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## Program: Utilities/Wastewater – Capital Construction

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### Services Delivered:

This activity provides for the planning, engineering and construction of sewer lines, pumping stations, and treatment facilities for the Wastewater Program. The Public Works Engineering Technician is shown here, but actual expenditures are spread across Wastewater, Water, and Transportation projects.

This portion of the Wastewater system receives financing from System Development Charge revenues and transfers from wastewater operations. The Wastewater system includes the treatment plant, five pump stations, and the collection system. Major repairs and improvements are financed through this capital budget.

This budget sets aside funds to provide for the major rehabilitation of the treatment plant, pump stations and replacement of deteriorated sewer piping within the collection system.

### Personnel:

	BUDGET	BUDGET	BUDGET	MANAGER RECOMMEND	COMMITTEE APPROVED	COUNCIL ADOPTED	PROJECTED
	FY'11	FY'12	FY'13	FY'14	FY'14	FY'14	FY'15
Engineering Technician	1.00	1.00	1.00	1.00	1.00	1.00	1.00

### FY'14 Anticipated Accomplishments & Corresponding Council Goal - Strategic Plan Item:

#### Maintain, Operate, and Expand our Infrastructure

##### Objective 1: Plan for utility infrastructure

- Develop 20-year infrastructure master plans and combined utilities plan.

##### Objective 3: Ensure sewer infrastructure needs are met

- Upgrade sewer lines in the core of the community per the Sewer Collection Master Plan.
- Complete JO-GRO storm water improvements.

### Budget Highlights:

The Active Capital Project list includes projects coming to a close in FY'13, but which are not finalized at this time.

The project listing shows resources across the columns. Columns show the “Actual resources through FY'12”; the re-assessed resource needs of projects using current data for the “Revised FY'13” column, guiding our “Adopted FY'14” and resources estimated “Through FY'14”. We have “Future Years” and “Total Project” columns for each project. Refer to the individual project pages for more information on each project.

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.

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## **Program: Utilities/Wastewater – Capital Construction**

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### **FY'13 Activity Review:**

- Siphon Line inspection at the Water Restoration Plant was completed.
- Repair of the influent control structure at the Water Restoration Plant was completed.
- Sewer line was replaced on SW K Street.
- 9 Corroded manholes were replaced with 8 new manholes (previously part of RSSSD).
- Continued work on the Collection System Master Plan.
- Continued replacement of structurally deficient sewer lines.
- Continued work on JO-GRO™ storm water deficiency.
- Began work on the Water Restoration Plant Facility Plan.

## Program: Utilities/Wastewater – Capital Construction

### ACTIVE CAPITAL PROJECT RESOURCES

		Actual Through FY'12	Revised FY'13	Adopted FY'14	Total Through FY'14	Future Years	Total Project
SE0000	Miscellaneous Projects - SDC Fund 722	103,812	(50,000)	(50,000)	3,812	(4,300,000)	(4,296,188)
SE0000	Miscellaneous Projects - AFD Fund 725	88,602	(7,282)	0	81,320	0	81,320
SE0000	Miscellaneous Projects - General Fund 728	1,089,073	384,325	(469,000)	1,004,398	(6,161,000)	(5,156,602)
SE4745	WRP & JOGRO™ Equipment Improv.	350,000	50,000	50,000	450,000	200,000	650,000
SE4960	JO-GRO™ Miscellaneous Upgrades	629,020	250,000	350,000	1,229,020	0	1,229,020
SE4963	Update WRP Facility Plan	250,000	80,000	0	330,000	0	330,000
SE4964	WRP Phase 2 Expansion	862,000	223,000	450,000	1,535,000	10,490,000	12,025,000
SE5060	General Engineering	96,000	25,000	20,000	141,000	80,000	221,000
SE5080	WRP Structural Repairs	83,000	75,000	75,000	233,000	300,000	533,000
SE5081	Collection System Master Plan Update	175,000	50,000	50,000	275,000	0	275,000
SE6012	Western Avenue Sewer Replacement	10,000	0	0	10,000	2,050,000	2,060,000
SE6064	Sewer Main Structural Repairs	690,000	175,000	400,000	1,265,000	2,435,000	3,700,000
SE6111	Mill Street Sewer Reconstruction	125,000	0	0	125,000	4,215,000	4,340,000
SE6112	Sewer Rate Study SE & RS	10,000	25,000	35,000	70,000	0	70,000
SE6156	Sewer Mains Related to Overlays	0	50,000	0	50,000	1,850,000	1,900,000
<b>NEW PROJECTS</b>							
SE6198	Collection System Maintenance-Repair	0	0	125,000	125,000	300,000	425,000
SE6199	Pump-Lift Station Equipment Improvement	0	0	125,000	125,000	40,000	165,000
SE6200	Spaulding Indust. Park WW Infrastructure	0	0	100,000	100,000	0	100,000
	<b>Total Projects</b>	<b><u>4,561,507</u></b>	<b><u>1,330,043</u></b>	<b><u>1,261,000</u></b>	<b><u>7,152,550</u></b>	<b><u>11,499,000</u></b>	<b><u>18,651,550</u></b>

### CLOSED OR CANCELLED CAPITAL PROJECT RESOURCES

SE4161	Accelerated Maintenance	359,690	40,000	0	399,690	0	399,690
SE4998	Industrial Pretreatment Program Update	212,000	0	0	212,000	0	212,000
SE6067	Sewer Siphon Line Inspection	70,000	(43,293)	0	26,707	0	26,707
SE6133	Influent Control Structure Repair	50,000	135,000	0	185,000	0	185,000
SE6176	SW K Street Sewer Replacement	0	95,000	0	95,000	0	95,000
	<b>Total Closed Projects</b>	<b><u>691,690</u></b>	<b><u>226,707</u></b>	<b><u>0</u></b>	<b><u>918,397</u></b>	<b><u>0</u></b>	<b><u>918,397</u></b>
	<b>Grand Total - All Projects</b>	<b><u>5,253,197</u></b>	<b><u>1,556,750</u></b>	<b><u>1,261,000</u></b>	<b><u>8,070,947</u></b>	<b><u>11,499,000</u></b>	<b><u>19,569,947</u></b>

## Program: Utilities/Wastewater – Capital Construction

### ACTIVE CAPITAL PROJECT SUMMARIES FOR FY'14

	Adopted FY'14 Beginning Fund Balance	Adopted FY'14 Revenue	Adopted FY'14 Capital Outlay	Adopted FY'14 Transfers	Adopted FY'14 Appropriated Fund Balance
SE0000 Miscellaneous Projects - SDC Fund 722	53,812	(50,000)	0	0	3,812
SE0000 Miscellaneous Projects - AFD Fund 725	380	0	0	0	380
SE0000 Miscellaneous Projects - General Fund 728	509,484	(469,000)	0	0	40,484
SE4745 WRP & JOGRO™ Equipment Improv.	38,689	50,000	88,689	88,689	0
SE4960 JO-GRO™ Miscellaneous Upgrades	388,805	350,000	738,805	738,805	0
SE4963 Update WRP Facility Plan	0	0	0	0	0
SE4964 WRP Phase 2 Expansion	954,827	450,000	1,404,827	1,404,827	0
SE5060 General Engineering	24,904	20,000	44,904	44,904	0
SE5080 WRP Structural Repairs	27,382	75,000	102,382	102,382	0
SE5081 Collection System Master Plan Update	20,501	50,000	70,501	70,501	0
SE6012 Western Avenue Sewer Replacement	5,879	0	5,879	5,879	0
SE6064 Sewer Main Structural Repairs	184,075	400,000	584,075	584,075	0
SE6111 Mill Street Sewer Reconstruction	100,000	0	100,000	100,000	0
SE6112 Sewer Rate Study SE & RS	25,000	35,000	60,000	60,000	0
SE6156 Sewer Mains Related to Overlays	0	0	0	0	0
<b>NEW PROJECTS</b>					
SE6198 Collection System Maintenance-Repair	0	125,000	125,000	125,000	0
SE6199 Pump-Lift Station Equipment Improvement	0	125,000	125,000	125,000	0
SE6200 Spaulding Indust. Park WW Infrastructure	0	100,000	100,000	100,000	0
<b>Total Projects</b>	<b><u>2,333,738</u></b>	<b><u>1,261,000</u></b>	<b><u>3,550,062</u></b>	<b><u>3,550,062</u></b>	<b><u>44,676</u></b>

## Program: Utilities/Wastewater – Capital Construction

### Financial Summary

	ACTUAL FY'11 \$	ACTUAL FY'12 \$	BUDGET FY'13 \$	MANAGER RECOMMEND FY'14 \$	COMMITTEE APPROVED FY'14 \$	COUNCIL ADOPTED FY'14 \$	PROJECTED FY'15 \$
Beginning Fund Balance	<u>2,352,707</u>	<u>2,229,858</u>	<u>1,877,430</u>	<u>2,333,738</u>	<u>2,333,738</u>		<u>44,676</u>
<b>Resources</b>							
Development Charges	179,287	168,271	150,000	150,000	150,000		150,000
Investment Interest	17,361	16,846	1,000	1,000	1,000		1,000
Advance Finance Interest	452	436	0	0	0		0
SDC Loans	7,701	8,816	0	0	0		0
General Fund	0	0	0	150,000	150,000		150,000
Sewer Fund	376,206	855,046	951,750	959,000	959,000		891,000
Water Fund	0	50,000	0	0	0		0
RSSSD	0	5,000	5,000	0	0		0
Miscellaneous Revenues	48	8,049	0	0	0		0
Advance Financing	<u>5,960</u>	<u>24</u>	<u>1,000</u>	<u>1,000</u>	<u>1,000</u>		<u>1,000</u>
<i>Total Current Revenues</i>	<u><i>587,015</i></u>	<u><i>1,113,288</i></u>	<u><i>1,108,750</i></u>	<u><i>1,261,000</i></u>	<u><i>1,261,000</i></u>		<u><i>1,193,000</i></u>
<b>Total Resources</b>	<u><b>2,939,722</b></u>	<u><b>3,343,146</b></u>	<u><b>2,986,180</b></u>	<u><b>3,594,738</b></u>	<u><b>3,594,738</b></u>		<u><b>1,237,676</b></u>
<b>Requirements</b>							
Capital Outlay	<u>709,864</u>	<u>647,808</u>	<u>2,912,283</u>	<u>3,550,062</u>	<u>3,550,062</u>		<u>1,180,000</u>
<i>Subtotal Expenditures</i>	<u><i>709,864</i></u>	<u><i>647,808</i></u>	<u><i>2,912,283</i></u>	<u><i>3,550,062</i></u>	<u><i>3,550,062</i></u>		<u><i>1,180,000</i></u>
Appropriated Fund Balance	<u>2,229,858</u>	<u>2,695,338</u>	<u>73,897</u>	<u>44,676</u>	<u>44,676</u>		<u>57,676</u>
<b>Total Requirements</b>	<u><b>2,939,722</b></u>	<u><b>3,343,146</b></u>	<u><b>2,986,180</b></u>	<u><b>3,594,738</b></u>	<u><b>3,594,738</b></u>		<u><b>1,237,676</b></u>

## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE0000</b>	<b>Fund 722</b>	<b>Wastewater System Development Charges</b>
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### Project Description

This project accounts for money collected during development in order to fund Wastewater projects.

### Need for Project

Since the establishment of the Wastewater System Development Charge (SDC), this fund has been used as the depository of these revenues, pending budgetary authorization for use of the funds.

**Estimated Total Project Cost:** These monies were allocated to specific projects during the Budget process.

### Resources

	<b>Actual Through FY'12</b>	<b>FY'13 Adopted</b>	<b>FY'13 Revised</b>	<b>FY'14 Adopted</b>	<b>Through FY'14</b>	<b>FY'15 Projected</b>	<b>Future Through FY'18</b>	<b>Total Project</b>
Wastewater SDC's	2,926,807	150,000	150,000	150,000	<b>3,226,807</b>	150,000	450,000	<b>3,826,807</b>
Wastewater SDC's to Projects	(3,442,963)	(200,000)	(200,000)	(200,000)	<b>(3,842,963)</b>	(150,000)	(4,750,000)	<b>(8,742,963)</b>
RSSSD SDC's	437,129				<b>437,129</b>			<b>437,129</b>
Investment/Loan Interest	182,839				<b>182,839</b>			<b>182,839</b>
					<b>0</b>			<b>0</b>
					<b>0</b>			<b>0</b>
<b>Total Resources</b>					<b>3,812</b>			<b>(4,296,188)</b>

### Requirements

Expenditures					<b>0</b>			<b>0</b>
Transfers					<b>0</b>			<b>0</b>
<b>Ending Balance by Year</b>	<b>103,812</b>	<b>30,308</b>	<b>53,812</b>	<b>3,812</b>	<b>3,812</b>	<b>3,812</b>	<b>(4,296,188)</b>	<b>(4,296,188)</b>
<b>Total Requirements</b>					<b>3,812</b>			<b>(4,296,188)</b>

## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE0000</b>	<b>Fund 725 Wastewater Advanced Financing</b>
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### Project Description

This project is used by our accounting function to account for all funds reimbursed to the wastewater utility from Advance Financed District (AFD) projects for which the utility was the project developer and revenue source.

### Need for Project

The City Council has implemented a series of rate system structures to prepare for these projects, and this account is the method for accumulating all resources available to the system.

**Estimated Total Project Cost:** This project has no cost. It is an accounting entity for the purpose of accumulating resources.

### Resources

	<b>Actual Through FY'12</b>	<b>FY'13 Adopted</b>	<b>FY'13 Revised</b>	<b>FY'14 Adopted</b>	<b>Through FY'14</b>	<b>FY'15 Projected</b>	<b>Future Through FY'18</b>	<b>Total Project</b>
Wastewater AFD's	341,770	1,000	1,000	1,000	<b>343,770</b>	1,000	3,000	<b>347,770</b>
Wastewater AFD's to Projects	(276,800)	(8,282)	(8,282)	(1,000)	<b>(286,082)</b>	(1,000)	(3,000)	<b>(290,082)</b>
Investment Interest	23,632				<b>23,632</b>			<b>23,632</b>
<b>Total Resources</b>					<b>23,632</b>			<b>23,632</b>

### Requirements

Expenditures	80,940				<b>80,940</b>			<b>80,940</b>
Transfers/ Contingency					<b>0</b>			<b>0</b>
<b>Ending Balance by Year</b>	<b>7,662</b>	<b>0</b>	<b>380</b>	<b>380</b>	<b>380</b>	<b>380</b>	<b>380</b>	<b>380</b>
<b>Total Requirements</b>					<b>81,320</b>			<b>81,320</b>

## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE0000</b>	<b>Fund 728 Sewer Capital Projects – General</b>
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### Project Description

This project description is used by our accounting function to account for all funds located in the wastewater capital projects funds that are not specifically appropriated to a project. All funds from System Development Charges and all surplus from wastewater operations are deposited in the capital projects fund. When appropriations are needed in the ensuing fiscal period, or if construction scopes are altered to respond to changed conditions, this project is the source for financing for the projects.

### Need for Project

The City Council has implemented a series of rate system structures to prepare for these projects, and this account is the method for accumulating all resources available to the system.

**Estimated Total Project Cost:** This project has no cost. It is an accounting entity for the purpose of accumulating resources.

### Schedule

The cash financing accumulation for the wastewater expansion will be continued in this account, with interim financing for the next phase of construction augmenting cash flow to allow the single debt basis anticipated in the rate analysis.

### Resources

	<b>Actual Through FY'12</b>	<b>FY'13 Adopted</b>	<b>FY'13 Revised</b>	<b>FY'14 Adopted</b>	<b>Through FY'14</b>	<b>FY'15 Projected</b>	<b>Future Through FY'18</b>	<b>Total Project</b>
Wastewater Operations Fund Transfers	8,482,534	951,750	951,750	959,000	<b>10,393,284</b>	891,000	2,600,000	<b>13,884,284</b>
Wastewater Capital & SDC's to Projects	(12,330,704)	(1,025,000)	(1,025,000)	(1,430,000)	<b>(14,785,704)</b>	(880,000)	(8,780,000)	<b>(24,445,704)</b>
Advance Finance	279,485	8,282	8,282	1,000	<b>288,767</b>	1,000	3,000	<b>292,767</b>
Investment Interest	2,172,657	1,000	1,000	1,000	<b>2,174,657</b>	1,000	3,000	<b>2,178,657</b>
Wastewater & RSSSD SDC's	1,624,935				<b>1,624,935</b>			<b>1,624,935</b>
Other	860,166		448,293		<b>1,308,459</b>			<b>1,308,459</b>
<b>Total Resources</b>					<b>1,004,398</b>			<b>(5,156,602)</b>

### Requirements

Expenditures	469,023				<b>469,023</b>			<b>469,023</b>
Transfers	494,891				<b>494,891</b>			<b>494,891</b>
<b>Ending Balance by Year</b>	<b>125,159</b>	<b>43,589</b>	<b>509,484</b>	<b>40,484</b>	<b>40,484</b>	<b>53,484</b>	<b>(6,120,516)</b>	<b>(6,120,516)</b>
<b>Total Requirements</b>					<b>1,004,398</b>			<b>(5,156,602)</b>

## Program: Utilities/Wastewater – Capital Construction

**Project SE4745 WRP/JO-GRO™ Equipment Improvement**

### Project Description

This is the replacement fund for miscellaneous equipment such as gas blender, aeration basin mixers, various pumps, compressors and motors.

### Need for Project

Each year pieces of equipment fail due to age and/or mechanical failure. The equipment audit identified various pieces of equipment which will need to be replaced over time. This project will allow the funding of replacement equipment when needed. This project will be similar in nature to SE4161 – Accelerated Maintenance.



**Council Strategic Goal:** Maintain, Operate and Expand Our Infrastructure to Meet Community Needs  
Objective 3: Ensure sewer infrastructure needs are met.

**Future and Ongoing Costs:** Evaluation and repair of unanticipated problems.

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

### Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future Through FY'18	Total Project
Wastewater Capital Projects	350,000	50,000	50,000	50,000	450,000	50,000	150,000	650,000
					0			0
					0			0
<b>Total Resources</b>					450,000			650,000

### Requirements

Expenditures	286,311	75,000	75,000	88,689	450,000	50,000	150,000	650,000
Transfers/ Contingency					0			0
<b>Ending Balance by Year</b>	<b>63,689</b>	<b>0</b>	<b>38,689</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					450,000			650,000

## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE4960</b>	<b>JO-GRO™ Miscellaneous Upgrades</b>
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### Project Description

This project will provide a physical storm water barrier between the green waste and compost areas. Site paving needs to be repaired/replaced. Concrete will be evaluated as an alternative to asphalt.

### Need for Project

Storm water sampling with a high e-coli count will penalize the City's WRP NPDES permit. Separation of the green waste area and the compost area will clarify where the e-coli is originating. Current site paving is failing.



**Council Strategic Goal:** Maintain, Operate and Expand Our Infrastructure to Meet Community Needs  
Objective 3: Ensure sewer infrastructure needs are met.

**Future and Ongoing Costs:** Separation of green waste area and compost area **DID NOT** clarify origination of e.coli. Formal engineering analysis and recommendation is underway.

New project budget based upon site storm water reconfiguration. Pond is to be relocated and the effluent is to be treated prior to discharge. Site paving is to be repair/replaced after site storm water reconfiguration.

**Estimated Total Project Cost:** \$1,200,000 revised from \$479,000

### Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Wastewater Capital Projects	629,000	250,000	250,000	350,000	1,229,000			1,229,000
Other	20				20			20
					0			0
<b>Total Resources</b>					1,229,020			1,229,020

### Requirements

Expenditures	290,215	510,193	200,000	738,805	1,229,020			1,229,020
Transfers/ Contingency					0			0
<b>Ending Balance by Year</b>	<b>338,805</b>	<b>0</b>	<b>388,805</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					1,229,020			1,229,020

## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE4963</b>	<b>Update WRP Facility Plan</b>
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### Project Description

This project will update the facility plan.

### Need for Project

ODEQ has suggested updating the facilities plan approximately every 5 years. The update will verify design basis for the planned phase 2 expansion. Most funding options for the planned expansion will require a current facilities plan. Methane gas generation will be evaluated with the new plan.



**Council Strategic Goal:** Maintain, Operate and Expand Our Infrastructure to Meet Community Needs  
Objective 1: Plan for utility infrastructure.

**Future and Ongoing Costs:** Unknown at this time.

A seismic/structural evaluation component was added to the original intent of work. This increased the estimated project cost.

**Estimated Total Project Cost:** \$330,000 revised from original \$250,000 estimate

### Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Wastewater Capital Projects	250,000	25,000	80,000		330,000			330,000
					0			0
					0			0
<b>Total Resources</b>					330,000			330,000

### Requirements

Expenditures		250,000	330,000		330,000			330,000
Transfers/ Contingency					0			0
<b>Ending Balance by Year</b>	<b>250,000</b>	<b>0</b>						
<b>Total Requirements</b>					330,000			330,000

## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE4964</b>	<b>WRP Phase 2 Expansion</b>
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### Project Description

This project will expand aeration basin capacity, install reuse filtration, new secondary clarifier, thickener modifications and miscellaneous piping, electrical and SCADA improvements.



### Need for Project

The project will expand the capacity of the WRP and meet anticipated treatment requirements from ODEQ.

**Council Strategic Goal:** Maintain, Operate and Expand Our Infrastructure to Meet Community Needs  
Objective 3: Ensure sewer infrastructure needs are met.

**Future and Ongoing Costs:** Design and construction. Design of the expansion/improvements cannot occur until the Facilities Plan Update (SE 4963) is complete. Facilities Plan Update will take approximately 12 to 18 months to complete, once started. Design of expansion/improvements will take approximately 18 to 24 months after completion of Facilities Plan. Construction of designed expansion/improvements will last approximately 18 to 36 months.

**Estimated Total Project Cost:** \$12,025,000 revised from \$9,970,000 to reflect ENR index of Jan 2013

### Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Wastewater Capital Projects	232,000		23,000	250,000	<b>505,000</b>	250,000	1,840,000	<b>2,595,000</b>
Wastewater SDC's	630,000	200,000	200,000	200,000	<b>1,030,000</b>	150,000	1,000,000	<b>2,180,000</b>
Loan					<b>0</b>		7,250,000	<b>7,250,000</b>
<b>Total Resources</b>					<b>1,535,000</b>			<b>12,025,000</b>

### Requirements

Expenditures	30,173	999,345	100,000	1,404,827	<b>1,535,000</b>	400,000	10,090,000	<b>12,025,000</b>
Transfers/Contingency					<b>0</b>			<b>0</b>
<b>Ending Balance by Year</b>	<b>831,827</b>	<b>0</b>	<b>954,827</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					<b>1,535,000</b>			<b>12,025,000</b>

## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE5060</b>	<b>General Engineering</b>
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### Project Description

On November 2, 2010 the City of Grants Pass and Carollo Engineers, Inc. entered into a new, 3 year Wastewater Master Services Agreement for Professional Engineering and Permitting Services (MSA). With this MSA, a number of individual task orders will be assigned, negotiated and executed to undertake a variety of assignments on the City's wastewater facilities.

### Need for Project

Given the nature of these individual assignments, it is desired for Carollo to provide general engineering support and guidance for the overall wastewater program to develop the specific individual tasks.

New NPDES permit evaluation/support costs are much greater than anticipated.

**Council Strategic Goal:** Maintain, Operate and Expand Our Infrastructure to Meet Community Needs  
Objective 3: Ensure sewer infrastructure needs are met.

**Future and Ongoing Costs:** General support for Wastewater Fund (known and unknown).

Original Estimated Project Cost: \$15,000/year

**Revised Estimated Total Project Cost:** ~~\$25,000/year~~  
**\$ 20,000 Wastewater Capital**

~~\$ 5,000 RSSSD Capital~~

### Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future Through FY'18	Total Project
Wastewater Capital Projects	91,000	20,000	20,000	20,000	131,000	20,000	60,000	211,000
RSSSD Capital Project RS0000	5,000	5,000	5,000		10,000			10,000
					0			0
<b>Total Resources</b>					141,000			221,000

### Requirements

Expenditures	71,096	25,000	25,000	44,904	141,000	20,000	60,000	221,000
Transfers/ Contingency					0			0
<b>Ending Balance by Year</b>	<b>24,904</b>	<b>0</b>	<b>24,904</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					141,000			221,000

## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE5080</b>	<b>WRP Structural Repairs</b>
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### Project Description

This project will fund many minor repairs necessary for the proper operation and long term maintenance of the Water Restoration Plant. Included items are: roof repairs, exterior painting/restoration, stairways and landings. This project will also repair/install needed fall protection.

### Need for Project

The project is needed for efficiency and for safety. It will create a fund for a large number of small capital projects to ensure the longevity of the Water Restoration Plant and its supporting structures. Two outbuildings with flat roofs have wood rot and need to be re-roofed. We will convert the flat roofs to a slope roof with metal covers similar to other outbuildings we have on site.

**Council Strategic Goal:** Maintain, Operate and Expand Our Infrastructure to Meet Community Needs  
Objective 3: Ensure sewer infrastructure needs are met.

**Future and Ongoing Costs:** Evaluation and repair of both known and unknown deficiencies.

**Estimated Total Project Cost:** \$ 75,000/year as available

### Resources

	<b>Actual Through FY'12</b>	<b>FY'13 Adopted</b>	<b>FY'13 Revised</b>	<b>FY'14 Adopted</b>	<b>Through FY'14</b>	<b>FY'15 Projected</b>	<b>Future Through FY'18</b>	<b>Total Project</b>
Wastewater Capital Projects	83,000	75,000	75,000	75,000	<b>233,000</b>	75,000	225,000	<b>533,000</b>
					<b>0</b>			<b>0</b>
					<b>0</b>			<b>0</b>
<b>Total Resources</b>					<b>233,000</b>			<b>533,000</b>

### Requirements

Expenditures	55,618	75,000	75,000	102,382	<b>233,000</b>	75,000	225,000	<b>533,000</b>
Transfers/ Contingency					<b>0</b>			<b>0</b>
<b>Ending Balance by Year</b>	<b>27,382</b>	<b>0</b>	<b>27,382</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					<b>233,000</b>			<b>533,000</b>

## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE5081</b>	<b>Collection System Master Plan Update</b>
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### Project Description

This project will update the Collection System Master Plan completed in 2004.

### Need for Project

The Master Plan Update will identify infrastructure requirements and sizing to serve the enlarged Urban Growth Boundary.

**Council Strategic Goal:** Maintain, Operate and Expand Our Infrastructure to Meet Community Needs  
Objective 1: Plan for utility infrastructure.

**Future and Ongoing Costs:** After preliminary discussions to update and calibrate flow model, it has been determined original project cost estimate was low.

New flow model will be developed and flow monitoring will be complete FY'12. Completion of the Master Plan will not occur until after the UGB enlargement process is complete.

Original Estimated Total Project Cost: \$ 100,000

**Revised Estimated Project Cost: \$275,000** Revised from \$225,000 to reflect remaining RS share

### Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Wastewater Capital Projects	175,000	50,000	50,000	50,000	275,000			275,000
					0			0
					0			0
<b>Total Resources</b>					275,000			275,000

### Requirements

Expenditures	104,499	114,337	100,000	70,501	275,000			275,000
Transfers/ Contingency					0			0
<b>Ending Balance by Year</b>	<b>70,501</b>	<b>0</b>	<b>20,501</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					275,000			275,000

## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE 6012</b>	<b>Western Avenue Sewer Replacement</b>
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### Project Description

This project will replace and upsize old deteriorated concrete sewer pipe in Western Avenue from 'G' Street to the Water Restoration plant. Approximately 4,700 lineal feet of 18" diameter sewer pipe will be installed.

### Need for Project

The existing concrete pipe is severely deteriorated and is structurally failing. This pipeline serves the area west of Western Avenue from Upper River Road to the Rogue River. Increasing flows in the future are expected in the area due to growth. This pipeline also receives flow from the Bridge Street Pump Station. Currently the pipeline experiences surcharging during peak rainfall events. This project was ranked as the second priority for hydraulic capacity improvements in the 2004 Collection System Master Plan.

**Council Strategic Goal:** Maintain, Operate and Expand Our Infrastructure to Meet Community Needs  
Objective 3: Ensure sewer infrastructure needs are met.

**Future and Ongoing Costs:** Evaluation of both known and unknown deficiencies.

**Estimated Total Project Cost:** \$2,060,000 revised from \$1,800,000 to reflect ENR index of Jan 2013

### Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Wastewater Capital Projects					0		1,000,000	1,000,000
Wastewater SDC's 86%	10,000				10,000		1,050,000	1,060,000
					0			0
<b>Total Resources</b>					10,000			2,060,000

### Requirements

Expenditures	121	9,879	4,000	5,879	10,000		2,050,000	2,060,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	<b>9,879</b>	<b>0</b>	<b>5,879</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					10,000			2,060,000

## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE6064</b>	<b>Sewer Main Structural Repairs (Multiple Phases)</b>
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### Project Description

This project will replace very old structurally deficient sewer pipe in 5th Street, the alleys fronting 5th Street between 'M' and 'A' Streets and the alleys fronting Pine Street between Bridge and 'G' Streets. The alleys identified for repair will be ranked as to severity and the project completed in multiple phases.

### Need for Project

The majority of the sewer lines in the alleys are very old 6" pipe, have structural defects (cracks, holes and broken pipe) and extensive root encroachment which requires frequent and difficult cleaning and maintenance. This project combines the top two ranked priorities for structural repair in the 2004 Collection System Master Plan.

**Council Strategic Goal:** Maintain, Operate and Expand Our Infrastructure to Meet Community Needs  
Objective 3: Ensure sewer infrastructure needs are met.

**Future and Ongoing Costs:** Design and construction expected to continue as funding allows.

**Estimated Total Project Cost: \$3,700,000**

### Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Wastewater Capital Projects	690,000	275,000	175,000	250,000	<b>1,115,000</b>	400,000	1,885,000	<b>3,400,000</b>
General Fund				150,000	<b>150,000</b>	150,000		<b>300,000</b>
					<b>0</b>			<b>0</b>
<b>Total Resources</b>					<b>1,265,000</b>			<b>3,700,000</b>

### Requirements

Expenditures	105,925	465,000	575,000	584,075	<b>1,265,000</b>	550,000	1,885,000	<b>3,700,000</b>
Transfers/ Contingency					<b>0</b>			<b>0</b>
<b>Ending Balance by Year</b>	<b>584,075</b>	<b>0</b>	<b>184,075</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					<b>1,265,000</b>			<b>3,700,000</b>

## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE 6111</b>	<b>Mill Street Sewer Reconstruction</b>
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### Project Description

This project will replace approximately 9,500 linear feet of sewer main.

### Need for Project

Currently a large segment of the sewer main is near capacity and inaccessible for maintenance. The reconstruction will install new accessible main line, substantially reduce current inflow and infiltration problems and add capacity. The installation will effectively increase the capacity of the dual river siphons to beyond 2060. This project was identified in the Collection System Master Plan as a top priority.

**Council Strategic Goal:** Maintain, Operate and Expand Our Infrastructure to Meet Community Needs  
Objective 3: Ensure sewer infrastructure needs are met.

**Future and Ongoing Costs:** Evaluation of both known and unknown deficiencies.

**Estimated Total Project Cost: \$4,340,000** revised from \$4,150,000 to reflect ENR index of Jan 2013

### Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Wastewater Capital Projects					0		1,515,000	1,515,000
Wastewater SDC's 70%	125,000				125,000		2,700,000	2,825,000
					0			0
<b>Total Resources</b>					125,000			4,340,000

### Requirements

Expenditures		100,000	25,000	100,000	125,000		4,215,000	4,340,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	<b>125,000</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					125,000			4,340,000

## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE6112</b>	<b>Sewer Rate Study SE &amp; RS</b>
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### Project Description

This project will evaluate and recommend appropriate service area sewer rates after the master plans are updated.

### Need for Project

After the UGB is finalized, wastewater master plans will be updated. With the new capital improvement plans rates will need to be reviewed.

**Council Strategic Goal:** Maintain, Operate and Expand Our Infrastructure to Meet Community Needs  
Objective 3: Ensure sewer infrastructure needs are met.

**Future and Ongoing Costs:** NA

**Estimated Total Project Cost:** \$70,000 Revised from \$35,000 to reflect remaining RS share

### Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Wastewater Capital Projects	10,000	25,000	25,000	35,000	70,000			70,000
					0			0
					0			0
<b>Total Resources</b>					70,000			70,000

### Requirements

Expenditures		30,000	10,000	60,000	70,000			70,000
Transfers/ Contingency					0			0
<b>Ending Balance by Year</b>	<b>10,000</b>	<b>0</b>	<b>25,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					70,000			70,000

## Program: Utilities/Wastewater – Capital Construction

<b>Project</b> <b>SE6156 Sewer Mains Related to Overlays</b>
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### Project Description

This project will replace old structurally deficient sewer pipe in streets prior to scheduled overlay work.

### Need for Project

The majority of the sewer lines are old, have structural defects (cracks, holes and broken pipe) and extensive root encroachment which requires frequent and difficult cleaning and maintenance. This project will assist completion of underground infrastructure work prior to scheduled street overlays.

**Council Strategic Goal:** Maintain, Operate and Expand Our Infrastructure to Meet Community Needs

Objective 3: Ensure sewer infrastructure needs are met.

**Future and Ongoing Costs:** Design and construction of deficient mains.

**Estimated Total Project Cost:    \$1,900,000**

### Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Wastewater Capital Projects		50,000	50,000		50,000		1,850,000	1,900,000
Wastewater SDC's					0			0
					0			0
<b>Total Resources</b>					50,000			1,900,000

### Requirements

Expenditures	0	50,000	50,000		50,000		1,850,000	1,900,000
Transfers/ Contingency					0			0
<b>Ending Balance by Year</b>	<b>0</b>	<b>0</b>						
<b>Total Requirements</b>					50,000			1,900,000

## Program: Utilities/Wastewater – Capital Construction

<b>Project</b> <b>SE6198 Collection System Maintenance/Repair</b>
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### Project Description

This project will replace badly deteriorated sewer mains, or appurtenances, typically prior to paving due to street overlay, new development or alley repairs. In addition, this project will repair collection system deficiencies related to inflow and infiltration (I & I).

### Need for Project

The maintenance is needed to repair severely structurally defective sewer mains, or appurtenances, when encountered. Replacement prior to paving avoids the need to cut new or recently replaced paving due to sewer line failure. Recent storm events resulted in high flows from the Darneille Pump Station. The flows increased rapidly in correlation to the amount of rainfall indicating a large amount of I & I. This project will correct areas of excessive I & I identified with the recent flow monitoring information.

**Council Strategic Goal:** Maintain, Operate and Expand Our Infrastructure to Meet Community Needs  
Objective 3: Ensure sewer infrastructure needs are met.

### Future and Ongoing Costs

Evaluation and repair of unanticipated problems.

**Estimated Total Project Cost:** The target is \$75,000 per year when funds are available.

### Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Wastewater Capital Projects				125,000	125,000	75,000	225,000	425,000
Wastewater SDC's					0			0
					0			0
<b>Total Resources</b>					125,000			425,000

### Requirements

Expenditures				125,000	125,000	75,000	225,000	425,000
Transfers/ Contingency					0			0
<b>Ending Balance by Year</b>	0		0	0	0	0	0	0
<b>Total Requirements</b>					125,000			425,000

## Program: Utilities/Wastewater – Capital Construction

<b>Project</b> <b>SE6199 Pump/Lift Station Equipment Improvement</b>
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### Project Description

This is the replacement or rebuild project for miscellaneous equipment such as pumps, motors and emergency generators located at the various pump and lift stations. One of the first items identified to be in need of replacement is the emergency generator and associated electrical transfer gear at the Redwood Pump Station.

### Need for Project

Each year pieces of equipment fail due to age and/or mechanical fault. This project will allow the funding to replace or overhaul equipment when needed.

**Council Strategic Goal:** Maintain, Operate and Expand Our Infrastructure to Meet Community Needs  
Objective 3: Ensure sewer infrastructure needs are met.

### Future and Ongoing Costs

Replacement or repair of equipment as potential failure is identified.

**Estimated Total Project Cost: \$10,000/year as available**

### Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Wastewater Capital Projects				125,000	125,000	10,000	30,000	165,000
Wastewater SDC's					0			0
					0			0
<b>Total Resources</b>					125,000			165,000

### Requirements

Expenditures				125,000	125,000	10,000	30,000	165,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	0		0	0	0	0	0	0
<b>Total Requirements</b>					125,000			165,000

## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE6200</b>	<b>Spaulding Industrial Park Wastewater Infrastructure</b>
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### Project Description

This project will evaluate, develop and potentially construct wastewater infrastructure for the Spaulding Industrial Park. Potential wastewater infrastructure would include a basic collection system, a new pump station and associated force main. The initial evaluation will be to determine the extent of the service area (in addition to the Industrial Park) to serve the eastern end of the urban growth boundary. The service area determination will be required to appropriately size the infrastructure.

### Need for Project

Additional development in the eastern end of the urban growth boundary, both residential and industrial, will need to rely on a new pump station for sewer service.

**Council Strategic Goal:** Maintain, Operate and Expand Our Infrastructure to Meet Community Needs  
Objective 3: Ensure sewer infrastructure needs are met.

### Future and Ongoing Costs

Once the infrastructure components are properly sized and located, the estimated project cost will be revised to reflect required construction costs.

**Estimated Total Project Cost: \$2,500,000**

### Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Wastewater Capital Projects				100,000	100,000			100,000
Wastewater SDC's					0			0
					0			0
<b>Total Resources</b>					100,000			100,000

### Requirements

Expenditures				100,000	100,000			100,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					100,000			100,000

# Project Closed – FY 2013

## Program: Utilities/Wastewater – Capital Construction

**Project SE4161 Accelerated Maintenance**

**Project Description**

This project will replace badly deteriorated sewer mains, or appurtenances, typically prior to paving due to street overlay, new development or alley repairs.

**Need for Project**

The maintenance is needed to repair severely structurally defective sewer mains, or appurtenances, when encountered. Replacement prior to paving avoids the need to cut new or recently replaced paving due to sewer line failure.



**Future and Ongoing Costs:** Evaluation and repair of unanticipated problems.

**Project to Close.** A new project will be established.

**Estimated Total Project Cost:** The target is \$50,000 per year when funds are available.

**Resources**

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future Through FY'18	Total Project
Wastewater Capital Projects	351,641	75,000	40,000		391,641			391,641
Other	8,049				8,049			8,049
					0			0
<b>Total Resources</b>					399,690			399,690

**Requirements**

Expenditures	291,092	75,000	78,598		369,690			369,690
Transfers/Contingency	30,000				30,000			30,000
<b>Ending Balance by Year</b>	<b>38,598</b>	<b>0</b>						
<b>Total Requirements</b>					399,690			399,690

## Project Closed – FY 2013

### Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE4998</b>	<b>Update Industrial Pretreatment Program</b>
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**Project Description**

Update the pretreatment program.

**Need for Project**

An inspection by ODEQ, Pretreatment Program Coordinator revealed the City’s pretreatment program needed to be updated to achieve compliance with the regulations. The City submitted a plan to correct the found deficiencies. The deficiencies must be addressed and corrected prior to the next audit.

Due to ODEQ staff turnover and rule changes, program update was substantially delayed. The proposed rule change has been completed. Program update was submitted to ODEQ FY12. After ODEQ review and approval, a practice audit will be completed.

**Future and Ongoing Costs:** Not applicable.

**Program Update Complete**

**Estimated Total Project Cost: \$210,000**

**Resources**

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Wastewater Capital Projects	212,000				212,000			212,000
					0			0
					0			0
<b>Total Resources</b>					<b>212,000</b>			<b>212,000</b>

**Requirements**

Expenditures	203,513	3,529	8,487		212,000			212,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	<b>8,487</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					<b>212,000</b>			<b>212,000</b>

## Project Closed – FY 2013

### Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE6067</b>	<b>Sewer Siphon Line Inspection</b>
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**Project Description**

This project will utilize sonar and laser technology to inspect the existing 30 inch sewer siphon which crosses the Rogue River at the wastewater treatment plant. The inspection shall require the services of a specialized sewer inspection contractor.

**Need for Project**

The sewer siphon line was installed in 1962 and has never been TV inspected by city crews due to the limitations of standard TV camera equipment. The inspection will provide information concerning both the pipe’s structural condition and the amount of debris accumulation present.

**Future and Ongoing Costs:** Inspection costs and access issues far greater than anticipated.

**Project Complete** zero and close

Estimated Total Project Cost: \$30,000  
**Revised Estimated Project Cost: \$70,000**

**Resources**

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Wastewater Capital Projects	70,000		-43,293		26,707			26,707
					0			0
					0			0
<b>Total Resources</b>					26,707			26,707

**Requirements**

Expenditures	26,707				26,707			26,707
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	<b>43,293</b>	<b>0</b>						
<b>Total Requirements</b>					26,707			26,707

## Project Closed – FY 2013

### Program: Utilities/Wastewater – Capital Construction

<b>Project</b> <b>SE6133 Influent Control Structure Repair</b>
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**Project Description**

This project will repair damaged concrete at the influent control structure. To repair the concrete, a bypass system around the influent control structure must be designed and installed. To minimize future buildup of hydrogen sulfide gas, a permanent ventilation system will be installed.

**Need for Project**

Hydrogen sulfide gas has accumulated and severely corroded concrete in the influent control structure.

**Future and Ongoing Costs**

Routine maintenance and gas monitoring.

**Project Complete** zero and close

**Estimated Total Project Cost:    \$180,000**

**Resources**

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Wastewater Capital Projects	50,000	130,000	135,000		<b>185,000</b>			<b>185,000</b>
Wastewater SDC's					<b>0</b>			<b>0</b>
					<b>0</b>			<b>0</b>
<b>Total Resources</b>					<b>185,000</b>			<b>185,000</b>

**Requirements**

Expenditures	17,733	130,000	167,267		<b>185,000</b>			<b>185,000</b>
Transfers/ Contingency					<b>0</b>			<b>0</b>
<b>Ending Balance by Year</b>	<b>32,267</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					<b>185,000</b>			<b>185,000</b>

## Project Closed – FY 2013

### Program: Utilities/Wastewater – Capital Construction

<b>Project</b> <b>SE6176 SW K Street Sewer Replacement</b>
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#### Project Description

This project will replace approximately 365 feet of badly deteriorated 8 inch concrete sewer pipe with 8 inch 3034 plastic pipe on SW K Street between SW Alder Street and SW Greenwood Avenue.

#### Need for Project

The existing pipe line contains numerous cracks and holes as a result of extreme pipe corrosion. Several voids are present surrounding the pipe line thus increasing the risk of sinkholes developing within the public right of way.

**Future and Ongoing Costs:** Design and construct.

#### Project to Close

**Estimated Total Project Cost: \$95,000**

#### Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Wastewater Capital Projects			95,000		0			0
Wastewater SDC's					0			0
					0			0
<b>Total Resources</b>					0			0

#### Requirements

Expenditures			95,000		0			0
Transfers/ Contingency					0			0
<b>Ending Balance by Year</b>	0	0	0	0	0	0	0	0