rail line grade to the north, through Lake Sawyer, eventually connecting to Flaming Geyser State Park along SE Green River Road.																																							
BACKGROUND		A major focus in Black diamond has been creating a town that is walkable and pedestrian friendly. This program will help further this focus. In 2011, a Comprehensive Trail Plan was completed and adopted that allows the City more flexibility in applying for grant resources. In 2012, King county completed a conceptual design for the trail corridor and plans to start design sometime in summer 2014. Which end to begin construction is currently being debated by King County.																																							
CAPITAL PROJECT COSTS		<table><tr><th colspan="8">Capital Plan 2014 - 2019</th></tr><tr><th>Total \$ Requested 2015-2020</th><th>2015</th><th>2016</th><th>2017</th><th>2018</th><th>2019</th><th>2020</th><th></th></tr><tr><td>240,000</td><td></td><td></td><td></td><td></td><td>40,000</td><td>200,000</td><td></td></tr><tr><td>\$240,000</td><td></td><td></td><td></td><td></td><td>\$40,000</td><td>\$200,000</td><td></td></tr></table>								Capital Plan 2014 - 2019								Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020		240,000					40,000	200,000		\$240,000					\$40,000	\$200,000	
Capital Plan 2014 - 2019																																									
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020																																			
240,000					40,000	200,000																																			
\$240,000					\$40,000	\$200,000																																			
TOTAL COSTS																																									
REQUESTED FUNDING		<table><tr><th>Total \$ Requested 2015-2020</th><th>2015</th><th>2016</th><th>2017</th><th>2018</th><th>2019</th><th>2020</th><th></th></tr><tr><td>King County Parks Cost Share</td><td>200,000</td><td></td><td></td><td></td><td></td><td>200,000</td><td></td></tr><tr><td>King County Parks Levy Funds</td><td>40,000</td><td></td><td></td><td></td><td>40,000</td><td></td><td></td></tr><tr><td>TOTAL SOURCES</td><td>\$240,000</td><td></td><td></td><td></td><td>\$40,000</td><td>\$200,000</td><td></td></tr></table>								Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020		King County Parks Cost Share	200,000					200,000		King County Parks Levy Funds	40,000				40,000			TOTAL SOURCES	\$240,000				\$40,000	\$200,000	
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020																																			
King County Parks Cost Share	200,000					200,000																																			
King County Parks Levy Funds	40,000				40,000																																				
TOTAL SOURCES	\$240,000				\$40,000	\$200,000																																			



Old Rail line Crossing towards BD



King County Horse Trailer Parking Facility

Capital Plan 2015 - 2020

Project for the

NR/Park Department

#

P5

PROJECT TITLE

Lake Sawyer Mitigation Bank Improvements

DESCRIPTION

The study, planning and establishment of a shoreline mitigation bank at the lake Sawyer Regional Park for impacts associated with development and re-development along the shores of Lake Sawyer.

BACKGROUND

The City of Black Diamond is considering final approval of the its' Shoreline Master Program and some flexible shoreline setback standards. In order to mitigate for impacts associated with encroaching within the newly set shoreline setback, developers may have the opportunity to pay into a mitigation bank that would allow for the impacts on their site, while enhancing/improving the shorelines within the Regional Park.

CAPITAL PROJECT COSTS

Feasibility Study
Design Engineering
Construction Costs

TOTAL COSTS

REQUESTED FUNDING

Real Estate Excise Tax I

TOTAL SOURCES

Capital Plan 2015 - 2020						
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
\$10,000						10,000
\$10,000						\$10,000
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
10,000						10,000
\$10,000						\$10,000



Lake Sawyer Regional Park (South end of Lake Sawyer)

Capital Plan 2015 - 2020

Project for the	NR/Parks Department					#	P6
PROJECT TITLE	Pond to Parks Improvement (Eagle Creek)						
DESCRIPTION	Convert the stormwater retention pond at the Eagle Creek Sub-Division to a stormwater / Park multi purpose facility. Add a layer of permeable top soil that will not exceed the design infiltration rate of the storm water retention pond and seed to grass. Remove the fence on the south end of the project.						
BACKGROUND	After the construction of this facility, engineering staff observed that surface water infiltration rates far exceeded the delivery volumes associated with surface run-off generated within the sub-division. Because of this, the pond is dry throughout the year and can provide an excellent grass lawn open space feature to users of the City parks facility. This conversion of a gravel storm infiltration pond to a stormwater / Park multi purpose facility will improve storm water treatment, aesthetics and provide additional park area for citizens. This project is shown at the end of the capital Improvement program because the Park department has not had the funds to take on additional maintenance.						
CAPITAL PROJECT COSTS Engineering & Landscape Design Construction Costs TOTAL COSTS REQUESTED FUNDING King Conservation Grant TOTAL SOURCES	Capital Plan 2015 - 2020						
	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
	\$3,000						3,000
	\$8,000						8,000
	\$11,000						\$11,000
	Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
	11,000						11,000
	\$11,000						\$11,000



View into the Eagle Creek Pond



Entrance to the Eagle Creek Pond

Capital Plan 2015 - 2020

Project for the	NR/Parks Department	#	P7
PROJECT TITLE	Parks Equipment and Upgrades		

DESCRIPTION

The park and cemetery department depend on the some of the major pieces of heavy equipment that is owned by the water, sewer, street and stormwater departments. The Park and Cemetery need to contribute toward the replacement of the backhoe, dump truck, utility trucks, shoulder mower. In addition the City needs to set aside funds to purchase mowers specifically for park and cemetery use.

BACKGROUND

The utility funds are proprietary funds and cannot subsidize the park and cemetery fund. Therefore the Park and cemetery budgets need to contribute to the Equipment Replacement Account.

CAPITAL PROJECT COSTS

Park and Cemetery Equipment Replacements

TOTAL COSTS

REQUESTED FUNDING

REET I

TOTAL SOURCES

Capital Plan 2015 - 2020						
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
42,000	7,000	7,000	7,000	7,000	7,000	7,000
\$42,000	\$7,000	\$7,000	\$7,000	\$7,000	\$7,000	\$7,000
Total \$ Requested 2015-2020	2015	2016	2017	2018	2019	2020
42,000	7,000	7,000	7,000	7,000	7,000	7,000
\$42,000	\$7,000	\$7,000	\$7,000	\$7,000	\$7,000	\$7,000



BMX Park Fence Replacement



Parks Equipment Replacement Program

Capital Plan 2015 - 2020

Project for the

NR/Parks Department

P8

PROJECT TITLE

Park's Plan Update

DESCRIPTION

Update of the City's Comprehensive Parks, Recreation and Open Space Plan in order to regain grant eligibility for state funds towards trails, open space and park's infrastructure.

BACKGROUND

Staff developed the City's first Comprehensive PROS's plan in late 2008. This was approved by the Recreation and Conservation Office and utilized in garnering several, large grants for improvements throughout the City. As staff resources have continued to decline, as well as reshuffling of staff responsibilities, consultant help is essential in order to ensure a timely and citizen input driven plan.

CAPITAL PROJECT COSTS

Consulting Services

TOTAL COSTS

REQUESTED FUNDING

Unknown Funds

TOTAL SOURCES

Capital Plan 2015 - 2020							
Total \$ Requested 2015- 2020	2015	2016	2017	2018	2019	2020	
40,000	40,000						
\$40,000	\$40,000						
Total \$ Requested 2015- 2020	2015	2016	2017	2018	2019	2020	
40,000	40,000						
\$40,000	\$40,000						

City Administration and Facilities

CAPITAL PROJECT SUMMARY

	Capital Plan 2015 - 2020						
	Total \$ Requested 2015 - 2020	2015	2016	2017	2018	2019	2020
A1 City Technology Upgrades	150,000	25,000	25,000	25,000	25,000	25,000	25,000
A2 Reroof Police Building	25,000				25,000		
ADMIN & FACILITIES DEPT TOTAL EXPENDITURES	175,000	25,000	25,000	25,000	50,000	25,000	25,000

Capital Plan 2015 - 2020

Project for	Administration and Facilities	#	A1
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PROJECT TITLE	City Technology - Capital
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DESCRIPTION Variety of technology upgrades to the City including PC purchases, software purchases, network upgrades hard and software and printers. (see next page) These City upgrades exclude Police, as that department has a separate technology project list.

BACKGROUND This project is for PC replacements and other capital technology for the City. This includes servers, network and network software, disaster software and other technology. Auburn IT will be updating amounts in next month or two.

Capital Plan 2015 - 2020							
CAPITAL PROJECT COSTS	Total \$ Requested 2015 - 2020	2015	2016	2017	2018	2019	2020
PC, Printers, Software	30,000	5,000	5,000	5,000	5,000	5,000	5,000
Network Software, Audio & Recovery.	120,000	20,000	20,000	20,000	20,000	20,000	20,000
Telephone System Replacement	-						
TOTAL COSTS	150,000	25,000	25,000	25,000	25,000	25,000	25,000
REQUESTED FUNDING	Total \$ Requested 2015 - 2020	2015	2016	2017	2018	2019	2020
REET I	150,000	25,000	25,000	25,000	25,000	25,000	25,000
TOTAL SOURCES	150,000	25,000	25,000	25,000	25,000	25,000	25,000

Technology Non Police

	Yr	2015	2016	2017	2018	2019	2020
	Users	25	25	25	25	25	25
	p/user						
PCs							
Purchase	1250						
Replacement	900	5625	5625	5625	5625	5625	5625
Printers/Mice/Access	100	625	625	625	625	625	625
PC Software							
Software Purchase	150	937.5	937.5	937.5	937.5	937.5	937.5
MS Office	250		6250				
Software Upgrades	100	1000	1000	1000	1000	1000	1000
Anti-virus/SPAM	50	1875	1875	1875	1875	1875	1875
Network							
Server purchases	6000				6000		
Server Upgrades	6000	6000		6000		6000	
NW/Security Devices	2000	2000		2000		2000	
Network Software							
Operating Systems	1200	1200	1200	1200	1200	1200	1200
Backup/WWW	800	800	800	800	800	800	800
Other purchases							
Video/Audio	400	400	400	400	400	400	400
Disaster Recovery	1500		1500		1500		1500

CAPITAL BUDGET		2015	2016	2017	2018	2019	2020
Totals		19962.5	20462.5	20212.5	20462.5	19962.5	13962.5
Rounding		20000	20000	20000	20000	20000	20000
Permit Trax		6500	6500	6500	6500	6500	6500
Vision Financial		4500	4500	4500	4500	4500	4500
Prof Services		3000	3000	3000	3000	3000	3000
Subscriptions		500	500	500	500	500	500
Maint/Repair		1500	1500	1500	1500	1500	1500
Training		1500	1500	1500	1500	1500	1500
Maint/Operating		2015	2016	2017	2018	2019	2020
Rounded Total		18000	18000	18000	18000	18000	18000

Capital Plan 2015 - 2020

Project for the

Administration and Facilities

A2

PROJECT TITLE

Reroof Police Station

DESCRIPTION

The Police Station will be overdue for a new roof.

CAPITAL PROJECT COSTS

Construction Costs

Contingency

TOTAL COSTS

REQUESTED FUNDING

REET 1

TOTAL SOURCES

Capital Plan 2015 - 2020						
Total \$ Requested 2015 - 2020	2015	2016	2017	2018	2019	2020
25,000				25,000		
25,000	-	-	-	25,000	-	-
Total \$ Requested 2015 - 2020	2015	2016	2017	2018	2019	2020
25,000	-	-	-	25,000	-	-
25,000	-	-	-	25,000	-	-





DRAFT CITY OF BLACK DIAMOND

2014 Schedule 2015 – 2020 Capital Improvement Plan (CIP)

	Process	Internal Due Date	Committee Meetings	Workstudy	City Council Meetings
1	CIP Planning Meeting	March 10 & 18			
2	CIP Call letter & worksheet to affected departments (include goals, rules and timelines)	March 18			
3	Departments Update detailed requests and submit to Finance and City Administration	March 18 - March 28			
4	Finance prepares worksheets for affected funds, such as: Street, Sewer, Water, Drainage, Parks, Public Safety.	March 18- March 28			
5	Finance combines all requests by fund type and returns to departments for committee meetings.	March 31- April 3			
6	Public Works Committee Meeting to review requested projects for Street, Water, Sewer, Stormwater.		April 4 12:00 noon		
7	Budget, Finance & Administration Committee Meeting to review requested projects for General Government, including technology, and Gen Gov't Building Imp.		April 10 10:00 AM		
8	Public Safety Committee Meeting to review requested projects for Police & Fire.		April 11 10:30 AM		
9	Parks Committee Meeting to review requested Parks Projects.		April 18 10:00 AM		
10	Budget, Finance & Administration Committee Meeting-2 nd review of 2015 – 2020 CIP.		April 24 10:00 AM		
11	Finance combines revenue and all Department requests for review by Administration. Administration Reviews with Finance and Departments to requested Projects.	April 7-23			
12	Finance, Public Works, Administration meet with Mayor to review PW projects & revenue	April 24 @ 4 PM			
13	CIP Council Workstudy Public Works			May 8	
14	Finance, Administration, Parks, Police, Fire meet with Mayor to review projects & revenue	May 22 @ 4 PM			
15	CIP Workstudy –Non-Public Works 6-7 PM			June 19	
16	Council Public Hearing on 2015-2020 CIP-to Brenda by June 4.				June 19
17	Workstudy Review of CIP Edits from Public Hearing and Committees			July 10	
18	Council adopts 2015 – 2020 CIP				Nov 6, 2014