



# CAPITAL IMPROVEMENT PLAN

City of Lake Oswego, Oregon

FY 2013/14 – 2017/18  
Adopted June 4, 2013





May 23, 2013

Dear Mayor Studebaker and Members of the City Council:

I am pleased to present the five-year Capital Improvement Plan (CIP) that is the most comprehensive to date.

There has been a concerted effort between the City Manager's Office and Public Works to paint a comprehensive picture of the City's overall capital needs. The unfunded pages are shown in yellow to visually demonstrate future needs. The total cost for unfunded projects totals more than \$420 million, which is more than triple the amount that was shown in the CIP two years ago.

In particular, the CIP shows that there is a substantial gap in funding in roadway maintenance in order to bring the City's overall street network up to a minimum "good" condition. The Budget Committee has recognized that street maintenance is one of the critical issues facing the City and has recommended a budget that includes an additional \$784,000 in pavement preservation funding.

The CIP played a larger role in this year's Budget Committee proceedings than in the past. During the final meeting, the Budget Committee made the decision to fund the number one unfunded pathway project of installing a pathway from Cornell to Hallinan along Laurel Street in coordination with waterline construction. The CIP facilitated this decision by including a priority listing of the unfunded pathway projects. The Budget Committee's recommendation to increase funding to pathways and pavement demonstrates that the CIP is an important decision making tool.

This fiscal year, the Engineering Division has completed several successful projects. The City received the 2012 Asphalt Pavement Association of Oregon Excellence in Paving Award for Urban Arterials for the A Avenue Rehabilitation Project, which was completed last summer. The Engineering Division also completed a project to replace more than 10,000 feet of water pipeline. In addition, pathway segments on Pilkington and McEwan were built this year to make it safer for children, parents, and residents to travel to Rivergrove Elementary and Pilkington Park. This project was made possible by a \$495,000 Safe Routes to School Grant. Also, a failed retaining wall was replaced along the Stafford Road pathway.

The CIP also points to several issues that have yet to be resolved. Last November, staff made a recommendation to the former City Council to authorize three new FTEs to be paid for by the Wastewater Fund to implement the Wastewater Master Plan. The decision was delayed to an undetermined date in the future. The new employees are needed to conduct condition assessments, develop policies, oversee flow monitoring, engineer pipe and pump station replacements, and manage the construction of those capital projects. Currently, in the Wastewater section of the CIP, the out-years have only 2 projects because there is 0.5 FTE in the Engineering Division that is currently dedicated to engineering wastewater projects.

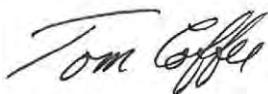
The second issue is that the City of Portland is in the process of figuring out how much money it will take to upgrade the Tryon Creek Wastewater Treatment Plant. The City of Lake Oswego is responsible for paying for half of any improvements that are needed. Fortunately, the City has a healthy fund balance in the Wastewater Fund and this money will be critical in defraying the annual payments that will be made to improve the Wastewater Treatment Plant.

An additional issue that needs to be resolved is that the Boones Ferry Road Improvement Project does not have a Council approved funding strategy. The project is estimated to cost between \$27 million and \$29 million. The City has a \$5 million bond that was approved by the voters last November. The project is also a finalist for a \$4 million grant from the Oregon Department of Transportation (ODOT). Currently, the City is in the process of scoping the project with ODOT and anticipates finding out if the grant will be awarded in October or November of this year. As shown in the CIP, there is \$365,000 in System Development Charge (SDC) funds that are dedicated to allow staff to start scoping and engineering the project in FY 2013-14.

Finally, there are \$88.7 million in investments that are needed to replace and upgrade several City facilities. The current Operations Center at Jean Road is outdated, undersized, non-earthquake compliant, and in poor condition. If a major earthquake occurred, it is expected that most of the facility would be destroyed, which would severely impact Operation's ability to respond to emergencies in the City. The City's 911 Dispatch Center, LOCOM, is currently located at the City Hall Building, which is also susceptible to earthquakes. Additionally, the South Shore Fire Station is in poor condition and is in need of replacement. There are several other buildings that are in need of repairs and replacement, such as the library and City Hall.

The need to invest in capital, such as roads and emergency vehicles, has lead to some tough decisions in reallocating resources, but I believe that it is critical that the we take care of what we have to ensure that Lake Oswego stays a great community.

Sincerely,

A handwritten signature in black ink that reads "Tom Coffee". The signature is written in a cursive, flowing style.

Tom Coffee  
City Manager

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Mike Kehoe, Council President  
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Donna Jordan  
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Jim Johnson, Vice Chair  
Randy Arthur  
Puja Bhutani  
Todd Hennelly  
Todd Prager  
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## **Citizen Budget Committee**

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Ron Smith, Vice Chair  
Charles Collins  
Jackie Manz  
Craig Prosser  
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# CREDITS

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## City of Lake Oswego Capital Improvement Plan (CIP)

### Introduction

The Capital Improvement Plan (CIP) is a 5-year planning tool that identifies infrastructure and major equipment investments that are necessary to provide City services. The CIP is an important part of the overarching Capital Improvement Program, which consists of a combination of financing, planning, engineering, and constructing capital projects. The Fiscal Year 2013-14 to 2017-18 CIP prioritizes the capital infrastructure needs of the City by scheduling projects within a five-year window as determined by projections of available funds within the General Fund and Utility Funds. The scheduled projects in the out-years are not intended to be a spending commitment but are included to show an approximate plan for what projects are considered to be a priority at this particular snapshot in time. As shown in this CIP document, there are more capital needs than available funding. The capital infrastructure needs within the Capital Improvement Program are identified through a variety of sources, including asset management, Master Plans, City Council goals, operational (i.e. service delivery) needs and regulatory obligations. The CIP identifies and allocates available funds for the installation or improvement of public infrastructure projects for each relevant program area. The program areas included within the CIP are:

1. Parks and Open Space
2. Transportation
  - a) Roadway Pavement Improvements
  - b) Intersections
  - c) Pathways
  - d) Bicycle/Pedestrian Pathways
3. Utilities
  - a) Water
  - b) Lake Oswego - Tigard Water Partnership
  - c) Surface water
  - d) Wastewater
  - e) Lake Oswego Interceptor Sewer (LOIS)
4. Facilities
5. Miscellaneous Capital
6. Large Capital

Also built-in into the document are the appendices, which include the following:

- A description of CIP elements
- Glossary
- Description of CIP development
- A list of projects for the Lake Oswego Redevelopment Agency (LORA).

City of Lake Oswego's CIP funding sources and revenues include property taxes, utility rates, state gas tax and vehicle registration fees, grants, System Development Charges (SDCs) and developer fees. These revenues are projected on an annual basis, taking into account current and potential development activity, rate adjustments, and state assistance. Revenues are inadequate to fund all projects that are needed. In addition, many revenues have constraints as to what projects the funds can and cannot be used on.

# INTRODUCTION

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## **Purpose of this Document**

The CIP document is intended to provide information and value regarding the City's capital investment strategy to a wide range of stakeholders (i.e. City Council, Council Boards and Commissions, staff, developers, contractors and citizens).

As noted earlier, the CIP is driven by system needs (i.e. required services and/or deficiencies), system master plans and Council/community goals. The wastewater collection and conveyance system master plan update was adopted this past December of 2012 and provides guidance on capital investment strategies. The transportation system plan (TSP) update will be completed this calendar year and will leave the water distribution system master plan as a lone public facility plan needing to be updated. The last update was 2001. The Parks Master Plan Update is scheduled for City Council adoption for summer 2013.

Related to our master planning efforts, the City of Portland is completing the Tryon Creek Wastewater Treatment Plant (TCWWTP) Facility Plan Update. This update is intended to be completed by the end of the calendar year of 2013. The facility plan update will identify future TCWWTP improvements, the cost of those improvements and an anticipated timeline of when those improvements will need to be constructed. The City's wastewater ratepayers will be responsible to contribute 50% for those improvements based on a cost sharing methodology in our IGA with the City of Portland. When this facility plan update is completed, future CIP documents will identify the City's portion of the TCWWTP projects within the Wastewater Fund.

The capital investment projects included within the CIP are critical for delivering sustainable City services (i.e. meet economic, social and environmental goals) for the community. City staff is thoughtfully pursuing implementation of recognized best practices, to effectively manage (i.e. plan, design, construct, operate and maintain) our infrastructure assets.

Recent efforts over the past year include updating of our computerized maintenance management system (CMMS). The updated CMMS is an improved tool to manage the City's infrastructure assets efficiently and effectively. Public Works Operations has implemented the use of "tablet" computers in the field, which is eliminating paper, increasing the productivity of the "service request" and "work order" process. Staff is now able to respond to, complete and document "work-order" activities directly in the field, saving time and resources. These activities were formerly recorded on paper, and then input into the CMMS by administrative staff later. The data collected in the CMMS (i.e. labor, materials, tools and equipment) is linked directly to the assets the work order was generated for and provides the information necessary to provide true costs for infrastructure services. These computers also provide field staff with direct access to system maps and "as-built" drawing which eliminates the need to return to the Operations Center or travel to City Hall for this vital information. This saves time, fuel and reduces vehicle emissions.

The CMMS also serves as the repository, not only for operations and maintenance activities regarding our infrastructure assets, but also as an asset registry (type, age, size, material, etc.) for our infrastructure components. The wastewater program just received a new digital video inspection (CCTV) van that replaced our old analog (i.e. VHS video cassette) system. With this equipment we have moved to utilizing the nationally recognized PACP (pipeline assessment certification program) condition assessment protocols to evaluate the wastewater collection system. This digital technology is much more effective to use and provides easier access to information, better reliability and management of the information (i.e. electronic files are back-up up daily/weekly/monthly).

# INTRODUCTION

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Continued to improvement and refinement regarding how we manage our assets has resulted based on our better understanding of how the assets perform in relationship to the need to meet service level demand. This CIP document is becoming a very useful tool regarding the City's business investment plan for infrastructure. As these efforts continue to mature, our investment decisions and O&M strategies will ultimately be made based on risk. Business Risk Evaluation (BRE) which considers the probability of failure and the consequences of failure of our assets is an internationally recognized as a best practice regarding asset management.

Failure is defined as the inability of an asset to meet minimum service level expectations. There are four basic modes of asset failure, including:

- Unable to perform at the required level of service (i.e. capacity)
- Unable to meet regulatory requirements or other obligations (i.e. federal/state mandates)
- Reached physical mortality or end of life (i.e. worn out)
- Unable to perform cost effectively (i.e. operationally inefficient)

It is important to recognize that the City's infrastructure portfolio is very large, with many competing needs. Unfortunately, there is never enough financial resources available to meet all of those needs within the timelines requested. The City Council is burdened with making very difficult decisions regarding where those resources are allocated. The goal is to equip our decision makers with the most objective information available on which to make these difficult investment decisions by basing recommendations for capital investments on prioritized community services, level of those services, risk and sustainable lowest life cycle cost to provide those services.

As we continue to improve our understanding of our public infrastructure assets, service level expectations, risk and financial realities, we will continue to evolve to achieving sustainable, lowest life cycle costs for services provided to the community. The CIP document is intended to become a transparent community guide on how and why investment in public infrastructure is made for the City of Lake Oswego.

## **Project Ranking**

All of the projects in the CIP were evaluated and prioritized. A number of factors were considered when ranking projects, which are specific to each category. Generally, projects received priority if they were:

- Mandated projects
- Projects necessary for health and safety
- Projects already in process
- Projects related to other funded projects
- Projects necessary for maintenance
- Projects identified in master plans
- Projects that are identified in the City Council Goals
- Citizen and neighborhood interest projects
- Financially cost effective projects
- Grant-funded projects

While the previously stated factors are considered, each category is unique and requires tailored consideration when ranking the projects. The following describes, in greater detail, the methodology that was used to prioritize each project on a category by category basis:

# INTRODUCTION

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## Parks & Open Spaces

The Parks projects were prioritized based on a variety of factors, such as the condition of the existing asset that is to be replaced, on whether a safety issue exists, or whether an upgrade or replacement is necessary to meet American Disability Act (ADA) requirements. New buildings or pathways were given a lower priority. The projects contained within the Parks section are endorsed by the Parks and Recreation Advisory Board (PRAB).

## Roadways

The priority of road projects were largely based on a combination of the Pavement Condition Index (PCI) rating, cost per square yard of improvement, overall cost, and average daily traffic (ADT). A project was considered as a priority if it was cost-effective, widely used on a daily basis, and if the condition of the road necessitates that the road is fixed. The lower the PCI does not necessarily translate to a higher priority, since the cost per yard to fix the road becomes more expensive as the PCI declines. The cost per yard becomes exponentially more expensive once a road deteriorates past an approximate PCI of 30 and needs to be reconstructed.

## Pathways

The rankings are in the process of being updated as part of the Transportation System Plan (TSP) process. As a placeholder, the pathways are principally based on the Transportation Advisory Board (TAB) criteria. TAB's criteria gives points to pathways based on the proximity of the pathway to schools, connectivity, street classification, equity, neighborhood support, proximity to other pedestrian generators and overall cost.

## Water and Wastewater

The rankings are based on the projects that are identified in Master Plans as needing rehabilitation, replacement, or construction.

## Surface Water

The majority of projects were derived from the Clean Streams Plan and the rankings were based on a combination of factors, such as the level of need based on the deterioration of the asset, impact to water quality by completing the project, and opportunity to combine the project with other utility projects.

## Facilities

The projects in the Facilities section are anticipated to be prioritized as part of Council Goal 1 to develop a Comprehensive Strategy for Major Public Facility and Transportation Projects. The placeholder ranking is currently based on the sustainability criteria.

## Miscellaneous Capital

The two Police equipment items are given preference over the Lake Grove Village Center Items because there are significant operational and safety implications tied to the police equipment.

## **Synopsis**

The Capital Improvement Program establishes, prioritizes, and ensures funding for projects to improve existing infrastructure or to pave the way for new development. Development of the Capital Improvement Program is a culmination of efforts detailed into one five-year program. The CIP outlines expenditures of approximately \$121.5 million in funded investments for FY 2013-14. The CIP also plans for an additional \$117.6 million in potential funding for FY 2014-15 to FY 2017-18; however, the projects contained in the out-years are intended to give an approximate idea of priority projects in the future and do not constitute a commitment to funding. At this time, there is a total of \$418.9 million in projects that are identified as a need but are not planned for

# INTRODUCTION

funding over the next five-years. Each project has been budgeted to provide consistent service levels and efficient use of City resources. Completion of the projects contained in this document leads the City towards being Oregon's most livable city.

## Expenditure Summary by Fund for FY 2013-14 as Budgeted

Fund	Budgeted for FY 2013-14
General	\$ 631,000
Tourism	74,000
Golf	30,000
Public Art	12,000
Engineering	35,000
Street	4,161,000
Water	265,000
Lake Oswego- Tigard Partnership	112,208,000
Wastewater	2,350,000
Surface Water	1,123,000
Transportation SDCs	525,000
Operations Svcs & Motor Pool	45,000
<b>Total</b>	<b>\$ 121,459,000</b>

## Expenditure Summary for All Program Areas — FY 2013-14 to FY 2016-17

Program Area	Funds	Budgeted FY 2013-14	Projected for Funding FY 2014-15 to 2017-18	Unfunded
Parks and Open Space	General/ Parks SDCs	\$ 150,000	\$ 1,083,000	\$ 7,077,000
Roadways	Street	4,089,000	20,793,000	100,552,000
Intersections	Street	25,000	270,000	145,000
Pathways	Street/Transp. SDCs	502,000	2,060,000	19,244,000
Bicycle/Pedestrian	Bicycle	0	140,000	0
Water	Water	230,000	2,295,000	44,000,000
LO-Tigard	Water/ Water SDCs	112,208,000	79,571,000	0
Surface Water	Surface Water	743,000	3,657,000	11,899,000
Wastewater	Wastewater	2,275,000	2,147,000	132,969,000
Facilities	General/ Tourism	99,000	0	88,714,000
Miscellaneous Capital	General/ Public Art	190,000	1,478,000	14,319,000
Large Capital Equipment	General/ Utility Funds	948,000	4,145,000	0
<b>Totals</b>		<b>\$121,459,000</b>	<b>\$117,639,000</b>	<b>\$418,919,000</b>

# INTRODUCTION

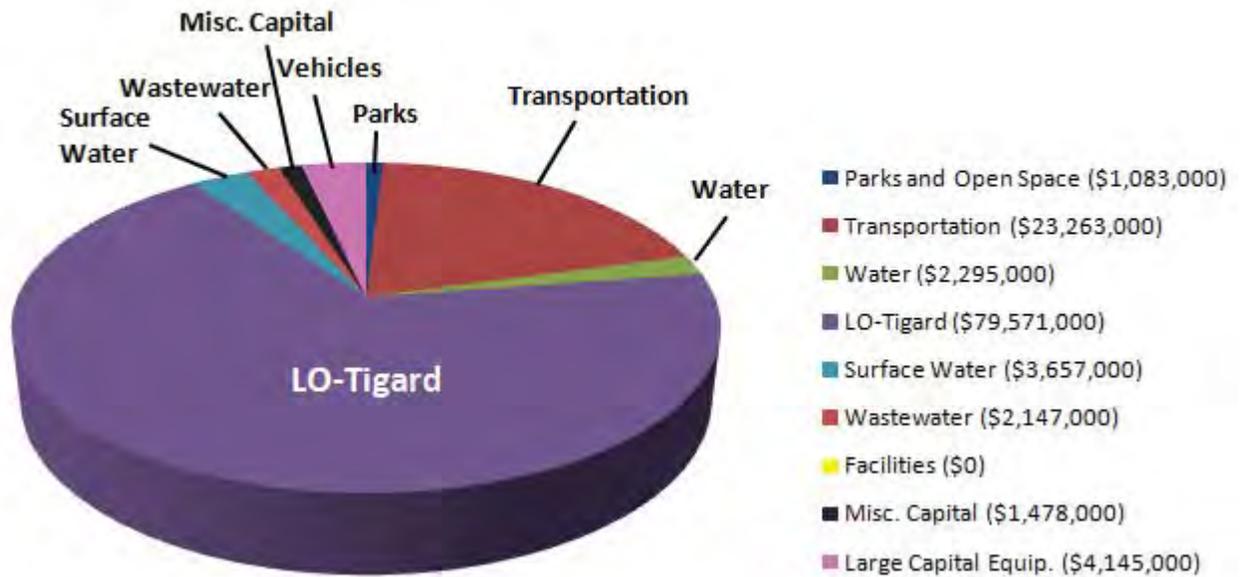
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Expenditure Graph for All Program Areas  
Budgeted (FY 2013-14):



# INTRODUCTION

Projected for Funding (FY 2014-15 to FY 2017-18):



# INTRODUCTION

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# FUNDING PLAN SUMMARY

## City of Lake Oswego 5-Year Capital Improvement Plan FY 2013/14 - 2017/18

Parks and Open Space	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
George Rogers Park Playground Replacement		General	150,000					150,000
Greentree Park Playground Replacement		General		45,000				45,000
East Waluga Park Picnic Shelter & Snack Shack		General		46,000				46,000
East Waluga Park Playground		General		70,000				70,000
Westridge Sidewalk		General		40,000				40,000
George Rogers Bathroom & Storage Replacement		General			530,000			530,000
Westlake Baseball Field Replacement		General				49,000		49,000
Freepons Park Playground Replacement		General				55,000		55,000
Westridge Playground Replacement		General					65,000	65,000
Pilkington Park Restrooms		General					183,000	183,000
<b>Total</b>			<b>150,000</b>	<b>201,000</b>	<b>530,000</b>	<b>104,000</b>	<b>248,000</b>	<b>1,233,000</b>

### Unfunded

George Rogers Park - Ladd Street/Phases 5 & 6	1	General/SDC						2,730,000
Tryon Creek Pedestrian Bridge	2	General/SDC						1,800,000
Roehr Park Pathway	3	General						367,000
LO-Milwaukie	4	General/Grant						100,000
Turf to Surf Rail with Trail	5	General/Grant						150,000
B Avenue Plaza at Foothills Park	6	TBD						535,000
Trails		General						635,000
Luscher Farm Restoration Projects		General						760,000
<b>Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,077,000</b>

# FUNDING PLAN SUMMARY

## Transportation

Roadways	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Citywide Pavement Preservation		Street	984,000					<b>984,000</b>
Kerr Parkway Rehabilitation Project		Street	2,425,000					<b>2,425,000</b>
Westlake Dr Repaving Project		Street	124,000	596,000				<b>720,000</b>
Upper Boones Ferry Road Rehabilitation Project		Street	149,000	1,004,000				<b>1,153,000</b>
Jefferson Parkway Rehabilitation Project		Street		234,000	1,557,000			<b>1,791,000</b>
Country Club Road Rehabilitation Project		Street			166,000	1,091,000		<b>1,257,000</b>
Wembley Park Rd Rehabilitation Project		Street				275,000	1,783,000	<b>2,058,000</b>
Lake Oswego Transit Center		Street				110,000	1,102,000	<b>1,212,000</b>
Blue Heron Rd Rehabilitation & Drainage Improvements		Street					176,000	<b>176,000</b>
Annual Mountain Park Street Light Conversion		Street	42,000	50,000	50,000	50,000	50,000	<b>242,000</b>
Boones Ferry Road Improvements - Phase 1 is funded by Transportation SDCs.		Bonds/Grant/SDCs/TIF	365,000	394,000	1,337,000	4,823,000	5,945,000	<b>12,864,000</b>
			<b>4,089,000</b>	<b>2,278,000</b>	<b>3,110,000</b>	<b>6,349,000</b>	<b>9,056,000</b>	<b>24,882,000</b>

## Unfunded

Citywide Pavement Preservation	1	Street						<b>14,616,000</b>
Boones Ferry Rd Improvements - Phase 2	2	TIF						<b>9,000,000</b>
West Sunset Extension	3	TBD						<b>1,300,000</b>
Lakeview Blvd Street and Drainage Improvements	4	Street						<b>3,049,000</b>
Red Fox Hills Street Lighting Conversion	5	Street						<b>65,000</b>
Bridge Repair & Replacement Fund - Citywide	6	Street						<b>50,000,000</b>
Tryon Creek Bridge and Culvert Replacement	7	Street						<b>12,000,000</b>
Foothills Road Phase I from A to B Avenues	8	Street/TBD						<b>2,790,000</b>
Foothills Road Phase II North of B Avenue	9	Street/TBD						<b>1,586,000</b>
North Portal between D and E Avenues	10	Street/TBD						<b>1,629,000</b>
B Avenue Phase I	11	Street/TBD						<b>2,891,000</b>
B Avenue Phase II	12	Street/TBD						<b>1,626,000</b>
<b>Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,552,000</b>

# FUNDING PLAN SUMMARY

## Transportation (cont.)

Intersections	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Citywide Intersection Signalization Improvements		Street	25,000	25,000	25,000	25,000	25,000	125,000
Traffic Sign Retroreflectivity		Street			85,000	85,000		170,000
<b>Total</b>			<b>25,000</b>	<b>25,000</b>	<b>110,000</b>	<b>110,000</b>	<b>25,000</b>	<b>295,000</b>

## Unfunded

6 Corner Intersection Alignment Improvements	1	Street						145,000
<b>Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>145,000</b>

Pathways	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Chow Corner Regional Sidewalk		Street	342,000					342,000
Laurel St-Hallinan St to Cornell St Pathway		Street/SDCs	160,000	930,000	810,000			1,900,000
ADA Sidewalk Ramp Retrofit Program		Street		80,000	80,000	80,000	80,000	320,000
<b>Total</b>			<b>502,000</b>	<b>1,010,000</b>	<b>890,000</b>	<b>80,000</b>	<b>80,000</b>	<b>2,562,000</b>

## Unfunded

E Avenue Neighborhood Pathway	1	Street						368,000
Cherry Lane Neighborhood Pathway	2	Street						118,000
Douglas Way Pathway	3	Street						40,000
Lanewood St-Douglas Circle Pathway	4	Street						257,000
Mercantile Dr Local Pathway	5	Street						52,000
Daniel Way Pathway	6	Street						135,000
Twin Fir Rd Upper Dr - Boones Ferry Rd	7	Street						1,236,000
Glenmorrie Dr-Hwy 43 to Old River Rd	8	Street						320,000
Fernwood Dr - Mapleleaf Rd to Greentree Ave	9	Street						268,000
Boca Ratan Pathway	10	Street						31,000
Boones Ferry Bike Lanes	11	Street/Grant						870,000
Hwy 43 Bike Connection	12	Street/Grant						382,000
LO-Portland	13	Street/Grant						4,630,000
Cornell-Hemlock to Bergis Pathway	14	Street						335,000
Oak St-McVey Ave to Palisades Terrace Dr Pathway	15	Street						134,000

# FUNDING PLAN SUMMARY

Pathways (cont.)	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Unfunded</b>								
Small Infill Pathways and Sidewalks	16	Street						105,000
Waluga Dr Neighborhood Pathway	17	Street						185,000
Fernwood Dr-Tree Top Lane Community Pathway	18	Street						460,000
Meadowlark Lane-Overlook Dr to Ridge Pointe Dr	19	Street						103,000
Iron Mt. Upper Drive	20	Street/Grant						595,000
Bryant Rd Bike Lanes/Pathway	21	Street/Grant						636,000
Kelok Neighborhood Pathway	22	Street						129,000
Timberline-Knaus to Bonniebrae Dr Sidewalk	23	Street						335,000
Goodall-Knaus to Country Club Pathway	24	Street						474,000
Fir Ridge Rd Sidewalk	25	Street						139,000
Greentree Rd Community Pathway	26	Street						278,000
Palisades Crest Dr Neighborhood Pathway	27	Street						180,000
Library to ACC Pathway	28	Street						75,000
Childs Rd-Canal Acres to Sycamore Pathway	29	Street						263,000
Knaus Rd-Boones Ferry Rd to Country Club Rd Pathway	30	Street						538,000
Lakeview-Iron Mountain Blvd	31	Street						927,000
Kerr Parkway Pathway	32	Street						180,000
Carman Dr Kruse Way to I-5	33	Street						815,000
Westview Dr-Greentree Rd & South Shore Blvd	34	Street						772,000
Washington Court Pathway	35	Street						155,000
Firwood Rd Neighborhood Pathway	36	Street						392,000
Canyon Dr Neighborhood Pathway	37	Street						200,000
Willamette Steps	38	Street						2,132,000
<b>Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19,244,000</b>

# FUNDING PLAN SUMMARY

Bicycle Pedestrian Pathways	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Citywide Bicycle/Pedestrian Pathway Misc. Projects		Bicycle			100,000		40,000	140,000
<b>Total</b>			<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>40,000</b>	<b>140,000</b>

Water	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Annual Water Rehabilitation Program		Water	200,000	200,000	1,000,000	200,000	200,000	1,800,000
Touchstone Reservoir Pump Station Improvements		Water		600,000				600,000
Summit Radio Telemetry System Upgrade		Water	10,000	45,000				55,000
10th Street and McVey Pump Station Electrical Upgrades		Water	20,000	50,000				70,000
<b>Total</b>			<b>230,000</b>	<b>895,000</b>	<b>1,000,000</b>	<b>200,000</b>	<b>200,000</b>	<b>2,525,000</b>

<b>Unfunded</b>								
Pipe, Reservoir, & Pump Station Improvements	1	Water						40,000,000
Automatic Meter Reading Infrastructure	2	Water						4,000,000
<b>Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>44,000,000</b>

Lake Oswego-Tigard Water Supply Expansion	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Lake Oswego-Tigard Water Supply Expansion		LO-Tigard	112,208,000	72,611,000	6,582,000	378,000		191,779,000
<b>Total</b>			<b>112,208,000</b>	<b>72,611,000</b>	<b>6,582,000</b>	<b>378,000</b>	<b>0</b>	<b>191,779,000</b>

# FUNDING PLAN SUMMARY

Surface Water	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Annual Catch Basin Retrofit		Surface Water	79,000	79,000	56,000	56,000	56,000	<b>326,000</b>
Small Works Drainage Improvements		Surface Water	187,000	155,000	80,000	70,000	70,000	<b>562,000</b>
Rockinghorse Lane Drainage Improvements		Surface Water	222,000	629,000				<b>851,000</b>
Ash Street Deep Culvert Replacement		Surface Water	180,000					<b>180,000</b>
Kerr Parkway Drainage Improvement		Surface Water	75,000	313,000				<b>388,000</b>
D Avenue Storm Drainage Infrastructure		Surface Water		117,000	638,000			<b>755,000</b>
B Avenue Storm System Upgrade		Surface Water				170,000	1,078,000	<b>1,248,000</b>
Blue Heron Rd Rehabilitation and Drainage Improvements		Surface Water					90,000	<b>90,000</b>
<b>Total</b>			<b>743,000</b>	<b>1,293,000</b>	<b>774,000</b>	<b>296,000</b>	<b>1,294,000</b>	<b>4,400,000</b>
<b>Unfunded</b>								
Outfall Inventory and Restoration	1	Surface Water						<b>258,000</b>
Lakeview Blvd Roadway and Drainage Improvements	2	Surface Water						<b>516,000</b>
Underground Injection Control, Permitting & Retrofits	3	Surface Water						<b>1,249,000</b>
Southwood Park Detention	4	Surface Water						<b>127,000</b>
Tanglewood Drive Water Quality Detention	5	Surface Water						<b>132,000</b>
Elizabeth Gress Park - Sediment Control/Restoration	6	Surface Water						<b>213,000</b>
Preakness Court Water Quality Detention	7	Surface Water						<b>132,000</b>
Sediment Basin Retrofits	8	Surface Water						<b>381,000</b>
Cherry Crest Detention - Water Quality Treatment Facility	9	Surface Water						<b>580,000</b>
Churchill Downs Drainage Improvements	10	Surface Water						<b>49,000</b>
Touchstone Dr Drainage Improvements	11	Surface Water						<b>84,000</b>
Dolph Court-Country Club Culvert Crossings	12	Surface Water						<b>410,000</b>
Melrose Street Tributary Rehabilitation	13	Surface Water						<b>249,000</b>
Regional Stormwater Facility-Bergis/Stafford Rd	14	Surface Water						<b>632,000</b>
Bayberry-Andrews Rd Drainage Improvements	15	Surface Water						<b>569,000</b>
Eena Rd Drainage Improvements	16	Surface Water						<b>228,000</b>
Lower Boones Ferry Rd - Lake Grove UGB	17	Surface Water						<b>3,073,000</b>
Springbrook Creek Culvert Evaluation	18	Surface Water						<b>351,000</b>
Redfern Avenue Drainage Improvements	19	Surface Water						<b>151,000</b>

# FUNDING PLAN SUMMARY

Surface Water (cont.)	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Unfunded</b>								
Water Reservoir Disconnect	20	Surface Water						680,000
Regional Water Quality Facility Retrofit	21	Surface Water						350,000
Bryant Road Drainage Improvements	22	Surface Water						165,000
Upper Drive - West of Bryant	23	Surface Water						250,000
Relocate Storm and Sanitary Sewer Mains	24	Surface Water						1,070,000
<b>Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,899,000</b>

Wastewater	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Iron Mountain Sanitary Sewer & Pedestrian Bridge		Wastewater	75,000	347,000				422,000
Small Pump Station Upgrades - 3 Locations (PS-1)		Wastewater	1,300,000					1,300,000
Marylhurst Pump Station (PS-2)		Wastewater		300,000	1,500,000			1,800,000
I/I Reduction Program & Flow Monitoring & Preliminary Program Implementation (G-3)		Wastewater	500,000					500,000
Terwilliger Blvd Sanitary Sewer Line Extensions		Wastewater	100,000					100,000
Lake Bay Court Pipe Rehabilitation		Wastewater	300,000					300,000
<b>Total</b>			<b>2,275,000</b>	<b>647,000</b>	<b>1,500,000</b>	<b>0</b>	<b>0</b>	<b>4,422,000</b>

<b>Unfunded</b>								
Tryon Creek Wastewater Plant Upgrade	1	Wastewater						65,000,000
I/I Reduction Program - Priority A Projects (G-3)	2	Wastewater						21,660,000
Blue Heron Trunk (T-BH-1 & T-BH-2)		Wastewater						2,238,000
Canal Trunk (T-CAN-1 & P-CAN-1)		Wastewater						1,679,000
Downtown Trunk 1 (T-DWN-1 & T-DWN-2)		Wastewater						569,000
Downtown Trunk 2 (T-DWN-3 & T-DWN-4)		Wastewater						123,000
East Mountain Park Trunk 1 (T-EMP-1)		Wastewater						255,000
East Mountain Park Trunk 2 (T-EMP-2 & T-EMP-3)		Wastewater						3,200,000
Foothills Road Interceptor (T-L1-1)		Wastewater						404,000
Foothills road Pump Station (PS-4)		Wastewater						398,000



# FUNDING PLAN SUMMARY

Facilities	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Iron Worker's Cottage - Phases 3 and 4		Tourism	74,000					<b>74,000</b>
Operations Center - Security System Replacement		Operations	25,000					<b>25,000</b>
<b>Total</b>			<b>99,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>99,000</b>
<b>Unfunded</b>								
New Police Station, LOCOM, & Municipal Court	1	Bond						<b>12,300,000</b>
Operations Facilities Replacement	2	Bond						<b>17,000,000</b>
South Shore Fire Station - Construction	3	Bond						<b>3,000,000</b>
Indoor Tennis Center	4	Bond/SDCs/ Sale of Property						<b>5,100,000</b>
Operations Center - Stormwater Decant Facility	5	Stormwater						<b>195,000</b>
Operations Center - Covered Storage	6	Operations						<b>200,000</b>
Operations Center - Replace Existing Parking Lot	7	Operations						<b>719,000</b>
New Library	8	Bond						<b>35,000,000</b>
City Hall	9	Bond						<b>14,000,000</b>
Golf Course Driving Range	10	Bond						<b>1,200,000</b>
<b>Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>88,714,000</b>

# FUNDING PLAN SUMMARY

Miscellaneous Capital	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Public Art Purchases		General	12,000	12,000	12,000	12,000	12,000	<b>60,000</b>
Police - Forensic Evidence Drying Cabinet		General	11,000					<b>11,000</b>
Network Backup Appliance		General	50,000					<b>50,000</b>
Incode Upgrade		General	32,000					<b>32,000</b>
Water Information System Software		Water	35,000					<b>35,000</b>
Police - Paperless Records Storage System		General	50,000					<b>50,000</b>
Defibrillator Replacement		General		230,000				<b>230,000</b>
LOCOM - Computer Aided Dispatch, Mobile Data, & Records Mngmt		General			1,200,000			<b>1,200,000</b>
<b>Total</b>			<b>190,000</b>	<b>242,000</b>	<b>1,212,000</b>	<b>12,000</b>	<b>12,000</b>	<b>1,668,000</b>
<b>Unfunded</b>								
Public Safety Systems Radio Upgrade for Police	1	General						<b>2,165,000</b>
Lake Grove Village Center Improvements	2	General						<b>9,064,000</b>
Lake Grove Village Center Parking Improvements	3	General						<b>3,090,000</b>
<b>Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14,319,000</b>

# FUNDING PLAN SUMMARY

Large Capital Equipment	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Police - Vehicle Replacement Schedule		General	205,000	190,000	199,000	173,000	191,000	<b>958,000</b>
Parks - Vehicle Replacement Schedule		General	117,000	60,000	45,000	25,000	104,000	<b>351,000</b>
Parks - Equipment Replacement Schedule		General	16,000	69,000	19,000	28,000		<b>132,000</b>
Fire - Fire Truck 211		General		1,044,000				<b>1,044,000</b>
Fire - Fire Truck 212		General			689,000			<b>689,000</b>
Fire - Vehicle Replacement - Fire Chief		General		35,000				<b>35,000</b>
Fire - Water Rescue Boat Replacement		General		78,000				<b>78,000</b>
Facilities - Vehicle Replacement Schedule		General			32,000			<b>32,000</b>
Parks - Golf Course Maint Equip Replacement		Golf	30,000	28,000	30,000	21,000		<b>109,000</b>
Engineering - Vehicle Replacement Plan		Engineering	35,000	35,000	35,000	35,000		<b>140,000</b>
Operations - Annual Small Truck Replacement		Street, Water, Surface, Wastewater	80,000	60,000	60,000	60,000	60,000	<b>320,000</b>
Operations - Electric Reach Style Forklift		Motor Pool	20,000					<b>20,000</b>
Operations - 2-Way Angle Plow		Street	20,000	20,000				<b>40,000</b>
<b>Funded/Projected</b>								
<b>Large Capital Equipment (cont.)</b>								
		Funding Source	Budgeted 2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street Sweeper		Street			225,000			<b>225,000</b>
Operations - High Pressure Cleaner Replacement for Surface Water Program		Surface Water	380,000					<b>380,000</b>
Operations - Portable TV Camera Equipment		Wastewater	45,000					<b>45,000</b>
Operations - Digital Universal Camera to Inspect Pipes		Wastewater		85,000				<b>85,000</b>
Operations - High Pressure Cleaner Replacement for Wastewater Program		Wastewater			360,000			<b>360,000</b>
Operations - Easement Machine		Wastewater					50,000	<b>50,000</b>
<b>Total</b>			<b>948,000</b>	<b>1,704,000</b>	<b>1,694,000</b>	<b>342,000</b>	<b>405,000</b>	<b>5,093,000</b>

# FUNDING PLAN SUMMARY

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# PARKS & OPEN SPACE - OVERVIEW

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## Parks & Open Space

The overall objective of projects in this category is the development and maintenance of a comprehensive parks and open space system in the City of Lake Oswego. Projects included in the CIP are based on the park and recreation policies and open space policies contained in the Parks Plan 2025 and Luscher Farm Master Plan.



# PARKS & OPEN SPACE

Parks and Open Space	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
George Rogers Park Playground Replacement		General	150,000					150,000
Greentree Park Playground Replacement		General		45,000				45,000
East Waluga Park Picnic Shelter & Snack Shack		General		46,000				46,000
East Waluga Park Playground		General		70,000				70,000
Westridge Sidewalk		General		40,000				40,000
George Rogers Bathroom & Storage Replacement		General			530,000			530,000
Westlake Baseball Field Replacement		General				49,000		49,000
Freepons Park Playground Replacement		General				55,000		55,000
Westridge Playground Replacement		General					65,000	65,000
Pilkington Park Restrooms		General					183,000	183,000
<b>Total</b>			<b>150,000</b>	<b>201,000</b>	<b>530,000</b>	<b>104,000</b>	<b>248,000</b>	<b>1,233,000</b>
<b>Unfunded</b>								
George Rogers Park - Ladd Street/Phases 5 & 6	1	General/SDC						2,730,000
Tryon Creek Pedestrian Bridge	2	General/SDC						1,800,000
Roehr Park Pathway	3	General						367,000
LO-Milwaukie	4	General/Grant						100,000
Turf to Surf Rail with Trail	5	General/Grant						150,000
B Avenue Plaza at Foothills Park	6	TBD						535,000
Trails		General						635,000
Luscher Farm Restoration Projects		General						760,000
<b>Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,077,000</b>

# PARKS & OPEN SPACE

**Project Name:** **George Rogers Park Playground Replacement**

**Project Description:** This project replaces the playground equipment in George Rogers Park due to unrepairable wear and tear. Equipment no longer meets current safety standards and is not ADA accessible.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2014

**Justification:** Parks Plan 2025, Safety



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating	150					<b>150</b>
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$150</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$150</b>
Expenses	Design	30					<b>30</b>
	Proj. Admin	15					<b>15</b>
	Construction	105					<b>105</b>
							-
<b>Expenses Total</b>		<b>\$150</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$150</b>

# PARKS & OPEN SPACE

**Project Name:** **Greentree Park Playground Replacement**

**Project Description:** This project replaces the playground equipment in Greentree Park. The playground equipment no longer meets current safety standards and is not accessible according to the American Disability Act (ADA) standards.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2015

**Justification:** Safety, ADA Accessibility, Asset Replacement



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating		45				45
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$45</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$45</b>
Expenses	Design		5				5
	Proj. Admin		5				5
	Construction		35				35
							-
<b>Expenses Total</b>		<b>\$-</b>	<b>\$45</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$45</b>

# PARKS & OPEN SPACE

**Project Name:** **East Waluga Park Picnic Shelter and Snack Shack**

**Project Description:** This project replaces the existing picnic shelter in East Waluga Park with a new facility; and makes drainage upgrades to the Snack Shack. The existing picnic shelter has been repeatedly repaired and is now beyond its useful life. The Snack Shack is used by community organizations for concession sales during ball games. The drainage system needs to be upgraded to accommodate increased concession use.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2015

**Justification:** Safety, Asset Replacement



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating		46				46
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$46</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$46</b>
Expenses	Design		5				5
	Proj. Admin		6				6
	Construction		35				35
							-
<b>Expenses Total</b>		<b>\$-</b>	<b>\$46</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$46</b>

# PARKS & OPEN SPACE

**Project Name:** **East Waluga Park Playground**

**Project Description:** This project requires the replacement of playground equipment in East Waluga Park. Equipment no longer meets current safety standards and is not accessible according to the American Disability Act (ADA) standards.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2015

**Justification:** Safety, Asset Replacement, ADA Accessibility



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating		70				<b>70</b>
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$70</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$70</b>
Expenses	Design		18				<b>18</b>
	Proj. Admin		10				<b>10</b>
	Construction		42				<b>42</b>
							-
<b>Expenses Total</b>		<b>\$-</b>	<b>\$70</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$70</b>

# PARKS & OPEN SPACE

**Project Name:** **Westridge Sidewalk**

**Project Description:** This project replaces the existing sidewalk in Westridge Park with a new asphalt surface. The existing surface is cracked and raised which results in tripping hazards due to an unsafe walking surface.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2015

**Justification:** Public Safety



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating		40				40
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$40</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$40</b>
Expenses	Design						-
	Proj. Admin		5				5
	Construction		35				35
							-
<b>Expenses Total</b>		<b>\$-</b>	<b>\$40</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$40</b>

# PARKS & OPEN SPACE

**Project Name:** **George Rogers Park Bathroom and Storage Replacement**

**Project Description:** This project involves the replacement of two existing park bathrooms and adjoining storage facility in George Rogers Park. The existing facilities were built in the 1970's and are beyond their useful life.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2016

**Justification:** Asset Replacement



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating			530			530
	SDC's						
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$530</b>	<b>\$-</b>	<b>\$-</b>	<b>\$530</b>
Expenses	Design			50			50
	Proj. Admin			41			41
	Construction			439			439
							-
<b>Expenses Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$530</b>	<b>\$-</b>	<b>\$-</b>	<b>\$530</b>

# PARKS & OPEN SPACE

**Project Name:** Westlake Baseball Field Replacement

**Project Description:** This project repairs the three baseball infields in Westlake Park. The project consists of repairing turn/skinned interfaces (reduces tripping hazards), rebuilding pitching mounds, rebuilding pitcher mounds, leveling skinned infields, and infield turf replacement where necessary.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** 2017

**Justification:** Safety, ADA Accessibility



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating				49		49
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$49	\$-	\$49
Expenses	Design				12		12
	Proj. Admin				7		7
	Construction				30		30
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$49	\$-	\$49

# PARKS & OPEN SPACE

**Project Name:** **Freepons Park Playground Replacement**

**Project Description:** This project includes replacement of playground equipment in Freepons Park. Equipment no longer meets current safety standards and is not accessible according to the American Disability Act (ADA) standards.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2017

**Justification:** Safety, ADA Accessibility, Asset Replacement



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating				55		55
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	55	\$-	55
Expenses	Design				13		13
	Proj. Admin				8		8
	Construction				34		34
							-
<b>Expenses Total</b>		\$-	\$-	\$-	55	\$-	55

# PARKS & OPEN SPACE

**Project Name:** Westridge Playground Replacement

**Project Description:** This project replaces the playground equipment in Westridge. The equipment no longer meets current safety standards and does not meet the accessibility standards of the American Disability Act (ADA).

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2018

**Justification:** Safety, ADA Accessibility



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating					65	65
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$65</b>	<b>\$65</b>
Expenses	Design					16	16
	Proj. Admin					10	10
	Construction					39	39
							-
<b>Expenses Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$65</b>	<b>\$65</b>

# PARKS & OPEN SPACE

**Project Name:** **Pilkington Park Restrooms**

**Project Description:** This project provides for the design and construction of bathrooms for Pilkington Park. The park does not contain any bathroom facilities. This project is necessary to accommodate heavy park usage by sport leagues and other users.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2018

**Justification:** Health and Safety Concerns



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating					183	<b>183</b>
	SDC's						
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$183</b>	<b>\$183</b>
Expenses	Design					25	<b>25</b>
	Proj. Admin					13	<b>13</b>
	Construction					145	<b>145</b>
							-
<b>Expenses Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$183</b>	<b>\$183</b>

# PARKS & OPEN SPACE

**Project Name:** George Rogers Park - Ladd Street & Phases 5 & 6 of Master Plan

**Project Description:** George Rogers Park is the oldest community park in Lake Oswego. A new master plan was completed in 2003 to address ADA accessibility issues, improve roadway access and storm water management, upgrade site amenities and provide visual and physical access to the Willamette river. This next phase of development improves vehicular access and includes street and storm water improvements resolve on-going drainage problems at the ballfields, tennis courts, and children's play area. Additional improvements include ADA accessibility to the athletic fields, tennis courts, picnic shelters and playground; dark sky ballfield lighting, bleacher replacement, new children's playground, picnic shelter replacement, and pedestrian entry to the park at Lake and State Streets.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** 2012 PRAB Goal, Asset Preservation, ADA Accessibility



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
	Operating						
General	SDC's						2,730
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$2,730
Expenses	Design						-
	Proj. Admin						-
	Construction						-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$2,730

# PARKS & OPEN SPACE

**Project Name:** Tryon Creek Pedestrian Bridge

**Project Description** This project includes the design of a pedestrian bridge across Tryon Creek connecting the existing pathway in the north end of Foothills Park to Tryon Cove Park on the north side of the creek.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Regional Trail Priority



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
	Operating						
General	SDC's						1,800
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,800
Expenses	Design						-
	Proj. Admin						-
	Construction						-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,800

# PARKS & OPEN SPACE

**Project Name:** **Roehr Park Pathway**

**Project Description:** The Roehr Park pathway is part of the Metro Regional Trail System. The pathway is approximately 6-ft wide. This does not comply with the Regional standard of 10-ft minimum to accommodate pedestrians and bicyclists. In addition, the pathway is in disrepair due to root heave and erosion from high water. This project will widen the pathway to meet regional trail standards; and look at either relocating the pathway, or constructing a boardwalk to avoid high water and resolve root heave issues.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Safety



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating						367
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$367</b>
Expenses	Design						30
	Proj. Admin						24
	Construction						313
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$367</b>

# PARKS & OPEN SPACE

**Project Name:** **Lake Oswego to Milwaukie Regional Trail**

**Project Description** This project adds a pedestrian trail and bridge connecting Lake Oswego in Tryon Cove Park to Milwaukie via Oak Grove and the railroad bridge across the Willamette River. The proposed cost is for a feasibility study only. This project is contained in Metro's 2035 Regional Transportation Plan.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Metro's 2035 Regional Transportation Plan (RTP) and Metro's Regional Trail Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
	Operating						
	SDC's						-
	Bonds						
General	Grants						100
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$100
Expenses	Design						100
	Proj. Admin						-
	Construction						-
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$100

# PARKS & OPEN SPACE

**Project Name:** **Turf to Surf Regional Trail**

**Project Description** This project adds a pedestrian trail that follows the existing Pacific and Western railroad alignment from downtown Lake Oswego to I-5. The trail continues west to Sherwood. The proposed cost is for a feasibility study only. This project is contained in Metro's 2035 Regional Transportation Plan.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Metro's 2035 Regional Transportation Plan (RTP) and Metro's Regional Trail Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
	Operating						-
	SDC's						-
	Bonds						
General	Grants						150
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$150</b>
Expenses	Design						150
	Proj. Admin						-
	Construction						-
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$150</b>

# PARKS & OPEN SPACE

**Project Name:** B Avenue Plaza at Foothills Park

**Project Description** At the eastern terminus of B Ave, a new plaza is proposed to serve as a transition to Foothills Park and an urban gathering space for adjacent neighbors. The project would include a new paved plaza, street furnishings, and grade transitions (stairs and ramps) from the higher elevation of B Ave.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Economic Development



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
TBD	Operating						535
	SDC's						-
	Bonds						
	Grants						
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$535
Expenses	Design						
	Proj. Admin						-
	Construction						-
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$535

# PARKS & OPEN SPACE

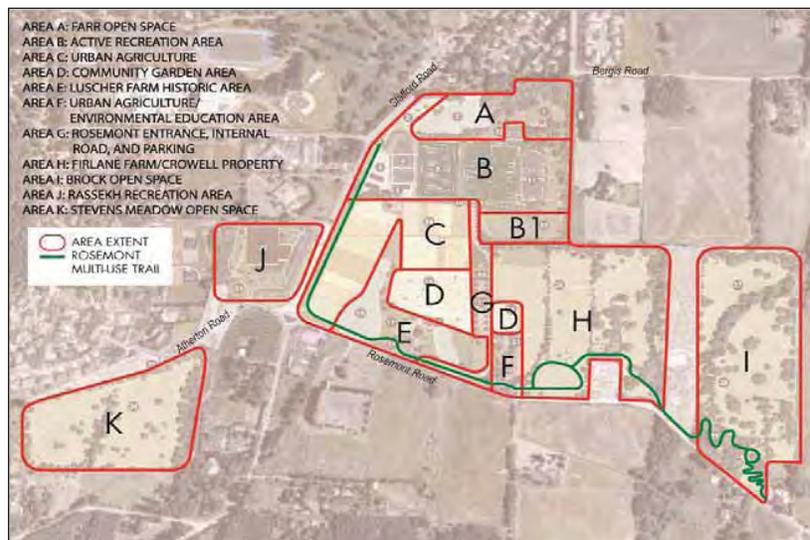
**Project Name:** Trails

**Project Description:** The Rosemont Trail connects park facilities along the Luscher Area's site perimeter. The Rosemont Multi-Use Trail makes it easy for park users to park at any of the Luscher Area parking lots and access the rest of the site by foot, or by bicycle on the paved portions.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Luscher Farm Master Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating						635
	SDC's						-
	Bonds						
	Grants						
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$635
Expenses	Design						
	Proj. Admin						-
	Construction						-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$635

# PARKS & OPEN SPACE

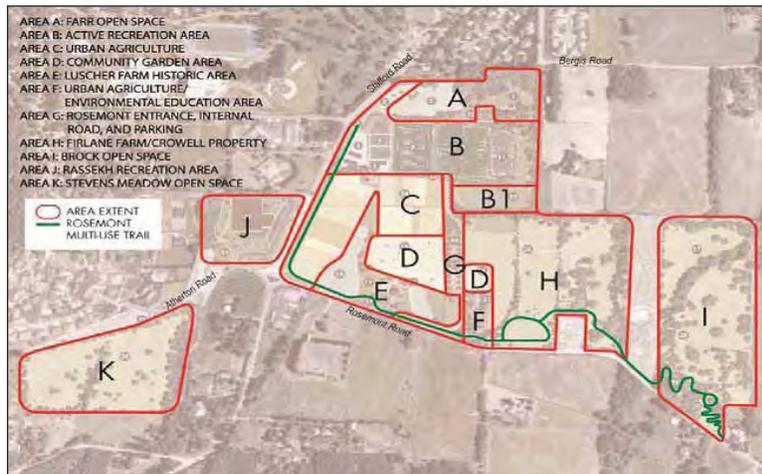
**Project Name:** **Luscher Farm Restoration Projects**

**Project Description** Natural Resource Restoration includes restoration of wetlands, oak uplands, historic open spaces, riparian areas, and grasslands in the following areas: Farr Property, Area A - \$20,000; Active Rec Area, Area B - \$85,000; Luscher Historic Core, Area E - \$40,000, Firlane Farm/Cornwell, Area H - \$19,000, Brock Property, Area I - \$473,000; Rassekh Property, Area J - \$35,000; and Stevens Meadow, Area K - \$88,000. Restoration involves clearing invasive species, erosion control, planting native species, some grading, and installation of boardwalks, interpretive signage and minor furnishings.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Luscher Farm Master Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating						760
	SDC's						-
	Bonds						
	Grants						
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$760
Expenses	Design						
	Proj. Admin						-
	Construction						-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$760

# TRANSPORTATION - OVERVIEW

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## Transportation System:

The Lake Oswego transportation system includes over 178 miles of streets and intersections. The streets are classified as arterials, major collectors, neighborhood collectors or residential streets. The amount of roadway mileage and number of intersection will continue to increase through annexation and road transfer from Clackamas County, until the City Limits reach the Urban Services Boundary. The transportation system also includes 32 traffic signals, approximately 20 miles of pathways, and partial ownership of the Willamette Shore Line. The transportation section of the CIP includes four elements: roadways, pathways, intersections, and pedestrian/bicycle pathways.

## Roadways

A wide variety of projects are included under roadways. To protect the long-term capital investment in the City's roadways it is necessary to regularly maintain the streets. Methods of maintenance include crack sealing, pavement patching, and/or structural overlays. In cases of severe deterioration, total reconstruction of the roadway is necessary. In order to avoid higher costs of replacing streets, Engineering Division staff tracks the condition of streets throughout the City with a computer program that identifies years in which critical maintenance should occur.

## Pathway

Pedestrian and bicycle use is enhanced and encouraged through the development of pathway/bikeway projects. These projects help alleviate traffic congestion, air pollution, and contribute to a sense of community by providing an alternative mode of transportation.

## Intersections

These projects increase the carrying capacity and/or improve the safety of arterials and collectors by moving traffic more efficiently and safety through existing intersections. Safe pedestrian travel is also enhanced with these projects. Projects features may include placement of traffic signals, re-channeling traffic, and/or creating protected left turn lanes.

## Pedestrian/Bicycle Pathways

This category is for projects funded through the Bicycle and Pedestrian Pathway Fund, which is funded by one percent of the Oregon Motor Vehicle License and Gas Tax revenue that is dedicated to the City of Lake Oswego.

## Funding Sources

The capital needs for the Transportation Section of the CIP far exceed existing revenue sources. Funding sources include Gas Taxes, Street Maintenance Fees, System Development Charges, and State or Federal funding.

- State gas tax revenues provide the source of funding for street overlays and reconstruction.
- Street Maintenance Fees were adopted in 2004, and are collected via each utility billing per residential and commercial dwelling.
- System Development Charges are obtained from new development fees. This funding source is dependent on the amount of new construction that occurs.
- State and Federal funds are available through a variety of grant programs administered by ODOT and the Federal Highway Administration. Many future projects are dependent on State and Federal funds; however, the City must compete with other jurisdictions for the limited amount of State and Federal funds available. It takes several years before these funds are fully allocated to the local jurisdictions.

# TRANSPORTATION - OVERVIEW

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# TRANSPORTATION - ROADWAYS

Transportation Roadways	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Citywide Pavement Preservation		Street	984,000					<b>984,000</b>
Kerr Parkway Rehabilitation Project		Street	2,425,000					<b>2,425,000</b>
Westlake Dr Repaving Project		Street	124,000	596,000				<b>720,000</b>
Upper Boones Ferry Road Rehabilitation Project		Street	149,000	1,004,000				<b>1,153,000</b>
Jefferson Parkway Rehabilitation Project		Street		234,000	1,557,000			<b>1,791,000</b>
Country Club Road Rehabilitation Project		Street			166,000	1,091,000		<b>1,257,000</b>
Wembley Park Rd Rehabilitation Project		Street				275,000	1,783,000	<b>2,058,000</b>
Lake Oswego Transit Center		Street				110,000	1,102,000	<b>1,212,000</b>
Blue Heron Rd Rehabilitation & Drainage Improvements		Street					176,000	<b>176,000</b>
Annual Mountain Park Street Light Conversion		Street	42,000	50,000	50,000	50,000	50,000	<b>242,000</b>
Boones Ferry Road Improvements - Phase 1 is funded by Transportation SDCs.		Bonds/ Grant/ SDCs/ TIF	365,000	394,000	1,337,000	4,823,000	5,945,000	<b>12,864,000</b>
			<b>4,089,000</b>	<b>2,278,000</b>	<b>3,110,000</b>	<b>6,349,000</b>	<b>9,056,000</b>	<b>24,882,000</b>
<b>Unfunded</b>								
Citywide Pavement Preservation	1	Street						<b>14,616,000</b>
Boones Ferry Rd Improvements - Phase 2	2	TIF						<b>9,000,000</b>
West Sunset Extension	3	TBD						<b>1,300,000</b>
Lakeview Blvd Street and Drainage Improvements	4	Street						<b>3,049,000</b>
Red Fox Hills Street Lighting Conversion	5	Street						<b>65,000</b>
Bridge Repair & Replacement Fund - Citywide	6	Street						<b>50,000,000</b>
Tryon Creek Bridge and Culvert Replacement	7	Street						<b>12,000,000</b>
Foothills Road Phase I from A to B Avenues	8	Street/TBD						<b>2,790,000</b>
Foothills Road Phase II North of B Avenue	9	Street/TBD						<b>1,586,000</b>
North Portal between D and E Avenues	10	Street/TBD						<b>1,629,000</b>
B Avenue Phase I	11	Street/TBD						<b>2,891,000</b>
B Avenue Phase II	12	Street/TBD						<b>1,626,000</b>
<b>Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,552,000</b>

# TRANSPORTATION - ROADWAYS

**Project Name:** **Citywide Pavement Preservation**

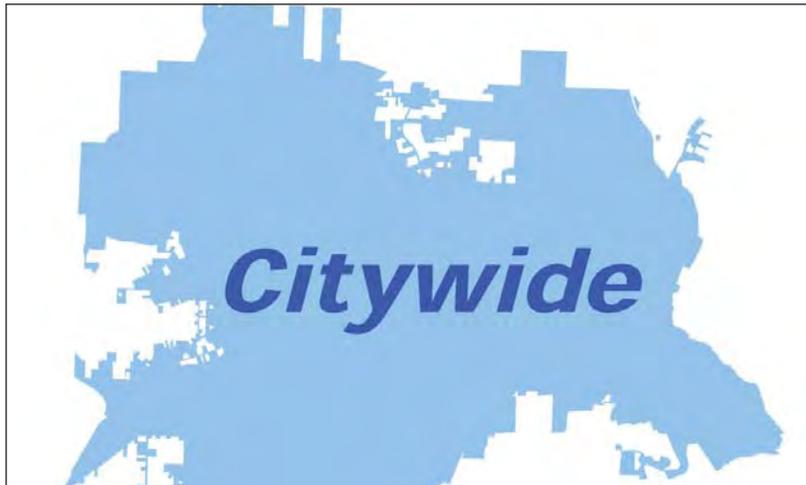
**Project Description:** This program encompasses preventative maintenance, rehabilitation, and reconstruction of the City's street network. The City would need to invest an additional \$14.6 million more than the amount that is anticipated to be funded in the next five years in order to achieve and maintain a Pavement Condition Index of 70 through FY 2017-18. This would equate to additional needed funding of about \$2.9 million per year over the next five years. This number is based on condition assessments that were conducted in 2010 and construction costs calculated through the City's asset management system software for street preservation.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** 2014

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating	984					<b>984</b>
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$984</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$984</b>
Expenses	Design	150					<b>150</b>
	Proj. Admin	50					<b>50</b>
	Construction	784					<b>784</b>
							-
<b>Expenses Total</b>		<b>\$984</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$984</b>

# TRANSPORTATION - ROADWAYS

**Project Name:** **Kerr Parkway Rehabilitation Project**

**Project Description:** This project will rehabilitate the roadway from the Lake Oswego/Portland city limits to Boones Ferry Rd. Work will include rehabilitating stormwater facilities, construction of new and repair of existing pedestrian pathways, improved pedestrian crossing at the Kerr Parkway/Boones Ferry Rd/Country Club Rd intersections, pavement rehabilitation. \$131,000 was transferred to this project from the ADA Ramp Retrofit project. See Kerr Parkway Drainage Improvements.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2013

**Justification:** Asset management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating	2,425					2,425
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$2,425</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$2,425</b>
Expenses	Design	49					49
	Proj. Admin	40					40
	Construction	2,336					2,336
<b>Expenses Total</b>		<b>\$2,425</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$2,425</b>

# TRANSPORTATION - ROADWAYS

**Project Name:** Westlake Drive Repaving Project  
**Project Description:** This project will repave the roadway from Kruse Way to Melrose.  
**Funded/Unfunded:** Funded  
**Estimated Completion Date:** 2015  
**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating	124	596				720
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$124</b>	<b>\$596</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$720</b>
Expenses	Design	96	15				111
	Proj. Admin	28	27				55
	Construction		554				554
							-
<b>Expenses Total</b>		<b>\$124</b>	<b>\$596</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$720</b>

# TRANSPORTATION - ROADWAYS

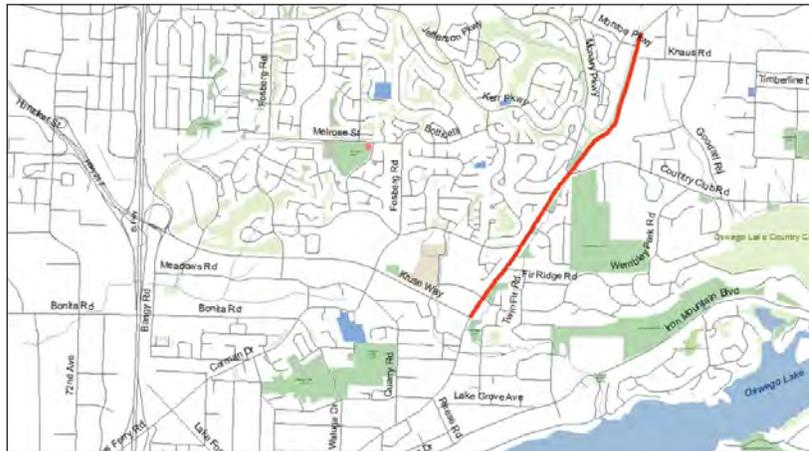
**Project Name:** Upper Boones Ferry Rehabilitation Project

**Project Description:** This project will repave the roadway along Boones Ferry Rd from Kruse Way to the Lake Oswego/Portland city limit. This project will not pave the area known as the Lake Grove Town Center.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2015

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating	149	1,004				1,153
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$149</b>	<b>\$1,004</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$1,153</b>
Expenses	Design	119	35				154
	Proj. Admin	30	19				49
	Construction		950				950
<b>Expenses Total</b>		<b>\$149</b>	<b>\$1,004</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$1,153</b>

# TRANSPORTATION - ROADWAYS

**Project Name:** Jefferson Parkway Rehabilitation Project  
**Project Description:** This project will repave Jefferson Parkway from Fosberg to Kerr Parkway.  
**Funded/Unfunded:** Funded  
**Estimated Completion Date:** 2016  
**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating		234	1,557			1,791
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$234</b>	<b>\$1,557</b>	<b>\$-</b>	<b>\$-</b>	<b>\$1,791</b>
Expenses	Design		196	28			224
	Proj. Admin		38	37			75
	Construction			1,492			1,492
							-
<b>Expenses Total</b>		<b>\$-</b>	<b>\$234</b>	<b>\$1,557</b>	<b>\$-</b>	<b>\$-</b>	<b>\$1,791</b>

# TRANSPORTATION - ROADWAYS

**Project Name:** Country Club Road Rehabilitation Project

**Project Description:** This project will repave Country Club Rd from 10th St to Knaus Rd. The City's Wastewater Master Plan has identified the Forest Highlands Trunk (T-FH-1) for repair as part of the long-term plan. However, that trunk is located in this section of Country Club Rd and should be repaired prior to or in addition to Country Club Rd being repaved.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2017

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating			166	1,091		1,257
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$166</b>	<b>\$1,091</b>	<b>\$-</b>	<b>\$1,257</b>
Expenses	Design			134	25		159
	Proj. Admin			32	20		52
	Construction				1,046		1,046
<b>Expenses Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$166</b>	<b>\$1,091</b>	<b>\$-</b>	<b>\$1,257</b>

# TRANSPORTATION - ROADWAYS

**Project Name:** Wembley Park Road Rehabilitation Project

**Project Description:** This project will reconstruct/repave Wembley Park Rd from Country Club Rd to Twin Fir Rd.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2018

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating				275	1,783	2,058
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$275</b>	<b>\$1,783</b>	<b>\$2,058</b>
Expenses	Design				230	27	257
	Proj. Admin				45	41	86
	Construction					1,715	1,715
							-
<b>Expenses Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$275</b>	<b>\$1,783</b>	<b>\$2,058</b>

# TRANSPORTATION - ROADWAYS

**Project Name:** Lake Oswego Transit Center

**Project Description:** The streets of this project have been severely damaged due to bus traffic on streets not designed to handle the loads. This project would include some streetscape improvements along 4th St (A Ave to B Ave), 5th St (A Ave to B Ave), and B Ave (4th St to 5th St) including ADA upgrades, stormwater improvements and complete rebuilding of the streets including adding concrete bus pads. It is anticipated that LORA will partner with Public Works to fund this project.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2018

**Date:**

**Justification:** Asset Management/ADA Improvements



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating				110	1,102	1,212
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$110</b>	<b>\$1,102</b>	<b>\$1,212</b>
Expenses	Design				89	31	120
	Proj. Admin				21	19	40
	Construction					1,052	1,052
							-
<b>Expenses Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$110</b>	<b>\$1,102</b>	<b>\$1,212</b>

# TRANSPORTATION - ROADWAYS

**Project Name:** **Blue Heron Road Rehabilitation & Drainage Improvements**  
**Project Description:** In association with the reconstruction of the roadway, this project will construct storm drainage improvements along the entire length of the roadway where none exist.  
**Funded/Unfunded:** Funded  
**Estimated Completion Date:** 2018  
**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating					176	176
	SDC's						
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$176	\$176
Expenses	Design					145	145
	Proj. Admin					31	31
	Construction						
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$176	\$176

# TRANSPORTATION - ROADWAYS

**Project Name:** Annual Mountain Park Street Lighting Conversion

**Project Description** Convert approximately 100 of the 485 existing lights to LED lights. The replacements will save energy and reduce long term maintenance costs.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** Annual

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating	42	50	50	50	50	242
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$42</b>	<b>\$50</b>	<b>\$50</b>	<b>\$50</b>	<b>\$50</b>	<b>\$242</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	<b>Purchase</b>	42	50	50	50	50	242
<b>Expenses Total</b>		<b>\$42</b>	<b>\$50</b>	<b>\$50</b>	<b>\$50</b>	<b>\$50</b>	<b>\$242</b>

# TRANSPORTATION - ROADWAYS

**Project Name:** Boones Ferry Road Improvements - Phase 1

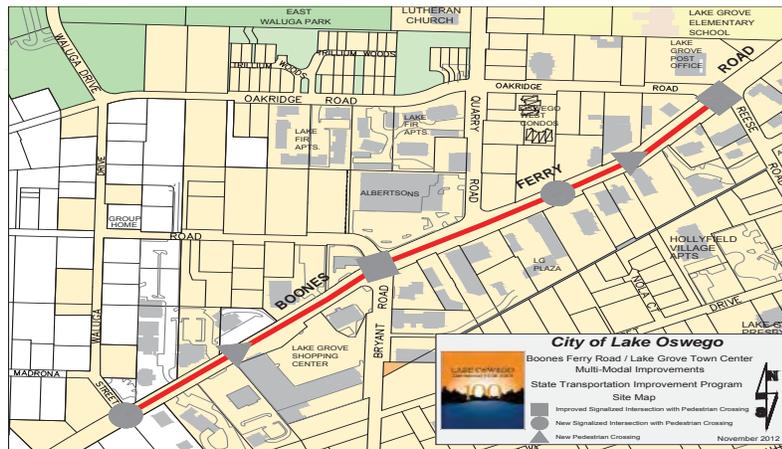
**Project Description:** The Lake Grove Village Center Plan includes a project to improve Boones Ferry Rd. Phase 1 of the Boones Ferry Rd Project will pave from Madrona to Oakridge/Reese. This project includes bikeways, sidewalks, a center median, green street features, and intersection improvements. A \$5 million general obligation bond measure was passed by the voters in November 2012. The total cost of the project is estimated to be \$29.2 million. The project cost assumes that a \$4 million grant is awarded by ODOT.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2019/20

**Date:**

**Justification:** Lake Grove Village Center Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
	Operating						
	SDC's						-
Bonds/Grant/SDC's/TIF	Bonds	365	394	1,337	4,823	5,945	12,864
	Grants						-
<b>Resources Total</b>		<b>\$365</b>	<b>\$394</b>	<b>\$1,337</b>	<b>\$4,823</b>	<b>\$5,945</b>	<b>\$12,864</b>
Expenses	Design	75	60	200	720	890	1,945
	Proj. Admin	35	20	70	240	295	660
	Construction	255	314	1,067	3,863	4,760	10,259
<b>Expenses Total</b>		<b>\$365</b>	<b>\$394</b>	<b>\$1,337</b>	<b>\$4,823</b>	<b>\$5,945</b>	<b>\$12,864</b>

# TRANSPORTATION - ROADWAYS

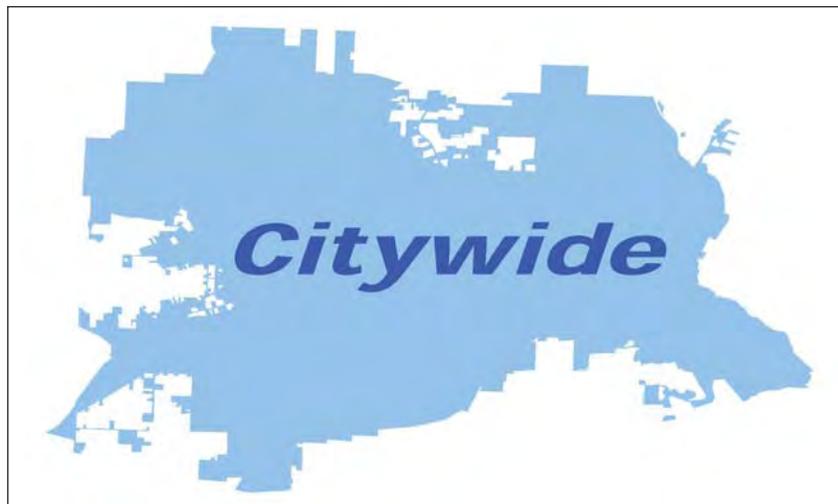
**Project Name:** **Citywide Pavement Preservation**

**Project Description:** This program encompasses preventative maintenance, rehabilitation, and reconstruction of the City's street network. The City would need to invest an additional \$14.6 million more than the amount that is anticipated to be funded in the next five years in order to achieve and maintain a Pavement Condition Index of 70 through FY 2017-18. This would equate to additional needed funding of about \$2.9 million per year over the next five years. This number is based on condition assessments that were conducted in 2010 and construction costs calculated through the City's asset management system software for street preservation.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						14,616
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$14,616
Expenses	Design						
	Proj. Admin						
	Construction						
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$14,616

# TRANSPORTATION - ROADWAYS

**Project Name:** **Boones Ferry Road Improvements - Phase 2**

**Project Description:** The Lake Grove Village Center Plan includes a project to improve Boones Ferry Rd. Phase 2 of the project will reconstruct the road and add sidewalks, streetscape, bike lanes a landscaped median, pedestrian crosswalks and vehicular circulation improvements from Oakridge/Reese to Kruse Way. The Lake Grove Village Center Urban Renewal Plan projects that \$4.5 million (2012\$) of tax increment would be available in FY 2038-2039 to fund a portion of the project's estimated \$9 million cost (2012\$).

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Lake Grove Village Center Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
TIF	Operating						9,000
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$9,000
Expenses	Design						-
	Proj. Admin						-
	Construction						-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$9,000

# TRANSPORTATION - ROADWAYS

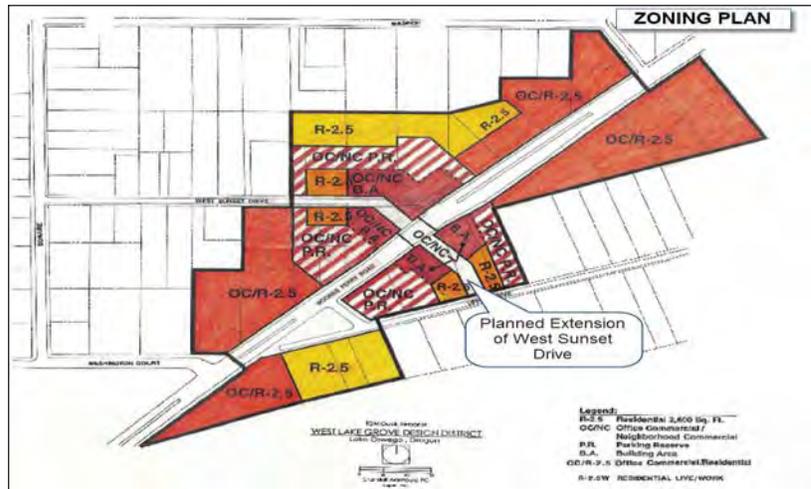
**Project Name:** West Sunset Extension

**Project Description:** This project would provide a street connection between Boones Ferry Rd and Upper Dr as depicted in the West Lake Grove Plan. The improvements would include two travel lanes, a turn lane, on-street parking, sidewalks, landscaping, and street furniture.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
TBD	Operating						1,300
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,300
Expenses	Design						-
	Proj. Admin						-
	Construction						-
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,300

# TRANSPORTATION - ROADWAYS

**Project Name:** Lakeview Boulevard - Street & Drainage Improvements

**Project Description:** This project will reconstruct the roadway, improve the stormwater drainage and possibly add a pathway on Lakeview Blvd from South Shore to the roundabout intersection. The roadway between Summit Dr and the railroad tracks will need to be stabilized due to soil sliding downslope from Lakeview Blvd.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						3,049
	SDC's						
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$3,049
Expenses	Design						
	Proj. Admin						
	Construction						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$3,049

# TRANSPORTATION - ROADWAYS

**Project Name:** **Red Fox Hills Street Lighting Conversion**

**Project Description** This project would remove 26 obsolete center bored wood double divert poles with 175 watt Mercury Vapor (MV) fixtures (Option B) to 70 watt and 100 watt single fixtures on 30-foot gray fiberglass poles. This is sustainable in that it removes mercury vapor fixtures, reduces the amount of fixtures required, lowers energy cost with more efficient energy saving fixtures.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						65
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$65</b>
Expenses	Design						-
	Proj. Admin						10
	Construction						55
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$65</b>

# TRANSPORTATION - ROADWAYS

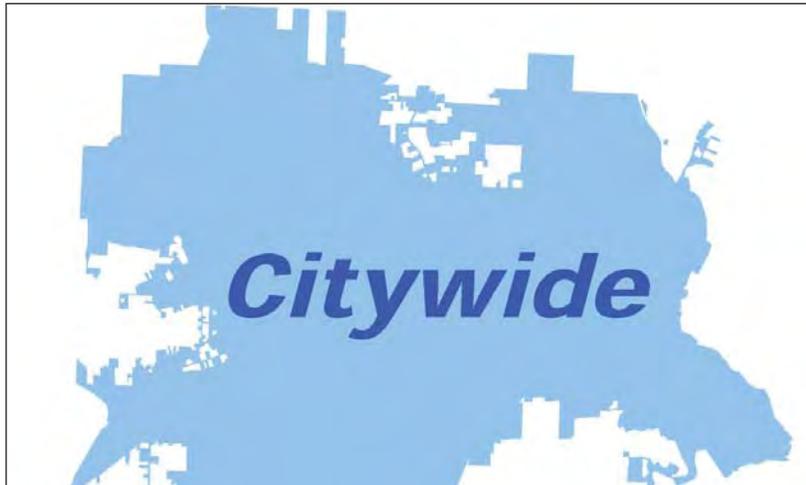
**Project Name:** Bridge Repair and Replacement Fund - City Wide

**Project Description:** The City is responsible for over a dozen different bridges within the city limits. The \$50 million number is plugged in as a placeholder amount, which is the best guess of the City's engineers. In FY 2013-14, the Engineering Division anticipates conducting a city-wide bridge analysis to determine the full extent of bridges, their conditions, and to provide a strategy for how to address their long-term repair and replacement. Until such a time as true values are determined in that study, this is a placeholder to communicate that there are future needs.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						50,000
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$50,000
Expenses	Design						-
	Proj. Admin						5,000
	Construction						45,000
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$50,000

# TRANSPORTATION - ROADWAYS

**Project Name:** Tryon Creek Bridge and Culvert Replacement

**Project Description:** This project would construct a bridge on State St over Tryon Creek to replace the existing culvert. The project will improve fish passage and environmental connections. Pedestrian and bicycle access will be provided under the bridge connecting Foothills Park, Tyron Cove and the future Willamette River Trail with Tryon State Park. Since State St is a state highway facility, the project would be owned with City participation.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						12,000
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$12,000
Expenses	Design						-
	Proj. Admin						3,000
	Construction						9,000
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$12,000

# TRANSPORTATION - ROADWAYS

**Project Name:** Foothills Road Phase I from A to B Avenues

**Project Description:** This project is the first phase of the realignment and reconstruction of Foothills Rd, from the intersection of Foothills Rd and Oswego Pointe Dr to its planned intersection with B Ave. The project includes infrastructure elements required to serve adjacent development such as water and wastewater lines, stormwater management facilities (including stormwater planters), and streetscape improvements including sidewalks, street lighting, street furnishings, and landscaping.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Economic Development



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street/TBD	Operating						2,790
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$2,790
Expenses	Design						-
	Proj. Admin						
	Construction						
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$2,790

# TRANSPORTATION - ROADWAYS

**Project Name:** Foothills Road Phase II North of B Avenue

**Project Description:** This project would extend the Phase I Foothills Rd project from B Ave north to the southern property line of tax lot 1700 of tax map T2S R1E 02CB (TL 1700). The project includes infrastructure elements required to serve adjacent development, such as water and wastewater lines, stormwater management facilities (including stormwater planters), and streetscape improvements including sidewalks, street lighting, street furnishings, and landscaping.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Economic Development



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street/TBD	Operating						1,586
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,586
Expenses	Design						-
	Proj. Admin						
	Construction						
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,586

# TRANSPORTATION - ROADWAYS

**Project Name:** North Portal Between D and E Avenues

**Project Description:** This project is intended to provide an additional access to and from the Foothills District in the location of the current public rail crossing on the east side of State St between D and E Avenues. The project cost includes a rebuilt intersection at State St, a new median and southbound left turn lane on State St, and a new at-grade crossing of the Union Pacific Railroad (UPR) line. New rail safety and crossing improvements will be included as part of this project. The project will require acquisition of all, or a portion, of tax lots 1501 and 1700 of tax map T2S R1E 02CB. The cost estimate for this project assumes that the City will be able to acquire only what it needs for the roadway, or that if full acquisition is required, that the remainder property can be resold to a third party.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Economic Development



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street/TBD	Operating						1,629
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,629
Expenses	Design						-
	Proj. Admin						
	Construction						
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,629

# TRANSPORTATION - ROADWAYS

**Project Name:** B Avenue Phase I

**Project Description:** This project is the first phase of the creation of a new B Ave connection between downtown and the Willamette River, and stretches two blocks east from the intersection of Foothills Rd. The project includes fill required to bring the street and adjacent development parcels out of the floodplain, infrastructure elements required to serve adjacent development, such as, water and wastewater lines, stormwater management facilities(including stormwater planters), and streetscape improvements including sidewalks, street lighting, street furnishings, and landscaping.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Economic Development



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street/TBD	Operating						2,891
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$2,891
Expenses	Design						-
	Proj. Admin						
	Construction						
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$2,891

# TRANSPORTATION - ROADWAYS

**Project Name:** B Avenue Phase II

**Project Description:** This project completes a new B Ave connection between downtown and the Willamette River, constructing the last block of B Ave leading to Foothills Park. The project includes fill required to bring the street and adjacent development parcels out of the floodplain, infrastructure elements required to serve adjacent development, such as water and wastewater lines, stormwater management facilities (including stormwater planters), and streetscape improvements including sidewalks, street lighting, street furnishings, and landscaping.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Economic Development



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street/TBD	Operating						1,626
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,626
Expenses	Design						-
	Proj. Admin						
	Construction						-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,626

# TRANSPORTATION - INTERSECTIONS

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Intersections	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Citywide Intersection Signalization Improvements		Street	25,000	25,000	25,000	25,000	25,000	<b>125,000</b>
Traffic Sign Retroreflectivity		Street			85,000	85,000		<b>170,000</b>
<b>Total</b>			<b>25,000</b>	<b>25,000</b>	<b>110,000</b>	<b>110,000</b>	<b>25,000</b>	<b>295,000</b>
<b>Unfunded</b>								
6 Corner Intersection Alignment Improvements	1	Street						<b>145,000</b>
<b>Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>145,000</b>

# TRANSPORTATION - INTERSECTIONS

**Project Name:** **Citywide Intersection Signalization Improvements**

**Project Description:** Develop and implement a citywide signal timing update. Develop and implement Flashing Yellow Left Turn Arrow signals at key intersections, upgrade signal controllers at 6 intersections in the City (replace 170 controllers with 2070 controllers).

**Funded/Unfunded:** Funded

**Estimated Completion Date:** Annual

**Justification:** Enhance Safety, Reduce Congestion and Improve Capacity



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating	25	25	25	25	25	125
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$25</b>	<b>\$25</b>	<b>\$25</b>	<b>\$25</b>	<b>\$25</b>	<b>\$125</b>
Expenses	Design						-
	Proj. Admin	4	4	4	4	4	20
	Construction	21	21	21	21	21	105
							-
<b>Expenses Total</b>		<b>\$25</b>	<b>\$25</b>	<b>\$25</b>	<b>\$25</b>	<b>\$25</b>	<b>\$125</b>

# TRANSPORTATION - INTERSECTIONS

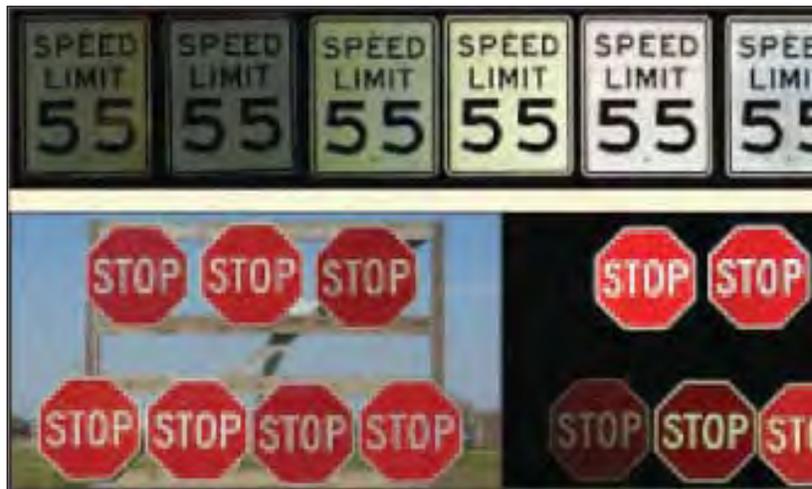
**Project Name:** **Traffic Sign Retroreflectivity**

**Project Description:** The compliance date for meeting the minimum retroreflectivity requirements on regulatory, warning and ground mounted guide signs is 2015. For over head guide signs and street name signs, the compliance date is 2018. In order to support this effort, a complete sign inventory and retroreflectivity analysis will be needed for 10,000 to 16,000 city owned traffic signs.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2017

**Justification:** Federal Regulation Compliance



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating			85	85		170
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$85</b>	<b>\$85</b>	<b>\$-</b>	<b>\$170</b>
Expenses	Design						-
	Proj. Admin			4	4		8
	Construction			81	81		162
							-
<b>Expenses Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$85</b>	<b>\$85</b>	<b>\$-</b>	<b>\$170</b>

# TRANSPORTATION - INTERSECTIONS

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# TRANSPORTATION - INTERSECTIONS

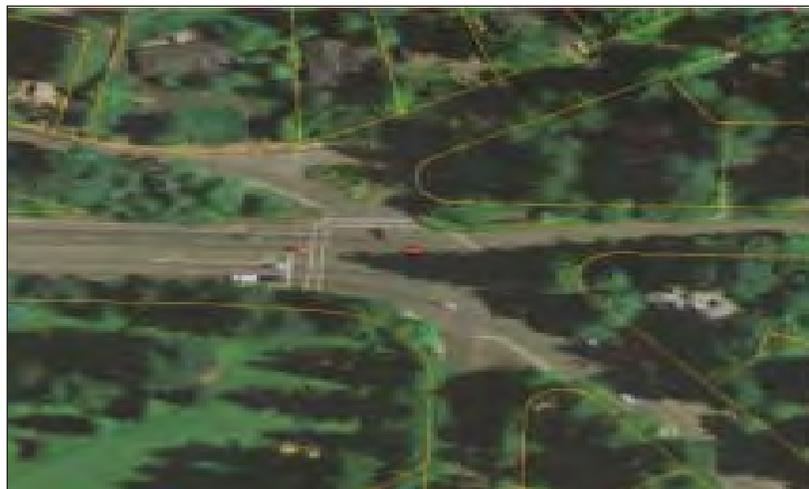
**Project Name:** **6 Corner Intersection Alignment Improvements**

**Project Description:** This project will realign the two northerly legs of this intersection to eliminate many conflict points, improve traffic flow, safety, reduce congestion and improve line of sight. The project will combine the north leg of Iron Mountain and Bayberry into one approach and remove the undefined landscaped area.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Improve Safety and Reduce Congestion



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						145
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$145
Expenses	Design						24
	Proj. Admin						21
	Construction						100
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$145

# TRANSPORTATION - INTERSECTIONS

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# TRANSPORTATION - PATHWAYS

Pathways	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Chow Corner Regional Sidewalk		Street	342,000					342,000
Laurel St-Hallinan St to Cornell St Pathway		Street/SDCs	160,000	930,000	810,000			1,900,000
ADA Sidewalk Ramp Retrofit Program		Street		80,000	80,000	80,000	80,000	320,000
<b>Total</b>			<b>502,000</b>	<b>1,010,000</b>	<b>890,000</b>	<b>80,000</b>	<b>80,000</b>	<b>2,562,000</b>
<b>Unfunded</b>								
E Avenue Neighborhood Pathway	1	Street						368,000
Cherry Lane Neighborhood Pathway	2	Street						118,000
Douglas Way Pathway	3	Street						40,000
Lanewood St-Douglas Circle Pathway	4	Street						257,000
Mercantile Dr Local Pathway	5	Street						52,000
Daniel Way Pathway	6	Street						135,000
Twin Fir Rd Upper Dr - Boones Ferry Rd	7	Street						1,236,000
Glenmorrie Dr-Hwy 43 to Old River Rd	8	Street						320,000
Fernwood Dr - Mapleleaf Rd to Greentree Ave	9	Street						268,000
Boca Ratan Pathway	10	Street						31,000
Boones Ferry Bike Lanes	11	Street/Grant						870,000
Hwy 43 Bike Connection	12	Street/Grant						382,000
LO-Portland	13	Street/Grant						4,630,000
Cornell-Hemlock to Bergis Pathway	14	Street						335,000
Oak St-McVey Ave to Palisades Terrace Dr Pathway	15	Street						134,000
Small Infill Pathways and Sidewalks	16	Street						105,000
Waluga Dr Neighborhood Pathway	17	Street						185,000
Fernwood Dr-Tree Top Lane Community Pathway	18	Street						460,000
Meadowlark Lane-Overlook Dr to Ridge Pointe Dr	19	Street						103,000
Iron Mt. Upper Drive	20	Street/Grant						595,000
Bryant Rd Bike Lanes/Pathway	21	Street/Grant						636,000
Kelok Neighborhood Pathway	22	Street						129,000
Timberline-Knaus to Bonniebrae Dr Sidewalk	23	Street						335,000

# TRANSPORTATION - PATHWAYS

Pathways (cont.)	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Unfunded</b>								
Goodall-Knaus to Country Club Pathway	24	Street						<b>474,000</b>
Fir Ridge Rd Sidewalk	25	Street						<b>139,000</b>
Greentree Rd Community Pathway	26	Street						<b>278,000</b>
Palisades Crest Dr Neighborhood Pathway	27	Street						<b>180,000</b>
Library to ACC Pathway	28	Street						<b>75,000</b>
Childs Rd-Canal Acres to Sycamore Pathway	29	Street						<b>263,000</b>
Knaus Rd-Boones Ferry Rd to Country Club Rd Pathway	30	Street						<b>538,000</b>
Lakeview-Iron Mountain Blvd	31	Street						<b>927,000</b>
Kerr Parkway Pathway	32	Street						<b>180,000</b>
Carman Dr Kruse Way to I-5	33	Street						<b>815,000</b>
Westview Dr-Greentree Rd & South Shore Blvd	34	Street						<b>772,000</b>
Washington Court Pathway	35	Street						<b>155,000</b>
Firwood Rd Neighborhood Pathway	36	Street						<b>392,000</b>
Canyon Dr Neighborhood Pathway	37	Street						<b>200,000</b>
Willamette Steps	38	Street						<b>2,132,000</b>
	<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19,244,000</b>

# TRANSPORTATION - PATHWAYS

**Project Name:** Chow Corner Regional Sidewalk

**Project Description:** This project includes a sidewalk along Boones Ferry Rd and across the Jean Way Railroad crossing. The sidewalk will be an infill project connecting to the existing sidewalks from Chow Corner to existing City of Tualatin sidewalk. This project also includes installing a concrete vehicle crossing across Boones Ferry Rd.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** 2013

**Justification:** Bridgeport Motion



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating	342					342
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$342</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$342</b>
Expenses	Design	100					100
	Proj. Admin	22					22
	Construction	220					220
							-
<b>Expenses Total</b>		<b>\$342</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$342</b>

# TRANSPORTATION - PATHWAYS

**Project Name:** **Laurel Street - Hallinan Street to Cornell Street Pathway**

**Project Description** This project involves a 1,600 ft long, 6 ft wide sidewalk incorporating some current sidewalks. This pathway is listed on the 2002 Transportation Advisory Board’s “top ten” list. A feasibility study and sidewalk design were completed in 2008. A large retaining wall will have to be built, the roadway will have to be widened to meet City Standards and drainage will have to be improved.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:**

**Justification:** Trails Master Plan and Tab Recommendation



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating			100			100
	SDC's	160	930	710			1,800
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$160</b>	<b>\$930</b>	<b>\$810</b>	<b>\$-</b>	<b>\$-</b>	<b>\$1,900</b>
Expenses	Design	120	60				180
	Proj. Admin	40	70	10			120
	Construction		800	800			1,600
							-
<b>Expenses Total</b>		<b>\$160</b>	<b>\$930</b>	<b>\$810</b>	<b>\$-</b>	<b>\$-</b>	<b>\$1,900</b>

# TRANSPORTATION - PATHWAYS

**Project Name:** ADA Sidewalk Ramp Retrofit Program

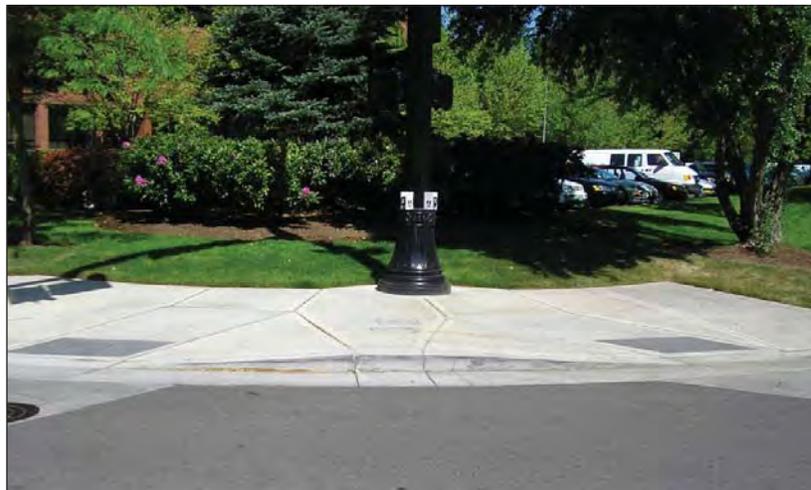
**Project Description:** This annual program addresses the need to retrofit existing sidewalk ramps and bring them into compliance with the Americans with Disabilities Act. Locations vary throughout the city. FY 13/14 funds (\$131,000) have been transferred to the Kerr Parkway Rehabilitation project to finance ADA pedestrian improvements at the intersection of Kerr Parkway/Country Club Rd/Boones Ferry Rd.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** Annual

**Justification:** Federal Requirements



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating		80	80	80	80	320
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$80</b>	<b>\$80</b>	<b>\$80</b>	<b>\$80</b>	<b>\$320</b>
Expenses	Design		5	5	5	5	20
	Proj. Admin		5	5	5	5	20
	Construction		70	70	70	70	280
							-
<b>Expenses Total</b>		<b>\$-</b>	<b>\$80</b>	<b>\$80</b>	<b>\$80</b>	<b>\$80</b>	<b>\$320</b>

# TRANSPORTATION - PATHWAYS

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# TRANSPORTATION - PATHWAYS

**Project Name:** **E Avenue Neighborhood Pathway**

**Project Description:** E Ave pathway will be a 1642 ft long, 5 ft wide asphalt pathway between 4th St and 10th St that includes stormwater drainage improvements. The pathway is part of the Comprehensive Plan and is included in the Metro Regional Pathway/Trail plan. The First Addition Neighborhood has been very proactive in maintaining a clear right-of-way. Alta Planning has completed preliminary design for the pathway project. The City will continue to look for grant fund opportunities to fund this project.

It is important to note that the entire neighborhood lacks surface water drainage systems. Surfacewater runoff would be increased by this project, which is a concern of the neighborhood. Using the November 2009 drainage study for the area, the cost of a sustainable low impact development drainage system is approximately \$148,000 per block. To work on the pathway as a stand-alone project and to address the drainage within the project limits, approximately 8 blocks of drainage work would need to be added, amounting to an additional \$1.2 million.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Metro Regional Pathway/Trail Plan/TAB Recommendation



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						368
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$368</b>
Expenses	Design						52
	Proj. Admin						30
	Construction						286
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$368</b>

# TRANSPORTATION - PATHWAYS

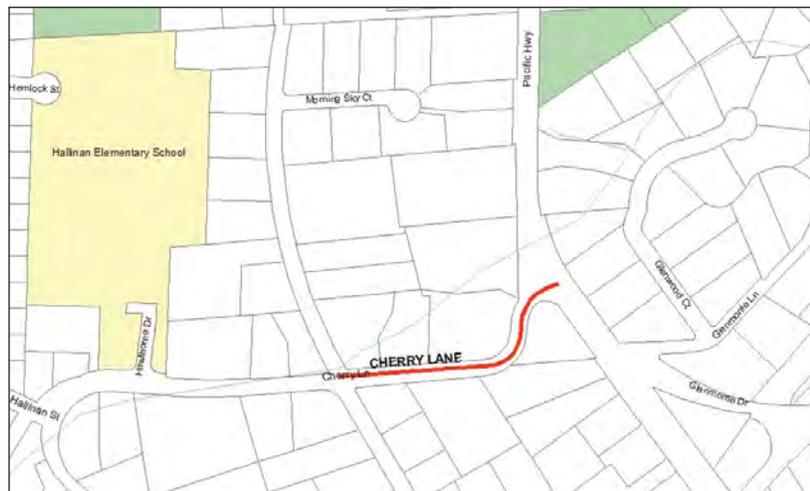
**Project Name:** **Cherry Lane Neighborhood Pathway**

**Project Description:** This project includes a 750 ft long, 5 ft wide asphalt pathway between Chapin Way and Hwy 43. This pathway was partially constructed from Chapin Way to Hallinan Elementary School and would finish connectivity to the school and Tri-Met bus stop. The neighborhood association supports this pathway and it's on the 2002 Transportation Advisory Board's "top ten" list.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Glenmorrie Neighborhood Plan/TAB Recommendation



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						118
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$118
Expenses	Design						26
	Proj. Admin						11
	Construction						81
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$118

# TRANSPORTATION - PATHWAYS

**Project Name:** Douglas Way Pathway

**Project Description:** This project would complete a 300 foot section of sidewalk that is missing to connect up with existing sidewalk from Boones Ferry to Lake Grove Elementary School.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Waluga Neighborhood Association



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						40
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$40
Expenses	Design						10
	Proj. Admin						5
	Construction						25
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$40

# TRANSPORTATION - PATHWAYS

**Project Name:** **Lanewood Street - Douglas Circle Pathway**

**Project Description:** This project includes a 2,100 ft long, 5 ft wide sidewalk/pathway that would run along Lanewood St and Douglas Circle between Twin Fir Rd and Boones Ferry Rd. Within the Lake Grove Village Center boundary, the improvements shall be made as concrete sidewalks on both sides of the street. Outside of the center an asphalt pathway is proposed. The area has very few physical issues and is in the Lake Grove Elementary School walking route.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Trails Master Plan and Lake Grove neighborhood Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						257
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$257</b>
Expenses	Design						51
	Proj. Admin						26
	Construction						180
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$257</b>

# TRANSPORTATION - PATHWAYS

**Project Name:** **Mercantile Drive Local Pathway**  
**Project Description:** This project consists of two 400 ft long, 5 ft wide concrete sidewalks between Boones Ferry Rd and Hallmark Dr.  
**Funded/Unfunded:** Unfunded  
**Estimated Completion Date:**  
**Justification:** Waluga Neighborhood Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						52
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$52
Expenses	Design						13
	Proj. Admin						8
	Construction						31
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$52

# TRANSPORTATION - PATHWAYS

**Project Name:** Daniel Way Pathway

**Project Description:** This project includes an 800 ft long, 5 ft wide asphalt pathway between Carman Dr and the West End Building. This pathway would provide safe access for the residents wanting to go to the West End Building or Lake Grove Village Center.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Trails Master Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						135
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$135
Expenses	Design						21
	Proj. Admin						11
	Construction						103
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$135

# TRANSPORTATION - PATHWAYS

**Project Name:** Twin Fir Road Upper Drive - Boones Ferry Road

**Project Description:** This project includes a 3,500 ft long, 5 ft wide asphalt pathway. As part of the design and engineering geotechnical studies will need to be done, retaining walls will need to be engineered and surface water system will need to put in place.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Trails Master Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						1,236
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,236
Expenses	Design						154
	Proj. Admin						92
	Construction						990
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,236

# TRANSPORTATION - PATHWAYS

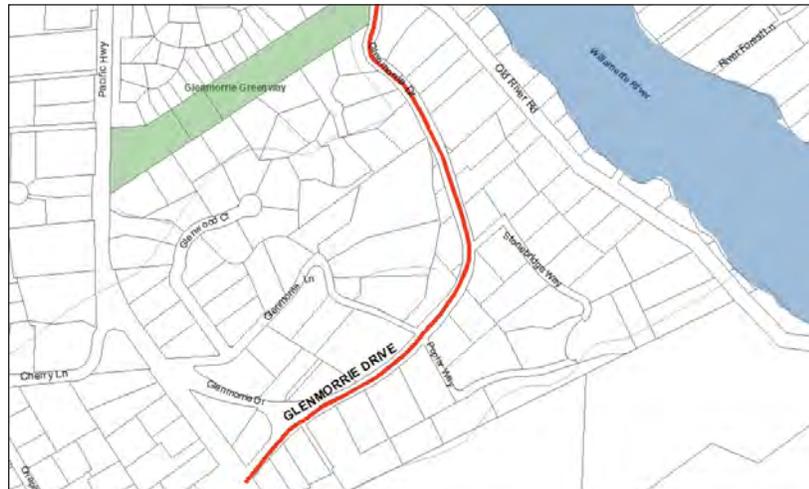
**Project Name:** **Glenmorrie Drive - Highway 43 to Old River Road**

**Project Description:** This project includes a 2,400 ft long, 5 ft wide asphalt pathway, that would have to run on the southeast side of the roadway. There are some right-of-way issues along some sections of this roadway and there is a heritage tree along the edge of the roadway.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Trails Master Plan and Glenmorrie Neighborhood Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						320
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$320
Expenses	Design						60
	Proj. Admin						35
	Construction						225
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$320

# TRANSPORTATION - PATHWAYS

**Project Name:** **Fernwood Drive - Mapleleaf Road to Greentree Avenue**

**Project Description:** This project includes a 1,200 ft long, 5 ft wide asphalt pathway. The grade is fairly flat and there are ditch lines on both sides of the roadway. This pathway would require an extensive drainage plan for this location.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Trails Master Plan and Palisades Neighborhood Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						268
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$268
Expenses	Design						50
	Proj. Admin						28
	Construction						190
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$268

# TRANSPORTATION - PATHWAYS

**Project Name:** **Boca Ratan Pathway**

**Project Description:** This project is a 1,600 ft long and 5.5 ft wide concrete sidewalk between Atwater and Bonniebrae. This pathway was on the 2002 TAB top ten neighborhood pathway list and is in the Forest Hills Elementary walk to school route and would provide good connectivity.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Metro's Regional Transportation Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						31
	SDC's						-
	Bonds						
	Grants						
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$31
Expenses	Design						2
	Proj. Admin						8
	Construction						21
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$31

# TRANSPORTATION - PATHWAYS

**Project Name:** Boones Ferry Road Bike Lanes

**Project Description:** This project adds bike lanes from Country Club Rd to the North City Limits. The total cost of the project is estimated at \$8,450,000, not including inflation, which includes extensive widening and retaining walls above and below the roadway grade. This project is contained in Metro's 2035 Regional Transportation Plan. If grants and regional funding are approved in the future, then the cost to Lake Oswego is estimated at about 10% of the total project cost.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Metro's Regional Transportation Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
	Operating						
	SDC's						-
	Bonds						
Street	Grants						870
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$870</b>
Expenses	Design						131
	Proj. Admin						43
	Construction						696
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$870</b>

# TRANSPORTATION - PATHWAYS

**Project Name:** Highway 43 Bike Connection

**Project Description:** This project adds bike lanes northbound and southbound from Terwilliger Blvd. to McVey Ave. The total cost of this regional project is estimated at \$3,700,000 not including inflation. This project is contained in Metro's 2035 Regional Transportation Plan. If grants and regional funding are approved in the future, then the cost to Lake Oswego is estimated at about 10% of the total project cost.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Metro's 2035 Regional Transportation Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
	Operating						
	SDC's						-
	Bonds						
Street	Grants						382
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$382</b>
Expenses	Design						76
	Proj. Admin						38
	Construction						268
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$382</b>

# TRANSPORTATION - PATHWAYS

**Project Name:** Lake Oswego to Portland Pathway

**Project Description:** This project creates a pedestrian trail that follows along Highway 43 and spans from downtown Lake Oswego to Portland. The total cost of this regional project is estimated at \$46,300,000 not including inflation. This project is contained in Metro’s 2035 Regional Transportation Plan. If grants and regional funding are approved in the future, then the cost to Lake Oswego is estimated at about 10% of the total project cost.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Metro’s 2035 Regional Transportation Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
	Operating						
	SDC's						-
	Bonds						
Street	Grants						4,630
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$4,630
Expenses	Design						695
	Proj. Admin						232
	Construction						3,703
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$4,630

# TRANSPORTATION - PATHWAYS

**Project Name:** **Cornell - Hemlock to Bergis Pathway**

**Project Description:** This project consists of a 2,500 ft long asphalt pathway. Part of this pathway would be through area deemed sensitive lands/tree grove. This would require the removal of old growth trees. There would be drainage and ADA accessibility issues.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Neighborhood Request



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						335
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$335</b>
Expenses	Design						50
	Proj. Admin						40
	Construction						245
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$335</b>

# TRANSPORTATION - PATHWAYS

**Project Name:** Oak Street - McVey Avenue to Palisades Terrace Drive Pathway

**Project Description:** This project consists of a 1,000 ft long, 5 ft wide asphalt pathway. The area is fairly flat and there is adequate right-of-way. There is one narrow spot at Lost Dog Creek culvert that may add to the total cost estimate.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Trails Master Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						134
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$134</b>
Expenses	Design						26
	Proj. Admin						15
	Construction						93
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$134</b>

# TRANSPORTATION - PATHWAYS

**Project Name:** **Small Infill Pathways and Sidewalks**

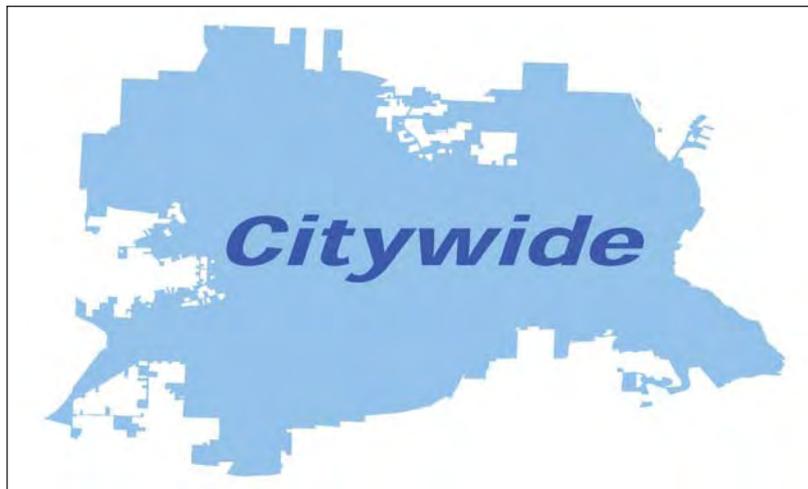
**Project Description:** This project encompasses four short segments of asphalt concrete where each location should be bid as a lump sum separate project. The total of all of the lump sum bids will be the basis for the bid award. This way all mobilization, bonding and insurance, traffic control, labor, excavation and disposal cost will be reduced by combining small projects: Boones Ferry Rd between Knaus Rd.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Various Neighborhood Plans



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						105
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$105
Expenses	Design						25
	Proj. Admin						15
	Construction						65
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$105

# TRANSPORTATION - PATHWAYS

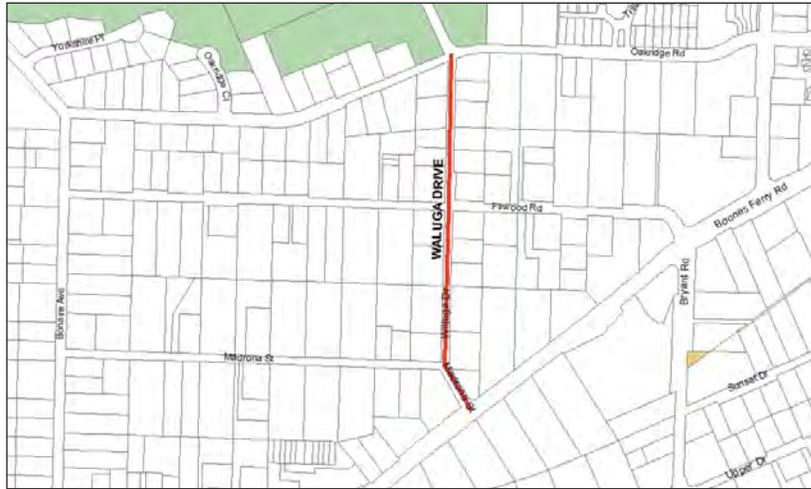
**Project Name:** **Waluga Drive Neighborhood Pathway**

**Project Description:** This project includes a 1,200 ft long, 5 ft wide asphalt pathway that would run between Oakridge Rd and Madrona Dr. The right-of-way would have to be acquired and several large Douglas Fir trees would have to be removed. Much of this area has not been annexed into the City of Lake Oswego.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Trails Master Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						185
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$185</b>
Expenses	Design						51
	Proj. Admin						21
	Construction						113
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$185</b>

# TRANSPORTATION - PATHWAYS

**Project Name:** **Fernwood Drive - Tree Top Lane Community Pathway**

**Project Description:** This project includes a 3,300 ft long, 5 ft wide pathway between South Shore Blvd and Tree Top Lane and a 5.5 ft wide concrete sidewalk along Tree Top Lane. This pathway could need extensive storm water system to pipe the ditch lines in the right-of-way and there would be lost on-street parking along sections of this roadway.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Palisades Neighborhood Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						460
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$460
Expenses	Design						50
	Proj. Admin						95
	Construction						315
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$460

# TRANSPORTATION - PATHWAYS

**Project Name:** Meadowlark Lane - Overlook Drive to Ridge Pointe Drive

**Project Description:** This project would continue an existing sidewalk for another 700 ft from Overlook Dr to just before Ridge Pointe Dr. This sidewalk would go behind an existing curb and gutter and would need to remove some existing landscaping and a couple of large caliper trees.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Palisades Neighborhood Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						103
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$103
Expenses	Design						21
	Proj. Admin						15
	Construction						67
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$103

# TRANSPORTATION - PATHWAYS

**Project Name:** Iron Mountain/Upper Drive Bike Lanes

**Project Description:** This project adds bike lanes from 10th St to Bryant Rd. The total cost of this regional project is estimated at \$5,770,000 not including inflation. This project is contained in Metro's 2035 Regional Transportation Plan. If grants and regional funding are approved in the future, then the cost to Lake Oswego is estimated at about 10% of the total project cost.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Metro's 2035 Regional Transportation Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
	Operating						
	SDC's						-
	Bonds						
Street	Grants						595
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$595</b>
Expenses	Design						90
	Proj. Admin						30
	Construction						475
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$595</b>

# TRANSPORTATION - PATHWAYS

**Project Name:** Bryant Road Bike Lanes and Pathway

**Project Description:** This project adds bike lanes and pathways from Childs Rd to Boones Ferry Rd. The total cost of the regional project is estimated at \$6,360,000. This project is contained in Metro's 2035 Regional Transportation Plan. If grants and regional funding are approved in the future, then the cost to Lake Oswego is estimated at 10% of the total project cost.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Metro's 2035 Regional Transportation Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
	Operating						
	SDC's						-
	Bonds						
Street	Grants						636
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$636</b>
Expenses	Design						95
	Proj. Admin						32
	Construction						509
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$636</b>

# TRANSPORTATION - PATHWAYS

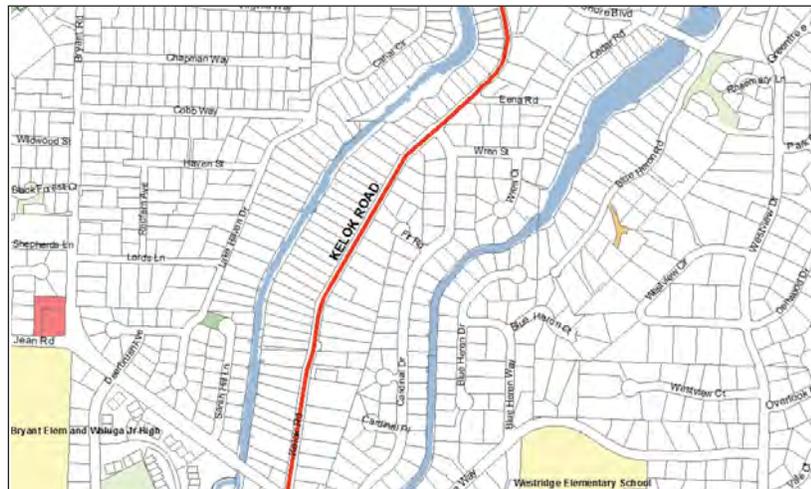
**Project Name:** Kelok Neighborhood Pathway

**Project Description:** This project includes a 1,000 ft long, 5 ft wide asphalt pathway between South Shore Blvd and Bryant Rd. The pathway is listed on the Trails master Plan as a proposed Community Connector between South Shore Blvd and Cardinal Dr and local pathway from Cardinal Dr to Bryant Rd.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Trails Master Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						129
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$129
Expenses	Design						26
	Proj. Admin						14
	Construction						89
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$129

# TRANSPORTATION - PATHWAYS

**Project Name:** **Timberline - Knaus to Bonniebrae Drive Sidewalk**

**Project Description:** This project encompasses a 32 ft wide roadway, making this a good candidate for a 6 ft wide sidewalk. This would leave on-street parking and would provide additional traffic calming by narrowing the roadway.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Trails Master Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						335
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$335</b>
Expenses	Design						67
	Proj. Admin						31
	Construction						237
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$335</b>

# TRANSPORTATION - PATHWAYS

**Project Name:** **Goodall - Knaus to Country Club Pathway**

**Project Description:** This project consists of a 3,300 ft long, 5 ft wide pathway. There are ditch lines on both sides of the roadway, Nettle Creek runs year-round in the east ditch line. The project priority, funding and selection is subject to transfer of road authority from Clackamas County to City of Lake Oswego.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Trails Master Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						474
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$474
Expenses	Design						87
	Proj. Admin						47
	Construction						340
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$474



# TRANSPORTATION - PATHWAYS

**Project Name:** **Greentree Road Community Pathway**

**Project Description:** This project includes a 2,400 ft long, 5 ft wide pathway between Fernwood Dr and Westview Dr. The project would use shoulder areas that would eliminate parking and require retaining walls and drainage modifications.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Palisades Neighborhood Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						278
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$278
Expenses	Design						46
	Proj. Admin						27
	Construction						205
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$278

# TRANSPORTATION - PATHWAYS

**Project Name:** Palisades Crest Drive Neighborhood Pathway

**Project Description:** This project consists of a 1,100 ft long local pathway between Hillside Dr and Cook's Butte Park. A sidewalk along the northeast side would be where streetlights already exist. In addition, this route has the flattest grade and would limit the amount of retaining walls. Several utilities would need to be moved and some trees would be removed.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Palisades Neighborhood Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						180
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$180
Expenses	Design						36
	Proj. Admin						17
	Construction						127
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$180

# TRANSPORTATION - PATHWAYS

**Project Name:** Library to ACC Pathway

**Project Description:** This project encompasses two pathways: 4th St between E Ave and F Ave (200 ft) and G Ave between 4th St and ACC (300 ft). This project could be combined with the E Ave Neighborhood Pathway project and would provide connectivity if both facilities remain in the current location. These are on the 2002 Transportation Advisory Board “top ten” list.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Neighborhood Plan and TAB Recommendation



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						75
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$75
Expenses	Design						16
	Proj. Admin						8
	Construction						51
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$75

# TRANSPORTATION - PATHWAYS

**Project Name:** Childs Road - Canal Acres to Sycamore Pathway

**Project Description:** This project consists of a 1,400 ft long pathway. Due to the fact that this section of roadway has wetlands on both sides, a “boardwalk” style walkway would be staff’s recommendation for this location.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Neighborhood Request



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						263
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$263
Expenses	Design						51
	Proj. Admin						32
	Construction						180
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$263

# TRANSPORTATION - PATHWAYS

**Project Name:** **Knaus Road - Boones Ferry Road to Country Club Road Pathway**

**Project Description:** This project includes a 4,000 ft long, 5 ft wide asphalt pathway. Some of this roadway is still in Clackamas County road authority and sections of the pathway have been built through annexation and redevelopment.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Trails Master Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						538
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$538</b>
Expenses	Design						72
	Proj. Admin						46
	Construction						420
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$538</b>

# TRANSPORTATION - PATHWAYS

**Project Name:** Lakeview - Iron Mountain Boulevard

**Project Description:** This project encompasses a continuance of an existing 5 ft wide pathway for an additional 750 ft in length. There are right-of-way issues along this section of roadway and an extensive retaining wall would have to be built. Geotechnical work, engineering and design will also be needed.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Trails Master Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						927
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$927
Expenses	Design						139
	Proj. Admin						46
	Construction						742
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$927

# TRANSPORTATION - PATHWAYS

**Project Name:** **Kerr Parkway Pathway**

**Project Description:** This section of pathway would be approximately 1,400 ft long and 6 ft wide and would run along the east side of Kerr Parkway between Boones Ferry and McNary (lower intersection). This pathway would occur in cooperation with the Mountain Park home Owner Association as an extension of a pathway they have built along Common Property.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Trails Master Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						180
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$180
Expenses	Design						30
	Proj. Admin						15
	Construction						135
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$180

# TRANSPORTATION - PATHWAYS

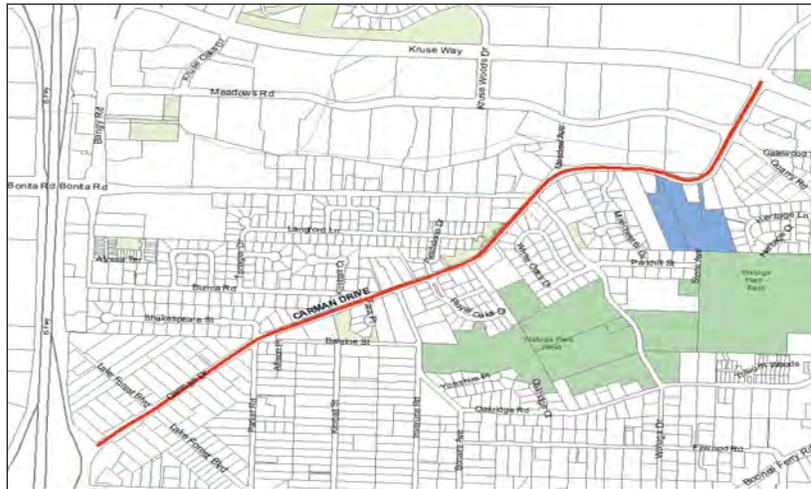
**Project Name:** Carman Drive - Kruse Way to I-5

**Project Description:** This project encompasses adding bike lanes, sidewalks and/or pedestrian pathway from Kruse Way to Carman Dr (1.2 miles). The project priority, funding and selection is subject to transfer of road from Clackamas County to the City of Lake Oswego.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Neighborhood Request



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						815
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$815</b>
Expenses	Design						80
	Proj. Admin						45
	Construction						690
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$815</b>



# TRANSPORTATION - PATHWAYS

**Project Name:** Washington Court Pathway

**Project Description:** This project consists of a 800 ft long, 5 ft wide asphalt pathway listed as a community trail for the Trails Master Plan. Right-of-way may need to be acquired, encroachment issues and large Douglas Fir trees may make this pathway costly.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Trails Master Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						155
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$155
Expenses	Design						51
	Proj. Admin						16
	Construction						88
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$155

# TRANSPORTATION - PATHWAYS

**Project Name:** **Firwood Road Neighborhood Pathway**

**Project Description:** This project includes a 2,500 ft long, 5 ft wide asphalt pathway. The City would need to acquire right-of-way and remove large Douglas Fir trees to implement this pathway. Priority of this pathway is based on acquiring road authority for part of this project from Clackamas County.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Lake Forest Neighborhood Request



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						392
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$392
Expenses	Design						67
	Proj. Admin						35
	Construction						290
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$392

# TRANSPORTATION - PATHWAYS

**Project Name:** Canyon Drive Neighborhood Pathway

**Project Description:** This project includes a 1,150 ft long, 5 ft wide asphalt pathway running from Park Rd to South Shore Blvd. The section between Park Rd and Greentree Rd is in an unconstructed right-of-way and will need extensive surface water drainage requirements.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Palisades Neighborhood Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						200
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$200
Expenses	Design						36
	Proj. Admin						16
	Construction						148
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$200

# TRANSPORTATION - PATHWAYS

**Project Name:** Willamette Steps

**Project Description:** This project provides the primary pedestrian connection between Downtown Lake Oswego and the Foothills District. The project includes new steps within an 80 foot right-of-way, beginning on the east side of State St, crossing the UPR tracks at grade, and continuing down steps to the Foothills Rd/B Ave intersection. Americans with Disabilities Act (ADA) access could take place on a ramp system to the south of the steps, including a pathway connection leading to the Oswego Pointe Dr/Foothills Rd intersection.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Economic Development



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating						2,132
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$2,132
Expenses	Design						
	Proj. Admin						
	Construction						
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$2,132

# TRANSPORTATION - BICYCLE PED. PATHWAYS

Bicycle Pedestrian Pathways	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Citywide Bicycle/Pedestrian Pathway		Bicycle			100,000		40,000	<b>140,000</b>
Misc. Projects								
<b>Total</b>			<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>40,000</b>	<b>140,000</b>

# TRANSPORTATION - BICYCLE PED. PATHWAYS

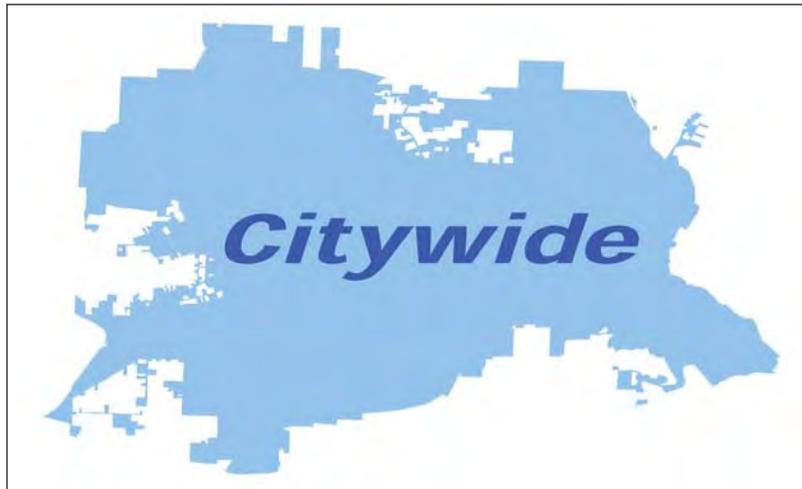
**Project Name:** **Citywide Bicycle Pedestrian Pathway Miscellaneous Projects**

**Project Description:** General repair of bicycle and pedestrian pathways throughout the city, including but not limited to removal of tree roots, installation of truncated domes and asphalt overlays.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** Ongoing

**Justification:** Periodic Asset Maintenance



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Bicycle	Operating			100		40	<b>140</b>
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$100</b>	<b>\$-</b>	<b>\$40</b>	<b>\$140</b>
Expenses	Design						-
	Proj. Admin						-
	Construction			100		40	<b>140</b>
							-
<b>Expenses Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$100</b>	<b>\$-</b>	<b>\$40</b>	<b>\$140</b>

# UTILITIES - WATER OVERVIEW

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## **Water System:**

The City's water source originates in the Clackamas River Basin. Water is pumped from a river intake pump station in Gladstone through a 27 inch raw water transmission line that travels under the Willamette River and to a water treatment plant in West Linn. The water treatment plant is connected to the City water distribution network by a 24 inch finished water transmission pipeline. The water distribution system consists of approximately 250 miles of transmission and distribution mains, 16 water storage reservoirs, and 12 pump stations. The water system serves the City of Lake Oswego as well as unincorporated areas such as Forest Highlands and west Lake Grove. The City wholesales surplus water to the Lake Grove Water District, Hidalgo/Arrowood Water, Alto Park, Skyland Water District and the City of Tigard. The Lake Oswego water system also serves as an emergency water supply for the City of West Linn.

## **Major Projects:**

Construction projects included in the CIP are generally based on the 2001 "Water System Master Plan" update. The plan describes system deficiencies and identifies projects that must be constructed to serve existing and future water needs. The plan identifies when major upgrades to the City water intake and distribution system should be made in order to keep up with the demand of the increasing population of the area.

The most significant project in progress is the Lake Oswego Tigard Water Supply Expansion Project. This joint project is managed by the City of Lake Oswego and will increase the river intake and water treatment plant capacity from 16 mgd to 32 mgd. This project will install approximately 15,000 ft of new raw water pipeline from the intake under the Willamette River and to the Water Treatment Plant. A second finished water pipeline approximately 25,000 ft, will be installed parallel to the existing line from the Water Treatment Plant to the Waluga Reservoir.

## **Annual Rehabilitation Projects:**

Projects included in the annual rehab program are identified by Maintenance Services staff, the Fire Department, and citizen complaints. Maintenance projects are targeted for areas of the distribution system with high maintenance and repair costs, poor fire flows, and low domestic water pressure. Improvements to pump stations, reservoirs and the water treatment plant will increase the reliability, energy efficiency and safety of these facilities. Annual System Rehabilitation projects are also included in the CIP as a vital component of the water system. Many lines throughout the City are leaky or undersized, which results in loss of water and flow inefficiencies. In the early years of Lake Oswego, much of the water system was installed with undersized lines throughout the system. Through the annual rehabilitation program, old, deteriorating undersized water lines are replaced with larger, ductile iron water mains.

## **Funding Source:**

The Water Fund is an enterprise fund used to account for all financial activity associated with the operation and maintenance of the City's water utility system. Water utility improvement projects are supported by the City's Water fees, which are restricted to purposes related to construction, repair, and operation of the water system. Additionally, System Development Charges are recovered from new development projects, but this is a minor portion of the overall funding for this program.

# UTILITIES - WATER

Water	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Annual Water Rehabilitation Program		Water	200,000	200,000	1,000,000	200,000	200,000	<b>1,800,000</b>
Touchstone Reservoir Pump Station Improvements		Water		600,000				<b>600,000</b>
Summit Radio Telemetry System Upgrade		Water	10,000	45,000				<b>55,000</b>
10th Street and McVey Pump Station Electrical Upgrades		Water	20,000	50,000				<b>70,000</b>
<b>Total</b>			<b>230,000</b>	<b>895,000</b>	<b>1,000,000</b>	<b>200,000</b>	<b>200,000</b>	<b>2,525,000</b>
<b>Unfunded</b>								
Pipe, Reservoir, & Pump Station Improvements	1	Water						<b>40,000,000</b>
Automatic Meter Reading Infrastructure	2	Water						<b>4,000,000</b>
<b>Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>44,000,000</b>

# UTILITIES - WATER

**Project Name:** Annual Water Rehabilitation Program

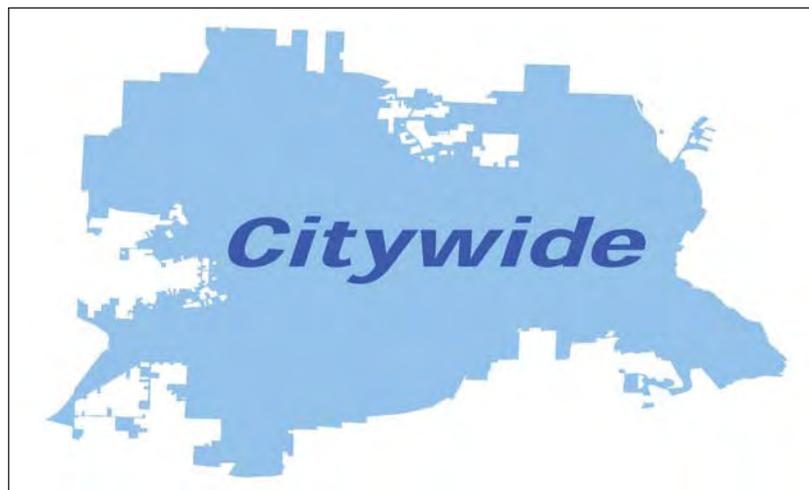
**Project Description:** These projects replace old, undersized pipelines and pipelines that do not meet engineering design criteria for peak water demands and fire flow. The project list is to be developed from the master plan recommendations as well as from trouble spots suggested by Maintenance Services Department and identified by coexisting projects in streets and sewer.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** Annual

**Justification:** Periodic Update



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Water	Operating	200	200	1,000	200	200	<b>1,800</b>
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$200</b>	<b>\$200</b>	<b>\$1,000</b>	<b>\$200</b>	<b>\$200</b>	<b>\$1,800</b>
Expenses	Design	40					<b>40</b>
	Proj. Admin	20					<b>20</b>
	Construction	140	200	1,000	200	200	<b>1,740</b>
							-
<b>Expenses Total</b>		<b>\$200</b>	<b>\$200</b>	<b>\$1,000</b>	<b>\$200</b>	<b>\$200</b>	<b>\$1,800</b>

# UTILITIES - WATER

**Project Name:** Touchstone Reservoir Pump Station Improvements

**Project Description:** This project replaces undersized pumps and motors per the Master Plan recommendation to accommodate peak day demands and also to reduce O&M costs. Since the Waluga pump station upgrades were implemented with larger more efficient pumps the Touchstone pump station has struggled to match its pumping capacity. New pumps will improve pumping capacity as well as reduce maintenance costs which have increased due to burned out motors that are being overworked. Also with the pump improvements include an updated pump station access by excavating and installing a side door to remove confined space entry requirements.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** 2015

**Justification:** Safety and Operability



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Water	Operating		600				600
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$600	\$-	\$-	\$-	\$600
Expenses	Design		90				90
	Proj. Admin		30				30
	Construction		480				480
							-
<b>Expenses Total</b>		\$-	\$600	\$-	\$-	\$-	\$600

# UTILITIES - WATER

**Project Name:** **Summit Radio Telemetry System Upgrade**

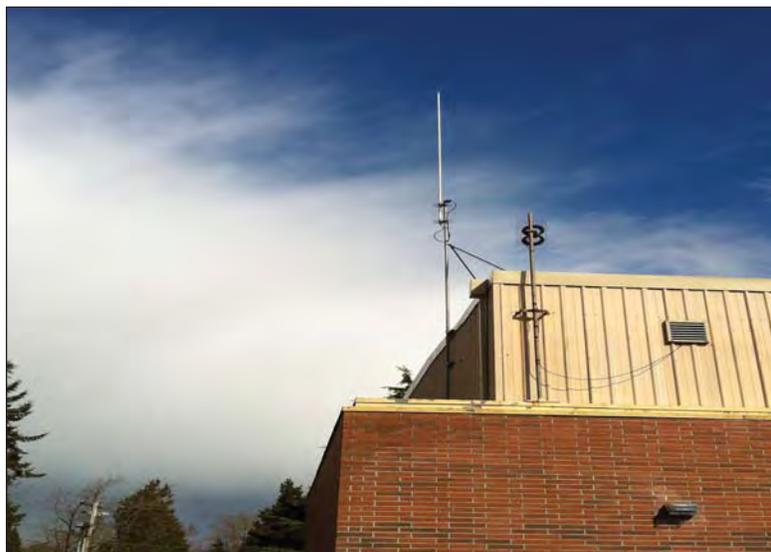
**Project Description:** The Summit Radio station for the Water system is the primary communications hub and relay for the majority of the distribution system pumps and reservoirs. Its location inside the summit pump station vault is moist and difficult to maintain and has resulted in some reliability problems over the years. It is proposed that this station be moved above-ground and a new antenna mounted on top of Summit Reservoir to improve system communications.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** 2015

**Justification:** Water System SCADA/Communications Reliability



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Water	Operating	10	45				55
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$10</b>	<b>\$45</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$55</b>
Expenses	Design	10	5				15
	Proj. Admin						-
	Construction		40				40
							-
<b>Expenses Total</b>		<b>\$10</b>	<b>\$45</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$55</b>

# UTILITIES - WATER

**Project Name:** **10th Street and McVey Pump Station Electrical Upgrades**

**Project Description:** 10th St and McVey Water Pump stations are among the oldest pump stations in the system. Although there is no need for a capacity increase, the electrical equipment is in need of replacement. Some building improvements are needed at McVey Pump station. Power phase monitors also need to be added to alert the operators to damaging single phase electrical currents. Cost estimate is very rough, additional information needs to be collected to refine numbers.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2015

**Justification:** Safety and Operability



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Water	Operating	20	50				<b>70</b>
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$20</b>	<b>\$50</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$70</b>
Expenses	Design	15	5				<b>20</b>
	Proj. Admin	5	2				<b>7</b>
	Construction		43				<b>43</b>
							-
<b>Expenses Total</b>		<b>\$20</b>	<b>\$50</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$70</b>

# UTILITIES - WATER

**Project Name:** Pipe, Reservoir, and Pump Station Improvements

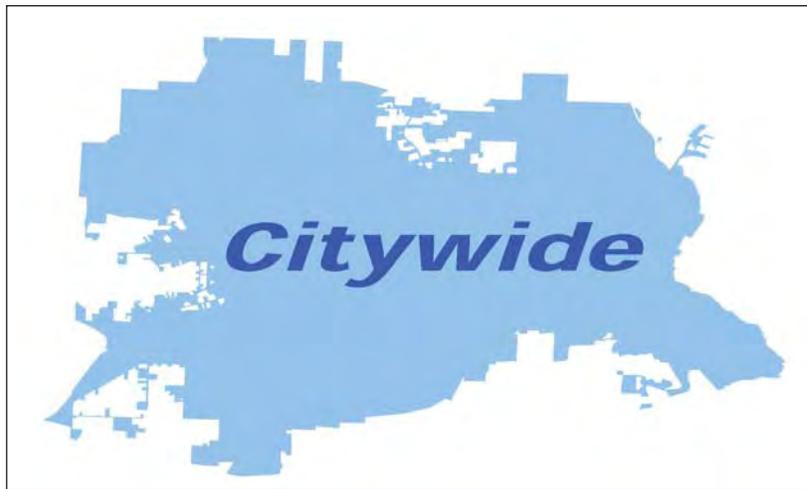
**Project Description:** The 2001 Water Master Plan listed needs of approximately \$40 million. The viable projects from this plan have been completed or will be completed as part of the LO Tigard Partnership. As a placeholder, it is assumed that a future water master plan will reveal a similar need of \$40 million over a 20 year period of time. As a reference point, the City recently spent \$1.7 million replacing 10,000 feet of pipe, which equates to replacing less than one percent of the system. There is about 1.25 million feet of pipe in the City's system; if 20% of the system was replaced over a 20 year period then it would cost about \$42 million total or about \$2.1 million per year, not including inflation.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Water	Operating						40,000
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$40,000
Expenses	Design						-
	Proj. Admin						-
	Construction						-
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$40,000

# UTILITIES - WATER

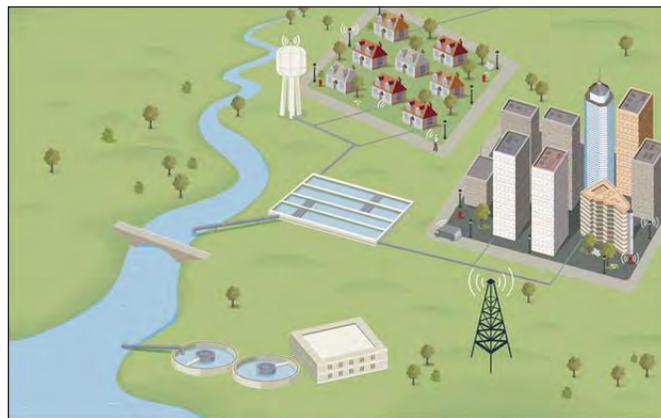
**Project Name:** Automatic Meter Reading Infrastructure

**Project Description:** This project would replace all of the City’s meters with automatic reading meters and would build the infrastructure necessary to support automatic meter reading. This project would enable the City to read meters remotely from City Hall. It is estimated that the Advanced Metering Infrastructure (AMI) has an approximate lifespan of 20 years and would pay for itself in about 7 to 10 years due to cost savings and gained efficiencies. AMI would allow the City to lower the amount of water loss, detect leaks instantly, detect backflow issues, detect tampering, make final reads remotely, analyze data on a daily, weekly or monthly basis, potential for remote shut-off capability additions, and potentially move to monthly billing.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Efficiency, Cost-Effectiveness and Increased Customer Service



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Water	Operating						4,000
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$4,000
Expenses	Design						-
	Proj. Admin						-
	Construction						-
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$4,000

# LO - TIGARD WATER SUPPLY EXPANSION - OVERVIEW

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## Lake Oswego /Tigard Water Supply Expansion

In August 2008, the councils of the two cities executed Intergovernmental Agreement (IGA) to work in good faith to plan, fund, design, construct and operated expanded water supply facilities currently owned by Lake Oswego. In 2009, the Lake Oswego-Tigard Water Supply partnership was created to execute the effort to meet each city's future water supply needs.

The Lake Oswego Tigard Water Partnership expands Lake Oswego's existing drinking water infrastructure so that it can serve both communities

Lake Oswego currently withdraws water from the Clackamas River in Gladstone as it has been for about 40 years. This water travels through a large pipe under the Willamette River to a facility in West Linn where it is treated to safe drinking water standards. The treated water is then pumped through another large pipeline to Lake Oswego and the Waluga Reservoir near the City's western boundary. From there, water goes through pipes to Lake Oswego customers and to Tigard's Bonita Road pump station.

The partnership project will upgrade, upsize and expand six existing facilities:

1. The river intake in Gladstone
2. The pipeline that conveys untreated water to the water treatment facility
3. The water treatment facility in West Linn
4. The pipes that convey treated water to Lake Oswego and Tigard
5. The Waluga Reservoir in Lake Oswego that provides water storage for Lake Oswego and needed capacity to provide water to both communities
6. The Bonita Road pumping station in Tigard.

Under the terms of the IGA between the two cities, Lake Oswego is the managing agency responsible to ensure the expanded facilities are constructed and operational on or before July 1, 2016.

# LO -TIGARD WATER SUPPLY EXPANSION

Lake Oswego-Tigard Water Supply Expansion	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Lake Oswego-Tigard Water Supply Expansion		LO-Tigard	112,208,000	72,611,000	6,582,000	378,000		<b>191,779,000</b>
<b>Total</b>			<b>112,208,000</b>	<b>72,611,000</b>	<b>6,582,000</b>	<b>378,000</b>	<b>0</b>	<b>191,779,000</b>

# LO -TIGARD WATER SUPPLY EXPANSION

**Project Name:** Lake Oswego-Tigard Water Supply Expansion

**Project Description:** Plan, design, finance and construct an expansion of the Lake Oswego’s water supply system from its current capacity of 16 million gallons per day (mgd) to 32 mgd. This project started in FY 2009-10 and will conclude in FY 2016-17. Cost associated with work outside of the current 5-year window are not accounted for in the table below.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2017

**Justification:** Contractual Agreement with the City of Tigard



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
LO-Tigard	Operating	13,753	1,200	99	89		15,141
	SDC's						-
	Bonds	43,000	32,600	3,200	89		78,889
	Intergov't	55,455	38,811	3,283	200		97,749
<b>Resources Total</b>		<b>\$112,208</b>	<b>\$72,611</b>	<b>\$6,582</b>	<b>\$378</b>	<b>\$-</b>	<b>\$191,779</b>
Expenses	Design	3,000	1,700	600	5		5,305
	Proj. Admin	20,000	9,200	4,480	373		34,053
	Construction	89,208	61,711	1,502			152,421
							-
<b>Expenses Total</b>		<b>\$112,208</b>	<b>\$72,611</b>	<b>\$6,582</b>	<b>\$378</b>	<b>\$-</b>	<b>\$191,779</b>

# LO -TIGARD WATER SUPPLY EXPANSION

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# UTILITIES - SURFACE WATER OVERVIEW

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## Surface Water System

The 1987 revisions to the Federal Clean Water Act placed stringent water quality standards on the discharge of storm water runoff into streams, lakes, and rivers. The Surface Water Management (SWM) program was developed to address these water quality regulations and ongoing flooding problems throughout Lake Oswego.

To comply with the requirements of the Clean Water Act and resolve existing drainage problems, the City developed a SWM Master Plan. The development of the SWM Master Plan was guided by a Policy Committee with representatives from the City Council, Natural Resources Advisory Board, Pathway Advisory Board, Lake Oswego Corporation, Clackamas County, and Oregon Department of Environmental Quality (DEQ). The SWM Master Plan identified operating and capital improvement programs to address water quality and local flooding problems.

Several funding mechanisms were investigated to fund the implementation of the Master Plan. The method recommended by the Policy Committee and adopted by the City Council was to establish a utility user fee based upon impervious areas which prevent the infiltration of surface water runoff. This was deemed the most equitable way to allocate costs.

In 1992, the City Council adopted a Surface Water Management Master Plan (SWMMP) and the Surface Water Management Utility user fee to fund the SWM program. The updated SWMMP, referred to as The Clean Streams Plan, was adopted in 2009. The Clean Streams Plan recognizes the need for increased regulatory compliance under the City's National Pollution Discharge Elimination System (NPDES) permit and the Water Pollution Control Facilities (WPCF) permit. The Plan evaluates system capacity deficiencies and recommends capital improvement projects and programmatic components necessary to meet water quality compliance and manage the volume of runoff.

### Projects:

This Capital Improvement Plan (CIP) includes projects founded upon recommendations identified in the SWMMP, staff recommendations and various needs identified by citizen contacts. For the upcoming fiscal year, there are two annual programs that are listed as funded, which are: small works projects and catch basin retrofits. Three other projects are listed as funded, which are drainage improvements to Rockinghorse Lane, Ash Street, and Kerr Parkway.

### Funding Sources:

The Surface Water Fund is an enterprise fund that provides funding for maintenance and capital construction needs of the City's surface water collection system. The Surface Water Fees are restricted to operations, maintenance, and improvement of the surface water system. Additionally, System Development Charges are recovered from new development projects, but this is a minor portion of the overall funding for this program.

# UTILITIES - SURFACE WATER

Surface Water	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Annual Catch Basin Retrofit		Surface Water	79,000	79,000	56,000	56,000	56,000	<b>326,000</b>
Small Works Drainage Improvements		Surface Water	187,000	155,000	80,000	70,000	70,000	<b>562,000</b>
Rockinghorse Lane Drainage Improvements		Surface Water	222,000	629,000				<b>851,000</b>
Ash Street Deep Culvert Replacement		Surface Water	180,000					<b>180,000</b>
Kerr Parkway Drainage Improvement		Surface Water	75,000	313,000				<b>388,000</b>
D Avenue Storm Drainage Infrastructure		Surface Water		117,000	638,000			<b>755,000</b>
B Avenue Storm System Upgrade		Surface Water				170,000	1,078,000	<b>1,248,000</b>
Blue Heron Rd Rehabilitation and Drainage Improvements		Surface Water					90,000	<b>90,000</b>
<b>Total</b>			<b>743,000</b>	<b>1,293,000</b>	<b>774,000</b>	<b>296,000</b>	<b>1,294,000</b>	<b>4,400,000</b>
<b>Unfunded</b>								
Outfall Inventory and Restoration	1	Surface Water						<b>258,000</b>
Lakeview Blvd Roadway and Drainage Improvements	2	Surface Water						<b>516,000</b>
Underground Injection Control, Permitting & Retrofits	3	Surface Water						<b>1,249,000</b>
Southwood Park Detention	4	Surface Water						<b>127,000</b>
Tanglewood Drive Water Quality Detention	5	Surface Water						<b>132,000</b>
Elizabeth Gress Park - Sediment Control/Restoration	6	Surface Water						<b>213,000</b>
Preakness Court Water Quality Detention	7	Surface Water						<b>132,000</b>
Sediment Basin Retrofits	8	Surface Water						<b>381,000</b>
Cherry Crest Detention - Water Quality Treatment Facility	9	Surface Water						<b>580,000</b>
Churchill Downs Drainage Improvements	10	Surface Water						<b>49,000</b>
Touchstone Dr Drainage Improvements	11	Surface Water						<b>84,000</b>
Dolph Court-Country Club Culvert Crossings	12	Surface Water						<b>410,000</b>
Melrose Street Tributary Rehabilitation	13	Surface Water						<b>249,000</b>
Regional Stormwater Facility-Bergis/Stafford Rd	14	Surface Water						<b>632,000</b>
Bayberry-Andrews Rd Drainage Improvements	15	Surface Water						<b>569,000</b>
Eena Rd Drainage Improvements	16	Surface Water						<b>228,000</b>

# UTILITIES - SURFACE WATER

Surface Water (cont.)	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Unfunded</b>								
Lower Boones Ferry Rd - Lake Grove UGB	17	Surface Water						<b>3,073,000</b>
Springbrook Creek Culvert Evaluation	18	Surface Water						<b>351,000</b>
Redfern Avenue Drainage Improvements	19	Surface Water						<b>151,000</b>
Water Reservoir Disconnect	20	Surface Water						<b>680,000</b>
Regional Water Quality Facility Retrofit	21	Surface Water						<b>350,000</b>
Bryant Road Drainage Improvements	22	Surface Water						<b>165,000</b>
Upper Drive - West of Bryant	23	Surface Water						<b>250,000</b>
Relocate Storm and Sanitary Sewer Mains	24	Surface Water						<b>1,070,000</b>
<b>Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,899,000</b>

# UTILITIES - SURFACE WATER

**Project Name:** **Annual Catch Basin Retrofits**

**Project Description:** Many of the City’s existing catch basins were built prior to the water quality standards which are now required. The goal of this project is to retrofit/replace these aging facilities with structures that include sumps to trap sediment and pollution control devices which capture oils and floatable debris, allowing removal through routine maintenance practices. These retrofits projects are conducted in conjunction with scheduled street and/or other utility projects or as a stand alone project.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** Annual

**Justification:** Water Quality, Facilities Upgrades



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating	79	79	56	56	56	<b>326</b>
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$79</b>	<b>\$79</b>	<b>\$56</b>	<b>\$56</b>	<b>\$56</b>	<b>\$326</b>
Expenses	Design	12	12	10	10	10	<b>54</b>
	Proj. Admin	7	7	5	5	5	<b>29</b>
	Construction	47	47	31	31	31	<b>187</b>
	Contingency	13	13	10	10	10	<b>56</b>
<b>Expenses Total</b>		<b>\$79</b>	<b>\$79</b>	<b>\$56</b>	<b>\$56</b>	<b>\$56</b>	<b>\$326</b>

# UTILITIES - SURFACE WATER

**Project Name:** **Small Works Drainage Improvements**

**Project Description:** Minor storm drainage improvements including catch basins, manholes and short reaches of storm drain pipe through the City. Projects are typically less than \$30,000 each and are usually constructed with larger projects, such as street overlays, and sanitary improvements.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** Annual

**Justification:** Asset Protection and Property Protection



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating	187	155	80	70	70	562
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$187</b>	<b>\$155</b>	<b>\$80</b>	<b>\$70</b>	<b>\$70</b>	<b>\$562</b>
Expenses	Design	29	23	12	10	10	84
	Proj. Admin	10	8	4	3	3	28
	Construction	148	124	64	57	57	450
	Contingency						-
<b>Expenses Total</b>		<b>\$187</b>	<b>\$155</b>	<b>\$80</b>	<b>\$70</b>	<b>\$70</b>	<b>\$562</b>

# UTILITIES - SURFACE WATER

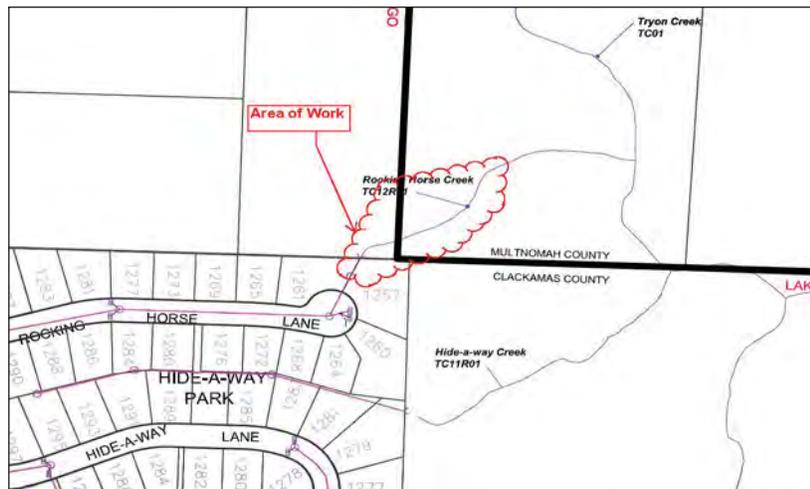
**Project Name:** **Rockinghorse Lane Drainage Improvements**

**Project Description:** This project will stabilize an existing stormwater outfall and rehabilitate the downstream drainage channel which conveys street and residential runoff and natural groundwater seepage. This project will involve extending the stormwater conveyance pipe, outfall energy dissipation and rehabilitation of the existing open channel. Multi jurisdictional regulatory review and approval will be a complicated and critical step in the successful design and construction of this project.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2015

**Justification:** Facility Protection, Improvement



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating	222	629				851
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$222</b>	<b>\$629</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$851</b>
Expenses	Design	120	-				120
	Proj. Admin	30	30				60
	Construction	-	599				599
	Contingency	60					60
	Purchase	12					12
<b>Expenses Total</b>		<b>\$222</b>	<b>\$629</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$851</b>

# UTILITIES - SURFACE WATER

**Project Name:** Ash Street Deep Culvert Replacement

**Project Description:** The existing 15-inch corrugated metal pipe (CMP) was built to convey stream flows when the ravine was filled to construct Ash St. Over the years, the CMP has experienced severe corrosion (rusting away) and is in jeopardy of collapsing. Pipe replacement work will involve channel stabilization within the natural resource, street closure during construction and easements to operate on private property.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** 2014

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating	180					180
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$180</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$180</b>
Expenses	Design	28					28
	Proj. Admin	13					13
	Construction	139					139
	Contingency						
<b>Expenses Total</b>		<b>\$180</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$180</b>

# UTILITIES - SURFACE WATER

**Project Name:** Kerr Parkway Drainage Improvement

**Project Description:** Kerr Parkway is scheduled to be repaved in the summer of 2014. In several areas along its length, there are deteriorated and/or lacking storm drainage systems. These drainage improvements are intended to be constructed in conjunction with the 2014 overlay project.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** 2015

**Justification:** Deficient System



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating	75	313				388
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$75</b>	<b>\$313</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$388</b>
Expenses	Design	60					60
	Proj. Admin	15	15				30
	Construction		298				298
	Contingency						
<b>Expenses Total</b>		<b>\$75</b>	<b>\$313</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$388</b>

# UTILITIES - SURFACE WATER

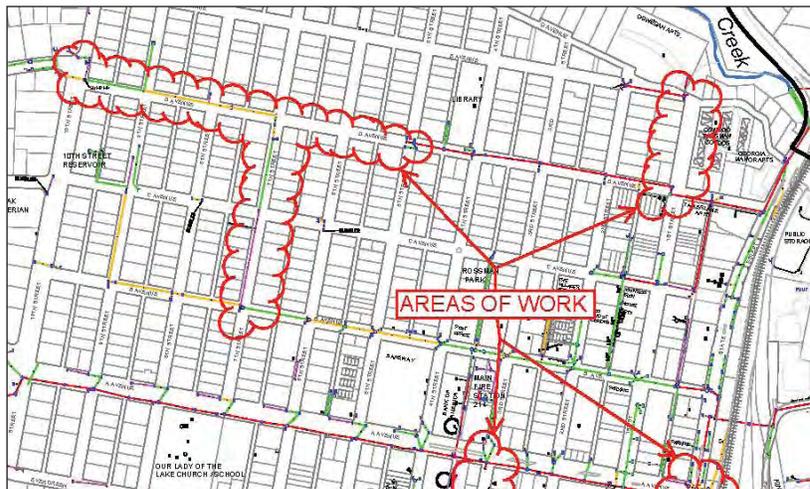
**Project Name:** **D Avenue Storm Drainage Improvements**

**Project Description:** An evaluation of the existing drainage system in First Addition Neighborhood (FAN) prompted by recurrent localized flooding events makes recommendations for replacement of several segment of pipe. The D Ave system is considered a “backbone” of the FAN drainage system. It conveys runoff from the top of the drainage basin to Tryon Creek, just upstream of Hwy 43. Improvements to the system will also redirect runoff from a severely eroded outfall to Tryon Creek and reduce the amount of flow which, over the years, has been directed to the B Ave system.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2016

**Justification:** System Upgrades, Water Quality



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating		117	638			755
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$117</b>	<b>\$638</b>	<b>\$-</b>	<b>\$-</b>	<b>\$755</b>
Expenses	Design		108	5			113
	Proj. Admin		9	29			38
	Construction			604			
	Contingency						
<b>Expenses Total</b>		<b>\$-</b>	<b>\$117</b>	<b>\$638</b>	<b>\$-</b>	<b>\$-</b>	<b>\$755</b>

# UTILITIES - SURFACE WATER

**Project Name:** **B Avenue Storm System and Street Upgrade**

**Project Description:** A recent evaluation of the existing drainage system in First Addition Neighborhood (FAN), prompted by recurrent localized flooding events, makes recommendations for replacement of several segments of pipe. The B Ave system conveys runoff from the top of the 100 acre drainage basin and conveys it under Hwy 43, the railroad tracks and through the Foothills Rd area to Tryon Creek. This system has been pieced together over the past 100 years and experiences periodic flooding, which is exacerbated by increased impervious areas resulting from ongoing infill and redevelopment.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2018

**Justification:** Deficient System



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating				170	1,078	1,248
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$170</b>	<b>\$1,078</b>	<b>\$1,248</b>
Expenses	Design				34	162	196
	Proj. Admin				17	54	71
	Construction				119	862	981
	Contingency						
<b>Expenses Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$170</b>	<b>\$1,078</b>	<b>\$1,248</b>

# UTILITIES - SURFACE WATER

**Project Name:** **Blue Heron Road Rehabilitation and Drainage Improvements**

**Project Description:** In association with the reconstruction of the roadway, this project will construct storm drainage improvements along the entire length of the roadway where none exist. The total cost of the project is estimated to be \$500,000.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2018

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating					90	<b>90</b>
	SDC's						
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$90</b>	<b>\$90</b>
Expenses	Design					77	<b>77</b>
	Proj. Admin					13	<b>13</b>
	Construction						
	Contingency						-
<b>Expenses Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$90</b>	<b>\$90</b>

# UTILITIES - SURFACE WATER

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# UTILITIES - SURFACE WATER

**Project Name:** **Outfall Inventory and Restoration**

**Project Description:** The City is responsible for the maintenance of many storm drainage pipes which outfall to area streams, open spaces and natural resource areas. Oftentimes these outfalls are situated in areas that are difficult to access and overgrown with brush. Most of the outfalls were built with development and many are decades old. This project will inventory and assess the condition of storm drainage outfall pipes. Completing the inventory and condition assessment will allow us to develop and prioritize a list of outfall repair/restoration projects.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:** Annual

**Justification:** Water Quality, Facility Repairs, Habitat Restoration



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						258
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$258
Expenses	Design						52
	Proj. Admin						25
	Construction						181
	Contingency						-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$258

# UTILITIES - SURFACE WATER

**Project Name:** Lakeview Boulevard Roadway & Drainage Improvements

**Project Description:** In association with the reconstruction of the roadway, this project will construct storm drainage improvements along the length of the roadway, where none exist now, between Summit Dr and Bryant Rd.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management, Water Quality Treatment



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						516
	SDC's						
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$516
Expenses	Design						77
	Proj. Admin						26
	Construction						413
	Contingency						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$516

# UTILITIES - SURFACE WATER

**Project Name:** **Underground Injection Control (UIC) Evaluation, Permitting and Retrofits**

**Project Description:** Federal regulations, administered through the Oregon DEQ, mandates that all stormwater injected into subsurface disposal systems (UIC's) be required to meet federal drinking water standards. The City has inventoried 35 municipal UIC's, registered them with the DEQ and applied for a permit to operate them. The City must now evaluate each UIC for compliance with federal requirements and, either construct water quality treatment facilities upstream of the UIC or, build conventional conveyance systems to replace and eventually abandon the UIC(s).

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Regulatory Mandate



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						1,249
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,249
Expenses	Design						188
	Proj. Admin						62
	Construction						999
	Contingency						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,249

# UTILITIES - SURFACE WATER

**Project Name:** Southwood Park Detention

**Project Description:** This project will retrofit existing open space along Ball Creek to increase flood storage, storm water retention and water quality treatment.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Water Quality Treatment and Quantity Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						127
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$127
Expenses	Design						25
	Proj. Admin						13
	Construction						89
	Contingency						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$127

# UTILITIES - SURFACE WATER

**Project Name:** Tanglewood Drive Water Quality/Detention

**Project Description:** This project will build a water quality/quantity detention facility to attenuate flows and help reduce downstream erosion.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Water Quality and Quantity Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						132
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$132
Expenses	Design						26
	Proj. Admin						13
	Construction						93
	Contingency						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$132

# UTILITIES - SURFACE WATER

**Project Name:** Elizabeth Gress Park - Sediment Control/Restoration

**Project Description:** This project includes the repair of the damaged culvert, retrofit channel for bioretention, stabilize and rehabilitate reach of stream, remove debris, install inline storage and treatment facility and build access for facility maintenance.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Water Quality, Facility Repair



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						213
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$213
Expenses	Design						43
	Proj. Admin						21
	Construction						149
	Contingency						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$213

# UTILITIES - SURFACE WATER

**Project Name:** **Preakness Court Water Quality/Detention**

**Project Description:** This project is intended to build a water quality/quantity detention facility to attenuate flows and help reduce downstream erosion.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Water Quality and Quantity Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						132
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$132
Expenses	Design						26
	Proj. Admin						13
	Construction						93
	Contingency						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$132

# UTILITIES - SURFACE WATER

**Project Name:** Sediment Basin Retrofits

**Project Description:** There are several constructed sediment basins located throughout the City’s surface water drainage system. These facilities often act as a last chance to trap sediments prior to discharging to a receiving water body. Many of these basins can be retrofitted to increase water quality efficiencies and to improve access and maintenance functions. This project will provide a mechanism to evaluate individual basins, recommend improvements and design and construct retrofits to the basins.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Water Quality, Maintenance Efficiency



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						381
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$381
Expenses	Design						76
	Proj. Admin						38
	Construction						267
	Contingency						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$381

# UTILITIES - SURFACE WATER

**Project Name:** **Cherry Crest Detention Water Quality Treatment Facility**

**Project Description:** Presently, runoff from the upper reaches of the Lost Dog Creek drainage basin is neither treated for water quality or managed for quantity. This project would construct a detention/water quality facility to address both deficiencies.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Water Quality Treatment, Volume Detainment



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						580
	SDC's						
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$580</b>
Expenses	Design						87
	Proj. Admin						29
	Construction						464
	Contingency						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$580</b>

# UTILITIES - SURFACE WATER

**Project Name:** Churchill Downs Drainage Improvements

**Project Description:** On this steep-sloped section of roadway, runoff often reaches such a velocity that it “overshoots” the existing inlets. Rebuild the curb inlets to capture runoff and trap sediment/debris.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Water Quality, Localized Flooding



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						49
	SDC's						
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$49
Expenses	Design						12
	Proj. Admin						7
	Construction						30
	Contingency						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$49

# UTILITIES - SURFACE WATER

**Project Name:** Touchstone Drive Drainage Improvements

**Project Description:** Due to the steep slope of this roadway, the existing inlets do not function properly in capturing runoff. This project will construct new inlets to improve capture efficiency.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Flood Control



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						84
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$84
Expenses	Design						21
	Proj. Admin						13
	Construction						50
	Contingency						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$84

# UTILITIES - SURFACE WATER

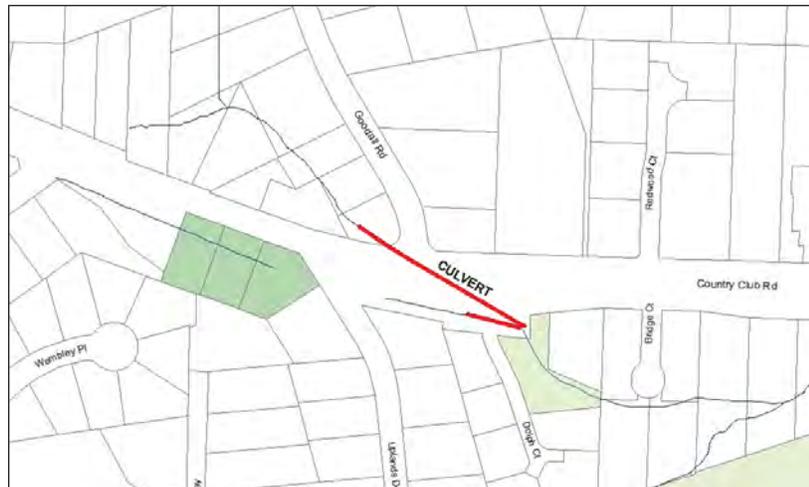
**Project Name:** **Dolph Court/Country Club Culvert Crossings**

**Project Description:** An existing 30-inch culvert under Country Club Rd and a 24-inch culvert under Dolph Ct have been identified in the Surfacewater Management Master Plan as being deficient in conveyance capacity. Additionally, the open channel upstream of the 24-inch culvert is severely eroded, causing large sediment loads to fill the pond off of Dolph Ct and into Tryon Creek. This project will replace the two culverts, rehabilitate the open channel segment and reestablish the detention capacity of the Dolph Ct Pond. These improvements will be essential to prevent flooding and improve water quality as the upstream basin develops.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** System Upgrade, Water Quality, Stormwater Detention



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						410
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$410
Expenses	Design						82
	Proj. Admin						41
	Construction						287
	Contingency						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$410

# UTILITIES - SURFACE WATER

**Project Name:** **Melrose Street Tributary Rehabilitation**

**Project Description:** The existing channel along Melrose St has experienced noticeable erosion and incision. Flows occasionally overtop into the street at the inlet structure. This project would rehabilitate the existing channel to eliminate erosion and include a vegetated retention/ water quality facility.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Water Quality, Stormwater Retention



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						249
	SDC's						
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$249
Expenses	Design						50
	Proj. Admin						25
	Construction						174
	Contingency						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$249

# UTILITIES - SURFACE WATER

**Project Name:** **Regional Stormwater Facility - Bergis/Stafford Road**

**Project Description:** This project is intended to construct a regional stormwater facility to manage volume and treat water quality.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Water Quality Treatment and Volume Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						632
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$632
Expenses	Design						95
	Proj. Admin						32
	Construction						505
	Contingency						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$632

# UTILITIES - SURFACE WATER

**Project Name:** Bayberry/Andrews Road Drainage Improvements

**Project Description:** The roadside ditches along Bayberry are very flat and standing water remains for unacceptable periods of time. Runoff from Andrews Rd and Rye Rd contribute to the drainage problems as well. This project would include Low Impact Alternatives (LIDA) and extending an overflow pipe system to manage runoff that cannot infiltrate.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Water Quality, Surfacewater Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						569
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$569</b>
Expenses	Design						85
	Proj. Admin						29
	Construction						455
	Contingency						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$569</b>

# UTILITIES - SURFACE WATER

**Project Name:** **Eena Road Drainage Improvements**

**Project Description:** Eena Road and surrounding properties experience occasional flooding during large rain events. The land area is naturally depressed, within the 100-year floodplain and indirectly connected to the waters of Oswego Lake. This project will develop alternatives to minimize or eliminate occurrences of flooding.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Flooding Mitigation



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						228
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$228
Expenses	Design						46
	Proj. Admin						23
	Construction						159
	Contingency						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$228

# UTILITIES - SURFACE WATER

**Project Name:** Lower Boones Ferry Road - Lake Grove Urban Growth Boundary (UGB)

**Project Description:** This project as recommended in the Clean Streams Plan would upsize and extend storm facilities into the areas of the UGB that are currently unincorporated, eventually to be annexed. This project should allow for Low Impact Development Approaches (LIDA) to managing and treating stormwater runoff.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Stormwater Management and Water Quality Treatment



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						3,073
	SDC's						
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$3,073
Expenses	Design						461
	Proj. Admin						154
	Construction						2,458
	Contingency						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$3,073

# UTILITIES - SURFACE WATER

**Project Name:** Springbrook Creek Culvert Evaluation

**Project Description:** Springbrook Creek is a FEMA mapped floodplain with a resident population of cutthroat trout. Many improvements have been made over the years including five large culvert replacements. The culverts were designed to convey 100-year flood events and provide passage for fish. Over the years, streambed aggradation has caused material to be deposited within these culverts, reducing flow capacity and possibly blocking low flow passage. This project will evaluate the culverts for capacity and fish passage and make recommendations towards cleaning, long-term maintenance and channel stabilization.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Flood Control, Habitat Improvements, Water Quality



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						351
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$351
Expenses	Design						70
	Proj. Admin						35
	Construction						246
	Contingency						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$351

# UTILITIES - SURFACE WATER

**Project Name:** Redfern Avenue Drainage Improvements

**Project Description:** The area of Redfern Ave is not currently served by a public drainage system. The street is uncurbed and very flat with runoff ponds on the shoulder, into the roadway and on private property. Development over the past few years has worsened the situation. This project will explore Low Impact Development Approaches (LIDA) to manage the surface water at the source. If conditions are unfavorable, a conventional pipe system will be necessary.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Flood Control, Water Quality Treatment



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						151
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$151
Expenses	Design						30
	Proj. Admin						15
	Construction						106
	Contingency						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$151

# UTILITIES - SURFACE WATER

**Project Name:** **Water Reservoir Disconnect**

**Project Description:** Over the years the City has constructed 16 water storage reservoirs to supply potable water to residents and businesses. It is normal practice to construct an overflow bypass to manage flows should the reservoir be inadvertently overfilled. Previous construction practices required that reservoir overflows be directed to the nearest storm drainage system. Presently, federal regulations do not allow chlorinated discharges to surface waters. This project will evaluate all City reservoirs and develop a plan to “replumb” any deficient overflow systems to meet safe drinking water and surface water requirements.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Water Quality Treatment, Surface Water Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						<b>680</b>
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$680</b>
Expenses	Design						<b>102</b>
	Proj. Admin						<b>34</b>
	Construction						<b>544</b>
	Contingency						
<b>Expenses Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$680</b>

# UTILITIES - SURFACE WATER

**Project Name:** **Regional Water Quality Facility Retrofit**

**Project Description:** This facility was constructed under ODOT in 1984, and was built to retain stormwater runoff from the Boones Ferry Rd Widening project. The facility is overgrown, silted in and no longer provides the detention capacity that is required. This project would allow for the rebuilding of the facility to restore capacity, improve water quality, remove non-native invasives and improve wildlife habitat.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Water Quality Treatment, Surface Water Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						350
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$350</b>
Expenses	Design						70
	Proj. Admin						35
	Construction						245
	Contingency						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$350</b>

# UTILITIES - SURFACE WATER

**Project Name:** **Bryant Road Drainage Improvements**

**Project Description:** This project will replace existing deficient drainage systems and add additional inlets, pipe and water quality features. Area of work is between Upper Dr and Boones Ferry Rd.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Surface Water Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						<b>165</b>
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$165</b>
Expenses	Design						<b>33</b>
	Proj. Admin						<b>17</b>
	Construction						<b>115</b>
	Contingency						
<b>Expenses Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$165</b>

# UTILITIES - SURFACE WATER

**Project Name:** Upper Drive - West of Bryant

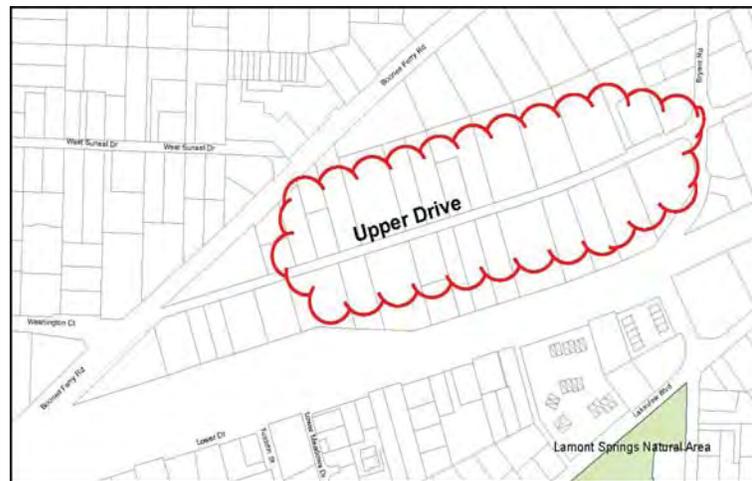
**Project Description:** This area is being piecemeal annexed into the City and is projected to be developed as minor partitions. As a result, no public drainage improvements have been built and the increased density is/will create additional impervious areas (increased runoff). The topography is very flat, there are no curbs/gutters to manage roadway runoff. Currently, localized ponding occurs along the edges of the road and causes hazardous conditions for the walking and motoring public and detriment to the long term structural integrity of the roadway. Drainage improvements must include water quality and quantity management and be built in conjunction with roadway/curb and gutter improvements.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Surface Water Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						250
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$250
Expenses	Design						50
	Proj. Admin						25
	Construction						175
	Contingency						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$250

# UTILITIES - SURFACE WATER

**Project Name:** Relocate Storm and Sanitary Sewer Mains

**Project Description:** A number of regional storm facilities in the Foothills District currently traverse private property, restricting development potential. This project relocates these regional facilities into public right-of-way in the District, and can be divided into two phased components, to be constructed concurrently with other phased street construction and development activity in the area. The total project cost is \$2,140,000 and the listed cost reflects one-half of the combined Wastewater/Stormwater project. Balance is in Wastewater projects

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Economic Development



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surface Water	Operating						1,070
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,070
Expenses	Design						
	Proj. Admin						
	Construction						
	Contingency						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,070

# UTILITIES - WASTEWATER OVERVIEW

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## **Wastewater System:**

The City owns, operates and maintains a wastewater collection system consisting of approximately 200 miles of wastewater pipe ranging in diameter from 6 inches to 36 inches, 4,600 manholes, and 11 pump stations. Wastewater generated in Lake Oswego is treated at either the City of Portland's Tryon Creek Wastewater Treatment Plant (WWTP) or Clean Water Services' Durham Creek WWTP. The City pays Portland a percentage of the plant operation and maintenance costs based on the flow split between Lake Oswego and Portland. Currently, the City is paying 55 percent of the plant operation and maintenance costs. The City also pays 50 percent of the capital recovery costs in return for rights to 50 percent of the plant capacity.

## **Major Projects:**

Three pump stations have reached the end of their useful life and need to be replaced. The Engineering Division will replace these three pump stations in this FY.

Also, the Engineering Division will be replacing the Iron Mountain Sewer Bridge that is nearing the end of its useful life. The bridge is used as pedestrian bridge and to carry a wastewater transmission line through Tyron Creek State Park.

In Addition, the I/I reduction program will begin in FY 2013/14 with program and flow monitoring implementation. The City will contribute \$100,000 towards Portland's Terwilliger Blvd. Sanitary Sewer Line Extensions. Lastly, the City will rehabilitate pipe near Lake Bay Court.

## **Annual Rehabilitation Projects:**

The inflow and infiltration problem is significant in the larger drainage basins outside of LOIS replacement project. The rehabilitation of deteriorated sewer pipe identified by the Maintenance Department is another component of the CIP. This work involves the replacement or re-lining of existing pipe, and replacement or rehabilitation of leaking manholes. The benefits will include the continued service to existing homes and reduction in the inflow and infiltration into the wastewater system.

## **Funding Sources:**

The Wastewater Fund is an enterprise fund used to account for all financial activity associated with the operation and maintenance of the City's wastewater utility system. This fund provides funding for the City's portion of the Tryon Creek Wastewater Treatment facility (owned and operated by the City of Portland) and operation and maintenance of the City's wastewater collection and conveyance system. The City's wastewater activities include construction and maintenance. Additionally, System Development Charges are recovered from new development projects, but this is a minor portion of the overall funding for this program.

# UTILITIES - WASTEWATER

Wastewater	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Iron Mountain Sanitary Sewer & Pedestrian Bridge		Wastewater	75,000	347,000				<b>422,000</b>
Small Pump Station Upgrades - 3 Locations (PS-1)		Wastewater	1,300,000					<b>1,300,000</b>
Marylhurst Pump Station (PS-2)		Wastewater		300,000	1,500,000			<b>1,800,000</b>
I/I Reduction Program & Flow Monitoring & Preliminary Program Implementation (G-3)		Wastewater	500,000					<b>500,000</b>
Terwilliger Blvd Sanitary Sewer Line Extensions		Wastewater	100,000					<b>100,000</b>
Lake Bay Court Pipe Rehabilitation		Wastewater	300,000					<b>300,000</b>
	<b>Total</b>		<b>2,275,000</b>	<b>647,000</b>	<b>1,500,000</b>	<b>0</b>	<b>0</b>	<b>4,422,000</b>
<b>Unfunded</b>								
Tryon Creek Wastewater Plant Upgrade	1	Wastewater						<b>65,000,000</b>
I/I Reduction Program - Priority A Projects (G-3)	2	Wastewater						<b>21,660,000</b>
Blue Heron Trunk (T-BH-1 & T-BH-2)		Wastewater						<b>2,238,000</b>
Canal Trunk (T-CAN-1 & P-CAN-1)		Wastewater						<b>1,679,000</b>
Downtown Trunk 1 (T-DWN-1 & T-DWN-2)		Wastewater						<b>569,000</b>
Downtown Trunk 2 (T-DWN-3 & T-DWN-4)		Wastewater						<b>123,000</b>
East Mountain Park Trunk 1 (T-EMP-1)		Wastewater						<b>255,000</b>
East Mountain Park Trunk 2 (T-EMP-2 & T-EMP-3)		Wastewater						<b>3,200,000</b>
Foothills Road Interceptor (T-L1-1)		Wastewater						<b>404,000</b>
Foothills Road Pump Station (PS-4)		Wastewater						<b>398,000</b>
Forest Highlands Trunk 1 (T-FH-1)		Wastewater						<b>1,985,000</b>
Forest Highlands Trunk 2 (T-FH-2)		Wastewater						<b>17,000</b>
I/I Reduction Program - Priority B Projects (G-3)		Wastewater						<b>15,374,000</b>
L4 Trunk (T-L4-1)		Wastewater						<b>170,000</b>
L5 Basin Trunk (T-L5-1)		Wastewater						<b>38,000</b>
Lakewood Trunk (T-LW-1)		Wastewater						<b>163,000</b>

# UTILITIES - WASTEWATER

Wastewater (cont.)	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Unfunded</b>								
McVey Trunk (T-MCV-1 & T-MCV-2)		Wastewater						1,456,000
New Pump Station (PS-7)		Wastewater						984,000
Other Pipeline Repair Projects for Major Collectors (P-1)		Wastewater						12,466,000
Riverfront Trunk 1 (T-RF-1)		Wastewater						76,000
Riverfront Trunk 2 (T-RF-2)		Wastewater						391,000
South Lake Trunk (T-SL-1)		Wastewater						77,000
South Shore Trunk (T-SS-1)		Wastewater						257,000
Southwood Trunk (P-SW-1)		Wastewater						414,000
Telemetry Feasibility Study and Implementation (PS-5)		Wastewater						396,000
West Mountain Park Trunk (T-WMP-1)		Wastewater						475,000
Willamette Pump Station (PS-3)		Wastewater						663,000
Flow Data Tracking (PS-6)		Wastewater						266,000
Relocate Storm and Sanitary Sewer Mains		Wastewater						1,070,000
Rebuild Lift Station and Pressure Mains		Wastewater						705,000
	<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>132,969,000</b>

# UTILITIES - WASTEWATER

**Project Name:** **Iron Mountain Sanitary Sewer and Pedestrian Bridge**

**Project Description:** The Iron Mountain Sanitary Sewer Bridge carries a wastewater transmission line through Tryon Creek State Park. The bridge is nearing the end of its useful life and needs rehabilitation or replacement. The Oregon State Parks Department may be willing to contribute up to \$50,000 towards the project as the bridge also carries pedestrian traffic for park visitors. Bridge needs repair to remain open to pedestrian traffic.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2015

**Justification:** Safety and Operability



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating	75	347				422
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$75</b>	<b>\$347</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$422</b>
Expenses	Design	68					68
	Proj. Admin	7	32				39
	Construction		315				315
							-
<b>Expenses Total</b>		<b>\$75</b>	<b>\$347</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$422</b>

# UTILITIES - WASTEWATER

**Project Name:** **Small Pump Station Upgrades - (PS-1)**

**Project Description:** This project will replace pumps, motors, and vacuum-prime systems at Bay View, Lilly Bay, Maple St Pump Stations. The City is also moving toward using submersible pumps at all pump stations.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2014

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating	1,300					1,300
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$1,300</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$1,300</b>
Expenses	Design	50					50
	Proj. Admin	50					50
	Construction	1,200					1,200
<b>Expenses Total</b>		<b>\$1,300</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$1,300</b>

# UTILITIES - WASTEWATER

**Project Name:** **Marylhurst Pump Station - (PS-2)**

**Project Description:** This project will replace the Marylhurst Pump Station. New pumps and upgrades are required to bring into conformance with current standards. Also recommend temporary flow monitoring to confirm peak flows and required capacity.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2016

**Justification:** Safety and Operability



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating		300	1,500			<b>1,800</b>
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$300</b>	<b>\$1,500</b>	<b>\$-</b>	<b>\$-</b>	<b>\$1,800</b>
Expenses	Design		250	50			<b>300</b>
	Proj. Admin		50	50			<b>100</b>
	Construction			1,400			<b>1,400</b>
							-
<b>Expenses Total</b>		<b>\$-</b>	<b>\$300</b>	<b>\$1,500</b>	<b>\$-</b>	<b>\$-</b>	<b>\$1,800</b>

# UTILITIES - WASTEWATER

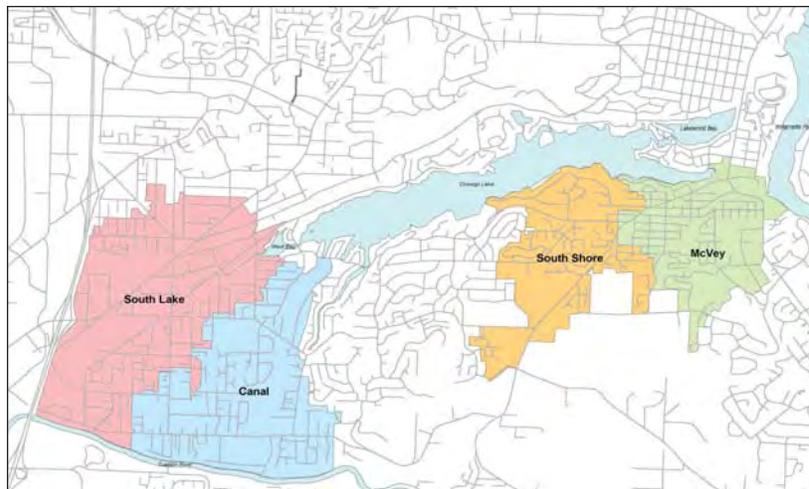
**Project Name:** I/I Reduction Program & Flow Monitoring & Preliminary Program Implementation (G-3)

**Project Description:** The initial implementation of this program is to create policies, implement flow monitoring and coordinate asset management.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2014

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating	500					500
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$500</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$500</b>
Expenses	Design	150					150
	Proj. Admin	350					350
	Construction						-
<b>Expenses Total</b>		<b>\$500</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$500</b>

# UTILITIES - WASTEWATER

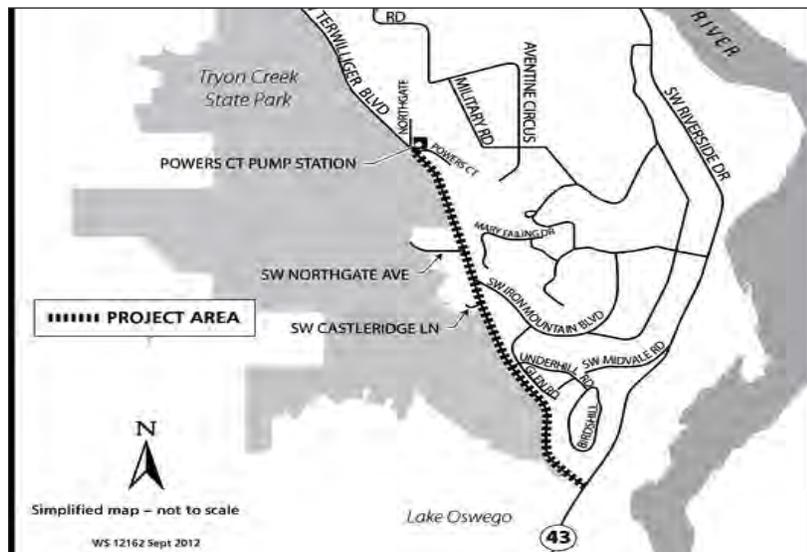
**Project Name:** **Terwilliger Boulevard Sanitary Sewer Line Extensions**

**Project Description:** City of Portland is to extend a wastewater line down Terwilliger Blvd. The City of Lake Oswego will take advantage of the construction schedule and will partner with Portland to have two extensions added to their mainline project so that future work can extend into our USB in the Birdshill Neighborhood.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2014

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating	100					<b>100</b>
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$100</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$100</b>
Expenses	Design						
	Proj. Admin						
	Construction	100					
<b>Expenses Total</b>		<b>\$100</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$100</b>

# UTILITIES - WASTEWATER

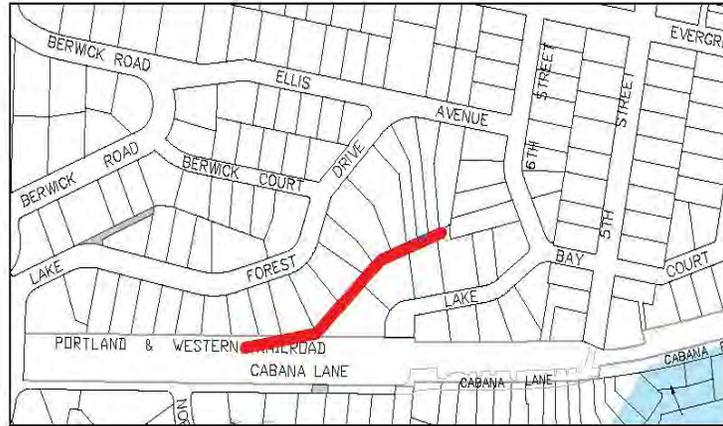
**Project Name:** Lake Bay Court Pipe Rehabilitation

**Project Description:** This project is Phase 2 of a previously completed pipe rehabilitation project. The downstream section of this pipe has been relined while the remaining upstream section needs to be relocated and replaced.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2014

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating	300					300
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$300</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$300</b>
Expenses	Design	25					25
	Proj. Admin	25					25
	Construction	250					250
<b>Expenses Total</b>		<b>\$300</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$300</b>

# UTILITIES - WASTEWATER

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# UTILITIES - WASTEWATER

**Project Name:** Tryon Creek Wastewater Plant Upgrade

**Project Description:** The City of Portland is currently creating a master plan for replacing the Tryon Creek Wastewater Treatment Plant. The very preliminary ballpark cost of the project is estimated to be \$130 million. Our share has a ballpark estimate of \$65 million.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						65,000
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$65,000
Expenses	Design						
	Proj. Admin						
	Construction						
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$65,000

# UTILITIES - WASTEWATER

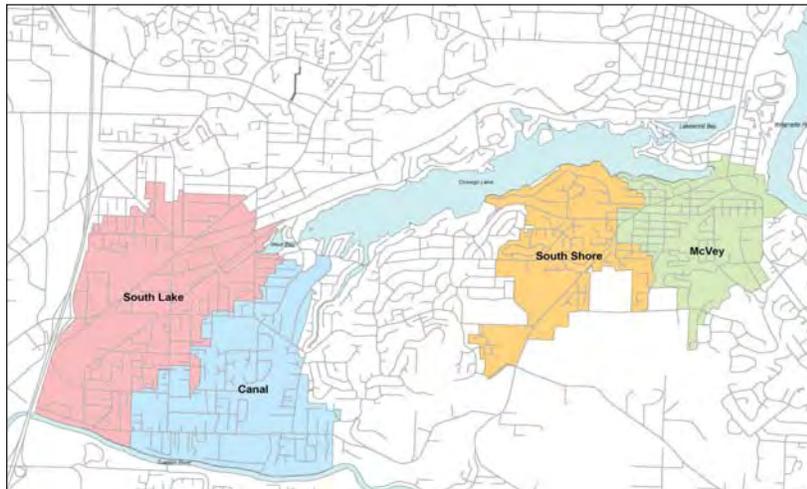
**Project Name:** I/I Reduction Program - Priority A Projects (G-3)

**Project Description:** This project will replace or rehabilitate aging pipe throughout the collection system as identified by the Master Plan or as required through maintenance and operations activities.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						21,660
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$21,660
Expenses	Design						5,560
	Proj. Admin						1,100
	Construction						15,000
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$21,660

# UTILITIES - WASTEWATER

**Project Name:** Blue Heron Trunk (T-BH-1 & T-BH-2)

**Project Description:** This project will replace the pipeline on Southshore Blvd from Lakeridge Rd to Blue Heron Rd, Blue Heron Bay and Cardinal Dr. The pipeline has less than 10 years of remaining useful life (RUL) and problems were indicated in Hansen inspection reports.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						2,238
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$2,238
Expenses	Design						280
	Proj. Admin						93
	Construction						1,865
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$2,238



# UTILITIES - WASTEWATER

**Project Name:** **Downtown Trunk 1 (T-DWN-1 & T-DWN-2)**

**Project Description:** This project will replace the pipeline on North Shore Rd and Cabana Ln. The pipeline has less than 10 years of remaining useful life (RUL) and problems were indicated in the Hansen inspection reports.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						569
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$569</b>
Expenses	Design						71
	Proj. Admin						24
	Construction						474
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$569</b>

# UTILITIES - WASTEWATER

**Project Name:** **Downtown Trunk 2 (T-DWN-3 & T-DWN-4)**

**Project Description:** This project will replace existing 12-inch pipes with 15 and 18-inch pipes on 3rd St from Evergreen Rd to Waterfront to reduce potential surcharging with a 25-year storm.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						123
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$123
Expenses	Design						16
	Proj. Admin						5
	Construction						102
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$123

# UTILITIES - WASTEWATER

**Project Name:** East Mountain Park Trunk 1 (T-EMP-1)  
**Project Description:** This project will replace existing 18-inch pipes with 24-inch pipes to reduce potential surcharging with a 25-year storm parallel to Lakeview Blvd.  
**Funded/Unfunded:** Unfunded  
**Estimated Completion Date:**  
**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						255
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$255
Expenses	Design						32
	Proj. Admin						11
	Construction						212
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$255

# UTILITIES - WASTEWATER

**Project Name:** East Mountain Park Trunk 2 (T-EMP-2 & T-EMP-3)

**Project Description:** This project will replace the pipe from the end of T-EMP-1 to Boones Ferry Rd. The pipeline has less than 10 years of remaining useful life and problems were indicated in Hansen inspection reports. Two small segments in T-EMP-2 require replacement from 18-inch to 24-inch pipes.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						3,200
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$3,200
Expenses	Design						400
	Proj. Admin						134
	Construction						2,666
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$3,200

# UTILITIES - WASTEWATER

**Project Name:** **Foothills Road Interceptor (T-L1-1)**

**Project Description:** Foothills Rd to Tryon Creek WWTP. This project is required for eliminating the potential for surcharging upstream of the LOIS interceptor. The project is expected to be completed concurrent with the redevelopment of Foothills neighborhood. Re-routing of the pipe is anticipated to match new right-of-way alignments. The cost estimate should be revised when the new pipe alignment is known.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						404
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$404
Expenses	Design						50
	Proj. Admin						17
	Construction						337
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$404

# UTILITIES - WASTEWATER

**Project Name:** **Foothills Road Pump Station (PS-4)**

**Project Description:** This project will replace pumps and increase capacity to convey peak flows under 25-year storm event. This project should be delayed until redevelopment of the Foothills area to confirm required capacity.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						398
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$398
Expenses	Design						70
	Proj. Admin						22
	Construction						306
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$398

# UTILITIES - WASTEWATER

**Project Name:** Forest Highlands Trunk 1 (T-FH-1)  
**Project Description:** This project will replace pipeline at Iron Mountain and Country Club Rd that has less than 10 years of remaining useful life (RUL) and problems were indicated in Hansen inspection reports.  
**Funded/Unfunded:** Unfunded  
**Estimated Completion Date:**  
**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						1,985
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,985
Expenses	Design						248
	Proj. Admin						83
	Construction						1,654
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,985

# UTILITIES - WASTEWATER

**Project Name:** Forest Highlands Trunk 2 (T-FH-2)  
**Project Description:** This project will replace existing 12-inch pipe with 15-inch pipe to reduce potential surcharging with a 25-year storm at Chandler Rd.  
**Funded/Unfunded:** Unfunded  
**Estimated Completion Date:**  
**Justification:** Asset Management

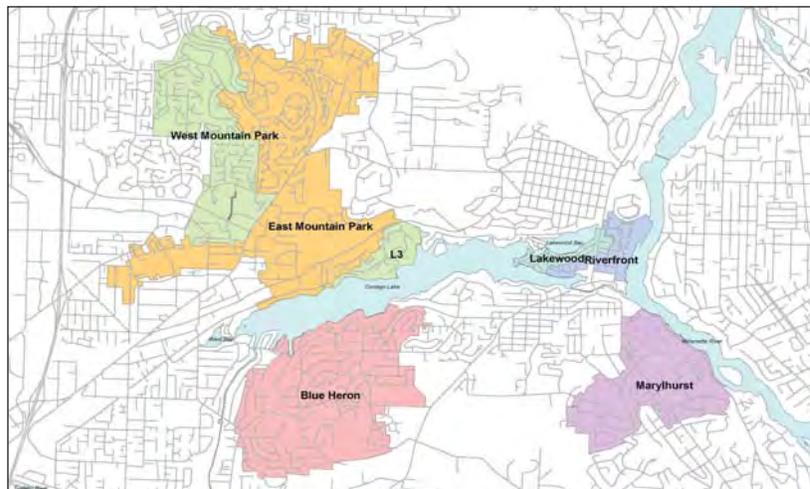


Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						17
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$17
Expenses	Design						2
	Proj. Admin						1
	Construction						14
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$17

# UTILITIES - WASTEWATER

**Project Name:** I/I Reduction Program - Priority B Projects (G-3)  
**Project Description:** This project will replace or rehabilitate aging pipe throughout the collection system as identified by the Master Plan or as required through maintenance and operations activities.  
**Funded/Unfunded:** Unfunded  
**Estimated Completion Date:**  
**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						15,374
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$15,374
Expenses	Design						4,000
	Proj. Admin						780
	Construction						10,594
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$15,374

# UTILITIES - WASTEWATER

**Project Name:** L4 Trunk (T-L4-1)

**Project Description:** This project will replace pipeline from Lake Grove Swim Park to Railroad. Pipeline has less than 10 years of remaining useful life (RUL) and problems were indicated in Hansen inspection reports.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						170
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$170
Expenses	Design						20
	Proj. Admin						8
	Construction						142
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$170

# UTILITIES - WASTEWATER

**Project Name:** L5 Basin Trunk (T-L5-1)  
**Project Description:** This project will replace the L5 Basin Trunk pipeline. The pipeline has less than 10 years of remaining useful life (RUL) and problems were indicated in Hansen inspection reports.  
**Funded/Unfunded:** Unfunded  
**Estimated Completion Date:**  
**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						38
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$38
Expenses	Design						10
	Proj. Admin						6
	Construction						22
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$38

# UTILITIES - WASTEWATER

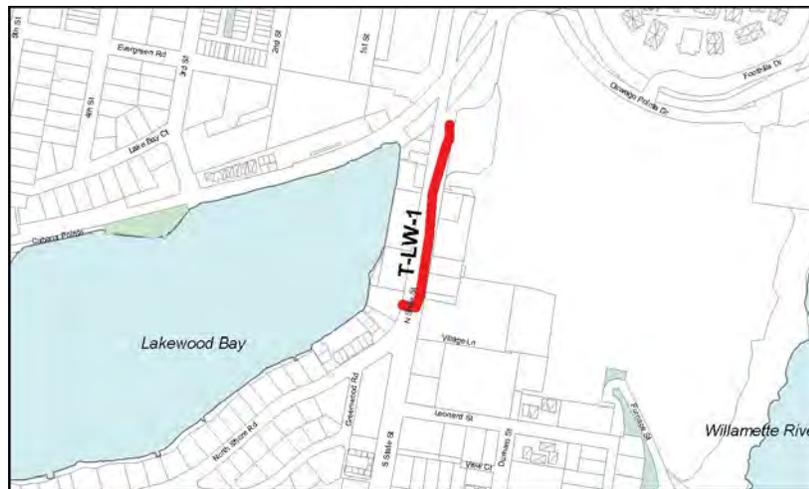
**Project Name:** **Lakewood Trunk (T-LW-1)**

**Project Description:** This project will replace the pipeline at the East edge of Lakewood Bay. The pipeline has less than 10 years of remaining useful life (RUL) and problems were indicated in Hansen inspection reports.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						163
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$163
Expenses	Design						20
	Proj. Admin						7
	Construction						136
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$163

# UTILITIES - WASTEWATER

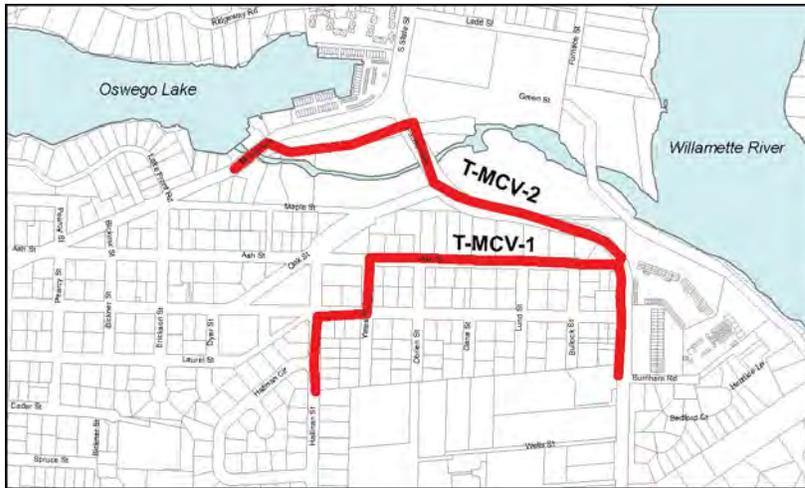
**Project Name:** **McVey Trunk (T-MCV-1 & T-MCV-2)**

**Project Description:** The project will replace pipeline at Hallinan St, Laurel St, Yates St, Ash St to Pacific Hwy. Pacific Hwy to Burnham Rd to McVey; parallel to McVey Ave to Maple St. the pipeline has less than 10 years of remaining useful life (RUL) and problems were indicated in Hansen inspection reports.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						1,456
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,456
Expenses	Design						182
	Proj. Admin						61
	Construction						1,213
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,456



# UTILITIES - WASTEWATER

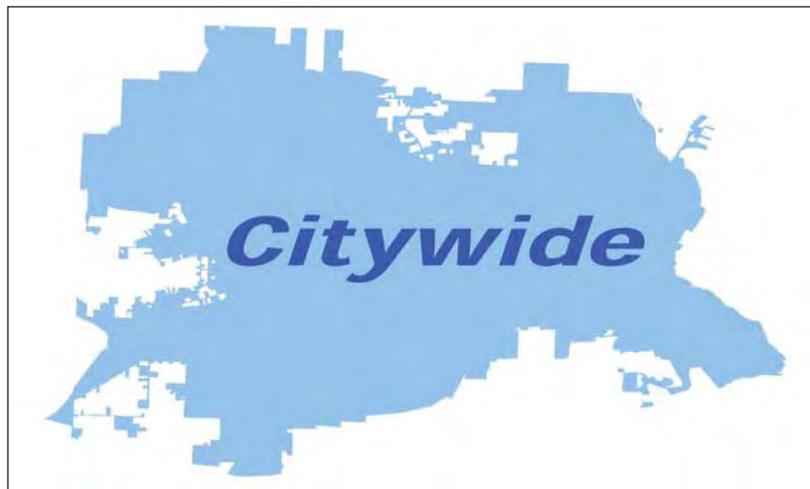
**Project Name:** **Other Pipeline Repair Projects for Major Collectors (P-1)**

**Project Description:** This project replaces major collectors throughout the City. An annual cost for collectors that will reach the end of their useful life in the next 80 years is estimated to cost \$703,000 per year.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						12,466
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$12,466
Expenses	Design						-
	Proj. Admin						-
	Construction						12,466
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$12,466

# UTILITIES - WASTEWATER

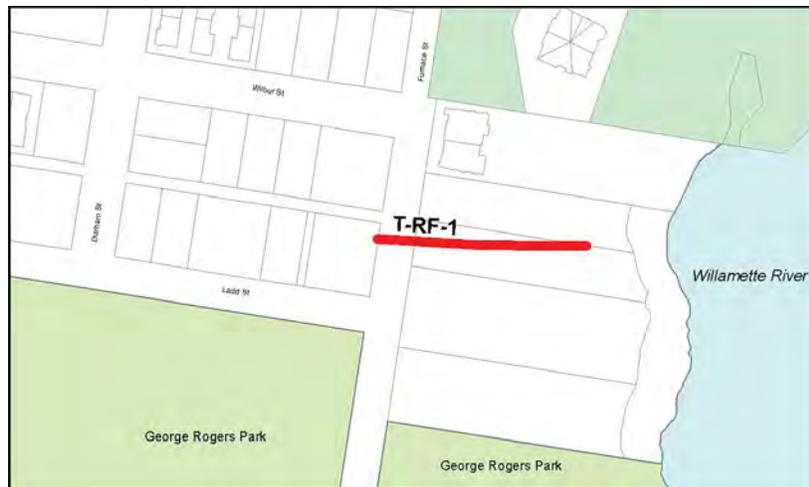
**Project Name:** Riverfront Trunk 1 (T-RF-1)

**Project Description:** This project will replace pipeline at Furnace St to Riverfront Trunk. The pipeline has less than ten years of remaining useful life (RUL) and problems were indicated in Hansen inspection reports.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						76
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$76
Expenses	Design						10
	Proj. Admin						3
	Construction						63
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$76

# UTILITIES - WASTEWATER

**Project Name:** Riverfront Trunk 2 (T-RF-2)  
**Project Description:** This project replaces existing 12-inch pipes with 24-inch pipes to reduce potential surcharging with a 25-year storm at George Rogers Park from Furnace St to Riverbend Condo.  
**Funded/Unfunded:** Unfunded  
**Estimated Completion Date:**  
**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						391
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$391
Expenses	Design						49
	Proj. Admin						16
	Construction						326
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$391

# UTILITIES - WASTEWATER

**Project Name:** South Lake Trunk (T-SL-1)

**Project Description:** This project will replace pipeline at Bryant Rd from Lamont Way to Lakewood Blvd. The pipeline has less than 10 years of remaining useful life (RUL) and problems were indicated in Hansen inspection reports.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						77
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$77</b>
Expenses	Design						10
	Proj. Admin						3
	Construction						64
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$77</b>

# UTILITIES - WASTEWATER

**Project Name:** South Shore Trunk (T-SS-1)  
**Project Description:** This project will replace existing 8-inch pipe with 12 and 18-inch pipes to reduce potential surcharging with a 25-year storm near the end of Lake Front Rd.  
**Funded/Unfunded:** Unfunded  
**Estimated Completion Date:**  
**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						257
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$257
Expenses	Design						32
	Proj. Admin						11
	Construction						214
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$257

# UTILITIES - WASTEWATER

**Project Name:** Southwood Trunk (P-SW-1)  
**Project Description:** This project will expand the Southwood Collector for a new service are in the Southwood Basin at Bangy Rd.  
**Funded/Unfunded:** Unfunded  
**Estimated Completion Date:**  
**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						414
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$414
Expenses	Design						52
	Proj. Admin						17
	Construction						345
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$414

# UTILITIES - WASTEWATER

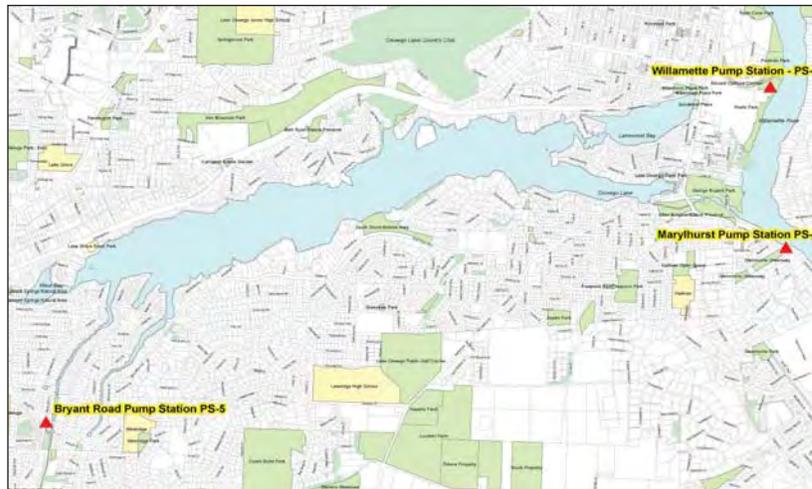
**Project Name:** **Telemetry Feasibility Study and Implementation (PS-5)**

**Project Description:** This project will evaluate telemetry options at Bryant Rd, Marylhurst, and Willamette Pump Stations. Implement recommended approach. Redundant telemetry system needed to back up auto-dialers at each pump station.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						396
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$396
Expenses	Design						70
	Proj. Admin						22
	Construction						304
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$396

# UTILITIES - WASTEWATER

**Project Name:** West Mountain Park Trunk (T-WMP-1)  
**Project Description:** This project will replace existing 8-inch pipes with 12-inch pipes to reduce the potential for sanitary sewer overflows parallel to Del Prado.  
**Funded/Unfunded:** Unfunded  
**Estimated Completion Date:**  
**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						475
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$475
Expenses	Design						61
	Proj. Admin						18
	Construction						396
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$475

# UTILITIES - WASTEWATER

**Project Name:** Willamette Pump Station (PS-3)

**Project Description:** This project will replace the pumps and VFDs (requires 100-HP Pumps), and will increase capacity to convey peak flows under 25-year storm event. This project should be delayed until redevelopment of the Foothills area to confirm required capacity.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Asset Management

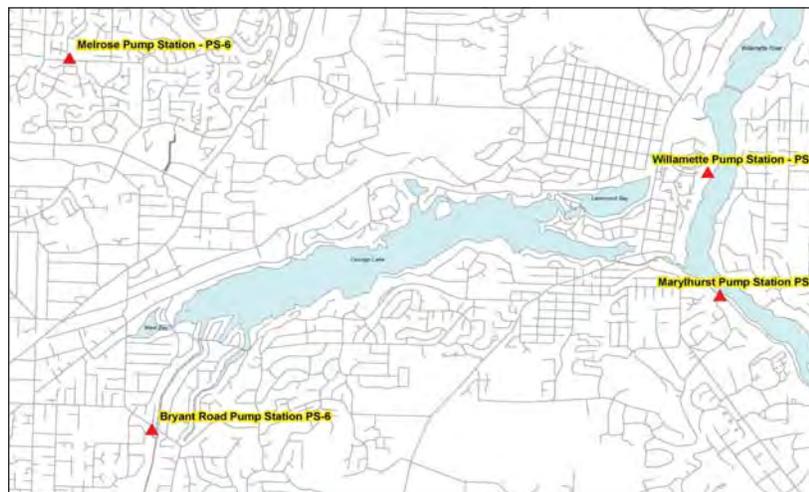


Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						663
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$663
Expenses	Design						115
	Proj. Admin						38
	Construction						510
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$663

# UTILITIES - WASTEWATER

**Project Name:** **Flow Data Tracking (PS-6)**  
**Project Description:** This project will implement data logging and improve flow monitoring at the Bryant Rd, Marylhurst, Melrose and Willamette Pump Stations.  
**Funded/Unfunded:** Unfunded  
**Estimated Completion Date:**  
**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						266
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$266
Expenses	Design						53
	Proj. Admin						27
	Construction						186
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$266

# UTILITIES - WASTEWATER

**Project Name:** Relocate Storm and Sanitary Sewer Mains

**Project Description:** A number of regional storm and sanitary facilities in the Foothills District currently traverse private property, restricting development potential. This project relocates these regional facilities into public right-of-way in the District, and can be divided into two phased components, to be constructed concurrently with other phased street construction and development activity in the area. The total project cost is \$2,140,000 and the listed cost reflects one-half of the combined Wastewater/Stormwater project. Balance is in Surface Water projects.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Economic Development



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						1,070
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,070
Expenses	Design						
	Proj. Admin						
	Construction						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,070

# UTILITIES - WASTEWATER

**Project Name:** **Rebuild Lift Station and Pressure Mains**

**Project Description:** An existing at-capacity lift station will be rebuilt and relocated to serve new development in the northern portion of the Foothills District. When complete, this lift station will have adequate capacity to serve both existing and new development, and will be located away from the primary pedestrian areas of the Foothills District.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Economic Development



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating						<b>705</b>
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$705</b>
Expenses	Design						
	Proj. Admin						
	Construction						
							-
<b>Expenses Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$705</b>

# FACILITIES - OVERVIEW

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## Facilities

The Facilities section has \$88.7 million in listed unfunded needs. These needs include replacing, building or improving the following facilities:

- Police Station, LOCOM, & Municipal Building
- Operations Facility
- South Shore Fire Station
- Indoor Tennis Center
- Library
- City Hall
- Golf Course Driving Range

The Capital Improvement Plan only lists major capital projects. Many of the buildings are in need of repair, but these types of projects do not fall within the definition of a CIP project and are not listed in the CIP. The CIP does not address the scope of the maintenance issues that are present in some City facilities. A 2008 assessment of 10 key City facilities indicated that numerous deficiencies exist within City buildings. Needs common to all or several of the buildings include minimizing water intrusion into buildings, upgrading structural components for seismic purposes, meeting American Disabilities Act (ADA) requirements, replacing building systems (electrical, mechanical, HVAC) that are reaching the end of their useful life, and addressing space deficiencies for buildings that are at or over capacity.

# FACILITIES

Facilities	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Iron Worker's Cottage - Phases 3 and 4		Tourism	74,000					<b>74,000</b>
Operations Center - Security System Replacement		Operations	25,000					<b>25,000</b>
<b>Total</b>			<b>99,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>99,000</b>
<b>Unfunded</b>								
New Police Station, LOCOM, & Municipal Court	1	Bond						<b>12,300,000</b>
Operations Facilities Replacement	2	Bond						<b>17,000,000</b>
South Shore Fire Station - Construction	3	Bond						<b>3,000,000</b>
Indoor Tennis Center	4	Bond/SDCs/ Sale of Property						<b>5,100,000</b>
Operations Center - Stormwater Decant Facility	5	Stormwater						<b>195,000</b>
Operations Center - Covered Storage	6	Operations						<b>200,000</b>
Operations Center - Replace Existing Parking Lot	7	Operations						<b>719,000</b>
New Library	8	Bond						<b>35,000,000</b>
City Hall	9	Bond						<b>14,000,000</b>
Golf Course Driving Range	10	Bond						<b>1,200,000</b>
<b>Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>88,714,000</b>

**Project Name:** **Iron Worker's Cottage Rehabilitation - Phases 3 and 4**

**Project Description** The Iron Worker's Cottage was purchased by the City in 2002 to preserve one of the few remaining examples of factory worker company housing from the 1880s. In 2009 the Cottage became officially listed on the National Register of Historic Places. The preservation plan includes an assessment of the Cottage's current condition and recommendations for a phased-approach to stabilize, preserve, and rehabilitate the building. The Worker's Cottage Future Uses Study work group recommended and the Council agreed that the City retain ownership of the Cottage and consider utilizing this facility as an exhibit and meeting space through partnering with a non-profit organization to manage and operate the space. The final phases of the plan include interior and tenant improvements.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** 2014

**Justification:** City Council Approved Phase 1, Continuation of Preservation Plan, Historic Resources Advisory Board Goals



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Tourism	Operating	74					74
	Property Sale						-
	Bonds						
	Grants						-
<b>Resources Total</b>		<b>\$74</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$74</b>
Expenses	Design	10					10
	Proj. Admin						
	Construction	64					64
							-
<b>Expenses Total</b>		<b>\$74</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$74</b>

# FACILITIES

**Project Name:** **Operations Center - Security System Replacement**

**Project Description** This project will replace the current inadequate system that protects the City’s important Public Works and Parks assets. The requested replacement will identify users and perform reliably. The new system would issue individual security cards to all appropriate employees and School District bus employees.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2014

**Justification:** Protect City Equipment



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Operations	Operating	25					25
	Property Sale						
	Bonds						
	Grants						-
<b>Resources Total</b>		<b>\$25</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$25</b>
Expenses	Design						-
	Proj. Admin						
	Construction						-
	Purchase	25					25
<b>Expenses Total</b>		<b>\$25</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$25</b>

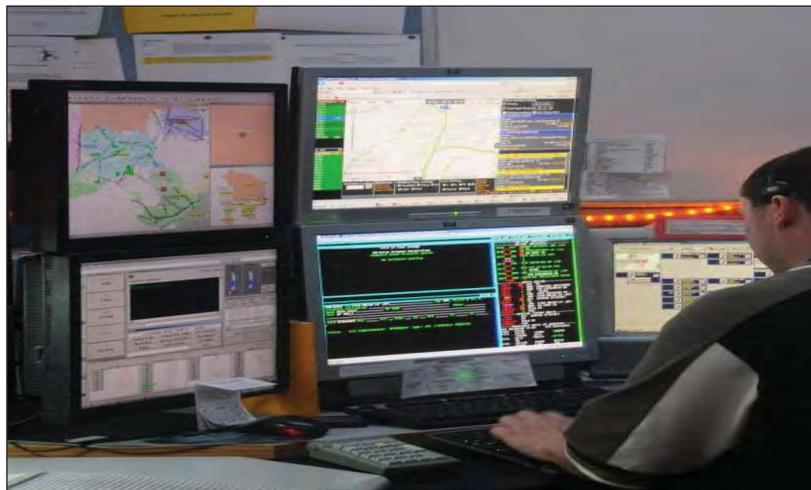
**Project Name:** **New Police Station, LOCOM & Municipal Court**

**Project Description:** Build a new Police Station with the Lake Oswego Communication Center (LOCOM) and Municipal Court that meets current Federal standards for emergency management and response, and provide a secure location for staff to provide the necessary public safety services for the community.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** City Council Goal



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
	Operating						
	Property Sale						-
General	Bonds						12,300
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$12,300
Expenses	Design						
	Proj. Admin						
	Construction						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$12,300

# FACILITIES

**Project Name:** **Operations Facilities Replacement**

**Project Description:** The Public Works Operations Services facility is located at 5705 Jean Rd. Various studies have identified major deficiencies with existing buildings and site layout. Public Works Operations continues to work out of an inefficiently designed facility that is in poor condition. The two largest buildings do not meet the seismic standards that are needed for first responder status. Collapse of a facility would hinder the servicing of first responder vehicles during an event and would block access to our own heavy equipment. Significant repairs have been required and are likely to continue given the design and age of the facility. Recent studies concluded that the facility needs to be replaced and is most effectively done so at the current site. The project could be funded and built in up to three phases. This CIP proposal assumes all work is done in a single phase for overall lowest total cost.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Council Goal, Periodic Asset Maintenance



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
	Operating						
	Property Sale						-
General	Bonds						17,000
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$17,000
Expenses	Design						
	Proj. Admin						
	Construction						
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$17,000

**Project Name:** **South Shore Fire Station Construction**

**Project Description:** Built in 1971, the South Shore Fire Station 212 is the oldest of the four fire stations operated by the Lake Oswego Fire Department. The facility has reached the end of its useful life cycle and has several significant structural and design issues that negatively affect firefighter safety and operational effectiveness.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Firefighter Safety, Operational Effectiveness



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
	Operating						-
	Property Sale						-
General	Bonds						3,000
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$3,000
Expenses	Design						
	Proj. Admin						
	Construction						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$3,000

# FACILITIES

**Project Name:** **Indoor Tennis Center**

**Project Description:** Construction of a new 8 - 10 court indoor tennis center to replace the existing four court facility. The 2009 Golf Tennis Feasibility Study recommends the City build a new indoor tennis facility to address un-met indoor tennis needs of Lake Oswego's citizens. Current cost estimates are \$5,100,000 - \$6,500,000.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** The existing four court facility is too small to meet community demand for public indoor facility needs



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
	Operating						
	Property Sale						
SDC's/Property Sale	Bonds						5,100
	Grants						
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$5,100
Expenses	Design						-
	Proj. Admin						-
	Construction						-
							-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$5,100

**Project Name:** **Operations Center - Stormwater Decant Facility**

**Project Description:** Surface Water Operations is required to remove sediment and debris from 1500 to 1700 sumped catch basins as a condition of its MS4 (Municipal Separate Storm Sewer System) Permit. The collected material must be dewatered before it can be transported to an approved disposal site. The existing facility at the Operations Center is inadequately sized and does not meet DEQ requirements for proper decanting and disposal. Public Works Operations needs an adequate decant facility to be in compliance.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Regulatory Compliance



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Stormwater	Operating						195
	Property Sale						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$195</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	<b>Purchase</b>						<b>195</b>
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$195</b>

# FACILITIES

**Project Name:** **Operations Center - Covered Storage**

**Project Description:** This project will protect the City’s investment in expensive equipment and materials from the deteriorating effects of rain and UV degradation. The new structures will cover and protect such items as: the new Water Treatment Trailer, Variable Message Sign Trailers, signs and barricades, and expensive materials such as cold mix and landscaping materials. Two structures will also cover the Operations Wash Bay and the Wastewater Wash Bay to reduce the runoff into the Wastewater collection system.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Safety: Protect and preserve equipment and materials



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Operations	Operating						<b>200</b>
	Property Sale						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$200</b>
Expenses	Design						-
	Proj. Admin						<b>25</b>
	Construction						<b>175</b>
	Purchase						-
<b>Expenses Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$200</b>

**Project Name:** **Operations Center - Replace Existing Parking Lot**

**Project Description:** This project will replace the badly deteriorated parking lot and driveways. On-going maintenance of the asphalt surface is costly and inefficient and will continue to worsen over time. The existing surface has poor drainage, large puddles and ponding problems in the vehicle barn which impacts the lifespan of the barn. This project will remove the existing thin two-inch asphaltic concrete surface and base rock and replace it with a thicker section of base rock and four inches of asphaltic concrete and have a design life of twenty years.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Safety and Efficiency



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Operations	Operating						719
	Property Sale						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$719</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						719
	Purchase						-
<b>Expenses Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$719</b>

# FACILITIES

**Project Name:** **New Library**

**Project Description** There is a need to build a larger library. The cost estimate for \$35 million is for a 60,000 square foot library at a location that is yet to be determined.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Economic Development



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
	Operating						-
	Property Sale						
General	Bonds						<b>35,000</b>
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$35,000</b>
Expenses	Design						-
	Proj. Admin						
	Construction						<b>35,000</b>
							-
<b>Expenses Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$35,000</b>

# FACILITIES

**Project Name:** City Hall  
**Project Description:** Repair or replace the City Hall building.  
**Funded/Unfunded:** Unfunded  
**Estimated Completion Date:**  
**Justification:** City Council Policy



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
	Operating						-
	Property Sale						-
General	Bonds						14,000
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$14,000</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$14,000</b>

# FACILITIES

**Project Name:** **Golf Course Driving Range**

**Project Description:** This project will include the construction of a new golf course driving range. Current cost estimates are \$800,000-\$1,200,000 for the entire project.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Safety, aging infrastructure, improved revenue generation capacity



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
	Operating						-
	Property Sale						-
General	Bonds						1,200
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,200
Expenses	Design						-
	Proj. Admin						-
	Construction						-
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$1,200

# MISCELLANEOUS CAPITAL - OVERVIEW

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## **Miscellaneous Capital:**

The Miscellaneous Capital section contains a variety of projects, programs and equipment purchases that cannot be placed within the other categories. This year, there are 6 projects that are proposed for funding, which includes the purchasing of public art, completing the City's financial software upgrade, purchasing a forensic evidence drying cabinet, purchasing a paperless records storage system, purchasing a network backup appliance, and upgrading the Water Treatment Plant's water information system software.

# MISCELLANEOUS CAPITAL

Miscellaneous Capital	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Public Art Purchases		General	12,000	12,000	12,000	12,000	12,000	60,000
Police - Forensic Evidence Drying Cabinet		General	11,000					11,000
Network Backup Appliance		General	50,000					50,000
Incode Upgrade		General	32,000					32,000
Water Information System Software		Water	35,000					35,000
Police - Paperless Records Storage System		General	50,000					50,000
Defibrillator Replacement		General		230,000				230,000
LOCOM - Computer Aided Dispatch, Mobile Data, & Records Mngmt		General			1,200,000			1,200,000
<b>Total</b>			<b>190,000</b>	<b>242,000</b>	<b>1,212,000</b>	<b>12,000</b>	<b>12,000</b>	<b>1,668,000</b>
<b>Unfunded</b>								
Public Safety Systems Radio Upgrade for Police	1	General						2,165,000
Lake Grove Village Center Improvements	2	General						9,064,000
Lake Grove Village Center Parking Improvements	3	General						3,090,000
<b>Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14,319,000</b>

# MISCELLANEOUS CAPITAL

**Project Name:** Public Art Purchases

**Project Description:** Each year the lake Oswego Foundation for the Art invites residents to vote on their favorite sculpture from selected pieces from the current continuing art collection. The City purchases the winning sculpture for inclusion as a permanent piece in the art collection. The purchase is funded through the Percent for Art Program. The Percent for art program was established to expand the experience of the City's citizenry through public art of the highest quality. For every qualified project over \$25,000, 1% of the total cost of the project shall be used for the costs associated with the acquisition of public art. Additionally, 5% of the total cost of qualified City projects shall be used for the costs associated with the administration of the public art program. In years with no qualified projects the City's general fund has supplied the funding to the Program through transfers contingent upon Council approval.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** Annual

**Justification:** Public Art, City Beautification



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating	12	12	12	12	12	60
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$12</b>	<b>\$12</b>	<b>\$12</b>	<b>\$12</b>	<b>\$12</b>	<b>\$60</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase	12	12	12	12	12	60
<b>Expenses Total</b>		<b>\$12</b>	<b>\$12</b>	<b>\$12</b>	<b>\$12</b>	<b>\$12</b>	<b>\$60</b>

# MISCELLANEOUS CAPITAL

**Project Name:** Police - Forensic Evidence Drying Cabinet

**Project Description:** The cabinet is for drying blood stained or other wet clothing that is of evidentiary value. It is a cabinet that won't allow for contaminants or for cross contamination. This piece of equipment is something that will be able to be moved to a new police department in the future. Currently, we do not meet standards for drying of clothing for DNA preservation under ORS 133.707 and this piece of equipment will meet that standard.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** 2014

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating	11					11
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$11</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$11</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase	11					11
<b>Expenses Total</b>		<b>\$11</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$11</b>

# MISCELLANEOUS CAPITAL

**Project Name:** Network Backup Appliance

**Project Description:** Network Backup Appliance for backing up expanded police video use in patrol cars. Specific vendor to be selected by low bid feature set.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2014

**Justification:**

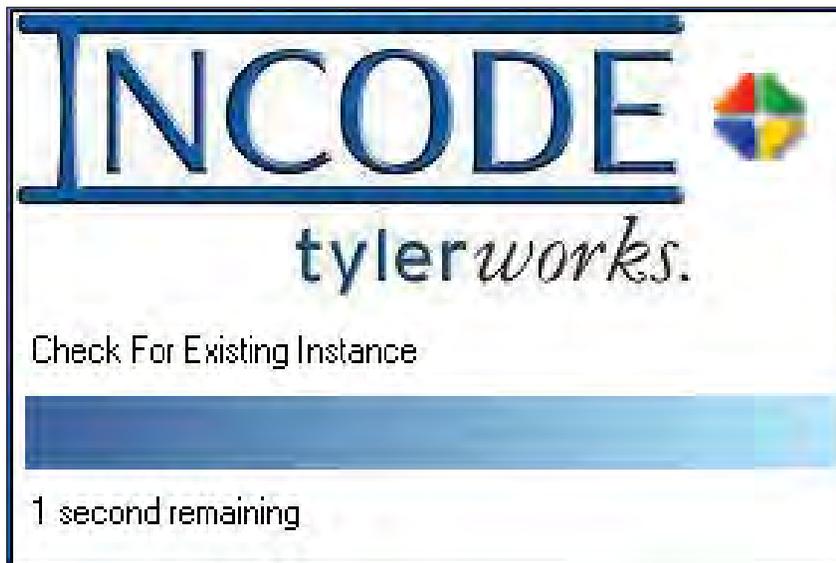


Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating	50					50
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$50</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$50</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase	50					50
<b>Expenses Total</b>		<b>\$50</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$50</b>

# MISCELLANEOUS CAPITAL

**Project Name:** **Incode Upgrade**  
**Project Description:** This project will upgrade the current financial software from Version 8 to Version 10. The funding is carried from FY 2012-13.  
**Funded/Unfunded:** Funded  
**Estimated Completion Date:** 2014  
**Justification:** Asset Upgrade



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating	32					32
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$32</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$32</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase	32					32
<b>Expenses Total</b>		<b>\$32</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$32</b>

# MISCELLANEOUS CAPITAL

**Project Name:** **Water Information System Software**

**Project Description:** The Water Treatment Plant has used an Access database to track and report on operational, water quality and regulatory data for the past 20 years and this system has become challenging to maintain and update for the WTP staff. A water system specific information management software that is user friendly is recommended for the plant to continue to track hourly, daily and monthly data points collected manually and through the SCADA system and to produce reports for regulatory purposes, water quality management and optimized plant operations. The system will cost between \$15,000 and \$35,000 depending on software type, features and whether it resides on the City server or is stored on a vendor's server. Annual Maintenance fees will also vary depending on the option chosen, but could be between \$1800 to \$4000 per year.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** 2014

**Justification:** Periodic Replacement



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Water	Operating	35					35
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$35</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$35</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase	35					35
<b>Expenses Total</b>		<b>\$35</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$35</b>

# MISCELLANEOUS CAPITAL

**Project Name:** **Police - Paperless Storage System**

**Project Description:** This project will convert all the police reports from paper storage to paperless storage. It will save valuable space in the police department as well as produce efficiencies in the records department.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2014

**Justification:** Asset Management/Sustainability



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating	50					<b>50</b>
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$50</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$50</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase	50					<b>50</b>
<b>Expenses Total</b>		<b>\$50</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$50</b>

# MISCELLANEOUS CAPITAL

**Project Name:** Defibrillator Replacement

**Project Description:** This request is to replace six LifePak 12 defibrillators purchased in 2005. Defibrillators are used by the emergency services personnel to diagnose and then treat patients suffering heart related medical emergencies. Each LifePak 12 is estimated to cost \$25,000 in FY 2014/15 dollars.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** 2015

**Justification:** Equipment Critical to Providing Advance Medical Services



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating		230				230
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$230</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$230</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase		230				230
<b>Expenses Total</b>		<b>\$-</b>	<b>\$230</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$230</b>

# MISCELLANEOUS CAPITAL

**Project Name:** **LOCOM Computer Aided Dispatch, Mobile Data, & Records Management**

**Project Description:** The computer aided dispatch system along with mobile data software applications for field users will be end of life by 2014. The project plans for the potential funding necessary to upgrade as part of a stand alone system or as a partner in a regional project. This also includes funding that may be necessary to participate in the Portland Police Data System (PPDS) replacement project for law enforcement records management.

**Funded/Unfunded:** Funded

**Estimated Completion Date:**

**Justification:** First Responder, Community Safety



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating			1,200			1,200
	SDC's						
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$1,200</b>	<b>\$-</b>	<b>\$-</b>	<b>\$1,200</b>
Expenses	Design						
	Proj. Admin						
	Construction						
	Purchase			1,200			1,200
<b>Expenses Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$1,200</b>	<b>\$-</b>	<b>\$-</b>	<b>\$1,200</b>

# MISCELLANEOUS CAPITAL

**Project Name:** **Public Safety Systems Radio Upgrade for Police**

**Project Description:** The 800 MHz public safety radio system infrastructure will be end of life by 2015 and end user equipment will be approaching end of life at that time. This project plans the funding necessary to upgrade the infrastructure of the system as a member of C800 or a part of a larger regional project. Zone controller for radio system has been upgraded, paying on debt service out of operating over the next seven years. The next phase of upgrade has not been identified at this time.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:** 2013

**Justification:** First Responder, Community Safety



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating						2,165
	SDC's						-
	Bonds						-
	Grants						
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	\$2,165
Expenses	Design						
	Proj. Admin						-
	Construction						
	Purchase						2,165
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	\$2,165

# MISCELLANEOUS CAPITAL

**Project Name:** Lake Grove Village Center Improvements

**Project Description:** The Lake Grove Village Center Plan includes a variety of projects intended to improve pedestrian, bicycle and vehicular access within the Village Center. The plan also includes improvements to parks and public open spaces. This CIP project is intended to fund these projects. Individual projects will be selected based on a set of ranked criteria and the priorities listed in the Village Center Plan.

**Funded/Unfunded:** Unfunded

**Estimated Completion**

**Date:**

**Justification:** Lake Grove Village Center Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating						9,064
	SDC's						
	Bonds						
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$9,064</b>
Expenses	Design						700
	Proj. Admin						400
	Construction						7,964
	Purchase						
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$-	<b>\$9,064</b>

# MISCELLANEOUS CAPITAL

**Project Name:** Lake Grove Village Center Parking Improvements

**Project Description:** The Lake Grove Village Center Plan includes a project to provide public parking facilities in conjunction with roadway improvements. The parking improvements may be a stand alone project or a project developed jointly with a private developer.

**Funded/Unfunded:** Unfunded

**Estimated Completion Date:**

**Justification:** Lake Grove Village Center Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating						3,090
	SDC's						-
	Bonds						
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$3,090</b>
Expenses	Design						200
	Proj. Admin						100
	Construction						2,790
	Purchase						-
<b>Expenses Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$3,090</b>

# MISCELLANEOUS CAPITAL

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# LARGE CAPITAL - OVERVIEW

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## **Large Capital Equipment**

This section identifies vehicle and equipment purchases. This category is used to plan for the replacement of vehicles as they near the end of their life cycle. This year, there are 10 vehicles that are proposed to be funded for the following departments/divisions: Parks (2), Street Operations (1), Wastewater Operations (1), Engineering (1) and Police (5).

There are a total of 175 vehicles/large equipment in the City's fleet. Out of this total, there are 108 vehicles/large equipment that belong to General Fund Departments. This total only includes vehicles with mileage and does not include equipment, such as mowers and tractors. The guideline advocated by numerous municipalities, the National Association of Fleet Administrators and American Public Works Association is to replace sedans, vans, SUVs and pickup trucks every 8 years or approximately 90,000 miles. These guidelines are recommended to minimize operation and maintenance costs, minimize safety risks, and maximize value of the vehicle at auction. In the City's vehicle replacement schedule, the recommended replacement age has been moved out to 10 years for this classification of sedans, vans, and trucks. Not all vehicles have a replacement age of 10 years. For example, Police cruisers are scheduled to be replaced every 5 years, which is a best practice.

# LARGE CAPITAL

Large Capital Equipment	Rank	Funding Source	Budgeted 2013-14	Projected				Total
				2014-15	2015-16	2016-17	2017-18	
<b>Funded/Projected</b>								
Police - Vehicle Replacement Schedule		General	205,000	190,000	199,000	173,000	191,000	<b>958,000</b>
Parks - Vehicle Replacement Schedule		General	117,000	60,000	45,000	25,000	104,000	<b>351,000</b>
Parks - Equipment Replacement Schedule		General	16,000	69,000	19,000	28,000		<b>132,000</b>
Fire - Fire Truck 211		General		1,044,000				<b>1,044,000</b>
Fire - Fire Truck 212		General			689,000			<b>689,000</b>
Fire - Vehicle Replacement - Fire Chief		General		35,000				<b>35,000</b>
Fire - Water Rescue Boat Replacement		General		78,000				<b>78,000</b>
Facilities - Vehicle Replacement Schedule		General			32,000			<b>32,000</b>
Parks - Golf Course Maint Equip Replacement		Golf	30,000	28,000	30,000	21,000		<b>109,000</b>
Engineering - Vehicle Replacement Plan		Engineering	35,000	35,000	35,000	35,000		<b>140,000</b>
Operations - Annual Small Truck Replacement		Street, Water, Surface, Wastewater	80,000	60,000	60,000	60,000	60,000	<b>320,000</b>
Operations - Electric Reach Style Forklift		Motor Pool	20,000					<b>20,000</b>
Operations - 2-Way Angle Plow		Street	20,000	20,000				<b>40,000</b>
Street Sweeper		Street			225,000			<b>225,000</b>
Operations - High Pressure Cleaner Replacement for Surface Water Program		Surface Water	380,000					<b>380,000</b>
Operations - Portable TV Camera Equipment		Wastewater	45,000					<b>45,000</b>
Operations - Digital Universal Camera to Inspect Pipes		Wastewater		85,000				<b>85,000</b>
Operations - High Pressure Cleaner Replacement for Wastewater Program		Wastewater			360,000			<b>360,000</b>
Operations - Easement Machine		Wastewater					50,000	<b>50,000</b>
<b>Total</b>			<b>948,000</b>	<b>1,704,000</b>	<b>1,694,000</b>	<b>342,000</b>	<b>405,000</b>	<b>5,093,000</b>

**Project Name:** **Police - Vehicle Replacement Schedule**

**Project Description** The Police Department uses vehicles while performing daily operations. Vehicles are assigned to the Patrol Division, Traffic Division, Detective Division and Administration. These vehicles are rotated out on a yearly schedule depending on the mileage of the vehicle.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** Annual

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating	205	190	199	173	191	<b>958</b>
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$205</b>	<b>\$190</b>	<b>\$199</b>	<b>\$173</b>	<b>\$191</b>	<b>\$958</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase	205	190	199	173	191	<b>958</b>
<b>Expenses Total</b>		<b>\$205</b>	<b>\$190</b>	<b>\$199</b>	<b>\$173</b>	<b>\$191</b>	<b>\$958</b>

# LARGE CAPITAL

**Project Name:** **Parks - Vehicle Replacement Schedule**

**Project Description** Vehicle replacement for the Adult Community Center, Management Services, and Parks Maintenance. For FY 2013-14: Replacement of the 1998 Handicap Accessible, Goshen Diesel Van to provide transport for elderly to and from the ACC for services and programs. Also, replacement of the 1996 one ton Ford F350 truck in Parks Maintenance.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** Annual

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating	117	60	45	25	104	351
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$117</b>	<b>\$60</b>	<b>\$45</b>	<b>\$25</b>	<b>\$104</b>	<b>\$351</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase	117	60	45	25	104	351
<b>Expenses Total</b>		<b>\$117</b>	<b>\$60</b>	<b>\$45</b>	<b>\$25</b>	<b>\$104</b>	<b>\$351</b>

# LARGE CAPITAL

**Project Name:** **Parks - Equipment Replacement Schedule**

**Project Description** Replacement of aging parks maintenance mowers, tractors, top dressers, etc. required to maintain parks and are beyond useful life and unserviceable. Replacement for the upcoming FY 13/14: Toro Turf Truck E - Tractor #4146.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** Annual

**Justification:** Equipment replacement to maintain current level of service



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating	16	69	19	28		132
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$16</b>	<b>\$69</b>	<b>\$19</b>	<b>\$28</b>	<b>\$-</b>	<b>\$132</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase	16	69	19	28		132
<b>Expenses Total</b>		<b>\$16</b>	<b>\$69</b>	<b>\$19</b>	<b>\$28</b>	<b>\$-</b>	<b>\$132</b>

# LARGE CAPITAL

**Project Name:** Fire - Fire Truck 211

**Project Description** This request is for the scheduled replacement of the Fire Department's 105' aerial ladder truck, city vehicle #2184, currently responding out of the Jean Road fire station. The vehicle being replaced is a 1999 Pierce Arrow aerial ladder truck with 74,001 miles on the odometer as of 12/07/2011. The National Fire Protection Association Standard 1901 Standard for Automotive Fire Apparatus recommends that apparatus greater than 15 years old, that have been properly maintained, be placed in reserve status.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** 2015

**Justification:** Scheduled replacement of Emergency Response Vehicle



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating		1,044				1,044
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$1,044	\$-	\$-	\$-	\$1,044
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase		1,044				1,044
<b>Expenses Total</b>		\$-	\$1,044	\$-	\$-	\$-	\$1,044

# LARGE CAPITAL

**Project Name:** Fire - Fire Truck 212

**Project Description** This request is for the scheduled replacement of Fire Engine 212, City vehicle #2182, a 2001 Pierce fire engine with 65,541 miles on the odometer as of 12/07/2011. The fire engine currently responds out of the South Shore fire station. The National Fire Protection Association Standard 1901 Standard for Automotive Fire Apparatus recommends that apparatus greater than 15 years old, that have been properly maintained, be placed in reserve status.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** 2016

**Justification:** Scheduled replacement of Emergency Response Vehicle



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating			689			689
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$689	\$-	\$-	\$689
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase			689			689
<b>Expenses Total</b>		\$-	\$-	\$689	\$-	\$-	\$689

# LARGE CAPITAL

**Project Name:** Fire - Vehicle Replacement - Fire Chief  
**Project Description** Scheduled replacement of 2004 Pontiac Grand Am assigned to the Fire Chief. Planned useful life of the vehicle is 10 years.  
**Funded/Unfunded:** Funded  
**Estimated Completion Date:** 2015  
**Justification:** Emergency Response Vehicle, Normal Business Travel



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating		35				35
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$35	\$-	\$-	\$-	\$35
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase		35				35
<b>Expenses Total</b>		\$-	\$35	\$-	\$-	\$-	\$35

# LARGE CAPITAL

**Project Name:** Fire - Water Rescue Boat Replacement

**Project Description:** Scheduled replacement of a 2002 19 ft Motion Marine rescue boat. The boat's engine has been rebuilt twice and the aluminum hull is showing signs of excessive wear.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2015

**Justification:** Water Rescue Response Program



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating		78				78
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$78	\$-	\$-	\$-	\$78
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase		78				78
<b>Expenses Total</b>		\$-	\$78	\$-	\$-	\$-	\$78

# LARGE CAPITAL

**Project Name:** **Facilities - Vehicle Replacement Schedule**

**Project Description** This request is to replace the Ford Explorer due to safety and functionality. The truck is needed to move parts, supplies, furniture and more. It is used by the facilities staff at the West End Building.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** 2016

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
General	Operating			32			32
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$32	\$-	\$-	\$32
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase			32			32
<b>Expenses Total</b>		\$-	\$-	\$32	\$-	\$-	\$32

# LARGE CAPITAL

**Project Name:** **Parks - Golf Course Maintenance Equipment Replacement**

**Project Description** The Parks and Recreation Department uses a number of different types of large equipment to maintain the Golf Course. Equipment is assigned to the Golf Division and is replaced upon reaching the end of its useful life. Replacement for the upcoming FY 13/14: 1995 Toro Workman Work Truck used for maintaining fairways and greens.

**Funded/Unfunded:** Funded

**Estimated Completion Date:** 2016

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Golf	Operating	30	28	30	21		<b>109</b>
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$30</b>	<b>\$28</b>	<b>\$30</b>	<b>\$21</b>	<b>\$-</b>	<b>\$109</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase	30	28	30	21		<b>109</b>
<b>Expenses Total</b>		<b>\$30</b>	<b>\$28</b>	<b>\$30</b>	<b>\$21</b>	<b>\$-</b>	<b>\$109</b>

# LARGE CAPITAL

**Project Name:** **Engineering - Vehicle Replacement Plan**

**Project Description** The Engineering Division currently has 8 vehicles that are shared by 18 staff members. The vehicles range in age from 3 to 18 years. Several vehicles have obsolete seat belt harness systems and lack air bags. The sedan styles are not efficient for carrying tools, equipment and gear that are typically required for field work. This is a plan to replace vehicles on a 10 year schedule unless safety issues necessitate an earlier replacement. To achieve a 10 year schedule, 2 vehicles would be replaced each year for the first 2 years and then only one replacement per year after that for 4 years. Funding would be shared between all four utility funds; street maintenance, water, wastewater and surface water.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** Annual

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Engineering	Operating	35	35	35	35		140
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$35</b>	<b>\$35</b>	<b>\$35</b>	<b>\$35</b>	<b>\$-</b>	<b>\$140</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase	35	35	35	35		
<b>Expenses Total</b>		<b>\$35</b>	<b>\$35</b>	<b>\$35</b>	<b>\$35</b>	<b>\$-</b>	<b>\$140</b>

**Project Name:** Operations - Annual Small Truck Replacement

**Project Description** Provide a systematic and cost effective way to prevent the maintenance vehicles from becoming obsolete by providing ongoing, scheduled replacements within the utility maintenance fleet (Street, Stormwater, Water and Wastewater). Replacement vehicles will generally match those that already exist in the fleet. Small pickups are the workhorse of the utility fleet, allowing small crews to carry out a large variety of routine maintenance work. Routine replacement will minimize down time due to obsolete parts and higher repair needs of older vehicles.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** Annual

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street/Surface/Waste/Water	Operating	80	60	60	60	60	320
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$80</b>	<b>\$60</b>	<b>\$60</b>	<b>\$60</b>	<b>\$60</b>	<b>\$320</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase	80	60	60	60	60	320
<b>Expenses Total</b>		<b>\$80</b>	<b>\$60</b>	<b>\$60</b>	<b>\$60</b>	<b>\$60</b>	<b>\$320</b>

# LARGE CAPITAL

**Project Name:** **Operations - Electric Reach Style Forklift**

**Project Description** This request would replace a 50-year old electric forklift that Motor Pool uses to reach parts and materials on above ground racks. Replacement parts and batteries are no longer available. This is a portable piece of equipment.

**Funded/Unfunded:** Funded

**Estimated Completion Date:**

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Motor Pool	Operating	20					<b>20</b>
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$20</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$20</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase	20					<b>20</b>
<b>Expenses Total</b>		<b>\$20</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$20</b>

# LARGE CAPITAL

**Project Name:** Operations - Two-Way Angle Plow

**Project Description** This request is to replace the aging snow plow equipment with more functional plows. The two-way angle plow will allow staff to plow snow more efficiently and direct the snow to either side of roads, particularly narrow roads. The plan is to replace two plows over the next two years. An additional plow is requested for FY 2014-15.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** 2013

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating	20	20				40
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$20</b>	<b>\$20</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$40</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase	20	20				40
<b>Expenses Total</b>		<b>\$20</b>	<b>\$20</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$40</b>

# LARGE CAPITAL

**Project Name:** **Street Sweeper**

**Project Description** We have three street sweepers in our fleet, two for standard street sweeping and one for pathways and other types of work. One street sweeper was replaced in FY 2012-13. The other two sweepers are beyond their typical lifespan. The Typical lifespan for a sweeper is five to eight years. This plan proposes replacing a vehicle in FY 2015-16, so the fleet has two sweepers that can be counted on to be in working order. The Street Sweeping program keeps streets clean and minimizes pollutants entering local waterways.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** 2016

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Street	Operating			225			225
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$225	\$-	\$-	\$225
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase			225			225
<b>Expenses Total</b>		\$-	\$-	\$225	\$-	\$-	\$225

**Project Name:** **Operations - High Pressure Cleaner Replacement for Surface Water Program**

**Project Description** The HPC was budgeted for FY 2012-13 and is anticipated for arrival in late June. This item is budgeted as a carryover in the case that the vehicle arrives in July and in FY 2013-14. HPC's can take as much as 270-360 days to bid and build. The vehicle is needed because the piped portion of the City's stormwater system requires storm line maintenance.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** 2014

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Surfacewater	Operating	380					380
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$380</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$380</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase	380					380
<b>Expenses Total</b>		<b>\$380</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$380</b>

# LARGE CAPITAL

**Project Name:** **Operations - Portable TV Camera Equipment**

**Project Description** This equipment allows the crew access to wastewater collection system line segments that are located in areas that are inaccessible to the TV inspection van. This equipment gives staff the mobility needed to get to these remote sites and perform the correct maintenance of these lines. The unique topography of Lake Oswego often requires our crew to work behind homes, in creek areas and at the lakes edge. This equipment will get us to the correct top end of maintenance for these lines and ensure the longest life possible for these assets.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** 2014

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating	45					45
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$45</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$45</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase	45					45
<b>Expenses Total</b>		<b>\$45</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$45</b>

# LARGE CAPITAL

**Project Name:** **Operations - Digital Universal Camera to Inspect Pipes**

**Project Description** The Digital Universal Camera is designed for rapid and detailed condition assessment of the wastewater collection system pipes. This camera has the ability to inspect up to 5000 feet of collection system per day. The current data production is generally around 2000 feet per day. Using this camera in the new Hybrid TV Inspection vehicle will more than double the current production rate. With the current staffing level of four utility workers in Wastewater Operations, staff is approximately five years behind in best management practices of the collection TV inspection. Purchase of this digital camera will allow staff to inspect more lines per day and greatly reduce the backlog of uninspected lines. Increased inspection rates will greatly reduce the per foot cost of inspection.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** 2015

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating		85				85
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$85	\$-	\$-	\$-	\$85
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase		85				85
<b>Expenses Total</b>		\$-	\$85	\$-	\$-	\$-	\$85

# LARGE CAPITAL

**Project Name:** **Operations - High Pressure Cleaner Replacement for Wastewater Program**

**Project Description** The 2006 High Pressure Cleaner (HPC) 2000 gallon capacity is used for sewer line cleaning. As a result of reliability issues and cost of repairs there is need to replace this vehicle in the future. This equipment is essential to the sewer operations program. HPCs have a recommended replacement of 10 years due to heavy wear caused by operating under routine high water pressure. HPCs can take 270-360 days to bid and build. HPCs for surface water can not be used on the wastewater system due to contaminants.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** 2016

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating			360			<b>360</b>
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$360</b>	<b>\$-</b>	<b>\$-</b>	<b>\$360</b>
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase			360			<b>360</b>
<b>Expenses Total</b>		<b>\$-</b>	<b>\$-</b>	<b>\$360</b>	<b>\$-</b>	<b>\$-</b>	<b>\$360</b>

# LARGE CAPITAL

**Project Name:** **Operations - Easement Machine**

**Project Description** This equipment allows our crew access to wastewater collection system line segments that are located in areas that are inaccessible to our high pressure cleaner truck. This machine gives us the mobility needed to get to these remote sites and perform the correct maintenance of these lines. The unique topography of Lake Oswego often requires our crews to merely flush these lines with water. Cleaning lines in this way is the absolute lowest end of maintenance for the lines. This equipment will get us to the correct top end of maintenance for these lines and will ensure the longest life for these valuable assets.

**Funded/Unfunded:** Funded

**Estimated Completion**

**Date:** 2018

**Justification:** Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Wastewater	Operating					50	50
	SDC's						-
	Bonds						-
	Grants						-
<b>Resources Total</b>		\$-	\$-	\$-	\$-	\$50	\$50
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase					50	50
<b>Expenses Total</b>		\$-	\$-	\$-	\$-	\$50	\$50

# LARGE CAPITAL

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## APPENDIX A: DESCRIPTIONS OF CIP ELEMENTS

### Program Area Descriptions

1. Parks and Open Space – provides for the planning, design and construction of improvements to the City’s open space and park site land acquisition and park and greenway development.
2. Transportation – provides for the planning, engineering and construction of improvements to the City’s transportation systems that safely preserve existing infrastructure, increase roadway capacity, improve mobility and/or enhance neighborhood livability. This program area includes roadways, intersections, pathways and transit.
3. Utilities - provides for the planning, design and construction of improvements to the City’s public utilities. This program area includes water treatment and distribution systems, the Lake Oswego/ Tigard Water Supply Expansion Partnership Project, surface water conveyance and water quality systems, wastewater collection and conveyance systems and the Lake Oswego Interceptor Sewer (LOIS) project.
4. Facilities – provides for planning, design, construction and/or rehabilitation of the City’s building and accessory facilities outside traditional public works infrastructure.
5. Miscellaneous Capital – provides for the planning, design, construction, and/or purchase of other public capital investments including vehicles (or large vehicle related), communication and computer systems, neighborhood plan capital improvements and equipment (i.e. survey, mobile data, etc.).
6. Large Capital Equipment – provides for major equipment and vehicles necessary for efficient and effective delivery of city services.

### Project Types

Several main types of projects are included in the document:

1. System Repairs and Replacements – Projects needed to maintain existing infrastructure; typically needed to ensure service reliability.
2. System Improvements – Projects designed to increase the functionality, efficiency, and/or capability of the infrastructure.
3. Capacity Increasing Projects to Meet Growth – Projects needed in order to provide services to new customers.
4. Redevelopment and Community Enhancement – Projects created for urban renewal, overall community or neighborhood livability and safety enhancement.

### Document Structure

Each program area in the CIP includes:

1. Program Area Overview Sheets - This narrative information provides an overall summary, which will help familiarize the document user with the types of projects and project objectives for each program area.
2. Program Area Project Cost Summaries - This information provides an “at-a-glance” project cost summary (by program area) which assists CIP and financial staff with strategic planning endeavors, such as coordinating infrastructure construction activities with other local public agencies and financial planning.
3. Individual Project Worksheets - Show details about each project within each program area.

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4. Alphabetical Order - All Projects are listed in alphabetical order, first within funded projects and then within unfunded projects.

## Program Area Summaries

For each funded program area, the CIP project summary shows:

1. Program Project Summary Lists
  - Project Names
  - Project Dollars by year
  - Yearly Totals
2. Program Resource Summary Lists
  - Funding Resources by type for Program Area as a whole
  - Total Dollars of each Resource type by year
  - Yearly Totals
3. Program Project Resource Detail Lists:
  - Project Name
  - Project Dollars by year
  - Funding Resources for each Project by year
  - Yearly Totals

## Individual Project Worksheets

Each funded and unfunded CIP project has its own worksheet that provides detailed information about the project. Where appropriate, worksheets include area maps to illustrate the location of the project. Information shown on each worksheet includes:

1. Project Name – A unique project name is assigned to each project within a program. In some cases, a project may have both a funded and an unfunded component.
2. Description – This section lists the major elements of the project, including what purpose the project serves, the project location, and the neighborhood district designation.
3. Justification – This section justifies why money should be allocated to the project. The section may also describe the project's long and short-term benefits and costs, and adverse effects that may occur if the project is not completed.
4. Funding Resources – Shows the source and estimated amount of funds to be used for each project.
5. Project Costs – Shows the estimated type and amount of expenditures planned for each project.

## Description of Funding Resources

1. Operating – Ongoing revenue such as utility rates or gas taxes.
2. Grant – Funds awarded from federal, state or local sources.
3. SDC – System Development Charges.
4. Developer – To be paid or constructed by a private party.
5. IGA – Intergovernmental agreement.
6. Other – Usually dedicated revenues or inter-fund transfers for shared projects.
7. LORA – Funds coming from the Urban Renewal Program Area.
8. Dev/SDC Credit – To be paid or constructed by a private party and then get reimbursed using SDC Credits.

9. Debt-SDC – Loans to be repaid by SDC Funds. Used when the project is SDC eligible but SDC funds are not currently on hand.
10. Repair/Replacement Reserves – Funds set aside for the repair and/or replacement of infrastructure.

## **Description of Project Costs**

1. Design and Construction Administration – Estimated costs for City staff design and project management.
2. Property Acquisition – Estimated property costs.
3. Construction – Estimated constructed costs.
4. Other – Usually reimbursement payments or consultant or other out-source services.
5. Administration – Percentage assessed to each project to cover overhead including City and Department Administration.
6. Construct/Reimburse – If project is funded entirely by “Developer/SDC Credits.

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## APPENDIX B: GLOSSARY

1. Bond Funds – Funds used to account for the revenue received through the issuance of City bonds. Issuing bonds is not only a common practice among cities; it is the primary and most widely accepted method of funding large capital projects for municipalities throughout the nation.
2. Capital Improvement Project – A specific undertaking involving procurement, construction or installation of facilities or related equipment which improves, preserves, enhances or modernizes the City's provision of municipal services, has a useful life of multiple years, and costs in excess of \$10,000.
3. Construction Costs – Cost estimates for all construction related tasks required to place a project in service. This includes project construction contracts, professional and technical assistance, advertising, legal and technical documentation, costs, inspections, testing, and permitting.
4. Design Costs – Cost estimates of identifying project options, developing a project scope, conducting feasibility analyses, and creating plans, specifications and estimates for a capital improvement.
5. Developer Fees – Fees assessed to developers to mitigate the costs associated with conducting preconstruction and plan reviews, issuing street opening and encroachment permits, and inspecting buildings.
6. Economic Life – The period from the acquisition of the asset to the time when the asset, while physically able to provide a service, ceases to be the lowest cost alternative to satisfy a particular level of service.
7. Fiscal Year (FY) – A time period designated by the City signifying the beginning and ending period for recording financial transactions. The City of Lake Oswego has a fiscal year of July 1 to June 30.
8. Grant Funds – Funds used to account for revenue awarded from federal, state, local or other sources.
9. Infrastructure Assets – Stationary systems forming a network and serving whole communities, where the system as a whole is intended to be maintained indefinitely at a particular level of service potential by the continuing replacement and refurbishment of its components.
10. Life-Cycle Cost – The total cost of an asset throughout its life including planning, design, construction, acquisition operation, maintenance, rehabilitation, and disposal costs.
11. Level of Service – The defined service quality for a particular activity or service area against which service performance may be measured.
12. Operating Funds – Funds used to account for revenue and expenditures related to the cost of operating and maintaining the particular project or system.
13. Project Administrative Costs – Cost estimates of staff time and office resources to complete the project, which includes salaries, benefits and office materials.
14. Policy – Guiding principle that defines the underlying rules which are used to direct subsequent decision-making processes.
15. Pre-Design Report – This report is developed, as necessary, at the beginning phase of the project to identify project requirements, project's work scope, permitting requirements, data collection, public involvement, legal and technical documentation, cost estimates, environmental impacts, and assessment of alternatives.
16. Priority – The project's place in the preferential rating system as determined by the Sustainability Criteria and the Owner/Operator Lens Evaluation.

17. Program Area – There are nine categories that all projects fall under in the CIP. The areas are Parks and Open Spaces, Transportation, Utilities, Facilities, Miscellaneous Projects, Large Capital Equipment, Plan Updates, Lake Oswego Redevelopment Agency (LORA), and Future Projects.
18. Project Costs – An estimate of the resources required to complete the capital project as described on the project description page. Many of the project costs shown in the CIP Plan are preliminary in nature since it is necessary for significant engineering to be conducted before specific estimates can be produced. Most cost estimates are produced using rule-of-thumb approximations as opposed to specific lists of materials.
19. Public Hearing – A specifically designated time, place, and opportunity for citizens, community groups, businesses, and other stakeholders to address the City Council on a particular issue.
20. Systems Development Charge (SDC) Funds – Funds used to account for one time revenues received from new developments that are assessed to mitigate the increased costs of providing public infrastructure. The Parks, Water, Surface Water, Wastewater, and Street SDC Funds are restricted for use on capital projects that increase capacity for their respective systems.

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## APPENDIX C: CIP DEVELOPMENT

### CIP Development - Overall Plan

The development of the five-year CIP includes opportunities for citizen involvement, coordination with citizen advisory groups and public agencies, and input from the Planning Commission and City Council to help ensure that projects meet community needs and mirror City Council adopted plans. These Council adopted plans help prioritize areas of focus, and the CIP is a commitment toward implementation of the plans' goals and objectives.

### CIP Development – Elements

1. 20 Year Master Plans – Master Plans identify what public facility investments need to be made to ensure future community goals are achieved. These plans are typically updated every 8-10 years to help guarantee infrastructure systems meet service level expectations. This work is outsourced to specialized consultants who work directly with the individual Program Areas. These plans are typically updated every 8-10 years. This work is outsourced to specialized consultants who work directly with the individual Program Areas.
2. City Council Adoption of Master Plans - City Council adopts master plans for each program area, which provides the roadmap for future capital investments.
3. Draft CIP – Program Areas then use the appropriate Master Plans as a blue print to develop CIP Projects accordingly. The CIP is created by Program Areas.
4. Community Open House – Program Areas provide an overview of the draft CIP, to inform and manage stakeholder expectations of the CIP process.
5. Planning Commission Approval – Planning Commission reviews and confirms the CIP is in compliance with the City's Comprehensive Plan.
6. Budget Committee Approval – Budget Committee approves funding for year one of the 5-Year CIP.
7. City Council Approval – City Council approves the 5-year CIP, which directs staff to implement projects identified within this document.

## APPENDIX D: LAKE OSWEGO REDEVELOPMENT AGENCY (LORA)

The **Lake Oswego Redevelopment Agency (LORA)** is the City's urban renewal agency. Formed in 1979, LORA uses tax increment financing and other public financing to invest in projects and programs to improve designated urban renewal areas, enhance the business environment and stimulate private investment.

LORA is a unique public entity, with its own budget and a Board comprised of the members of the City Council. As such, LORA has a distinct project planning effort from that of the City.

LORA currently manages implementation of two urban renewal plans:

- **2004 East End Redevelopment Plan Update**, as amended. This plan for downtown Lake Oswego authorizes investment in a variety of projects, including public parks, trails and plazas, streetscape improvements, facade grants to improve existing commercial properties, public parking, and partnerships to facilitate and support private development of mixed-use projects. The East End Redevelopment Plan is available at: <http://www.ci.oswego.or.us/lora/east-end-redevelopment-plan>
- **Lake Grove Village Center Urban Renewal Plan**. Adopted in July 2012, this plan authorizes urban renewal investment in two projects recommended in the 2008 Lake Grove Village Center Plan: Boones Ferry Road and parking. The Plan is available at: <http://www.ci.oswego.or.us/lora/lake-grove-urban-renewal-plan-adopted>

The FY 2012-2013 LORA budget includes funding for the following capital projects:

- First Street North Anchor Project (property acquisition and planning)
- Second Street Improvements (construction)
- Third and A Turn Lane (construction)
- Façade Grants

FY 2013-2014 proposed LORA budget includes the following capital projects in the East End Redevelopment Plan:

- First Street North Anchor Project
- Information Kiosk
- State Street Pedestrian Improvements
- Trolley Ticket Station Parking and Pedestrian Improvements
- Façade Grants

The table on the following page shows East End District Plan Project Priorities and estimated costs as of April 2013. The Lake Grove Village Center Urban Renewal Plan anticipates tax increment revenues beginning in FY 2013-14, and initial bonding for the Boones Ferry Road Phase 1 project in the FY 2015-16 to FY 2016-17 timeframe. Engineering costs beginning in 2013 would be funded from alternative funding sources.

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East End Redevelopment Plan			
Proposed Project Priorities			
April 2013			
		Updated Project	Project Cost
		Cost Estimates	Projections
		(2013 dollars) <sup>1</sup>	(nominal dollars)
<b>High Priority Projects</b>			
(Year of Expenditure based on current project funding schedule)			
H,J,T	Redevelopment Opportunities (North Anchor, Block 137, Hotel)	9,426,000	10,000,000
E	B Avenue (State St to 2nd St)	915,000	1,000,000
G	State Street pedestrian/bikeway (Pedestrian RR crossing)	60,000	60,000
V	Public Imp'ts & Beautification (Trolley Ticket Station Parking, Info Kiosk)	305,000	305,000
W	Facade Grants (thru 2020)	623,000	700,000
<b>Subtotal</b>		<b>11,329,000</b>	<b>12,065,000</b>
<b>Medium Priority Projects</b>			
(Assume a Year of Expenditure of 2020)			
C	Street Improvements (4th Street)	1,057,000	1,300,000
F	A Avenue extension (4th St to 6th St)	894,000	1,100,000
I	Blocks 48 and 49 (1st St revitalization)	3,903,000	4,800,000
K	Block 45 (Safeway site)	5,204,000	6,400,000
R	West of State Street (between B Ave and C Ave)	4,878,000	6,000,000
V	Public Improvements & Beautification	728,000	1,200,000
<b>Subtotal</b>		<b>16,664,000</b>	<b>20,800,000</b>
<b>Lower Priority Projects</b>			
(Assume a Year of Expenditure of 2025)			
C	Street Improvements (3rd Street)	772,000	1,100,000
D	Transit Center	1,403,000	2,000,000
E	B Avenue (2nd St to 5th St)	1,824,000	2,600,000
G	State Street pedestrian/bikeway	484,000	690,000
M	Block 46 (3rd St and A Ave)	1,543,000	2,200,000
O	Civic Center	772,000	1,100,000
P	Oswego Lakefront (Sundeleaf Plaza phase 2)	7,996,000	11,400,000
Q	West of State Street (between C Ave and E Ave)	3,647,000	5,200,000
S	East of State Street (between A Ave and B Ave)	484,000	750,000
U	Evergreen Housing Redevelopment Site	1,964,000	2,800,000
<b>Subtotal</b>		<b>20,889,000</b>	<b>29,840,000</b>
<b>Total Amended Plan Projects</b>		<b>48,882,000</b>	<b>62,705,000</b>
<b>Total Cost Estimate for Remaining Projects</b>			<b>\$62,705,000</b>
<b>Estimated Administrative Costs (thru 2025)</b>			<b>\$11,000,000</b>
<b>Total East End Costs Remaining (beginning July 1, 2013)</b>			<b>\$73,705,000</b>
<b>Remaining Maximum Indebtedness (estimated for June 30, 2013)</b>			<b>\$47,000,000</b>
<b>Balance to Complete Remaining Projects</b>			<b>-\$26,705,000</b>

<sup>1</sup> Estimates based on:

- Original 2004 estimates escalated at 3% per year to Year of Expenditure; or
- Revised 2013 estimates based on new information escalated at 3% per year to Year of Expenditure

North Anchor remaining project cost is net of \$7.3 M estimated expenditure through FY13.