

---

## Program: Utilities/Storm Water – Capital Construction

---

### Services Delivered:

Storm Water and Open Space systems are required infrastructure to protect our community against flooding, assure the quality of water returned to the Rogue River and allow managed growth. The Storm Water and Open Space SDC is an incurred charge for the planning, acquisition and capital development of facilities to accommodate and control storm water runoff. This is a program to protect the capacity for current and future users of this system.

The capital improvement plan required by state law as the basis for expending revenues from the improvement fees portion of the Storm Water and Open Space System Development Charge; shall include the update to the Storm Water and Open Space Master Plan and implementation of the Storm Water Management program. The General Fund will also contribute funds to allow for the implementation of the Rogue Basin Total Maximum Daily Load & Water Quality Management Plan (TMDL), as directed by the Oregon Department of Environmental Quality.

Implemented by Council action in February of 2004, two distinct SDC fees were adopted. The Storm Water and Open Space Master Plan fee charged to all new developments is now \$487 per development. These monies will be used to pay for the planning, acquisition, and capital development of facilities to accommodate and control storm water runoff, directly associated open space, and water quality control facilities to clean surface water runoff prior to natural surface water conveyances. The second SDC fee is being collected for storm water construction in the Sand Creek sub-basin area, and the charge is currently \$0.33 per square foot of lot area. Both of these charges will be collected at the time of the building or development permit, until a new Storm Water Utility and System Development Charge is adopted by the City Council.

### FY'19 Anticipated Accomplishments & Corresponding Council Goal - Strategic Plan Item:

#### **Maintain, Operate, and Expand our Infrastructure to Meet Community Needs**

##### **Objective 5: Ensure storm facility infrastructure needs are met**

**Action 1:** Initiate the preparation of a Storm Water Implementation Plan.

- Initiation of the Storm Water Implementation Plan has begun since the establishment of the Storm Water Utility.

**Action 2:** Create and initiate the Storm Water Utility.

- The Storm Water Utility was created in FY'18. The Storm Water rate and implementation schedule will be adopted in FY'19.

---

## Program: Utilities/Storm Water – Capital Construction

---

### **Budget Highlights:**

The project listing shows resources across the columns. Columns show the “Actual resources through FY’17”; the re-assessed resource needs of projects using current data for the “Estimated FY’18” column, guiding our “Adopted FY’19” and resources estimated “Through FY’19”. We have “Future Years” and “Total Project” columns for each project. Refer to the Capital Budget Book for more information on individual projects.

The individual project pages describe the project, the need, future and ongoing costs, and the total project cost. The tables show when and where the money is budgeted to come from, and the expenses incurred and budgeted to incur through completion.

### **FY’18 Activity Review:**

- Continued implementation of the TMDL Plan.
- Continued work on the Storm Water Management Manual.
- Started work on the Storm Water Utility rate and SDC Study.

## Program: Utilities/Storm Water – Capital Construction

### ACTIVE CAPITAL PROJECT RESOURCES

		Actual Through FY'17	Estimated FY'18	Adopted FY'19	Total Through FY'19	Future Years	Total Project
DO0000	Miscellaneous Projects - (648)	68,858	(5,000)	0	63,858	100,000	163,858
DO6071	TMDL Plan Implementation	195,000	(35,000)	0	160,000	60,000	220,000
DO6319	Storm Water Utility & SDC Study	45,000	65,000	0	110,000	0	110,000
DO6320	Storm Water Management Manual	50,000	10,000	20,000	80,000	0	80,000
DO6321	General Engineering Services	10,000	5,000	0	15,000	100,000	115,000
DO6336	Detention Pond Maint./Upgrades	0	25,000	0	25,000	40,000	65,000
DO6337	Schroeder Lane North SD	<u>0</u>	<u>125,000</u>	<u>175,000</u>	<u>300,000</u>	<u>700,000</u>	<u>1,000,000</u>
<b>NEW PROJECTS</b>							
DO6353	Emergency Storm Drain Projects	0	0	50,000	50,000	200,000	250,000
DO6354	Vactor and Camera Trucks	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>650,000</u>	<u>650,000</u>
	<b>Total Projects</b>	<b><u>368,858</u></b>	<b><u>190,000</u></b>	<b><u>245,000</u></b>	<b><u>803,858</u></b>	<b><u>1,850,000</u></b>	<b><u>2,653,858</u></b>
<b>Storm Water SDC Funds</b>							
	Miscellaneous Projects - SDC's (642)	986,229	(1,796)	(68,100)	916,333	33,400	1,043,633
	Miscellaneous Projects - AFD's (645)	7,194	0	9,000	16,194	27,000	25,194
	<b>Total Miscellaneous Funds</b>	<b><u>993,423</u></b>	<b><u>(1,796)</u></b>	<b><u>(59,100)</u></b>	<b><u>932,527</u></b>	<b><u>60,400</u></b>	<b><u>1,068,827</u></b>
<b><u>CLOSED OR CANCELLED CAPITAL PROJECT RESOURCES</u></b>							
DO6169	Stormwater Plan Update	<u>417,672</u>	<u>(15,504)</u>	<u>0</u>	<u>402,168</u>	<u>0</u>	<u>402,168</u>
	<b>Total Closed Projects</b>	<b><u>417,672</u></b>	<b><u>(15,504)</u></b>	<b><u>0</u></b>	<b><u>402,168</u></b>	<b><u>0</u></b>	<b><u>402,168</u></b>
	<b>Grand Total - All Storm Water Funds</b>	<b><u>1,779,953</u></b>	<b><u>172,700</u></b>	<b><u>185,900</u></b>	<b><u>2,138,553</u></b>	<b><u>1,910,400</u></b>	<b><u>4,124,853</u></b>

## Program: Utilities/Storm Water – Capital Construction

### ACTIVE CAPITAL PROJECT SUMMARIES FOR FY'19

	Adopted FY'19 Beginning Fund Balance	Adopted FY'19 Revenue	Adopted FY'19 Capital Outlay	Adopted FY'19 Transfers Out	Adopted FY'19 Appropriated Fund Balance
DO0000 Miscellaneous Projects - 648	370	0	0	0	370
DO6071 TMDL Plan Implementation	48,188	0	48,188	0	0
DO6319 Storm Water Utility & SDC Study	14,398	0	14,398	0	0
DO6320 Storm Water Management Manual	883	20,000	20,883	0	0
DO6321 General Engineering Services	6,575	0	6,575	0	0
DO6336 Detention Pond Maint./Upgrades	10,000	0	10,000	0	0
DO6337 Schroeder Lane North SD	<u>100,000</u>	<u>175,000</u>	<u>275,000</u>	<u>0</u>	<u>0</u>
<b>NEW PROJECTS</b>					
DO6353 Emergency Storm Drain Projects	0	50,000	50,000	0	0
DO6354 Vactor and Camera Trucks	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<b>Total Projects</b>	<b><u>180,414</u></b>	<b><u>245,000</u></b>	<b><u>425,044</u></b>	<b><u>0</u></b>	<b><u>370</u></b>
<b>Storm Water SDC Funds</b>					
Miscellaneous Projects - SDC's 642	349,433	(68,100)	0	0	281,333
Miscellaneous Projects - AFD's 645	<u>7,194</u>	<u>9,000</u>	<u>0</u>	<u>0</u>	<u>16,194</u>
<b>Total Miscellaneous Funds</b>	<b><u>356,627</u></b>	<b><u>(59,100)</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>297,527</u></b>
 <b>Grand Total - All Storm Water Funds</b>	 <b><u>537,041</u></b>	 <b><u>185,900</u></b>	 <b><u>425,044</u></b>	 <b><u>0</u></b>	 <b><u>297,897</u></b>

## Program: Utilities/Storm Water – Capital Construction

### Financial Summary

	ACTUAL FY'16 \$	ACTUAL FY'17 \$	BUDGET FY'18 \$	REVISED FY'18 \$	Adopted FY'19 \$	PROJECTED FY'20 \$
Beginning Fund Balance	<u>311,392</u>	<u>355,069</u>	<u>461,314</u>	<u>461,314</u>	<u>537,041</u>	<u>297,897</u>
<b>Resources</b>						
Development charges	123,674	161,269	107,200	107,200	105,600	105,600
Investment Interest	2,750	4,802	500	500	1,300	1,300
SDC/AFD Loans	2,333	8,707	0	0	9,000	9,000
General fund	11,404	35,000	50,000	50,000	0	0
Transportation Projects	<u>105,000</u>	<u>45,000</u>	<u>15,000</u>	<u>15,000</u>	<u>70,000</u>	<u>1,000,000</u>
<b><i>Total Current Revenues</i></b>	<b><u>245,161</u></b>	<b><u>254,779</u></b>	<b><u>172,700</u></b>	<b><u>172,700</u></b>	<b><u>185,900</u></b>	<b><u>1,115,900</u></b>
<b>Total Resources</b>	<b><u>556,553</u></b>	<b><u>609,848</u></b>	<b><u>634,014</u></b>	<b><u>634,014</u></b>	<b><u>722,941</u></b>	<b><u>1,413,797</u></b>
<b>Requirements</b>						
Capital Outlay	<u>201,484</u>	<u>87,507</u>	<u>306,996</u>	<u>306,996</u>	<u>425,044</u>	<u>1,000,194</u>
<b><i>Subtotal Expenditures</i></b>	<b><u>201,484</u></b>	<b><u>87,507</u></b>	<b><u>306,996</u></b>	<b><u>306,996</u></b>	<b><u>425,044</u></b>	<b><u>1,000,194</u></b>
Appropriated Fund Balance	<u>355,069</u>	<u>522,341</u>	<u>327,018</u>	<u>327,018</u>	<u>297,897</u>	<u>413,603</u>
<b>Total Requirements</b>	<b><u>556,553</u></b>	<b><u>609,848</u></b>	<b><u>634,014</u></b>	<b><u>634,014</u></b>	<b><u>722,941</u></b>	<b><u>1,413,797</u></b>
<b>Requirements</b>						

## Program: Utilities/Storm Water – Capital Construction

<b>Project</b>	<b>DO0000</b>	<b>Fund 648 General Storm Water &amp; Open Space Projects</b>
----------------	---------------	---

### Project Description

This project accounts for small miscellaneous projects, closed projects and projects that are in the process of starting up. Fund balances and miscellaneous expenditures that are not attributable to a specific project are accounted for in this project. Resources are distributed from this project to other active projects.



### Need for Project

This project allows for tracking of fund balances and miscellaneous expenditures.

### Council Strategic Goal

Maintain, Operate and Expand our Infrastructure to Meet Community Needs  
Objective 5: Ensure storm facility infrastructure needs are met.

**Estimated Total Project Cost:** No true cost is associated with this project.

### Resources

	Actual Through FY'17	FY'18 Adopted	FY'18 Estimated	FY'19 Adopted	Through FY'19	FY'20 Projected	Future	Total Projects
Investment Interest	94,622				94,622			94,622
AFD	12,985				12,985			12,985
General Fund - Policy & Legislation	46				46			46
Storm Water Ops					0	1,000,000	700,000	1,700,000
Storm Water & Open Space Capital	(40,000)		(5,000)		(45,000)	(900,000)	(700,000)	(1,645,000)
Transportation Capital	1,205				1,205			1,205
<b>Total Resources</b>					63,858			163,858

### Requirements

Expenditures	3,488				3,488			3,488
Transfers/Contingency	60,000				60,000			60,000
<b>Ending Balance by Year</b>	<b>5,370</b>		<b>370</b>	<b>370</b>	<b>370</b>	<b>100,370</b>	<b>100,370</b>	<b>100,370</b>

## Program: Utilities/Storm Water – Capital Construction

<b>Project</b>	<b>DO6071</b>	<b>TMDL Plan Implementation</b>
----------------	---------------	---------------------------------

### Project Description

This project will continue implementation of the new storm water TMDL requirements.

### Need for Project

The City must meet new storm water TMDL requirements set by DEQ. The 5 year TMDL Implementation Plan was approved by DEQ. The plan includes items such as public education, shading of streams and planting of trees. Future funding for the implementation plan will come from the as yet un-adopted Storm Water Utility.

### Council Strategic Goal

Maintain, Operate and Expand our Infrastructure to Meet Community Needs

Objective 5: Ensure storm facility infrastructure needs are met.

### Future and Ongoing Costs

Plan implementation.

**Estimated Total Project Cost: \$30,000 yearly as available** (Project cost revised from \$45,000)

### Resources

	Actual Through FY'17	FY'18 Adopted	FY'18 Estimated	FY'19 Adopted	Through FY'19	FY'20 Projected	Future	Total Projects
Storm Water Capital					0	15,000	45,000	60,000
General Fund - Policy & Legislation	120,000		(50,000)		70,000			70,000
Gas Tax	75,000	15,000	15,000		90,000			90,000
<b>Total Resources</b>					<b>160,000</b>			<b>220,000</b>

### Requirements

Expenditures	96,812	99,996	15,000	48,188	160,000	15,000	45,000	220,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	<b>98,188</b>		<b>48,188</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					<b>160,000</b>			<b>220,000</b>

## Program: Utilities/Storm Water – Capital Construction

<b>Project</b>	<b>DO6319</b>	<b>Storm Water Utility &amp; SDC Study</b>
----------------	---------------	--

### Project Description

This project will evaluate and recommend appropriate storm water utility rates and storm water System Development Charges after the Storm Water Master Plan is adopted.

### Need for Project

There is no storm water utility. Currently, non-street related storm water issues are funded by the general fund. After adoption of the storm water master plan, appropriate methodology will be used to help ensure system users pay an appropriate share of the costs. One of the methods to ensure equity among users is the development of a GIS layer depicting impervious surface area.

### Council Strategic Goal

Maintain, Operate and Expand our Infrastructure to Meet Community Needs  
Objective 5: Ensure storm facility infrastructure needs are met.

### Future and Ongoing Costs

Not applicable

**Estimated Total Project Cost: \$110,000** revised from \$65,000 to expand level of effort

### Resources

	Actual Through FY'17	FY'18 Adopted	FY'18 Estimated	FY'19 Adopted	Through FY'19	FY'20 Projected	Future	Total Projects
Storm Water & Open Space Capital	10,000				10,000			10,000
General Fund - Policy & Legislation	35,000	15,000	65,000		100,000			100,000
<b>Total Resources</b>					110,000			110,000

### Requirements

Expenditures	30,602	15,000	65,000	14,398	110,000			110,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	<b>14,398</b>		<b>14,398</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					110,000			110,000



## Program: Utilities/Storm Water – Capital Construction

<b>Project</b>	<b>DO6320</b>	<b>Storm Water Management Manual</b>
----------------	---------------	--------------------------------------

### Project Description

The storm water management manual is a technical document outlining storm water management requirements for development and redevelopment projects within the City on both private and public property.

### Need for Project

This manual will outline requirements and policies regarding storm water infiltration, discharge, flow control and pollution reduction. In addition, the manual will provide design guidelines and specifications for storm water management facilities to meet the City's requirements/policies. The manual will provide operations and maintenance requirements for all projects.

### Council Strategic Goal:

Maintain, Operate and Expand our Infrastructure to Meet Community Needs  
Objective 5: Ensure storm facility infrastructure needs are met.

### Future and Ongoing Costs

Not applicable

**Estimated Total Project Cost: \$80,000** revised from \$50,000

### Resources

	Actual Through FY'17	FY'18 Adopted	FY'18 Estimated	FY'19 Adopted	Through FY'19	FY'20 Projected	Future	Total Projects
Storm Water & Open Space Projects	20,000		10,000		30,000			30,000
Storm Water Capital					0			0
Transportation Capital	30,000			20,000	50,000			50,000
<b>Total Resources</b>					<b>80,000</b>			<b>80,000</b>

### Requirements

Expenditures	10,117	25,000	49,000	20,883	80,000			80,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	<b>39,883</b>		<b>883</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					<b>80,000</b>			<b>80,000</b>

## Program: Utilities/Storm Water – Capital Construction

<b>Project</b>	<b>DO6321</b>	<b>General Engineering Services</b>
----------------	---------------	-------------------------------------

### Project Description

This project will fund a variety of small engineering assignments on the City’s storm water facilities.

### Need for Project

Given the nature of these individual assignments, it is desired for our master services consultant to provide general engineering support and guidance for the overall storm water program.

### Council Strategic Goal

Maintain, Operate and Expand our Infrastructure to Meet Community Needs

Objective 5: Ensure storm facility infrastructure needs are met.

### Future and Ongoing Costs

General support for the storm water system.

**Estimated Total Project Cost: \$25,000 per year as funds are available** (increased from \$10,000 per year)

### Resources

	Actual Through FY'17	FY'18 Adopted	FY'18 Estimated	FY'19 Adopted	Through FY'19	FY'20 Projected	Future	Total Projects
Storm Water & Open Space Projects	10,000		(5,000)		5,000	25,000	75,000	105,000
General Fund - Policy & Legislation		10,000	10,000		10,000			10,000
<b>Total Resources</b>					15,000			115,000

### Requirements

Expenditures	3,425	17,000	5,000	6,575	15,000	25,000	75,000	115,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	6,575		6,575	0	0	0	0	0
<b>Total Requirements</b>					15,000			115,000

## Program: Utilities/Storm Water – Capital Construction

<b>Project</b>	<b>DO6336</b>	<b>Detention Pond Maintenance/Upgrades</b>
----------------	---------------	--

### Project Description

This project would identify and account for larger maintenance within existing detention ponds and wetland areas. The maintenance items might include silt, large debris and dead vegetation removal and replanting of appropriate vegetation.

### Need for Project

Detention ponds and wetland areas require periodic maintenance and upgrades to ensure they function properly. Some of the areas will require permits to perform the correct maintenance activities. This project will provide the funding for permits and maintenance/upgrades.

### Council Strategic Goal

Maintain, Operate and Expand our Infrastructure to Meet Community Needs  
Objective 5: Ensure storm facility infrastructure needs are met.

### Future and Ongoing Costs

Routine and periodic maintenance

**Estimated Total Project Cost: \$10,000 per year as funds are available**

### Resources

	Actual Through FY'17	FY'18 Adopted	FY'18 Estimated	FY'19 Adopted	Through FY'19	FY'20 Projected	Future	Total Projects
Gas Tax					0			0
General Fund - Policy & Legislation		25,000	25,000		25,000			25,000
Storm Water & Open Space Capital					0	10,000	30,000	40,000
<b>Total Resources</b>					<b>25,000</b>			<b>65,000</b>

### Requirements

Expenditures		25,000	15,000	10,000	25,000	10,000	30,000	65,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	<b>0</b>		<b>10,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					<b>25,000</b>			<b>65,000</b>

## Program: Utilities/Storm Water – Capital Construction

<b>Project</b>	<b>DO6337</b>	<b>Schroeder Lane North SD</b>
----------------	---------------	--------------------------------

### Project Description

Extend storm drain line from Schroeder Lane and Leonard Road north.

### Need for Project

Currently the storm drain line ends with an invert elevation ~6 ½ feet below surface grade. This project will extend the storm drain line to a daylight exit and improve drainage from the south.

### Council Strategic Goal

Maintain, Operate and Expand our Infrastructure to Meet Community Needs

Objective 5: Ensure storm facility infrastructure needs are met.

### Future and Ongoing Costs

Preliminary design will determine routing and correct sizing of new pipe. Project cost estimate will be updated accordingly.

**Estimated Total Project Cost: \$ 1,000,000**

### Resources

	Actual Through FY'17	FY'18 Adopted	FY'18 Estimated	FY'19 Adopted	Through FY'19	FY'20 Projected	Future	Total Projects
Sand Creek SDC		125,000	125,000	175,000	300,000	75,000	75,000	450,000
Storm Water & Open Space Capital					0	150,000	400,000	550,000
<b>Total Resources</b>					300,000			1,000,000

### Requirements

Expenditures		125,000	25,000	275,000	300,000	225,000	475,000	1,000,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	0		100,000	0	0	0	0	0
<b>Total Requirements</b>					300,000			1,000,000

## Program: Utilities/Storm Water – Capital Construction

<b>Project</b>	<b>DO6353</b>	<b>Emergency Storm Drain Projects</b>
----------------	---------------	---------------------------------------

### Project Description

This project provides funding to resolve unanticipated, small storm drain problems which arise throughout the year.

### Council Strategic Goal

Maintain, Operate and Expand our infrastructure to Meet Community Needs

Objective 5: Ensure storm water infrastructure needs are met.

### Need for Project

Drainage problems often appear unexpectedly throughout the community. This project allows the City to respond to these problems as they occur.

### Future and Ongoing Costs

Evaluation and repair of unanticipated deficiencies.

**Estimated Total Project Cost:**     **\$50,000** per year as available

### Resources

	Actual Through FY'17	FY'18 Adopted	FY'18 Estimated	FY'19 Adopted	Through FY'19	FY'20 Projected	Future	Total Projects
Storm Water & Open Space Capital					0	50,000	150,000	200,000
Transportation Capital				50,000	50,000			50,000
<b>Total Resources</b>					50,000			250,000

### Requirements

Expenditures				50,000	50,000	50,000	150,000	250,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	0		0	0	0	0	0	0
<b>Total Requirements</b>					50,000			250,000

## Project Closed – FY 2018

### Program: Utilities/Storm Water – Capital Construction

<b>Project</b>	<b>DO6169</b>	<b>Storm Water Master Plan Update</b>
----------------	---------------	---------------------------------------

**Project Description**

This project will update the 2007 draft master plan for adoption. The flow model, capital improvement plan (CIP) and financing alternatives will also be updated.

**Need for Project**

The 2007 draft master plan was never adopted. This project will update the draft plan to reflect the new Urban Growth Boundary. With the revised CIP, financing alternatives can be developed and evaluated.

**Council Strategic Goal**

Maintain, Operate and Expand our Infrastructure to Meet Community Needs

Objective 5: Ensure storm facility infrastructure needs are met.

**Future and Ongoing Costs**

Plan adopted in 2016. Financing alternatives to be evaluated

**Estimated Total Project Cost:**      **\$435,000** (Revised from \$345,000 due to an additional 2 months of flow monitoring)

**Resources**

	Actual Through FY'17	FY'18 Adopted	FY'18 Estimated	FY'19 Adopted	Through FY'19	FY'20 Projected	Future	Total Projects
Storm Water & Open Space SDC	417,672		(15,504)		402,168			402,168
<b>Total Resources</b>					<b>402,168</b>			<b>402,168</b>

**Requirements**

Expenditures	418,166		(15,998)		402,168			402,168
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	<b>(494)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					<b>402,168</b>			<b>402,168</b>