



CAPITAL IMPROVEMENT PLAN

FY 2014/15 – 2018/19

Adopted June 3, 2014

City of Lake Oswego, Oregon

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Jon Gustafson
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Lauren Hughes
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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 2014-15 to 2018-19 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) Pavement Preservation
 - b) Roadway, Bridge and Streetlight Improvements
 - c) Intersections
 - d) Pathways
 - e) Bicycle/Pedestrian Pathways
3. Utilities
 - a) Water
 - b) Lake Oswego - Tigard Water Partnership
 - c) Surface water
 - d) Wastewater
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

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 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.

Related to our master planning efforts, the City of Portland is completing the Tryon Creek Wastewater Treatment Plant (TCWTP) Facility Plan Update. This update is intended to be completed by the end of the 2014-15 fiscal year. The facility plan update will identify future TCWTP 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 an equitable portion for those improvements based on a cost sharing methodology in our IGA with the City of Portland. It is anticipated that this 30-year old IGA will be updated to reflect current and anticipated responsibilities and obligations for TCWTP on behalf of Lake Oswego and Portland. Since the City of Lake Oswego does not own the TCWTP assets, the costs for improvement will be included under annual operating expenses associated with payments to the City of Portland for wastewater treatment services. Therefore, the Tryon Creek Wastewater Treatment Plant upgrades are not listed in the CIP.

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.

Public Works is continuing the implementation and expanding the use of our computerized maintenance management system (CMMS). The CMMS is an important and vital tool in managing the City's infrastructure assets efficiently and effectively. Public Works Operations is continuing to expand 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 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. 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

Continued 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

INTRODUCTION

While the previously stated factors are considered, each category is unique and requires tailored consideration when ranking the projects. In addition, projects are carefully reviewed and coordinated with other projects for opportunities to minimize construction impacts to residents and businesses, and/or take advantage of potential financial benefits associated with economies of scale. The following describes, in greater detail, the methodology that was used to prioritize each project on a category by category basis:

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

INTRODUCTION

Summary

There isn't a perfect formula for prioritizing capital improvement program projects. There are a lot of things to consider, such as minimizing risk in delivering reliable, sustainable lowest life cycle cost services. Much thought and consideration is involved throughout the CIP evaluation, prioritization and approval process, and involves many stakeholders, to ensure community needs are met.

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 \$133.3 million in funded investments for FY 2014-15. The CIP also plans for an additional \$70.9 million in potential funding for FY 2015-16 to FY 2018-19; 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 \$255.7 million in projects that are identified as a need but are not planned for 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 2014-15 as Budgeted

Fund	Budgeted for FY 2014-15
General	\$ 1,044,000
Tourism	74,000
Street	6,658,000
Water	555,000
Lake Oswego - Tigard Partnership	118,804,000
Wastewater	2,025,000
Surface Water	2,471,000
Transportation SDCs	1,225,000
Operations Building	475,000
Total	\$ 133,331,000

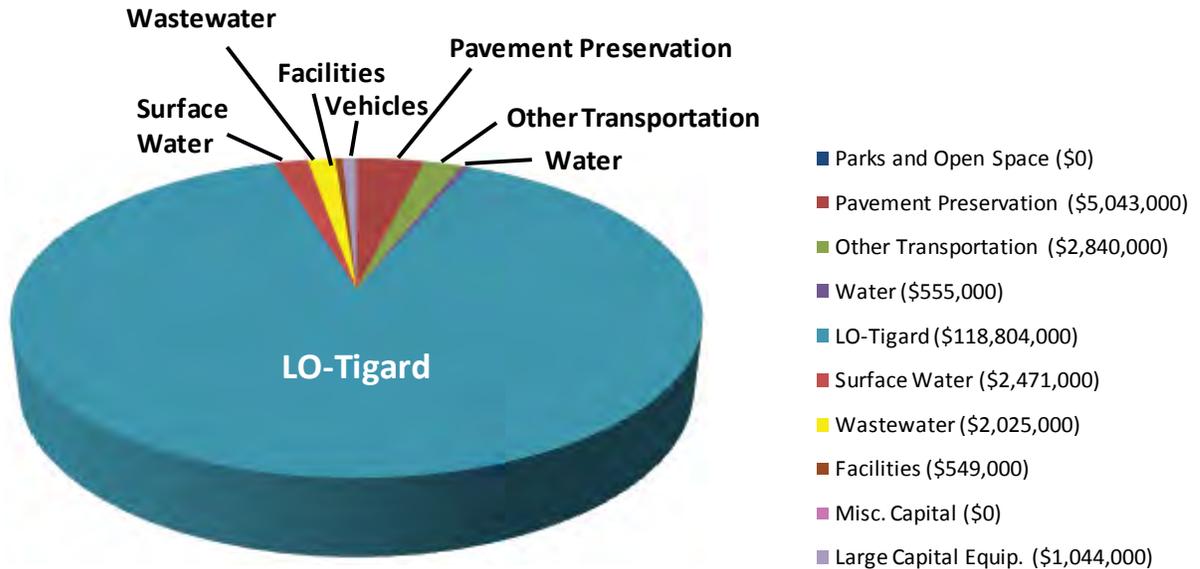
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Expenditure Summary for All Program Areas — FY 2014-15 to FY 2018-19

Program Area	Funds	Budgeted FY 2014-15	Projected for Funding FY 2015-16 to 2018-19	Unfunded
Parks and Open Space	General/Parks SDCs	\$ 0	\$ 0	\$ 7,780,000
Pavement Preservation	Street/General	5,043,000	12,426,000	14,598,000
Roadways	Street	1,800,000	24,935,000	77,545,000
Intersections	Street	50,000	435,000	580,000
Pathways	Street/Transp. SDCs	990,000	1,390,000	20,692,000
Bicycle/Pedestrian	Bicycle	0	140,000	10,046,000
Water	Water	555,000	2,625,000	44,120,000
LO-Tigard	Water/Water SDCs	118,804,000	20,560,000	0
Surface Water	Surface Water	2,471,000	2,004,000	11,866,000
Wastewater	Wastewater	2,025,000	4,735,000	58,748,200
Facilities	General/Tourism	549,000	950,000	6,151,800
Miscellaneous Capital	General	0	0	2,100,000
Large Capital Equipment	General/Utility Funds	1,044,000	890,000	1,442,000
Totals		\$133,331,000	\$70,910,000	\$255,669,000

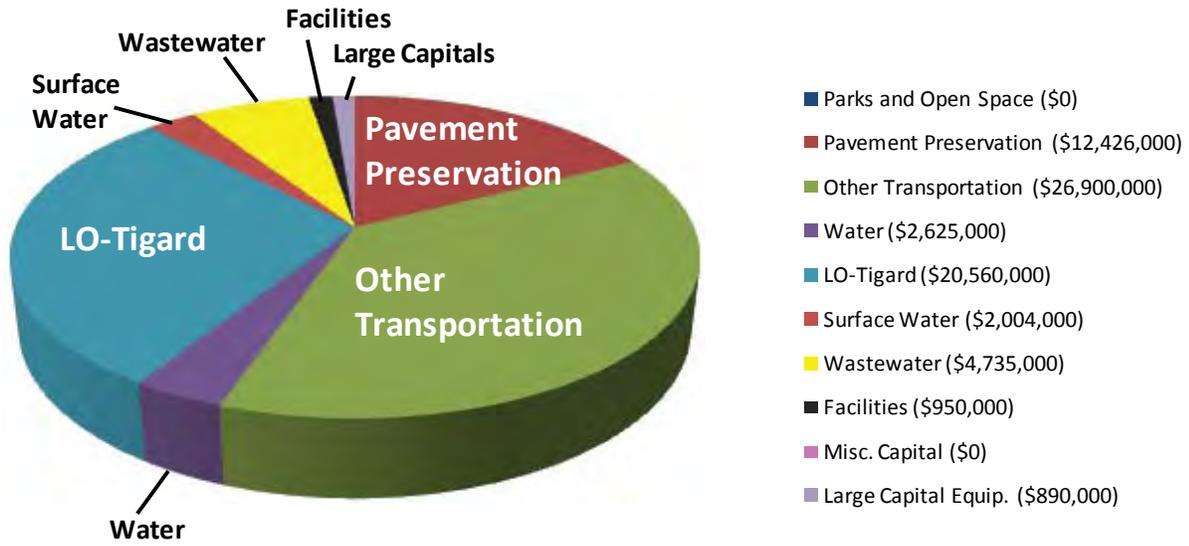
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Expenditure Graph for All Program Areas
Budgeted (FY 2014-15):



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Projected for Funding (FY 2015-16 to FY 2018-19):



FUNDING PLAN SUMMARY

City of Lake Oswego 5-Year Capital Improvement Plan FY 2014/15 - 2018/19

Parks and Open Space	Funding Source	Budgeted 2014-15	Projected				Total
			2015-16	2016-17	2017-18	2018-19	
Funded/Projected							
No Funded Projects							0
Total			0	0	0	0	0

Unfunded	Rank	Funding Source	Budgeted 2014-15	2015-16	2016-17	2017-18	2018-19	Total
George Rogers Bathroom & Storage Replacement (Potential for Funding: Requested for FY 2015-16)	1	General						546,000
Pilkington Park Restrooms (Potential for Funding: Requested for FY 2017-18)	2	General/SDC						189,000
Trails (Areas A, E, F, H, I, J, and K from Luscher Farm Master Plan)	3	General						433,000
Luscher Farm Restoration Projects (Areas A, E, F, H, I, J, and K)	4	General/SDC						783,000
Tryon Creek Pedestrian Bridge (RTP)	5	General/SDC						1,854,000
Roehr Park Pathway	6	General/SDC						378,000
George Rogers Park - Ladd Street/Phases 5 & 6	7	General/SDC						2,812,000
LO-Milwaukie (RTP - Design Only)	8	General/Grant						100,000
Turf to Surf Rail with Trail (RTP - Design Only)	9	General/Grant						150,000
B Avenue Plaza at Foothills Park	10	TBD						535,000
Total			0	0	0	0	0	7,780,000

Transportation	Funding Source	Budgeted 2014-15	Projected				Total
			2015-16	2016-17	2017-18	2018-19	
Pavement Preservation							
Funded/Projected							
Citywide Resurfacing, Crack Sealing, and Patching (Assumes a General Fund Transfer of \$1,107,000 to the Street Fund for FY 2014-15 and a \$800,000 General Fund transfer from FY 2015-16 to FY 2018-19)	General	457,000	800,000	800,000	800,000	1,600,000	4,457,000
B Avenue Street (50% Funded by General Fund & 50% Funded by LO-Tigard Partnership. The General Fund's share comes from the Citywide Resurfacing, Crack Sealing, and Patching item since this is a pavement preservation project)	General	650,000					650,000
Kerr Parkway Rehabilitation Project	Street	3,200,000					3,200,000
Westlake Dr Repaving Project	Street	596,000					596,000
Upper Boones Ferry Road Rehabilitation Project	Street	140,000	885,000				1,025,000
Jefferson Parkway Rehabilitation Project	Street		186,000	1,537,000			1,723,000

FUNDING PLAN SUMMARY

				—————Projected—————					
Pavement Preservation (Cont.)		Funding Source	Budgeted 2014-15	2015-16	2016-17	2017-18	2018-19	Total	
Funded		Rank							
D Avenue Rehabilitation Project		Street		200,000	686,000			886,000	
Country Club Road Rehabilitation Project		Street			165,000	1,094,000		1,259,000	
Wembley Park Rd Rehabilitation Project		Street			259,000	1,688,000		1,947,000	
Blue Heron Rd Rehabilitation & Drainage Improvements		Street				101,000	477,000	578,000	
Lake Oswego Transit Center (4th St. & B Ave.)		Street				104,000	1,044,000	1,148,000	
Total				5,043,000	2,071,000	3,447,000	3,787,000	3,121,000	17,469,000
Unfunded		Rank							
Citywide Resurfacing, Crack Sealing, and Patching (Additional Capital Needed for a Citywide Pavement Condition Index rating of 70 through FY 2018-19)	1	Street						8,300,000	
Lakeview Blvd Street and Drainage Improvements	2	Street						4,082,000	
Firwood Road Reconstruction	3	Street						2,216,000	
				0	0	0	0	0	14,598,000
				—————Projected—————					
Roadway, Bridge and Streetlight Improvements		Funding Source	Budgeted 2014-15	2015-16	2016-17	2017-18	2018-19	Total	
Funded/Projected									
Boones Ferry Road Improvements - Phase I (Total Project Cost of \$26.9 million)		Bonds/Grant/SDCs/TIF	1,600,000	4,970,000	7,441,000	9,815,000	2,709,000	26,535,000	
LED Lights - Phase 2a (Retrofits 789 streetlights with payback of less than 4 years)		Street	200,000					200,000	
Total			1,800,000	4,970,000	7,441,000	9,815,000	2,709,000	26,735,000	
Unfunded		Rank							
Red Fox Hills Streetlight Pole Replacements	1	Street						67,000	
LED Lights - Phase 2b (Retrofits 1,300 streetlights with payback of about 11 years)	2	TBD						900,000	
Bridge Repair & Replacement Fund - Citywide (Placeholder cost - Bridge Analysis anticipated for funding in FY 2014-15)	3	Street						50,000,000	
West Sunset Extension	4	TBD						1,339,000	
Tryon Creek Bridge and Culvert Replacement	5	Street						14,400,000	
Foothills Road Phase I from A to B Avenues (Foothills Project)	6	SDC/Dev						2,874,000	
Foothills Road Phase II North of B Avenue (Foothills Project)	7	SDC/Dev						1,634,000	
B Avenue Phase I (Foothills Project)	8	SDC/Dev						2,978,000	
B Avenue Phase II (Foothills Project)	9	SDC/Dev						1,675,000	
North Portal between D and E Avenues (Foothills)	10	SDC/Dev						1,678,000	
Total			0	0	0	0	0	77,545,000	

FUNDING PLAN SUMMARY

			—————Projected—————					
Intersections	Funding Source	Budgeted 2014-15	2015-16	2016-17	2017-18	2018-19	Total	
Funded/Projected								
Citywide Intersection Signalization Improvements	Street	50,000	50,000	70,000	70,000	70,000	310,000	
Traffic Sign Retroreflectivity	Street		88,000	87,000			175,000	
Total		50,000	138,000	157,000	70,000	70,000	485,000	
Unfunded								
		Rank						
6 Corner Intersection Alignment Improvements	1	Street					580,000	
Total		0	0	0	0	0	580,000	
			—————Projected—————					
Pathways	Funding Source	Budgeted 2014-15	2015-16	2016-17	2017-18	2018-19	Total	
Funded/Projected								
ADA Sidewalk Ramp Retrofit Program	Street	30,000	50,000	80,000	80,000	80,000	320,000	
Laurel-Hallinan Pathway Project	Street SDCs	960,000	1,100,000				2,060,000	
Total		990,000	1,150,000	80,000	80,000	80,000	2,380,000	
Unfunded								
		Rank						
E Avenue Pathway	TBD-TSP	Street					546,000	
Cherry Lane Pathway	TBD-TSP	Street					97,000	
Douglas Way Sidewalk	TBD-TSP	Street					470,000	
Lanewood St-Douglas Circle Sidewalk & Pathway	TBD-TSP	Street					367,000	
Mercantile Dr Sidewalk	TBD-TSP	Street					274,000	
Daniel Way Sidewalk	TBD-TSP	Street					200,000	
Twin Fir Rd Pathway - Upper Drive & Boones Ferry Rd	TBD-TSP	Street					1,846,000	
Glenmorrie Dr (east) Pathway - Hwy 43 to Old River Rd	TBD-TSP	Street					897,000	
Fernwood Dr - South Shore to Marjorie	TBD-TSP	Street					889,000	
Boca Ratan Dr Sidewalk - Atwater to Bonniebrae	TBD-TSP	Street					352,000	
Willamette River Greenway Trail - LO-Portland- Total project cost is \$47.8 million & \$4,769,000 is LO's share of 10% if a RTP grant was awarded	TBD-TSP	Street					4,769,000	
Oak St Pathway - McVey to Palisades Terrace Dr	TBD-TSP	Street					136,000	
Waluga Drive Pathway - Oakridge to Madrona	TBD-TSP	Street					288,000	
Tree Top Lane Sidewalk - Overlook to Fernwood	TBD-TSP	Street					180,000	
Meadowlark Lane Sidewalk - Overlook Dr to Ridge Pointe Dr	TBD-TSP	Street					247,000	
Kelok Pathway	TBD-TSP	Street					1,500,000	
Timberline Dr. Sidewalk - Knaus to Bonniebrae Dr Sidewalk	TBD-TSP	Street					468,000	
Goodall Road Pathway - Knaus to Country Club Pathway	TBD-TSP	Street					860,000	
Fir Ridge Rd Sidewalk	TBD-TSP	Street					114,000	
Greentree Rd Sidewalk	TBD-TSP	Street					702,000	

FUNDING PLAN SUMMARY

Pathways (cont.)	Funding Source	Budgeted 2014-15	Projected				Total
			2015-16	2016-17	2017-18	2018-19	
Unfunded							
Palisades Crest Driveway - Hillside Dr to Cooks Butte Park	TBD-TSP	Street					150,000
Library to ACC Pathway	TBD-TSP	Street					322,000
Childs Rd Pathway - Canal Acres to Sycamore	TBD-TSP	Street					397,000
Knaus Rd Pathway-Boones Ferry Rd to Country Club Rd	TBD-TSP	Street					450,000
Westview Dr Sidwalk - Greentree Rd & South Shore Blvd	TBD-TSP	Street					907,000
Washington Court Pathway	TBD-TSP	Street					503,000
Canyon Dr Pathway	TBD-TSP	Street					565,000
Willamette Steps	TBD-TSP	Street					2,196,000
Total			0	0	0	0	0 20,692,000

Bicycle Pedestrian Pathways	Funding Source	Budgeted 2014-15	Projected				Total
			2015-16	2016-17	2017-18	2018-19	
Funded/Projected							
City Wide Bicycle/Pedestrian Pathway Projects		Bicycle			140,000		140,000
Total			0	0	0 140,000	0	140,000

Unfunded	Rank		Budgeted 2014-15	Projected				Total
				2015-16	2016-17	2017-18	2018-19	
Boones Ferry Road Sidewalks and Bike Lanes - Country Club to Northern City Limits -Total project cost is \$9.9 million & \$990,000 is LO's share of 10% if a Regional Transportation Program (RTP) grant awarded by METRO	TBD-TSP	Bicycle					990,000	
Hwy 43 Bike Lanes - Terwilliger to Oak St -Total project cost is \$7.8 million & \$781,000 is LO's share of 10% if a RTP grant was awarded.	TBD-TSP	Bicycle					781,000	
Iron Mtn Blvd - Upper Drive Bike Lanes	TBD-TSP	Bicycle					6,882,000	
Bryant Road Bike Lanes and Sidewalk - Boones Ferry Rd to Childs Rd-Total project cost is \$10.2 million & LO's share of 10% if a RTP grant was awarded.	TBD-TSP	Bicycle					1,022,000	
Carmen Drive Sidewalks & Bike Lanes - Kruse Way to I-5-Total project cost is \$3.7 million & \$371,000 is LO's share of 10% if a RTP grant was awarded.	TBD-TSP	Bicycle					371,000	
Total			0	0	0	0	0 10,046,000	

Water	Funding Source	Budgeted 2014-15	Projected				Total
			2015-16	2016-17	2017-18	2018-19	
Funded/Projected							
Cervantes Waterline Pipe Replacement		Water	500,000				500,000
10th Street & McVey Pump Station Electrical		Water	20,000	107,000			127,000
Waluga Reservoir 1 Repair in Conjunction w/ LO-Tigard		Water	25,000				25,000

FUNDING PLAN SUMMARY

		Projected						
Water (cont.)		Funding Source	Budgeted 2014-15	2015-16	2016-17	2017-18	2018-19	Total
Funded	Rank							
Summit Radio Telemetry System Upgrade		Water	10,000					10,000
Annual Water Rehabilitation Program		Water		200,000	200,000	1,500,000		1,900,000
Touchstone Reservoir Pump Station Impv.		Water			618,000			618,000
Total			555,000	307,000	818,000	1,500,000	0	3,180,000

Unfunded	Rank	Funding Source	Budgeted 2014-15	2015-16	2016-17	2017-18	2018-19	Total
Pipe, Reservoir, & Pump Station Improvements- Placeholder cost 20- years, based on 2001 Master Plan	1	Water						40,000,000
Automatic Meter Reading Infrastructure	2	Water						4,120,000
Total			0	0	0	0	0	44,120,000

		Projected						
Lake Oswego-Tigard Water Supply Expansion		Funding Source	Budgeted 2014-15	2015-16	2016-17	2017-18	2018-19	Total
Funded/Projected								
Lake Oswego-Tigard Water Supply Expansion		LO-Tigard	118,804,000	20,384,000	176,000			139,364,000
Total			118,804,000	20,384,000	176,000	0	0	139,364,000

		Projected						
Surface Water		Funding Source	Budgeted 2014-15	2015-16	2016-17	2017-18	2018-19	Total
Funded/Projected								
Annual Catch Basin Retrofits		Surface Water	20,000	20,000	81,000	61,000	81,000	263,000
Small Works Drainage Improvements		Surface Water	20,000	20,000	81,000	61,000	81,000	263,000
Rockinghorse Lane Drainage Improvements		Surface Water	648,000					648,000
Kerr Parkway Drainage Improvement		Surface Water	313,000					313,000
Ash Street		Surface Water	185,000					185,000
B Avenue Storm System Upgrade (Assumes Borrowing \$625,000 from the General Fund for one year to be paid back in FY 2015-16)		Surface Water	1,285,000					1,285,000
D Avenue Storm Drainage Infrastructure		Surface Water		121,000	657,000			778,000
Wembley Park/Crest Drive Drainage Improvements		Surface Water				209,000		209,000
Blue Heron Rd Rehabilitation and Drainage Improvements		Surface Water				93,000	438,000	531,000
Total			2,471,000	161,000	819,000	424,000	600,000	4,475,000

FUNDING PLAN SUMMARY

Surface Water (cont.)	Rank	Funding Source	Budgeted					Total
			2014-15	2015-16	2016-17	2017-18	2018-19	
Ash Street to ODOT Drainage Improvements	1	Surface Water						116,000
Cornell to Oak Street Storm Replacement Project	2	Surface Water						157,000
Redfern Avenue Drainage Improvements	3	Surface Water						156,000
Lakeview Blvd Roadway and Drainage Improvements	4	Surface Water						531,000
Outfall Inventory and Restoration	5	Surface Water						266,000
Underground Injection Control (UIC), Permitting & Retrofits	6	Surface Water						1,286,000
Douglas Circle Drainage Improvements	7	Surface Water						381,000
Dolph Court-Country Club Culvert Crossings	8	Surface Water						422,000
Upper Drive - West of Bryant	9	Surface Water						316,000
Bryant Road Drainage Improvements	10	Surface Water						170,000
Tanglewood Drive Water Quality Detention	11	Surface Water						136,000
Preakness Court Water Quality Detention	12	Surface Water						136,000
Elizabeth Gress Park - Sediment Control/Restoration	13	Surface Water						219,000
Southwood Park Detention	14	Surface Water						131,000
Eena Rd Drainage Improvements	15	Surface Water						235,000
Bayberry-Andrews Rd Drainage Improvements	16	Surface Water						586,000
Regional Water Quality Facility Retrofit	17	Surface Water						361,000
Sediment Basin Retrofits	18	Surface Water						392,000
Springbrook Creek Culvert Evaluation	19	Surface Water						362,000
Churchill Downs Drainage Improvements	20	Surface Water						51,000
Touchstone Dr Drainage Improvements	21	Surface Water						86,000
Cherry Crest Detention - Water Quality Treatment Facility	22	Surface Water						597,000
Regional Stormwater Facility-Bergis/Stafford Rd	23	Surface Water						651,000
Melrose Street Tributary Rehabilitation	24	Surface Water						257,000

FUNDING PLAN SUMMARY

			—————Projected—————					
Surface Water (cont.)		Funding Source	Budgeted 2014-15	2015-16	2016-17	2017-18	2018-19	Total
Unfunded								
Lower Boones Ferry Rd - Lake Grove UGB	25	Surface Water						3,165,000
Water Reservoir Disconnect	26	Surface Water						700,000
Total			0	0	0	0	0	11,866,000

			—————Projected—————					
Wastewater		Funding Source	Budgeted 2014-15	2015-16	2016-17	2017-18	2018-19	Total
Funded/Projected								
Iron Mountain Sanitary Sewer and Pedestrian Bridge		Wastewater	315,000	45,000				360,000
Small Pump Station Upgrades - 3 Locations (PS-1)		Wastewater	900,000					900,000
Marylhurst Pump Station (PS-2)		Wastewater	310,000	1,545,000				1,855,000
Lake Bay Court Wastewater Rehabilitation		Wastewater	400,000					400,000
Terwilliger Blvd - Project Led by the City of Portland		Wastewater	100,000					100,000
Forest Highlands Trunk 1 (T-FH-1)		Wastewater			400,000	1,645,000		2,045,000
System Wide Pipe Repairs		Wastewater			100,000	500,000	500,000	1,100,000
Total			2,025,000	1,590,000	500,000	2,145,000	500,000	6,760,000

Unfunded		Rank						
I/I Reduction Program - Priority A Projects (G-3)	1	Wastewater						22,309,800
Blue Heron Trunk (T-BH-1 & T-BH-2)	2	Wastewater						2,305,140
Downtown Trunk 1 (T-DWN-1 & T-DWN-2)	2	Wastewater						586,070
East Mountain Park Trunk 2 (T-EMP-2 & T-EMP-3)	2	Wastewater						3,296,000
McVey Trunk (T-MCV-1 & T-MCV-2)	2	Wastewater						1,499,680
Riverfront Trunk 1 (T-RF-1)	2	Wastewater						78,280
Other Pipeline Repair Projects for Major Collectors (P-1)	2	Wastewater						3,620,450
Downtown Trunk 2 (T-DWN-3 & T-DWN-4)	3	Wastewater						126,690
Foothills Road Interceptor (T-L1-1)	3	Wastewater						416,120
Foothills Road Pump Station (PS-4)	3	Wastewater						409,940
Riverfront Trunk 2 (T-RF-2)	3	Wastewater						402,730
South Shore Trunk (T-SS-1)	3	Wastewater						264,710
Telemetry Feasibility Study and Implementation (PS-5)	3	Wastewater						407,880
West Mountain Park Trunk (T-WMP-1)	3	Wastewater						489,250
Willamette Pump Station (PS-3)	3	Wastewater						682,890
Flow Data Tracking (PS-6)	3	Wastewater						273,980

FUNDING PLAN SUMMARY

Wastewater (cont.)	Funding Source	Budgeted 2014-15	Projected				Total
			2015-16	2016-17	2017-18	2018-19	
Unfunded	Rank						
L5 Basin Trunk (T-L5-1)	4	Wastewater					96,820
Lakewood Trunk (T-LW-1)	4	Wastewater					167,890
East Mountain Park Trunk 1 (T-EMP-1)	4	Wastewater					262,650
Forest Highlands Trunk 2 (T-FH-2)	5	Wastewater					17,510
I/I Reduction Program - Priority B Projects (G-3)	5	Wastewater					15,835,000
L4 Trunk (T-L4-1)	5	Wastewater					175,100
New Pump Station (PS-7)	5	Wastewater					1,013,520
South Lake Trunk (T-SL-1)	5	Wastewater					79,310
Canal Trunk (T-CAN-1 & P-CAN-1)	6	Wastewater					1,729,370
Southwood Trunk (P-SW-1)	6	Wastewater					426,420
Relocate Storm and Sanitary Sewer Mains	7	Wastewater					1,070,000
Rebuild Lift Station and Pressure Mains	7	Wastewater					705,000
Total			0	0	0	0	58,748,200
Facilities	Funding Source	Budgeted 2014-15	2015-16	2016-17	2017-18	2018-19	Total
Funded/Projected							
Iron Worker's Cottage - Phases 3 and 4	Tourism	74,000					74,000
Operations Facilities Replacement- total cost \$13 million	Operations	475,000					475,000
Library Improvements	Library Set Asides		950,000				950,000
Total		549,000	950,000	0	0	0	1,499,000
Unfunded	Rank						
City Hall Repairs	1	TBD					3,000,000
South Shore Fire Station - Construction	2	TBD					3,151,800
Total			0	0	0	0	6,151,800
Miscellaneous Capital	Funding Source	Budgeted 2014-15	2015-16	2016-17	2017-18	2018-19	Total
Funded/Projected							
No Funded Projects							0
Total		0	0	0	0	0	0
Unfunded	Rank						
Public Safety Systems Radio Upgrade for Police (Potential Funding Requested for 2017-18)	1	General					2,100,000
Total			0	0	0	0	2,100,000
Large Capital Equipment	Funding Source	Budgeted 2014-15	2015-16	2016-17	2017-18	2018-19	Total
Funded/Projected							
Fire - Fire Truck 211	General	1,044,000					1,044,000
Street Sweepers	Surface Water			250,000		280,000	530,000
Operations - High Pressure Cleaner	Wastewater		360,000				360,000
Total		1,044,000	360,000	250,000	0	280,000	1,934,000

FUNDING PLAN SUMMARY

Large Capital Equipment (cont.)		Funding Source	Budgeted 2014-15	Projected				Total
				2015-16	2016-17	2017-18	2018-19	
Unfunded								
Fire Truck 212 (Potential for Funding: Requested for FY 2015-16)	1	General						689,000
Fire Truck 210 (Potential for Funding: Requested for FY 2018-19)	2	General						753,000
Total			0	0	0	0	0	1,442,000

Total Budgeted CIP Projects for FY 2014-15: \$133,331,000

FUNDING PLAN SUMMARY

PARKS & OPEN SPACE

Parks and Open Space	Funding Source	Budgeted 2014-15	Projected				Total
			2015-16	2016-17	2017-18	2018-19	
Funded/Projected							
No Funded Projects							0
Total		0	0	0	0	0	0
Unfunded							
	Rank						
George Rogers Bathroom & Storage Replacement-Potential for Funding: Requested for FY 2015-16	1	General					546,000
Pilkington Park Restrooms -Potential for Funding: Requested for FY 2017-18	2	General/SDC					189,000
Trails (Areas A, E, F, H, I, J, and K from Luscher Farm Master Plan)	3	General					433,000
Luscher Farm Restoration Projects (Areas A, E, F, H, I, J, & K)	4	General/SDC					783,000
Tryon Creek Pedestrian Bridge (RTP)	5	General/SDC					1,854,000
Roehr Park Pathway	6	General/SDC					378,000
George Rogers Park - Ladd Street/Phases 5 & 6	7	General/SDC					2,812,000
LO-Milwaukie (RTP - Design Only)	8	General/Grant					100,000
Turf to Surf Rail with Trail (RTP - Design Only)	9	General/Grant					150,000
B Avenue Plaza at Foothills Park	10	TBD					535,000
Total			0	0	0	0	7,780,000

PARKS & OPEN SPACE

Parks and Open Space

Unfunded	Total
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Project Name:	George Rogers Bathroom & Storage Replacement	\$546,000
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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.

Project Name:	Pilkington Park Restrooms	\$189,000
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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.

Project Name:	Trails	\$433,000
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Project Description: The Luscher Area Trails connect park facilities within the Luscher Areas site. The trails makes it easy for park users and staff to utilize and maintain the 151+ acre park. Trail projects are based on areas within the plan. The cost breakdown for trails are; Area A - \$44,000, Area B - \$54,500, Area F - \$12,500, Area H - \$169,000, Area I - \$125,000, and Area J - \$28,000.

Project Name:	Luscher Farm Restoration Projects	\$783,000
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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 - \$21,000; Active Rec Area, Area B - \$88,000; Luscher Historic Core, Area E - \$41,000, Firline Farm/Crowell, Area H - \$20,000, Brock Property, Area I - \$487,000; Rassekh Property, Area J - \$36,000; and Stevens Meadow, Area K - \$90,000. Restoration involves clearing invasive species, erosion control, planting native species, some grading, and installation of boardwalks, interpretive signage and minor furnishings.

PARKS & OPEN SPACE

Parks and Open Space (cont.)

Unfunded	Total
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Project Name:	Tryon Creek Pedestrian Bridge	\$1,854,000
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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.

Project Name:	Roehr Park Pathway	\$378,000
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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.

Project Name:	George Rogers Park - Ladd Street/Phases 5 & 6	\$2,812,000
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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 ball fields, tennis courts, and children's play area. Additional improvements include ADA accessibility to the athletic fields, tennis courts, picnic shelters and playground; dark sky ball field lighting, bleacher replacement, new children's playground, picnic shelter replacement, and pedestrian entry to the park at Lake and State Streets.

PARKS & OPEN SPACE

Parks and Open Space (cont.)

Unfunded	Total
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Project Name:	Lake Oswego to Milwaukie Regional Trail	\$100,000
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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.

Project Name:	Turf to Surf Regional Trail	\$150,000
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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.

Project Name:	B Avenue Plaza at Foothills Park	\$535,000
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Project Description: At the eastern terminus of B Avenue, 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 Avenue.

TRANSPORTATION - PAVEMENT PRESERVATION

Pavement Preservation	Funding Source	Budgeted	Projected				Total
			2014-15	2015-16	2016-17	2017-18	
Funded/Projected							
Citywide Resurfacing, Crack Sealing, and Patching- assumes a General Fund Transfer of \$1,107,000 to the Street Fund for FY 2014-15 and a \$800,000 General Fund transfer from FY 2015-16 to FY 2018-19	General	457,000	800,000	800,000	800,000	1,600,000	4,457,000
B Avenue Street -50% Funded by General Fund & 50% Funded by LO-Tigard Partnership. The General Fund's share comes from the Citywide Resurfacing, Crack Sealing, and Patching item since this is a pavement preservation project	General	650,000					650,000
Kerr Parkway Rehabilitation	Street	3,200,000					3,200,000
Westlake Dr Repaving	Street	596,000					596,000
Upper Boones Ferry Road Rehabilitation	Street	140,000	885,000				1,025,000
Jefferson Parkway Rehabilitation	Street		186,000	1,537,000			1,723,000
D Avenue Rehabilitation	Street		200,000	686,000			886,000
Country Club Road Rehabilitation	Street			165,000	1,094,000		1,259,000
Wembley Park Rd Rehabilitation	Street			259,000	1,688,000		1,947,000
Blue Heron Rd Rehabilitation & Drainage Improvements	Street				101,000	477,000	578,000
Lake Oswego Transit Center (4th St. & B Ave.)	Street				104,000	1,044,000	1,148,000
Total		5,043,000	2,071,000	3,447,000	3,787,000	3,121,000	17,469,000

Unfunded		Funding Source	Projected				Total
			2014-15	2015-16	2016-17	2017-18	
Citywide Resurfacing, Crack Sealing, and Patching- additional Capital Needed for a Citywide Pavement Condition Index rating of 70 through FY 2018-19	1	Street					8,300,000
Lakeview Blvd Street and Drainage Improvements	2	Street					4,082,000
Firwood Road Reconstruction	3	Street					2,216,000
Total							14,598,000

TRANSPORTATION - PAVEMENT PRESERVATION

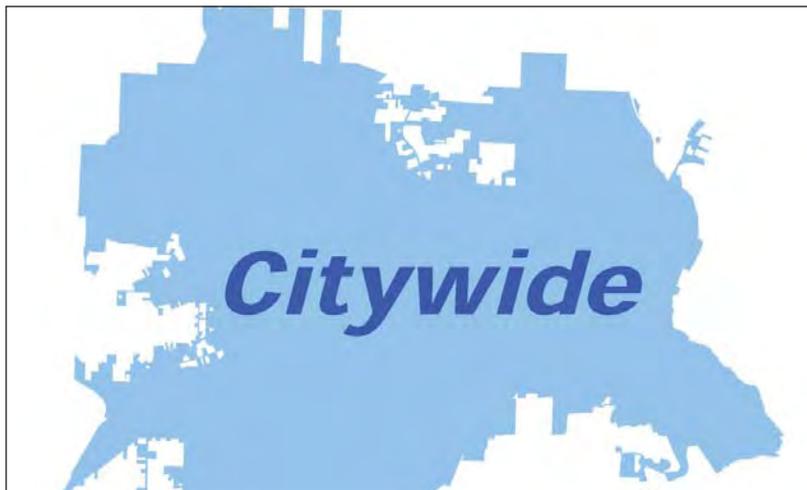
Project Name: **Citywide Resurfacing, Crack Sealing, and Patching**

Project Description: This program encompasses preventative maintenance, rehabilitation, and reconstruction of the City’s street network. The program is funded using the revenues from the City’s Street Maintenance Fee. Streets selected for treatment are chosen based upon a tri-annual pavement condition assessment and/or the coordination with other Capital Improvement Projects.

Funded/Unfunded: Funded

Estimated Completion Date: Annual

Justification: Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
General	Operating	457	800	800	800	1,600	4,457
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$457	\$800	\$800	\$800	\$1,600	\$4,457
Expenses	Design	70	120	120	120	240	670
	Proj. Admin	35	40	40	40	80	235
	Construction	352	640	640	640	1,280	3,552
							-
Expenses Total		\$457	\$800	\$800	\$800	\$1,600	\$4,457

TRANSPORTATION - PAVEMENT PRESERVATION

Project Name: B Avenue Street

Project Description: This project would rehabilitate/reconstruct the roadway of B Avenue between State St. and 10th St., not including the section of B Ave between 4th and 5th St. That section is part of the Lake Oswego Transit Center project. This is the roadway component of the B Avenue Storm System and Street Upgrade project (see Surface Water).

Funded/Unfunded: Funded

Estimated Completion

Date: 2015

Justification: Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
General	Operating	650					650
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$650	\$-	\$-	\$-	\$-	\$650
Expenses	Design	98					98
	Proj. Admin	33					33
	Construction	519					519
Expenses Total		\$650	\$-	\$-	\$-	\$-	\$650

TRANSPORTATION - PAVEMENT PRESERVATION

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 (see Kerr Parkway Drainage Improvement under surface water), 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.

Funded/Unfunded: Funded

Estimated Completion

Date: 2014

Justification: Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Street	Operating	3,200					3,200
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$3,200	\$-	\$-	\$-	\$-	\$3,200
Expenses	Design	280					280
	Proj. Admin	100					100
	Construction	2,820					2,820
							-
Expenses Total		\$3,200	\$-	\$-	\$-	\$-	\$3,200

TRANSPORTATION - PAVEMENT PRESERVATION

Project Name: Westlake Drive Repaving Project

Project Description: This project will repave the roadway from Kruse Way to Melrose. Some ADA improvements may be required. Minor surface water improvements will be made. Design will be completed in FY 2013/14.

Funded/Unfunded: Funded

Estimated Completion Date: 2014

Justification: Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Street	Operating	596					596
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$596	\$-	\$-	\$-	\$-	\$596
Expenses	Design	15					15
	Proj. Admin	27					27
	Construction	554					554
Expenses Total		\$596	\$-	\$-	\$-	\$-	\$596

TRANSPORTATION - PAVEMENT PRESERVATION

Project Name: Upper Boones Ferry Rehabilitation Project

Project Description: This project will repave the roadway along Upper Boones Ferry Rd. from the driveway of Oswego Towne Square to the Country Club Road/Kerr Parkway intersection. Approximately 150 foot section of sidewalk (east side) will be added just north of the Knaus Road intersection. This sidewalk will connect to an existing sidewalk. Minor stormwater facility improvements may be required.

Funded/Unfunded: Funded

Estimated Completion

Date: 2015

Justification: Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Street	Operating	140	885				1,025
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$140	\$885	\$-	\$-	\$-	\$1,025
Expenses	Design	115	160				275
	Proj. Admin	25	60				85
	Construction		665				665
Expenses Total		\$140	\$885	\$-	\$-	\$-	\$1,025

TRANSPORTATION - PAVEMENT PRESERVATION

Project Name: Jefferson Parkway Rehabilitation Project

Project Description: This project will repave Jefferson Parkway from Fosberg to Kerr Parkway. Stormwater facility improvements may be required.

Funded/Unfunded: Funded

Estimated Completion Date: 2016

Justification: Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Street	Operating		186	1,537			1,723
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$-	\$186	\$1,537	\$-	\$-	\$1,723
Expenses	Design		161	23			184
	Proj. Admin		25	34			59
	Construction			1,480			1,480
							-
Expenses Total		\$-	\$186	\$1,537	\$-	\$-	\$1,723

TRANSPORTATION - PAVEMENT PRESERVATION

Project Name: **D Avenue Rehabilitation Project**

Project Description: This project will rehabilitate/reconstruct the roadway of D Ave. from State St. to 10th St. in conjunction with the D Avenue Storm Drainage Improvements project (see Surface Water).

Funded/Unfunded: Funded

Estimated Completion Date: 2016

Justification: Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Street	Operating		200	686			886
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$-	\$200	\$686	\$-	\$-	\$886
Expenses	Design		160	100			260
	Proj. Admin		40	34			74
	Construction			552			552
Expenses Total		\$-	\$200	\$686	\$-	\$-	\$886

TRANSPORTATION - PAVEMENT PRESERVATION

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: 2018

Justification: Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Street	Operating				165	1,094	1,259
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$-	\$-	\$-	\$165	\$1,094	\$1,259
Expenses	Design				133	25	158
	Proj. Admin				32	20	52
	Construction					1,049	1,049
							-
Expenses Total		\$-	\$-	\$-	\$165	\$1,094	\$1,259

TRANSPORTATION - PAVEMENT PRESERVATION

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. Stormwater facilities will also be improved.
Funded/Unfunded: Funded
Estimated Completion Date: 2017
Justification: Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Street	Operating			259	1,688		1,947
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$-	\$-	\$259	\$1,688	\$-	\$1,947
Expenses	Design			217	26		243
	Proj. Admin			42	39		81
	Construction				1,623		1,623
							-
Expenses Total		\$-	\$-	\$259	\$1,688	\$-	\$1,947

TRANSPORTATION - PAVEMENT PRESERVATION

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	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Street	Operating				101	477	578
	SDC's						
	Bonds						-
	Grants						-
Resources Total		\$-	\$-	\$-	\$101	\$477	\$578
Expenses	Design				77	12	89
	Proj. Admin				24	20	44
	Construction					445	445
Expenses Total		\$-	\$-	\$-	\$101	\$477	\$578

TRANSPORTATION - PAVEMENT PRESERVATION

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, adding some 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. the expense total shown below does not include the LORA share of the project.

Funded/Unfunded: Funded

Estimated Completion

Date: 2018

Justification: Asset Management/ADA Improvements



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Street	Operating				104	1,044	1,148
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$-	\$-	\$-	\$104	\$1,044	\$1,148
Expenses	Design				85	29	114
	Proj. Admin				19	19	38
	Construction					996	996
							-
Expenses Total		\$-	\$-	\$-	\$104	\$1,044	\$1,148

TRANSPORTATION - PAVEMENT PRESERVATION

Pavement Preservation

Unfunded	Total
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Project Name: **Citywide Resurfacing, Crack Sealing, and Patching** \$8,300,000

Project Description: This program encompasses preventative maintenance, rehabilitation, and reconstruction of the City's street network. The City would need to invest an additional \$8.3 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 2018-19. This would equate to additional needed funding of about \$1.7 million per year over the next five years. This number is based on condition assessments that were conducted in 2013 and construction costs calculated through the City's asset management system software for street preservation.

Project Name: **Lakeview Blvd Street and Drainage Improvements** \$4,082,000

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.

Project Name: **Firwood Road Reconstruction** \$2,216,000

Project Description: This project will reconstruct 2,100' of Firwood Road. Assume 11 to 12' travel lanes, 6' bike lanes, and 5 to 6' wide separated concrete sidewalks on both sides of the roadway. Project will include a storm drainage system, connecting to existing system in Boones Ferry Road or Bryant Road. R/W acquisition necessary in some areas. Project will also require removal of large trees and some on-street parking. Portions will be subject to road transfer from Clackamas County.

TRANSPORTATION - PAVEMENT PRESERVATION

TRANSPORTATION - RDWY, BRIDGES & ST LIGHTS

—————Projected—————

Roadway, Bridge and Streetlight Improvements	Funding Source	Budgeted 2014-15	Projected				Total
			2015-16	2016-17	2017-18	2018-19	
Funded/Projected							
Boones Ferry Road Improvements - Phase I (Total Project Cost of \$26.9 million)	Bonds/ Grant/ SDC/TIF	1,600,000	4,970,000	7,441,000	9,815,000	2,709,000	26,535,000
LED Lights - Phase 2a (Retrofits 789 streetlights with payback of less than 4 years)	Street	200,000					200,000
Total		1,800,000	4,970,000	7,441,000	9,815,000	2,709,000	26,735,000

Unfunded	Rank							
Red Fox Hills Streetlight Pole Replacements	1	Street						67,000
LED Lights - Phase 2b (Retrofits 1,300 streetlights with payback of about 11 years)	2	TBD						900,000
Bridge Repair & Replacement Fund - Citywide (Placeholder cost - Bridge Analysis anticipated for funding in FY 2014-15)	3	Street						50,000,000
West Sunset Extension	4	TBD						1,339,000
Tryon Creek Bridge and Culvert Replacement	5	Street						14,400,000
Foothills Road Phase I from A to B Avenues (Foothills Project)	6	SDC/ Developer						2,874,000
Foothills Road Phase II North of B Avenue (Foothills Project)	7	SDC/ Developer						1,634,000
B Avenue Phase I (Foothills Project)	8	SDC/ Developer						2,978,000
B Avenue Phase II (Foothills Project)	9	SDC/ Developer						1,675,000
North Portal between D and E Avenues (Foothills Project)	10	SDC/ Developer						1,678,000
Total			0	0	0	0	0	77,545,000

TRANSPORTATION - RDWY, BRIDGES & ST LIGHTS

Project Name: Boones Ferry Road Improvements - Phase 1

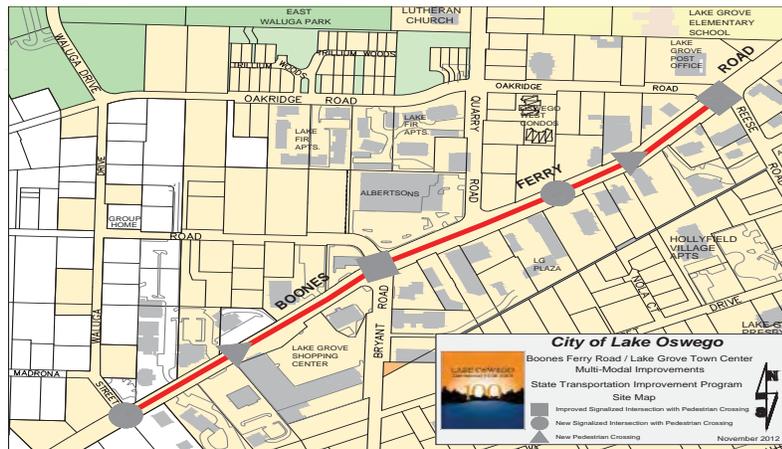
Project Description: The Lake Grove Village Center Plan includes a project to improve Boones Ferry Rd. Phase 1 of the Boones Ferry Rd Project will pave from Madrona to Oakridge/Reese. This project includes bikeways, sidewalks, a center median, green street features, and intersection improvements. A \$5 million general obligation bond measure was passed by the voters in November 2012. The total cost of the project is estimated to be \$26.9 million. A \$4 million grant has been awarded by ODOT.

Funded/Unfunded: Funded

Estimated Completion

Date: 2019/20

Justification: Lake Grove Village Center Plan



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
	Operating						
	SDC's						-
Bonds/Grant/SDC's/TIF	Bonds	1,600	4,970	7,441	9,815	2,709	26,535
	Grants						-
Resources Total		\$1,600	\$4,970	\$7,441	\$9,815	\$2,709	\$26,535
Expenses	Design	240	745	1,116	1,472	406	3,979
	Proj. Admin	80	248	372	490	135	1,325
	Construction	1,280	3,977	5,953	7,853	2,168	21,231
Expenses Total		\$1,600	\$4,970	\$7,441	\$9,815	\$2,709	\$26,535

TRANSPORTATION - RDWY, BRIDGES & ST LIGHTS

Project Name: LED Retrofit Project - Phase 2a

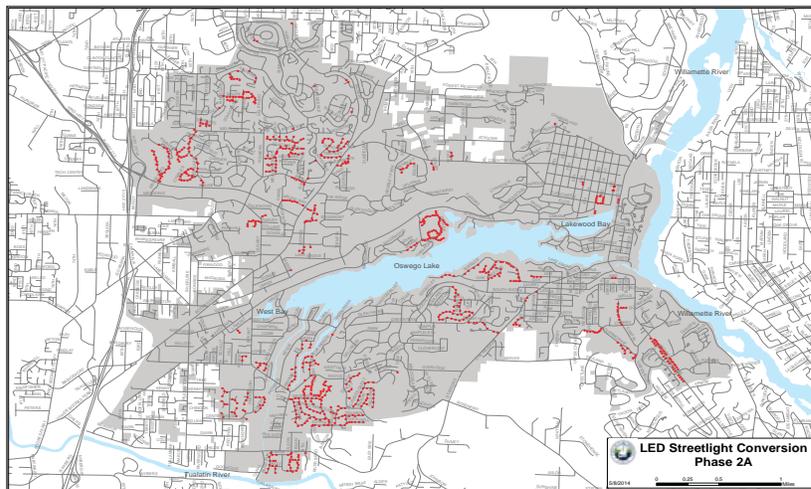
Project Description Phase 2a consists of retrofitting 789 streetlights with LEDs. This project would include installing an LED into the existing Town & Country fixtures, Acorn fixtures, and Post Top fixtures. The annual savings will be at least \$55,000 per year in lower energy and maintenance costs. The project has a payback period of less than four years.

Funded/Unfunded: Funded

Estimated Completion

Date: 2014

Justification: Cost Savings and Asset Replacement



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Street	Operating	200					200
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$200	\$-	\$-	\$-	\$-	\$200
Expenses	Design						-
	Proj. Admin						-
	Installation	40					40
	Purchase	160					160
Expenses Total		\$200	\$-	\$-	\$-	\$-	\$200

TRANSPORTATION - RDWY, BRIDGES & ST LIGHTS

Roadway, Bridge and Streetlight Improvements

Unfunded	Total
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Project Name: **Red Fox Hills Streetlight Pole Replacements** \$67,000

Project Description: This project would remove 26 obsolete center bored wood double divert poles with 30-foot gray fiberglass poles.

Project Name: **LED Retrofit Project Phase 2b** \$900,000

Project Description: Phase 2b consists of retrofitting the City's remaining 1,300 streetlights with LED fixtures. The annual savings will be at least \$80,000 per year in lower energy and maintenance costs. The project has a payback period of about 11 years.

Project Name: **Bridge Repair & Replacement Fund - Citywide** \$50,000,000

Project Description: The City is responsible for over a dozen different bridges within the city limits. In FY 13/14 & FY 14/15 funds were set aside to conduct a city-wide bridge analysis to determine the full extent of bridges, the their conditions, and to provide a strategy for how to address their long-term repair and replacement. Until such time as true values are determined in that study, this is a placeholder for future asset management purposes.

Project Name: **West Sunset Extension** \$1,339,000

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.

TRANSPORTATION - RDWY, BRIDGES & ST LIGHTS

Roadway, Bridge and Streetlight Improvements (cont.)

Unfunded	Total
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Project Name:	Tryon Creek Bridge and Culvert Replacement	\$14,400,000
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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. Tryon 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. From 2007 “Tryon Creek/Hwy 43 Culvert Alternates Analysis” Henderson Land Services, Managed by Parks Dept. \$12M was cost estimate in 2007.

Project Name:	Foothills Road Phase 1 from A to B Avenues	\$2,874,000
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Project Description: This project is the first phase of the realignment and reconstruction of Foothills Rd, from the intersection to 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.

Project Name:	Foothills Road Phase II North of B Avenue	\$1,634,000
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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 street scape improvements including sidewalks, street lighting, street furnishings, and landscaping.

TRANSPORTATION - RDWY, BRIDGES & ST LIGHTS

Roadway, Bridge and Streetlight Improvements (cont.)

Unfunded	Total
<p>Project Name: B Avenue Phase I</p> <p>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.</p>	\$2,978,000
<p>Project Name: B Avenue Phase II</p> <p>Project Description: This project completes a new B Ave Connection between downtown and the Willamette River, construction the last block of B Ave leading to Foothills Park. The project includes fill required to bring the street and 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.</p>	\$1,675,000
<p>Project Name: North Portal between D and E Avenues</p> <p>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 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 the 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.</p>	\$1,678,000

TRANSPORTATION - INTERSECTIONS

—————Projected—————

Intersections	Funding Source	Budgeted	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Funded/Projected								
Citywide Intersection Signalization Improvements	Street	50,000	50,000	70,000	70,000	70,000		310,000
Traffic Sign Retroreflectivity	Street		88,000	87,000				175,000
Total			50,000	138,000	157,000	70,000	70,000	485,000
Unfunded								
Rank								
6 Corner Intersection Alignment Improvements	1	Street						580,000
Total			0	0	0	0	0	580,000

TRANSPORTATION - INTERSECTIONS

Project Name: **Citywide Intersection Signalization Improvements**

Project Description: Develop and implement a citywide signal timing update. Twenty signals remaining in 2014, does not include signals included in Boones Ferry Rd. improvements project. Investigate and install Flashing Yellow (left turn) Arrow signals at key intersections; upgrade signals to 2070 controllers; remove obsolete programming; upgrade to pedestrian count-down signal heads; upgrade communications where beneficial.

Funded/Unfunded: Funded

Estimated Completion Date: 2019

Justification: Assesst Management, Enhance Safety, Reduce Congestion and Improve Capacity



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Street	Operating	50	50	70	70	70	310
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$50	\$50	\$70	\$70	\$70	\$310
Expenses	Design						-
	Proj. Admin	8	8	15	15	15	61
	Construction	42	42	55	55	55	249
							-
Expenses Total		\$50	\$50	\$70	\$70	\$70	\$310

TRANSPORTATION - INTERSECTIONS

Project Name: Traffic Sign Retroreflectivity

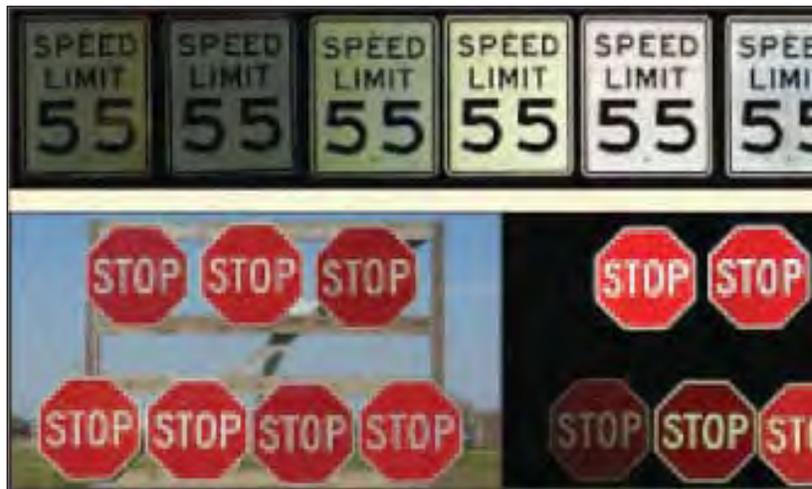
Project Description: The compliance date for meeting the minimum retroreflectivity requirements on regulatory, warning and ground mounted guide signs is 2015. For over head guide signs and street name signs, the compliance date is 2018. In order to support this effort, a complete sign inventory and retroreflectivity 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	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Street	Operating		88	87			175
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$-	\$88	\$87	\$-	\$-	\$175
Expenses	Design						-
	Proj. Admin		6	6			12
	Construction		82	81			163
							-
Expenses Total		\$-	\$88	\$87	\$-	\$-	\$175

TRANSPORTATION - INTERSECTIONS

Intersections

Unfunded	Total
Project Name: 6 Corner Intersection Alignment Improvements	\$580,000
Project Description: This project will realign the two northerly legs of this intersection to eliminate many conflict points, improve traffic flow and safety, reduce congestion and improve line of sight. The project will combine the north left of Iron Mountain and Bayberry into one approach and remove the undefined landscaped area. Provide for stormwater collection and treatment.	

TRANSPORTATION - PATHWAYS

—————Projected—————

Pathways	Funding Source	Budgeted 2014-15	Projected				Total
			2015-16	2016-17	2017-18	2018-19	
Funded/Projected							
ADA Sidewalk Ramp Retrofit Program	Street	30,000	50,000	80,000	80,000	80,000	320,000
Laurel-Hallinan Pathway Project	Street SDCs	960,000	1,100,000				2,060,000
Total		990,000	1,150,000	80,000	80,000	80,000	2,380,000

Unfunded	Rank						
E Avenue Pathway	TBD-TSP	Street					546,000
Cherry Lane Pathway	TBD-TSP	Street					97,000
Douglas Way Sidewalk	TBD-TSP	Street					470,000
Lanewood St-Douglas Circle Sidewalk & Pathway	TBD-TSP	Street					367,000
Mercantile Dr Sidewalk	TBD-TSP	Street					274,000
Daniel Way Sidewalk	TBD-TSP	Street					200,000
Twin Fir Rd Pathway - Upper Drive & Boones Ferry Rd	TBD-TSP	Street					1,846,000
Glenmorrie Dr (east) Pathway - Hwy 43 to Old River Rd	TBD-TSP	Street					897,000
Fernwood Dr - South Shore to Marjorie	TBD-TSP	Street					889,000
Boca Ratan Dr Sidewalk - Atwater to Bonniebrae	TBD-TSP	Street					352,000
Willamette River Greenway Trail - LO-Portland (The total project cost is \$47.8 million & \$4,769,000 is LO's share of 10% if a RTP grant was awarded)	TBD-TSP	Street					4,769,000
Oak St Pathway - McVey to Palisades Terrace Dr	TBD-TSP	Street					136,000
Waluga Drive Pathway - Oakridge to Madrona	TBD-TSP	Street					288,000
Tree Top Lane Sidewalk - Overlook to Fernwood	TBD-TSP	Street					180,000
Meadowlark Lane Sidewalk - Overlook Dr to Ridge Pointe Dr	TBD-TSP	Street					247,000
Kelok Pathway	TBD-TSP	Street					1,500,000
Timberline Drive Sidewalk - Knaus to Bonniebrae Dr Sidewalk	TBD-TSP	Street					468,000
Goodall Road Pathway - Knaus to Country Club Pathway	TBD-TSP	Street					860,000
Fir Ridge Rd Sidewalk	TBD-TSP	Street					114,000
Greentree Rd Sidewalk	TBD-TSP	Street					702,000

TRANSPORTATION - PATHWAYS

—————Projected—————

Pathways (cont.)	Funding Source	Budgeted 2014-15	2015-16	2016-17	2017-18	2018-19	Total
Unfunded							
Palisades Crest Driveway - Hillside Dr to Cooks Butte Park	TBD-TSP	Street					150,000
Library to ACC Pathway	TBD-TSP	Street					322,000
Childs Rd (west) Pathway - Canal Acres to Sycamore	TBD-TSP	Street					397,000
Knaus Rd Pathway - Boones Ferry Rd to Country Club Rd	TBD-TSP	Street					450,000
Westview Dr Sidwalk - Greentree Rd & South Shore Blvd	TBD-TSP	Street					907,000
Washington Court Pathway	TBD-TSP	Street					503,000
Canyon Dr Pathway	TBD-TSP	Street					565,000
Willamette Steps	TBD-TSP	Street					2,196,000
Total			0	0	0	0	0 20,692,000

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 and will be identified based on inventory analysis work conducted by the summer intern in 2013.

Funded/Unfunded: Funded

Estimated Completion Date: Annual

Justification: Federal Mandate



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	1028-19	Total
Street	Operating	30	50	80	80	80	320
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$30	\$50	\$80	\$80	\$80	\$320
Expenses	Design	2	3	5	5	5	20
	Proj. Admin	1	2	5	5	5	18
	Construction	27	45	70	70	70	282
							-
Expenses Total		\$30	\$50	\$80	\$80	\$80	\$320

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: 2016

Justification: Trails Master Plan, Tab Recommendation and Council Priority



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	1028-19	Total
Street	Operating						-
	SDC's	960	1,100				2,060
	Bonds						-
	Grants						-
Resources Total		\$960	\$1,100	\$-	\$-	\$-	\$2,060
Expenses	Design	65					65
	Proj. Admin	75	20				95
	Construction	820	1,080				1,900
							-
Expenses Total		\$960	\$1,100	\$-	\$-	\$-	\$2,060

TRANSPORTATION - PATHWAYS

Pathways

Unfunded	Total
<p>Project Name: E Avenue Pathway</p> <p>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. Surface water 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 eight (8) blocks of drainage work would need to be added, amounting to an additional \$1.2 million.</p>	\$546,000
<p>Project Name: Cherry Lane Pathway</p> <p>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.</p>	\$97,000
<p>Project Name: Douglas Way Sidewalk</p> <p>Project Description: This project will construct a 900 ft long, 6 ft wide sidewalk separated from the curb by a 5 ft landscape strip on the south side of the road. Completes a connection for this SRTS route to match existing development approaching Boones Ferry Road. Several driveway rebuilds are assumed.</p>	\$470,000
<p>Project Name: Lanewood Street - Douglas Circle Sidewalk & Pathway</p> <p>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.</p>	\$367,000

TRANSPORTATION - PATHWAYS

Pathways (cont.)

Unfunded		Total
Project Name:	Mercantile Drive Sidewalk	\$274,000
Project Description:	This project consists of two 400 ft long, 5 ft wide curb-tight concrete sidewalks between Boones Ferry Road and Hallmark Drive. Short retaining wall at the back of walk with handrail is needed on the north side only. Remove and replace all street trees where space allows. Completes a connection.	
Project Name:	Daniel Way Sidewalk	\$200,000
Project Description:	This project consists of constructing an 800 ft long, 5 ft wide separated sidewalk on the west side of the road. Remove parking and rebuild landscape islands within the West End Building campus. Subject to transfer of private property into the public right-of-way.	
Project Name:	Twin Fir Road Pathway - Upper Drive to Boones Ferry Road	\$1,846,000
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 a surface water system will need to be put in place.	
Project Name:	Glenmorrie Drive (east) Pathway - Hwy 43 to Old River Road	\$897,000
Project Description:	This project includes a 2,400 ft long, 5 ft wide separated asphalt pathway on the north/west side of the roadway. Retaining walls, stormwater improvements, and a heritage tree exist along sections of this roadway. Possible right-of-way issues. Connects to George Rogers Park pathway.	
Project Name:	Fernwood Drive Pathway - South Shore Blvd to Marjorie	\$889,000
Project Description:	This project includes a 3,300 ft long, 6 ft wide attached asphalt pathway on the west/south side of the road. Pathway could impact on-street parking and need extensive stormwater improvements.	

TRANSPORTATION - PATHWAYS

Pathways (cont.)

Unfunded		Total
Project Name:	Boca Ratan Drive Sidewalk - Atwater to Bonniebrae	\$352,000
Project Description:	This project will construct a 1,600 ft long, 6 ft wide concrete sidewalk that is separated from the curb by a 7 ft landscape strip along the east side of the street; some R/W required (optional curb-tight sidewalk, if necessary). This pathway was on the 2002 TAB "Top 10 List" and is within the Forest Hills SRTS.	
Project Name:	Willamette River Greenway Trail (via Hwy 43) - LO to Portland	\$4,769,000
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.	
Project Name:	Oak Street Pathway - McVey to Palisades Terrace Drive	\$136,000
Project Description:	This project consists of a 1,000 ft long, 5 ft wide asphalt shoulder pathway on the south side of the street, completing a connection. Area is fairly flat, and R/W is adequate. Lost Dog Creek culvert may have to be extended and roadway widened.	
Project Name:	Waluga Drive Pathway - Oakridge to Madrona	\$288,000
Project Description:	This project includes a 1,200 ft long, 5 ft wide separated asphalt pathway on the east side of the roadway, completing a connection. Area is fairly flat, and R/W is adequate. Some driveways and fences must be reconstructed/relocated. Several large tree removals necessary.	
Project Name:	Treetop Lane Sidewalk - Overlook Drive to Fernwood Drive	\$180,000
Project Description:	This project includes a 1,300 ft long, 5.5 ft wide curb-tight concrete sidewalk on the east side of the roadway. Curbs exist on both sides of the road and R/W is adequate.	

TRANSPORTATION - PATHWAYS

Pathways (cont.)

Unfunded	Total
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<p>Project Name: Meadowlark Sidewalk - Overlook Drive to Ridge Pointe Drive</p> <p>Project Description: This project would continue an existing 5.5 ft wide curb-tight sidewalk for 700 ft. Existing curb and gutter available. Project will remove some existing landscaping and large trees. Reconstruction of several driveway aprons is necessary. Project lies within a 1/2 mile of schools.</p>	\$247,000
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<p>Project Name: Kelok Pathway - South Shore Blvd to Bryant Road</p> <p>Project Description: This project includes a 1,000 ft long, 5 ft wide asphalt pathway separated by a 5 ft landscape strip on one side of the road.</p>	\$1,500,000
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<p>Project Name: Timberline Drive Sidewalk - Knaus to Bonniebrae</p> <p>Project Description: This project will construct a 2,700 ft long, 6 ft wide curb-tight concrete sidewalk on one side of the street. Curbs exist along approximately 2/3 of the length. Multiple driveway apron reconstruction, landscaping removal, and mailbox relocations.</p>	\$468,000
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<p>Project Name: Goodall Road Pathway - Knaus to Country Club</p> <p>Project Description: This project consists of a 3,300 ft long, 6 ft wide asphalt pathway on the east side of the roadway. Approximately 50% will be shoulder pathway, and 50% will be separated by a ditch/swale. Minor R/W is needed to accommodate the swale. Portions will be subject to a road transfer from Clackamas County.</p>	\$860,000
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<p>Project Name: Fir Ridge Road Sidewalk - Twin Fir to Wembley Park Road</p> <p>Project Description: This project includes a 900 ft long, 5.5 ft wide concrete sidewalk separated by a 5' landscape strip on the north side of the roadway. Existing curb available; R/W appears adequate. This sidewalk would connect at one end with Wembley Park pathway and Springbrook Park.</p>	\$114,000
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TRANSPORTATION - PATHWAYS

Pathways (cont.)

Unfunded		Total
Project Name:	Greentree Road Sidewalk - Fernwood to Westview	\$702,000
Project Description:	This project includes a 2,400 ft long, 5.5 ft wide curb-tight concrete sidewalk on one side of the road. Use of shoulder areas would eliminate parking. Project requires roadway widening, retaining walls, and storm drainage modifications.	
Project Name:	Palisades Crest Driveway - Hillside Drive to Cooks Butte Park	\$150,000
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.	
Project Name:	Library to ACC Pathway	\$322,000
Project Description:	Construct curb and separated sidewalks on 4th St between E and F Ave (230 ft) and on G Ave between 4th and 5th (300 ft). Project could be combined with the E Avenue Pathway project to provide connectivity if both facilities remain in their current locations. Roadway widening required.	
Project Name:	Childs Road (west) Pathway - Canal Acres to Sycamore	\$397,000
Project Description:	This project consists of a 1,400 ft long, 6 ft wide separated asphalt pathway on one side of the road. Due to the wetlands, project must include drainage system and/or consider a boardwalk alternative. Significant vegetation removal.	
Project Name:	Knaus Road Pathway - Boones Ferry Road to Country Club	\$450,000
Project Description:	This project includes a 4,000' long, 6 ft wide separated asphalt pathway and 5 ft bike lanes. Some sections subject to transfer with Clackamas County. Completes a connection; many sections have been constructed through redevelopment and annexation, but some R/W may be required. Project is also listed on Metro's RTP and maybe eligible for regional grant funding; city's match portion, assumed to be 10% of total cost.	

TRANSPORTATION - PATHWAYS

Pathways (cont.)

Unfunded	Total
<p>Project Name: Westview Drive Sidewalk - Greentree Road to South Shore</p> <p>Project Description: This project includes a 350 ft long, 5 ft wide curb-tight sidewalk along a very narrow section of roadway that would have to be brought up to City standards. Target west side of the roadway. Due to steep banks on both sides, a large retaining wall is needed. Cantilevered driveways will need redesign; several trees need to be removed. Road needs complete geotechnical study and engineering design.</p>	\$907,000
<p>Project Name: Washington Court Pathway - Queens Park Road to Lake Forest Blvd</p> <p>Project Description: This project will construct a 2,400 ft long, 5 ft wide separated asphalt pathway on one side of the road. R/W required from Lake Forest to Bonaire; some portions subject to road transfer from Clackamas County. Encroachment issues and tree removals required.</p>	\$503,000
<p>Project Name: Canyon Drive Pathway - Dellwood to South Shore</p> <p>Project Description: This project will construct a 1,150 ft long, 5 ft wide asphalt shoulder pathway on the east side of the road. Storm drains are needed along the length. A 400 ft section between Park Rd and Greentree Rd is unconstructed R/W and needs heavy rock section to manage soft soils/ natural springs. R/W appears adequate.</p>	\$565,000
<p>Project Name: Willamette Steps</p> <p>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.</p>	\$2,196,000

TRANSPORTATION - BICYCLE PED. PATHWAYS

—————~~Projected~~—————

Bicycle Pedestrian Pathways		Funding	Budgeted					Total
		Source	2014-15	2015-16	2016-17	2017-18	2018-19	
Funded/Projected								
City Wide Bicycle/Pedestrian Pathway Misc. Projects		Bicycle				140,000		140,000
Total			0	0	0	140,000	0	140,000
Unfunded		Rank						
Boones Ferry Road Sidewalks & Bike Lanes, Country Club to Northern City Limits -total project cost is \$9.9 million & \$990,000 is LO's share of 10% if a Regional Transportation Program (RTP) grant was awarded by METRO.	TBD-TSP	Bicycle						990,000
Hwy 43 Bike Lanes - Terwilliger to Oak St (The total project cost is \$7.8 million & \$781,000 is LO's share of 10% if a RTP grant was awarded.	TBD-TSP	Bicycle						781,000
Iron Mtn Blvd - Upper Drive Bike Lanes	TBD-TSP	Bicycle						6,882,000
Bryant Road Bike Lanes and Sidewalk - Boones Ferry Rd to Childs Rd-the total project cost is \$10.2 million & LO's share of 10% if a RTP grant was awarded.	TBD-TSP	Bicycle						1,022,000
Carmen Drive Sidewalks and Bike Lanes - Kruse Way to I-5 -the total project cost is \$3.7 million & \$371,000 is LO's share of 10% if a RTP grant was awarded.	TBD-TSP	Bicycle						371,000
Total			0	0	0	0	0	10,046,000

TRANSPORTATION - BICYCLE PED. PATHWAYS

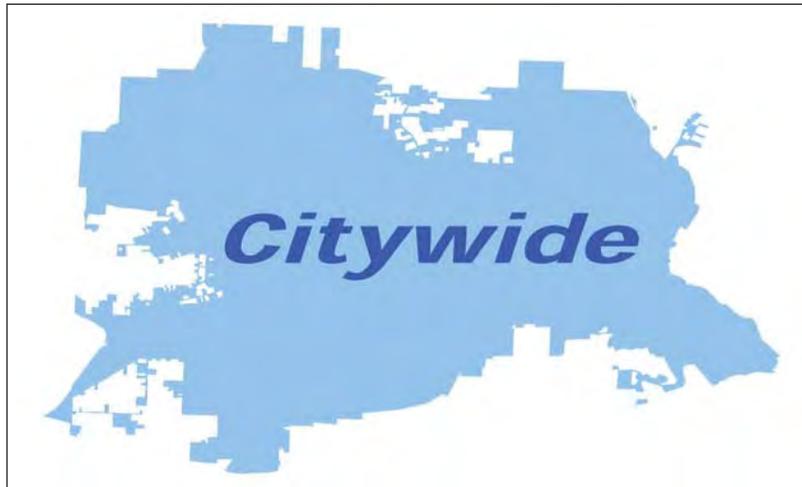
Project Name: **Citywide Bicycle Pedestrian Pathway Miscellaneous Projects**

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: Public Asset Maintenance



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Bicycle	Operating				140		140
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$-	\$-	\$-	\$140	\$-	\$140
Expenses	Design						-
	Proj. Admin						-
	Construction				140		140
							-
Expenses Total		\$-	\$-	\$-	\$140	\$-	\$140

TRANSPORTATION - BICYCLE PED. PATHWAYS

Bicycle Pedestrian Pathways

Unfunded		Total
Project Name:	Boones Ferry Road Sidewalks and Bike Lanes - Country Club to Northern City Limits	\$990,000
Project Description:	This project will construct 6 ft wide bike lanes on both sides of Boones Ferry Road for approximately 3,500 feet. Includes extensive roadway widening and retaining walls above and below the roadway grade. Coordination needed with LO High School for center turn lane at school's Boones Ferry access (previous condition of approval). Project is also listed on Metro's RTP and maybe eligible for regional grant funding; city's match portion, assumed to be 10% of total cost estimated.	
Project Name:	Hwy 43 Bike Lanes - Terwilliger to Oak Street	\$781,000
Project Description:	This project will construct 6 ft wide bike lanes on both sides of Highway 43 for approximately 5,500 feet. Includes full curb and sidewalk reconstruction and R/W acquisition. Coordination needed with RR. Project is also listed on Metro's RTP and maybe eligible for regional grant funding; city's match portion, assumed to be 10% of total cost estimated.	
Project Name:	Iron Mtn Blvd - Upper Drive Bike Lanes	\$6,882,000
Project Description:	This project adds bike lanes from 10th Street to Bryant Road on both sides of the roadway. Widening will be needed to accommodate bike lanes as well as existing pathway.	
Project Name:	Bryant Road Bike Lanes and Sidewalk - Boones Ferry Road to Childs Road	\$1,022,000
Project Description:	This project adds bike lanes and completes sidewalks on both sides of the roadway for approximately 7,500 ft in length. The railroad crossing near Lakeview must be reconstructed and retaining walls needed for road widening. Project is also listed on Metro's RTP and maybe eligible for regional grant funding; city's match portion, assumed to be 10% of total cost estimated.	

TRANSPORTATION - BICYCLE PED. PATHWAYS

Bicycle Pedestrian Pathways (cont.)

Unfunded	Total
Project Name: Carman Drive Sidewalks and Bike Lanes - Kruse Way to I-5	\$371,000
Project Description: This project will construct 6 ft wide bike lanes, and 6 ft wide separated concrete sidewalks. Within this 6,600 ft segment, improvements are needed along 70% of the length, approximately. The project priority, funding, and selection is subject to transfer of roadway from Clackamas County. Project is also listed on Metro's RTP and maybe eligible for regional grant funding; city's match portion, assumed to be 10% of total cost estimated.	

UTILITIES - WATER

—————Projected—————

Water	Funding Source	Budgeted 2014-15	2015-16	2016-17	2017-18	2018-19	Total
Funded/Projected							
Cervantes Waterline Pipe Replacement	Water	500,000					500,000
10th Street & McVey Pump Station Electrical	Water	20,000	107,000				127,000
Waluga Reservoir 1 Repair in Conjunction with LO-Tigard	Water	25,000					25,000
Summit Radio Telemetry System Upgrade	Water	10,000					10,000
Annual Water Rehabilitation Program	Water		200,000	200,000	1,500,000		1,900,000
Touchstone Reservoir Pump Station Improvements	Water			618,000			618,000
Total		555,000	307,000	818,000	1,500,000	0	3,180,000

Unfunded	Rank	Funding Source	Budgeted 2014-15	2015-16	2016-17	2017-18	2018-19	Total
Pipe, Reservoir, & Pump Station Improvements (Placeholder cost for 20- years, absent a Master Plan, as based on the total from the completed 2001 Master Plan)	1	Water						40,000,000
Automatic Meter Reading Infrastructure	2	Water						4,120,000
Total			0	0	0	0	0	44,120,000

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: 2016

Justification: Safety and Operability



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Water	Operating	20	107				127
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$20	\$107	\$-	\$-	\$-	\$127
Expenses	Design	15	5				20
	Proj. Admin	5	2				7
	Construction		100				100
							-
Expenses Total		\$20	\$107	\$-	\$-	\$-	\$127

UTILITIES - WATER

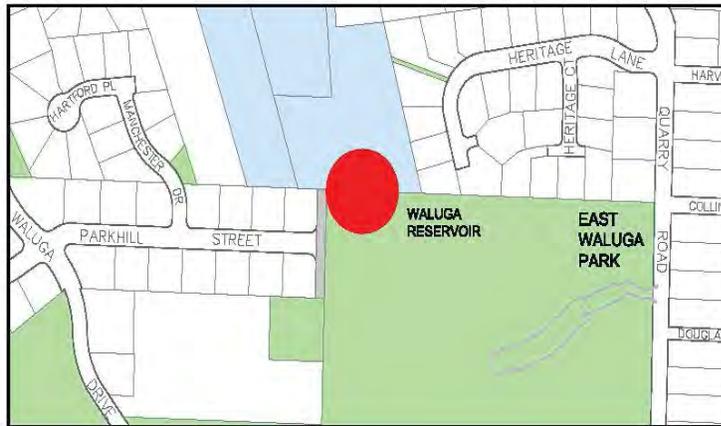
Project Name: **Waluga Reservoir No. 1 Repair in Conjunction with LO-Tigard**

Project Description: Maintenance issues have been identified at Waluga Reservoir No. 1, such as, exposed rebar in the ceiling; badly corroded interior access ladder, OHA requirement for a new exterior access hatch and need to blast and recoat interior fill/drain piping. The LO-Tigard Water Partnership is planning to have the Contractor for WR2 make these repairs/upgrades but the costs, not yet estimated, need to be accounted for in the FY 15 budget for the Water Operations Fund 613.

Funded/Unfunded: Funded

Estimated Completion Date: 2015

Justification: Required Maintenance for Health Reasons



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Water	Operating	25					25
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$25	\$-	\$-	\$-	\$-	\$25
Expenses	Design						-
	Proj. Admin						-
	Construction	25					25
Expenses Total		\$25	\$-	\$-	\$-	\$-	\$25

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	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Water	Operating	10					10
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$10	\$-	\$-	\$-	\$-	\$10
Expenses	Design						-
	Proj. Admin						-
	Construction	10					10
							-
Expenses Total		\$10	\$-	\$-	\$-	\$-	\$10

UTILITIES - WATER

Project Name: Annual Water Rehabilitation Program

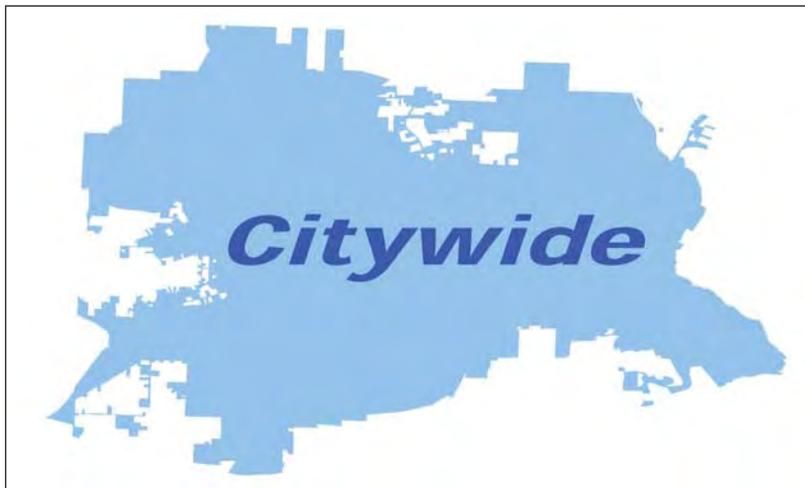
Project Description: These projects replace old, undersized pipelines and pipelines that do not meet engineering design criteria for peak water demands and fire flow. The project list is to be developed from the master plan recommendations as well as from trouble spots suggested by Maintenance Services 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	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Water	Operating		200	200	1,500		1,900
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$-	\$200	\$200	\$1,500	\$-	\$1,900
Expenses	Design						-
	Proj. Admin						-
	Construction		200	200	1,500		1,900
							-
Expenses Total		\$-	\$200	\$200	\$1,500	\$-	\$1,900

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 it's 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: 2017

Justification: Safety and Operability



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Water	Operating			618			618
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$-	\$-	\$618	\$-	\$-	\$618
Expenses	Design			93			93
	Proj. Admin			31			31
	Construction			494			494
							-
Expenses Total		\$-	\$-	\$618	\$-	\$-	\$618

UTILITIES - WATER

Water

Unfunded	Total
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Project Name:	Pipe, Reservoir, & Pump Station Improvements	\$40,000,000
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Project Description:	The 2001 Water Master Plan listed needs of approximately \$40 million. These projects 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.
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Project Name:	Automatic Meter Reading Infrastructure	\$4,120,000
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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. 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.
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LO -TIGARD WATER SUPPLY EXPANSION

Lake Oswego-Tigard Water Supply Expansion	Funding Source	Budgeted 2014-15	—————Projected—————				Total
			2015-16	2016-17	2017-18	2018-19	
Funded/Projected							
Lake Oswego-Tigard Water Supply Expansion	LO-Tigard	118,804,000	20,384,000	176,000			139,364,000
Total		118,804,000	20,384,000	176,000	0	0	139,364,000

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 38 mgd. This project started in FY 2009-10 and will conclude in FY 2016-17. Costs 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	2014-15	2015-16	2016-17	2017-18	2018-19	Total
LO-Tigard	Operating	6,914	7,787	67			14,768
	SDC's						-
	Bonds	38,469					38,469
	Intergov't	73,421	12,597	109			86,127
Resources Total		\$118,804	\$20,384	\$176	\$-	\$-	\$139,364
Expenses	Design	2,319	770	9			3,098
	Proj. Admin	10,071	2,703	167			12,941
	Construction	106,414	16,911				123,325
Expenses Total		\$118,804	\$20,384	\$176	\$-	\$-	\$139,364

UTILITIES - SURFACE WATER

		—————Projected—————						
		Budgeted						
Surface Water	Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	Total	
Funded/Projected								
Annual Catch Basin Retrofits	Surface Water	20,000	20,000	81,000	61,000	81,000	263,000	
Small Works Drainage Improvements	Surface Water	20,000	20,000	81,000	61,000	81,000	263,000	
Rockinghorse Lane Drainage Improvements	Surface Water	648,000					648,000	
Kerr Parkway Drainage Improvement	Surface Water	313,000					313,000	
Ash Street	Surface Water	185,000					185,000	
B Avenue Storm System Upgrade (Assumes Borrowing \$625,000 from the General Fund for one year to be paid back in FY 2015-16)	Surface Water	1,285,000					1,285,000	
D Avenue Storm Drainage Infrastructure	Surface Water		121,000	657,000			778,000	
Wembley Park/Crest Drive Drainage Improvements	Surface Water				209,000		209,000	
Blue Heron Rd Rehabilitation and Drainage Improvements	Surface Water				93,000	438,000	531,000	
Total		2,471,000	161,000	819,000	424,000	600,000	4,475,000	
Unfunded								
		Rank						
Ash Street to ODOT Drainage Improvements	1	Surface Water					116,000	
Cornell to Oak Street Storm Replacement Project	2	Surface Water					157,000	
Redfern Avenue Drainage Improvements	3	Surface Water					156,000	
Lakeview Blvd Roadway & Drainage Improvements	4	Surface Water					531,000	
Outfall Inventory and Restoration	5	Surface Water					266,000	
Underground Injection Control (UIC), Permitting & Retrofits	6	Surface Water					1,286,000	
Douglas Circle Drainage Improvements	7	Surface Water					381,000	
Dolph Court-Country Club Culvert Crossings	8	Surface Water					422,000	
Upper Drive - West of Bryant	9	Surface Water					316,000	
Bryant Road Drainage Improvements	10	Surface Water					170,000	
Tanglewood Drive Water Quality Detention	11	Surface Water					136,000	
Preakness Court Water Quality Detention	12	Surface Water					136,000	
Elizabeth Gress Park - Sediment Control/Restoration	13	Surface Water					219,000	
Southwood Park Detention	14	Surface Water					131,000	
Eena Rd Drainage Improvements	15	Surface Water					235,000	
Bayberry-Andrews Rd Drainage Improvements	16	Surface Water					586,000	
Regional Water Quality Facility Retrofit	17	Surface Water					361,000	
Sediment Basin Retrofits	18	Surface Water					392,000	
Springbrook Creek Culvert Evaluation	19	Surface Water					362,000	
Churchill Downs Drainage Improvements	20	Surface Water					51,000	
Touchstone Dr Drainage Improvements	21	Surface Water					86,000	
Cherry Crest Detention - Water Quality Treatment Facility	22	Surface Water					597,000	

UTILITIES - SURFACE WATER

Surface Water (cont.)	Funding Source	Rank	Projected					Total
			Budgeted 2014-15	2015-16	2016-17	2017-18	2018-19	
Regional Stormwater Facility-Bergis/Stafford Rd	Surface Water	23						651,000
Melrose Street Tributary Rehabilitation	Surface Water	24						257,000
Lower Boones Ferry Rd - Lake Grove UGB	Surface Water	25						3,165,000
Water Reservoir Disconnect	Surface Water	26						700,000
Total			0	0	0	0	0	11,866,000

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	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Surface Water	Operating	20	20	81	61	81	263
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$20	\$20	\$81	\$61	\$81	\$263
Expenses	Design	5	5	13	12	13	48
	Proj. Admin	3	3	8	6	8	28
	Construction	8	8	50	33	50	149
	Contingency	4	4	10	10	10	38
Expenses Total		\$20	\$20	\$81	\$61	\$81	\$263

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 \$40,000 each and are usually constructed with larger projects, such as street overlays, pathways and sanitary improvements.

Funded/Unfunded: Funded

Estimated Completion

Date: Annual

Justification: Asset Protection and Property Protection



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Surface Water	Operating	20	20	81	61	81	263
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$20	\$20	\$81	\$61	\$81	\$263
Expenses	Design	5	5	12	8	12	42
	Proj. Admin	3	3	4	1	4	15
	Construction	12	12	65	52	65	206
	Contingency						-
Expenses Total		\$20	\$20	\$81	\$61	\$81	\$263

UTILITIES - SURFACE WATER

Project Name: Rockinghorse Lane Drainage Improvements

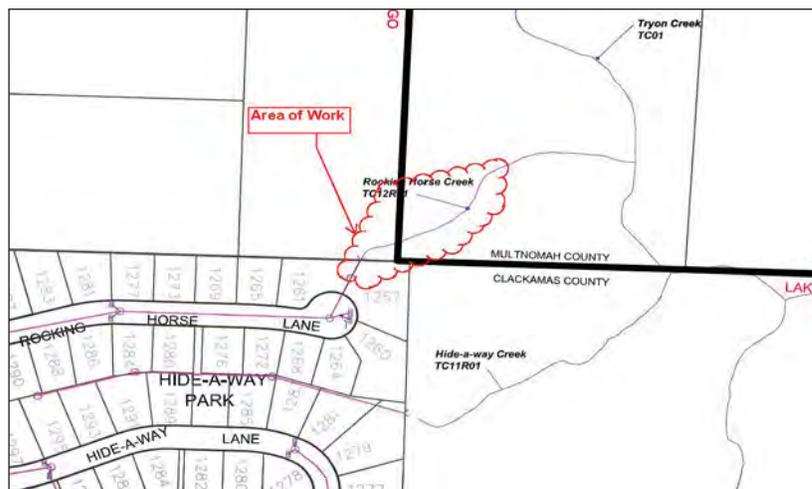
Project Description: This project will stabilize an existing stormwater outfall and rehabilitate the downstream drainage channel which conveys street and residential runoff and natural groundwater seepage. This project will involve extending the stormwater conveyance pipe, outfall energy dissipation 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: 2014

Justification: Facility Protection, Water Quality Improvement



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Surface Water	Operating	648					648
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$648	\$-	\$-	\$-	\$-	\$648
Expenses	Design		-				-
	Proj. Admin	30					30
	Construction	618					618
	Contingency						-
Expenses Total		\$648	\$-	\$-	\$-	\$-	\$648

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: 2014

Justification: Deficient System



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Surface Water	Operating	313					313
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$313	\$-	\$-	\$-	\$-	\$313
Expenses	Design						-
	Proj. Admin	15					15
	Construction	298					298
	Contingency						
Expenses Total		\$313	\$-	\$-	\$-	\$-	\$313

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	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Surface Water	Operating	185					185
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$185	\$-	\$-	\$-	\$-	\$185
Expenses	Design	29					29
	Proj. Admin	14					14
	Construction	142					142
	Contingency						
Expenses Total		\$185	\$-	\$-	\$-	\$-	\$185

UTILITIES - SURFACE WATER

Project Name: B Avenue Storm System 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: 2014

Justification: Deficient System



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Surface Water	Operating	1,285					1,285
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$1,285	\$-	\$-	\$-	\$-	\$1,285
Expenses	Design	190					190
	Proj. Admin	70					70
	Construction	1,025					1,025
	Contingency						
Expenses Total		\$1,285	\$-	\$-	\$-	\$-	\$1,285

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: 2018

Justification: System Upgrades, Water Quality



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Surface Water	Operating		121	657			778
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$-	\$121	\$657	\$-	\$-	\$778
Expenses	Design		100				100
	Proj. Admin		21	28			49
	Construction			629			629
	Contingency						
Expenses Total		\$-	\$121	\$657	\$-	\$-	\$778

UTILITIES - SURFACE WATER

Project Name: **Wembley Park/Crest Drive Drainage Improvements**

Project Description: This project will extend drainage infrastructure from Wembley Park Road up Crest Drive to provide facilities to an unserved area. Project will likely include updates and repairs to existing aged infrastructure, open ditch rehabilitation and should look for opportunities to provide stormwater treatment. All work needs to coincide with the Wembley Park Road Street Improvement project.

Funded/Unfunded: Funded

Estimated Completion

Date: 2017

Justification: Asset Management, Water Quality



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Surface Water	Operating				209		209
	SDC's						
	Bonds						-
	Grants						-
Resources Total		\$-	\$-	\$-	\$209	\$-	\$209
Expenses	Design				34		34
	Proj. Admin				17		17
	Construction				140		140
	Contingency				18		18
Expenses Total		\$-	\$-	\$-	\$209	\$-	\$209

UTILITIES - SURFACE WATER

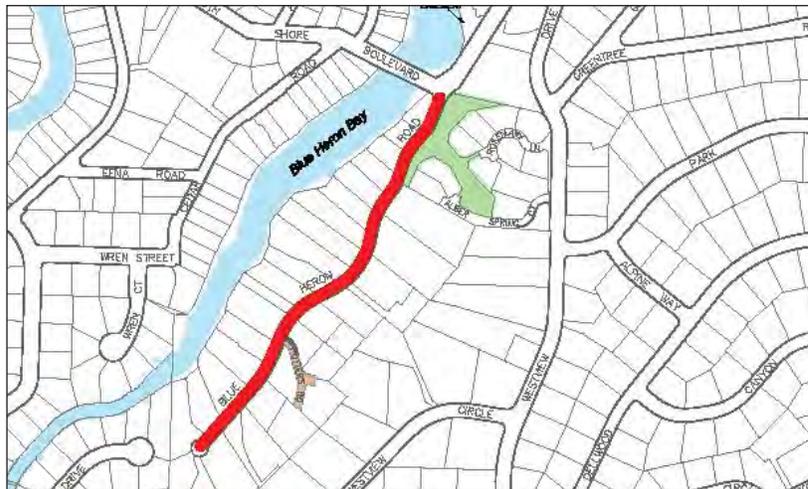
Project Name: Blue Heron Road Rehabilitation and Drainage Improvements

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.

Funded/Unfunded: Funded

Estimated Completion Date: 2018

Justification: Asset Management, Water Quality



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Surface Water	Operating				93	438	531
	SDC's						
	Bonds						-
	Grants						-
Resources Total		\$-	\$-	\$-	\$93	\$438	\$531
Expenses	Design				82		82
	Proj. Admin				11	15	26
	Construction					423	423
	Contingency						-
Expenses Total		\$-	\$-	\$-	\$93	\$438	\$531

UTILITIES - SURFACE WATER

Surface Water

Unfunded	Total
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Project Name:	Ash Street to ODOT Drainage Improvements	\$116,000
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Project Description: Presently, upland drainage flows out of a culvert and across private property, over an embankment and onto ODOT right-of-way. Overland flow has saturated the soil and led to a small debris flow causing the closure of Hwy 43. This project would extend the culvert through the private property and over the embankment, tying into the ODOT storm system.

Project Name:	Cornell to Oak Street Storm Replacement Project	\$157,000
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Project Description: Existing storm pipe was constructed in early-mid 1930's, likely by private developers. Currently layed cross-country through private property and under structures. Pipe has damage and there are no easements. This project would replace the pipe and realign the route along public right-of-way.

Project Name:	Redfern Avenue Drainage Improvements	\$156,000
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Project Description: The area of Redfern Avenue is not currently served by a public drainage system. The street is uncurbed and very flat and 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.

Project Name:	Lakeview Boulevard Roadway & Drainage Improvements	\$531,000
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Project Description: In association with the reconstruction of the roadway, this project will construct storm drainage and water quality improvements along the length of the roadway, where none exist now. Located between Summit Dr. and Bryant Road.

UTILITIES - SURFACE WATER

Surface Water (cont.)

Unfunded	Total
<p>Project Name: Outfall Inventory and Restoration</p> <p>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 staff to develop and prioritize a list of outfall repair/restoration projects.</p>	\$266,000
<p>Project Name: Underground Injection Control (UIC) Evaluation, Permitting & Retrofits</p> <p>Project Description: Federal regulations, administered through the Oregon DEQ, mandates that all storm water 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).</p>	\$1,286,000
<p>Project Name: Douglas Circle Drainage Improvements</p> <p>Project Description: Very limited public drainage improvements have been built and the increased density has created additional impervious areas (increased runoff). The topography is very flat, there are no curbs/gutters to manage roadway runoff. Currently, localized flooding of driveways and front yards occurs during heavy rain events. Drainage improvements must include water quality and quantity management and the abandonment of 2 existing UIC's.</p>	\$381,000

UTILITIES - SURFACE WATER

Surface Water (cont.)

Unfunded	Total
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Project Name:	Dolph Court/Country Club Culvert Crossings	\$422,000
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Project Description: An existing 30-inch culvert under Country Club Road and a 24-inch culvert under Dolph Court have been identified in the Surface Water 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 Court and into Tryon Creek. This project will replace the two culverts, rehabilitate the open channel segment and reestablish the detention capacity of the Dolph Court Pond. These improvements will be essential to prevent flooding and improve water quality as the upstream basin develops.

Project Name:	Upper Drive Drainage Improvements - West of Bryant Road	\$316,000
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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 build in conjunction with roadway/curb and gutter improvements.

Project Name:	Bryant Road Drainage Improvements	\$170,000
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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 Drive and Boones Ferry Road.

UTILITIES - SURFACE WATER

Surface Water (cont.)

Unfunded		Total
Project Name:	Tanglewood Drive Water Quality/Detention	\$136,000
Project Description:	This project will build a water quality/quantity detention facility to attenuate flows and help reduce downstream erosion.	
<hr/>		
Project Name:	Preakness Court Water Quality/Detention	\$136,000
Project Description:	This project is intended to build water quality/quantity detention facility to attenuate flows and help reduce downstream erosion.	
<hr/>		
Project Name:	Elizabeth Gress Park - Sediment Control/Restoration	\$219,000
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.	
<hr/>		
Project Name:	Southwood Park Detention	\$131,000
Project Description:	This project will retrofit existing open space along Ball Creek to increase flood storage, storm water retention and water quality treatment.	
<hr/>		
Project Name:	Eena Road Drainage Improvements	\$235,000
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.	

UTILITIES - SURFACE WATER

Surface Water (cont.)

Unfunded		Total
Project Name:	Bayberry - Andrews Road Drainage Improvements	\$586,000
Project Description:	The roadside ditches along Bayberry are very flat and standing water remains for unacceptable periods of time. Runoff from Andrews Road and Rye Road contribute to the drainage problems as well. This project would include Low Impact Development Alternatives (LIDA) and extending an overflow pipe system to manage runoff that cannot infiltrate.	
Project Name:	Regional Water Quality Facility Retrofit	\$361,000
Project Description:	This facility was constructed under ODOT in 1984, and was built to retain stormwater runoff from the Boones Ferry Road 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.	
Project Name:	Sediment Basin Retrofits	\$392,000
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.	

UTILITIES - SURFACE WATER

Surface Water (cont.)

Unfunded		Total
Project Name:	Springbrook Creek Culvert Evaluation	\$362,000
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.	
Project Name:	Churchill Downs Drainage Improvements	\$51,000
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.	
Project Name:	Touchstone Drive Drainage Improvements	\$86,000
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 and trap sediment and debris.	
Project Name:	Cherry Crest Detention Water Quality Treatment Facility	\$597,000
Project Description:	Presently, most of the 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.	

UTILITIES - SURFACE WATER

Surface Water (cont.)

Unfunded	Total
<p>Project Name: Regional Stormwater Facility - Bergis/Stafford Road</p> <p>Project Description: This project is intended to construct regional stormwater facility to manage volume and treat water quality.</p>	\$651,000
<p>Project Name: Melrose Street Tributary Rehabilitation</p> <p>Project Description: The existing channel along Melrose street 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.</p>	\$257,000
<p>Project Name: Lower Boones Ferry Road - Lake Grove Urban Growth Boundary (UGB)</p> <p>Project Description: This project, as recommended in the Clean Streams Plan, would 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 storm water runoff.</p>	\$3,165,000
<p>Project Name: Water Reservoir Disconnect</p> <p>Project Description: Over the years, the City has constructed 16 water storage reservoir 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, the 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.</p>	\$700,000

UTILITIES - WASTEWATER

Wastewater	Funding Source	Budgeted 2014-15	Projected				Total
			2015-16	2016-17	2017-18	2018-19	
Funded/Projected							
Iron Mountain Sanitary Sewer and Pedestrian Bridge	Wastewater	315,000	45,000				360,000
Small Pump Station Upgrades - 3 Locations (PS-1)	Wastewater	900,000					900,000
Marylhurst Pump Station (PS-2)	Wastewater	310,000	1,545,000				1,855,000
Lake Bay Court Wastewater Rehabilitation	Wastewater	400,000					400,000
Terwilliger Blvd - Project Led by the City of Portland	Wastewater	100,000					100,000
Forest Highlands Trunk 1 (T-FH-1)	Wastewater			400,000	1,645,000		2,045,000
System Wide Pipe Repairs	Wastewater			100,000	500,000	500,000	1,100,000
Total		2,025,000	1,590,000	500,000	2,145,000	500,000	6,760,000
Unfunded							
			Rank				
I/I Reduction Program - Priority A Projects (G-3)	1	Wastewater					22,309,800
Blue Heron Trunk (T-BH-1 & T-BH-2)	2	Wastewater					2,305,140
Downtown Trunk 1 (T-DWN-1 & T-DWN-2)	2	Wastewater					586,070
East Mountain Park Trunk 2 (T-EMP-2 & T-EMP-3)	2	Wastewater					3,296,000
McVey Trunk (T-MCV-1 & T-MCV-2)	2	Wastewater					1,499,680
Riverfront Trunk 1 (T-RF-1)	2	Wastewater					78,280
Other Pipeline Repair Projects- Major Collectors (P-1)	2	Wastewater					3,620,450
Downtown Trunk 2 (T-DWN-3 & T-DWN-4)	3	Wastewater					126,690
Foothills Road Interceptor (T-L1-1)	3	Wastewater					416,120
Foothills Road Pump Station (PS-4)	3	Wastewater					409,940
Riverfront Trunk 2 (T-RF-2)	3	Wastewater					402,730
South Shore Trunk (T-SS-1)	3	Wastewater					264,710
Telemetry Feasibility Study and Implementation (PS-5)	3	Wastewater					407,880
West Mountain Park Trunk (T-WMP-1)	3	Wastewater					489,250
Willamette Pump Station (PS-3)	3	Wastewater					682,890
Flow Data Tracking (PS-6)	3	Wastewater					273,980
L5 Basin Trunk (T-L5-1)	4	Wastewater					96,820
Lakewood Trunk (T-LW-1)	4	Wastewater					167,890
East Mountain Park Trunk 1 (T-EMP-1)	4	Wastewater					262,650
Forest Highlands Trunk 2 (T-FH-2)	5	Wastewater					17,510
I/I Reduction Program - Priority B Projects (G-3)	5	Wastewater					15,835,000
L4 Trunk (T-L4-1)	5	Wastewater					175,100
New Pump Station (PS-7)	5	Wastewater					1,013,520
South Lake Trunk (T-SL-1)	5	Wastewater					79,310

UTILITIES - WASTEWATER

Wastewater (cont.)	Funding Source	Budgeted 2014-15	Projected				Total
			2015-16	2016-17	2017-18	2018-19	
Unfunded							
Canal Trunk (T-CAN-1 & P-CAN-1)	6	Wastewater					1,729,370
Southwood Trunk (P-SW-1)	6	Wastewater					426,420
Relocate Storm and Sanitary Sewer Mains	7	Wastewater					1,070,000
Rebuild Lift Station and Pressure Mains	7	Wastewater					705,000
Total			0	0	0	0	0 58,748,200

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	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Wastewater	Operating	315	45				360
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$315	\$45	\$-	\$-	\$-	\$360
Expenses	Design	85					85
	Proj. Admin	30	5				35
	Construction	200	40				240
							-
Expenses Total		\$315	\$45	\$-	\$-	\$-	\$360

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	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Wastewater	Operating	900					900
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$900	\$-	\$-	\$-	\$-	\$900
Expenses	Design	20					20
	Proj. Admin	135					135
	Construction	745					745
Expenses Total		\$900	\$-	\$-	\$-	\$-	\$900

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	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Wastewater	Operating	310	1,545				1,855
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$310	\$1,545	\$-	\$-	\$-	\$1,855
Expenses	Design	258	52				310
	Proj. Admin	52	51				103
	Construction		1,442				1,442
Expenses Total		\$310	\$1,545	\$-	\$-	\$-	\$1,855

UTILITIES - WASTEWATER

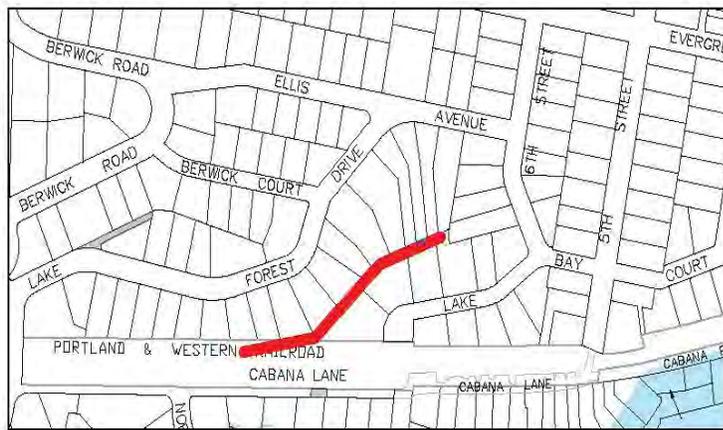
Project Name: Lake Bay Court Wastewater Rehabilitation

Project Description: This project is Phase two of a previously completed project. Phase one consisted of relining a pipeline that had reached the end of its useful life. Phase two will relocate and replace the remaining 500 feet of pipe that was not suitable for relining.

Funded/Unfunded: Funded

Estimated Completion Date: 2014

Justification: Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Wastewater	Operating	400					400
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$400	\$-	\$-	\$-	\$-	\$400
Expenses	Design	20					20
	Proj. Admin	100					100
	Construction	280					280
Expenses Total		\$400	\$-	\$-	\$-	\$-	\$400

UTILITIES - WASTEWATER

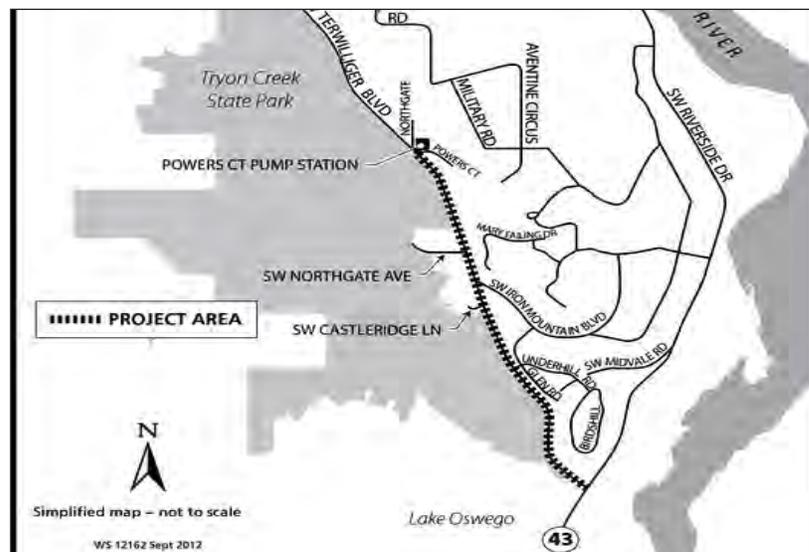
Project Name: **Terwilliger Boulevard Sanitary Sewer Line Extensions**

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: 2015

Justification: Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Wastewater	Operating	100					100
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$100	\$-	\$-	\$-	\$-	\$100
Expenses	Design						
	Proj. Admin						
	Construction	100					
Expenses Total		\$100	\$-	\$-	\$-	\$-	\$100

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: Funded

Estimated Completion Date: 2018

Justification: Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Wastewater	Operating			400	1,645		2,045
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$-	\$-	\$400	\$1,645	\$-	\$2,045
Expenses	Design			320	250		570
	Proj. Admin			80	90		170
	Construction				1,305		1,305
Expenses Total		\$-	\$-	\$400	\$1,645	\$-	\$2,045

UTILITIES - WASTEWATER

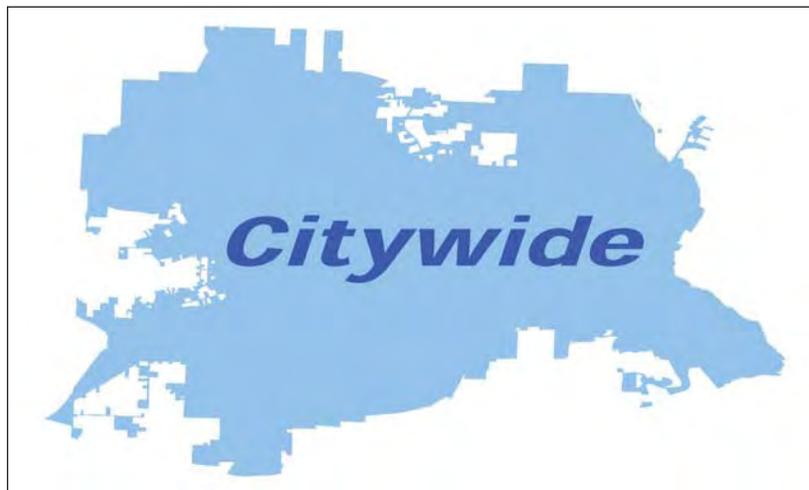
Project Name: **System Wide Pipe Repairs**

Project Description: This project will consist of repairing pipes as identified in the 2013 Wastewater Master Plan Update. The project will include condition assessment, design and construction. Pipes will be grouped together in bid packages based on the findings during the condition assessment activities. Grouping projects saves both time and money and rates attractive bid packages for contractors versus letting multiple small projects.

Funded/Unfunded: Funded

Estimated Completion Date: 2019

Justification: Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Wastewater	Operating			100	500	500	1,100
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$-	\$-	\$100	\$500	\$500	\$1,100
Expenses	Design			75	75	75	225
	Proj. Admin			25	25	25	75
	Construction				400	400	800
Expenses Total		\$-	\$-	\$100	\$500	\$500	\$1,100

UTILITIES - WASTEWATER

Wastewater

Unfunded	Total
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Project Name:	I/I Reduction Program - Priority A Projects (G-3)	\$22,309,800
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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.

Project Name:	Blue Heron Trunk (T-BH-1 & T-BH-2)	\$2,305,140
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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 the inspection reports.

Project Name:	Downtown Trunk 1 (T-DWN-1 & T-DWN-2)	\$586,070
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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 inspection reports.

Project Name:	East Mountain Park Trunk 2 (T-EMP-2 & T-EMP-3)	\$3,296,000
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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 the inspection reports. Two small segments in T-EMP-2 require replacement from 18-inch to 24-inch pipes.

Project Name:	McVey Trunk (T-MCV-1 & T-MCV-2)	\$1,499,680
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Project Description: This 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 the inspection reports.

UTILITIES - WASTEWATER

Wastewater (cont.)

Unfunded		Total
Project Name:	Riverfront Trunk 1 (T-RF-1)	\$78,280
Project Description:	This project will replace pipeline at Furnace St to Riverfront Trunk. The pipeline has less than 10 years of remaining useful life (RUL) and problems were indicated in the inspection reports.	
Project Name:	Other Pipeline Repair Projects for Major Collectors (P-1)	\$3,620,450
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.	
Project Name:	Downtown Trunk 2 (T-DWN-3 & T-DWN-4)	\$126,690
Project Description:	This project will replace existing 12-inch pipes with 15 & 18-inch pipes on 3rd St from Evergreen Rd to Waterfront to reduce potential surcharging with a 25-year storm.	
Project Name:	Foothills Road Interceptor (T-L1-1)	\$416,120
Project Description:	Foothills Road to Tryon Creek WTP. 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 the 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.	
Project Name:	Foothills Road Pump Station (PS-4)	\$409,940
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.	

UTILITIES - WASTEWATER

Wastewater (cont.)

Unfunded	Total
Project Name: Riverfront Trunk 2 (T-RF-2)	\$402,730
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.	
Project Name: South Shore Trunk (T-SS-1)	\$264,710
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.	
Project Name: Telemetry Feasibility Study and Implementation (PS-5)	\$407,880
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.	
Project Name: West Mountain Park Trunk (T-WMP-1)	\$489,250
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.	
Project Name: Willamette Pump Station (PS-3)	\$682,890
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.	

UTILITIES - WASTEWATER

Wastewater (cont.)

Unfunded		Total
Project Name:	Flow Data Tracking (PS-6)	\$273,980
Project Description:	This project will implement data logging and improve flow monitoring at the Bryant Rd, Marylhurst, Melrose and Willamette Pump Stations.	
Project Name:	L5 Basin Trunk (T-L5-1)	\$96,820
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 the inspection reports.	
Project Name:	Lakewood Trunk (T-LW-1)	\$167,890
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 the inspection reports.	
Project Name:	East Mountain Park Trunk 1 (T-EMP-1)	\$262,650
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.	
Project Name:	Forest Highlands Trunk 2 (T-FH-2)	\$17,510
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.	

UTILITIES - WASTEWATER

Wastewater (cont.)

Unfunded	Total
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Project Name:	I/I Reduction Program - Priority B Projects (G-3)	\$15,835,000
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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.

Project Name:	L4 Trunk (T-L4-1)	\$175,100
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Project Description: This project will replace pipeline from Lake Gove Swim Park to Railroad. Pipeline has less than 10 years of remaining useful life (RUL) and problems were indicated in the inspection reports.

Project Name:	New Pump Station (PS-7)	\$1,013,520
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Project Description: The new pump station will serve properties in Canal Basin to divert flow from Sough Lake Basin to Canal Basin.

Project Name:	South Lake Trunk (T-SL-1)	\$79,310
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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 the inspection reports.

UTILITIES - WASTEWATER

Wastewater (cont.)

Unfunded		Total
Project Name:	Canal Trunk (T-CAN-1 & P-CAN-1)	\$1,729,370
Project Description:	This project will expand the Oswego Canal from T-CAN-1 to Childs Rd Collector in order to serve the large area in Canal Basin that is expected to connect to the wastewater system in the future.	
Project Name:	Southwood Trunk (P-SW-1)	\$426,420
Project Description:	This project will expand the Southwood Collector for a new service in the Southwood Basin at Bangy Rd.	
Project Name:	Relocate Storm and Sanitary Sewer Mains	\$1,070,000
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 component, 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.	
Project Name:	Rebuild Lift Station and Pressure Mains	\$705,000
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.	

UTILITIES - WASTEWATER

FACILITIES

————— Projected —————

Facilities		Funding Source	Budgeted 2014-15	2015-16	2016-17	2017-18	2018-19	Total
Funded/Projected								
Iron Worker's Cottage - Phases 3 and 4		Tourism	74,000					74,000
Operations Facilities Replacement - total project cost is \$13 million		Operations	475,000					475,000
Library Improvements		Library Set Asides		950,000				950,000
Total			549,000	950,000	0	0	0	1,499,000
Unfunded								
	Rank							
City Hall Repairs	1	TBD						3,000,000
South Shore Fire Station - Construction	2	TBD						3,151,800
Total			0	0	0	0	0	6,151,800

FACILITIES

Project Name: **Iron Worker’s Cottage Rehabilitation - Phase 3**

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: 2015

Justification: Historic Restoration



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Tourism	Operating	74					74
	Property Sale						-
	Bonds						
	Grants						-
Resources Total		\$74	\$-	\$-	\$-	\$-	\$74
Expenses	Design	10					10
	Proj. Admin						
	Construction	64					64
							-
Expenses Total		\$74	\$-	\$-	\$-	\$-	\$74

Project Name: **Operations Facilities Replacement**

Project Description: One of the City Council’s goals is to replace the aging and inadequate Operations Center. The project was originally estimated to cost \$17 million, but City staff have reevaluated the site and believe it can be built for \$13 million or less. In FY 2014-15, staff anticipate beginning engineering and design of the building. Having facilities that will survive an earthquake is critical because in a severe earthquake, it is possible that first responders will need to rely on Operations staff to use heavy equipment to clear roadways.

Funded/Unfunded: Funded

Estimated Completion Date:

TBD

Justification: Council Goal, Periodic Asset Maintenance



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Operations	Operating	475					475
	Property Sale						-
	Bonds						-
	Grants						-
Resources Total		\$475	\$-	\$-	\$-	\$-	\$475
Expenses	Design	475					475
	Proj. Admin						
	Construction						-
							-
Expenses Total		\$475	\$-	\$-	\$-	\$-	\$475

FACILITIES

Project Name: **Library Improvements**
Project Description There is a need to build a larger library.
Funded/Unfunded: Funded
Estimated Completion Date: 2016
Justification: Economic Development



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
	Operating						-
	Property Sale						
	Bonds						
Library Set Asides	Other		950				950
Resources Total		\$-	\$950	\$-	\$-	\$-	\$950
Expenses	Design		950				950
	Proj. Admin						
	Construction						950
							-
Expenses Total		\$-	\$950	\$-	\$-	\$-	\$950

Facilities

Unfunded	Total
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Project Name:	City Hall Repairs	\$3,000,000
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Project Description:	Repair or replace the City Hall building.	
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Project Name:	South Shore Fire Station - Construction	\$3,151,800
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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.	
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FACILITIES

MISCELLANEOUS CAPITAL

—————Projected—————

Miscellaneous Capital	Funding Source	Budgeted 2014-15	2015-16	2016-17	2017-18	2018-19	Total
Funded/Projected							
No Funded Projects							0
Total			0	0	0	0	0
Unfunded							
	Rank						
Public Safety Systems Radio Upgrade for Police (Potential for Funding: Requested for 2017-18)	1	General					2,100,000
Total			0	0	0	0	2,100,000

MISCELLANEOUS CAPITAL

Miscellaneous Capital

Unfunded	Total
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Project Name:	Public Safety Systems Radio Upgrade for Police	\$2,100,000
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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 systems has been upgraded, paying on debt service out of operating over the next seven years. The next phase of upgrade has not been indentified at this time.	
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LARGE CAPITAL

—————Projected—————

Large Capital Equipment		Funding Source	Budgeted					Total
			2014-15	2015-16	2016-17	2017-18	2018-19	
Funded/Projected								
Fire Truck 211		General	1,044,000					1,044,000
Street Sweepers		Surface Water			250,000		280,000	530,000
Operations - High Pressure Cleaner Replacement for Wastewater Program		Wastewater		360,000				360,000
Total			1,044,000	360,000	250,000		0 280,000	1,934,000

Unfunded	Rank							
Fire Truck 212 -Potential for Funding: Requested for FY 2015-16	1	General						689,000
Fire Truck 210 -Potential for Funding: Requested for FY 2018-19	2	General						753,000
Total			0	0	0	0	0	1,442,000

LARGE CAPITAL

Project Name: **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	2014-15	2015-16	2016-17	2017-18	2018-19	Total
General	Operating	1,044					1,044
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$1,044	\$-	\$-	\$-	\$-	\$1,044
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase	1,044					1,044
Expenses Total		\$1,044	\$-	\$-	\$-	\$-	\$1,044

Project Name: **Street Sweepers**

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 2016-17, 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: 2019

Justification: Asset Management



Fiscal Year (\$ in 000's)

Revenue Source	Description	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Surface Water	Operating			250		280	530
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$-	\$-	\$250	\$-	\$280	\$530
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase			250		280	530
Expenses Total		\$-	\$-	\$250	\$-	\$280	\$530

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. HPC's have a recommended replacement of 10 years due to heavy wear caused by operating under routine high water pressure. HPCs can take as much as 270-360 days to bid and build. HPCs for Surface Water cannot 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	2014-15	2015-16	2016-17	2017-18	2018-19	Total
Wastewater	Operating		360				360
	SDC's						-
	Bonds						-
	Grants						-
Resources Total		\$-	\$360	\$-	\$-	\$-	\$360
Expenses	Design						-
	Proj. Admin						-
	Construction						-
	Purchase		360				360
Expenses Total		\$-	\$360	\$-	\$-	\$-	\$360

Large Capital Equipment

Unfunded	Total
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Project Name:	Fire Truck 212	\$689,000
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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.

Project Name:	Fire Truck 210	\$753,000
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Project Description: This request is for the scheduled replacement of Fire Engine 210, City vehicle #2189 a 2004 Pierce fire engine. The fire engine currently responds out of the West Lake 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.

LARGE CAPITAL

APPENDICES

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.

APPENDICES

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.

APPENDICES

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.

APPENDICES

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.

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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.

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.

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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 that enhance the business environment and stimulate private investment within designated urban renewal plan areas.

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 the implementation of two urban renewal plans:

- **2004 East End Redevelopment Plan Update** as amended through January 2013. This plan for downtown Lake Oswego authorizes investment in a variety of projects, including public parks, trails and plazas, streets and 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 Improvements and parking for the Lake Grove area. The Plan is available at: <http://www.ci.oswego.or.us/lora/lake-grove-urban-renewal-plan-adopted>

The tables on the following pages show projects and estimated costs for the East End Redevelopment Plan (March 2014) and Lake Grove Village Center Urban Renewal Plan (April 2014).

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East End Redevelopment Plan - Proposed Project Priorities March 2014

High Priority Projects (Year of Expenditure based on current project funding schedule)		Total
C	Street Improvements (4th Street)	\$1,200,000
E	B Avenue (State Street to 5th Street)	\$3,100,000
G	State Street Pedestrian/Bikeway (Sidewalk Improvements)	\$500,000
H,J	Redevelopment Opportunities (North Anchor, Block 137)	\$7,000,000
O	Civic Center (Public Safety Facility)	\$18,000,000
V	Public Improvements & Beautification (Trolley Ticket Station Parking)	\$350,000
W	Façade Grants (thru 2020)	\$650,000
Subtotal		\$30,800,000
Medium Priority Projects (Assume a Year of Expenditure of 2020)		Total
C	Street Improvements (3rd Street)	\$900,000
F	A Avenue Extension (4th Street to 6th Street)	\$1,100,000
I	Blocks 48 and 49 (1st Street Revitalization)	\$4,800,000
K	Block 45 (Safeway Site)	\$6,400,000
R	West of State Street (Between B Avenue and C Avenue)	\$6,000,000
T	Redevelopment Opportunities (Hotel)	\$1,200,000
V	Public Improvements & Beautification	\$900,000
Subtotal		\$21,300,000
Lower Priority Projects (Assume a Year of Expenditure of 2025)		Total
D	Transit Center	\$2,000,000
G	State Street Pedestrian/Bikeway	\$700,000
M	Block 46 (3rd Street to A Avenue)	\$2,200,000
P	Oswego Lakefront (Sundeleaf Plaza Phase 2)	\$11,400,000
Q	West of State Street (Between C Avenue and E Avenue)	\$5,200,000
S	East of State Street (Between A Avenue and B Avenue)	\$700,000
U	Evergreen Housing Redevelopment Site	\$2,800,000
Subtotal		\$25,000,000
Total Amended Plan Projects		\$77,100,000
Total Cost Estimate for Remaining Projects		77,100,000
Estimated Administrative Costs (thru 2025)		\$7,800,000
Total East End Costs Remaining (Beginning July 1, 2014)		84,900,000
Remaining Maximum Indebtedness Estimated for June 30, 2014		47,100,000
Balance to Complete Remaining Projects		-37,800,000

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Lake Grove Village Center Urban Renewal Plan - Project Priorities April 2014

Projects (Year of Expenditure based on current project funding schedule)	Total
Boones Ferry Road Improvements - Phase I (2016-2019)*	\$17,400,000
Boones Ferry Road Improvements - Phase II (2033-2035)**	\$8,900,000
Parking Improvements (2028-2030)**	\$3,400,000
Total Projects Cost	\$29,700,000
Total Cost Estimate for Remaining Projects	\$29,700,000
Estimated Administrative Costs (thru 2035)	\$3,500,000
Total Lake Grove Costs Remaining (Beginning July 1, 2014)	\$33,200,000
Remaining Maximum Indebtedness Estimated for June 30, 2014	\$36,000,000

Notes:

- * The total estimated cost of the Boones Ferry Road Phase I project is \$26.9 million, of which \$17.4 million could be paid for using tax increment financing. This is based on the 2013 Financial update for the urban renewal plan.
- ** Based on the 2013 financial update of the urban renewal plan.

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Lake Grove Village Center Urban Renewal Plan - Project Priorities April 2014

Projects (Year of Expenditure based on current project funding schedule)	Total
Boones Ferry Road Improvements - Phase I (2016-2019)*	\$17,400,000
Boones Ferry Road Improvements - Phase II (2033-2035)**	\$8,900,000
Parking Improvements (2028-2030)**	\$3,400,000
Total Projects Cost	\$29,700,000
Total Cost Estimate for Remaining Projects	\$29,700,000
Estimated Administrative Costs (thru 2035)	\$3,500,000
Total Lake Grove Costs Remaining (Beginning July 1, 2014)	\$33,200,000
Remaining Maximum Indebtedness Estimated for June 30, 2014	\$36,000,000

Notes:

- * The total estimated cost of the Boones Ferry Road Phase I project is \$26.9 million, of which \$17.4 million could be paid for using tax increment financing. This is based on the 2013 Financial update for the urban renewal plan.
- ** Based on the 2013 financial update of the urban renewal plan.

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