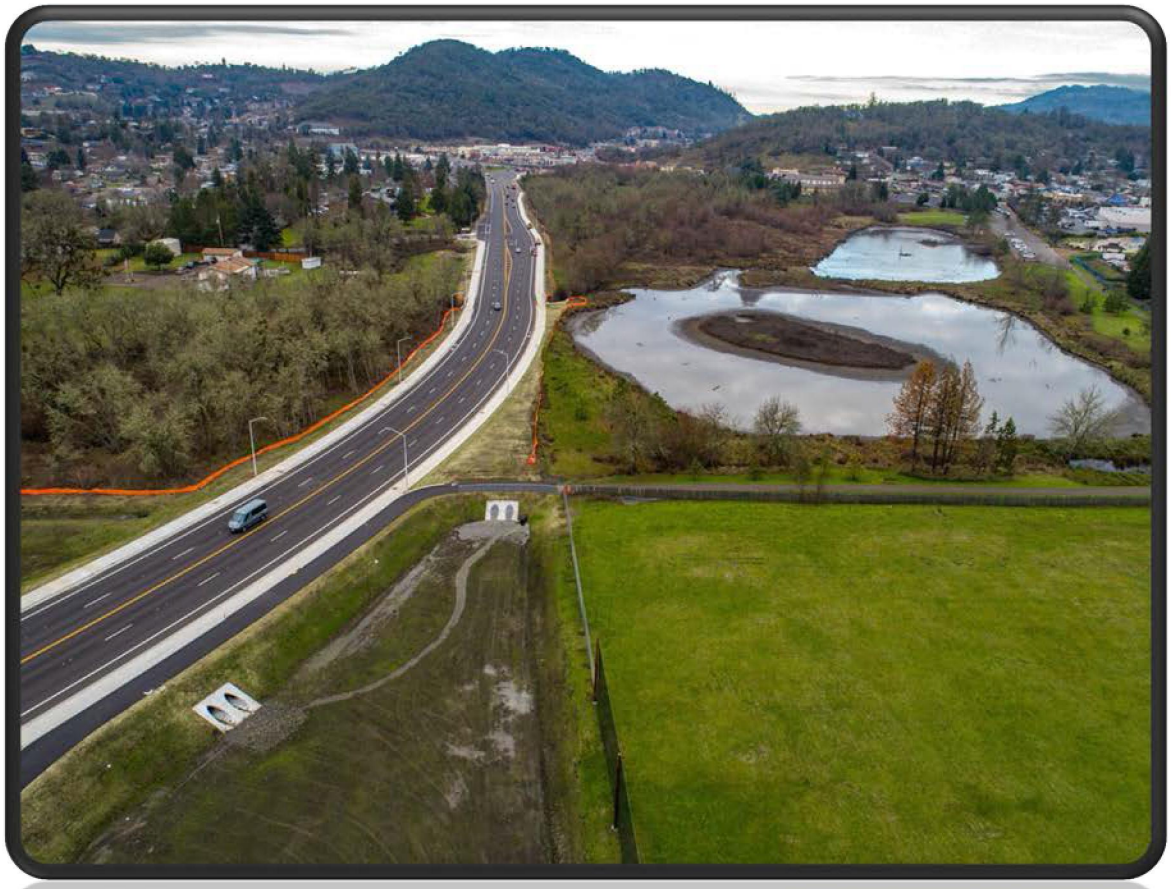


City of Roseburg
2018 – 2023
Capital Improvement Plan

Adopted March 26, 2018

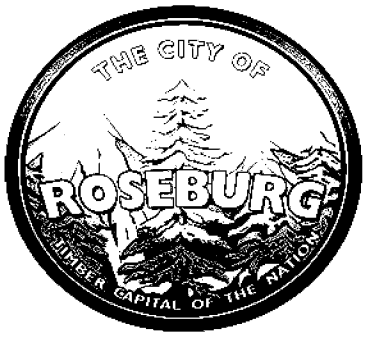

THE CITY OF
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CITY OF ROSEBURG

CAPITAL IMPROVEMENT PLAN

Introduction

A Capital Improvement Plan (CIP) is a five year plan for implementation of an organization's facility and infrastructure asset base improvement process. It is a financing and construction plan for projects that require significant capital investment. A CIP is essential to the future financial health of an organization and continued delivery of services to citizens and businesses.

The City of Roseburg reviews and updates the CIP at least every two years to reflect the needs of the community and changes in resources for financing capital projects. The CIP lists the City's capital improvement projects; places the projects in a priority order (subject to periodic review) and schedules the projects for funding and construction.

The CIP is a tool to be used in the development of responsible and progressive financial planning. The program is developed in accordance with the financial policies of the City. The policies and the CIP form the basis for making annual capital budget decisions and support the City's continued commitment to sound, long-range financial planning and direction.

The CIP identifies short and long-range capital projects of all types, which will be coordinated with the annual budget to maintain full utilization of available resources. For each capital project, the CIP includes a variety of information, including a project description and the service need it addresses, a proposed timetable, proposed funding levels and sources and, if applicable, estimated ongoing operating costs.

These projects and improvements will be prioritized by year and by funding source. Every attempt will be made to match projects with available funding sources. Future operating costs associated with a project will also be given consideration in the establishment of priorities. Ongoing operating costs are not included in the CIP.

Development of the Capital Improvement Program is a collaborative effort by the City's Leadership Team and our citizen commissions. Departments participate in CIP development via specific master plans and other planning tools. Projects are typically generated and prioritized through public processes. Major capital projects are taken to the City Council during the development stage and often at the funding stage if there are grants or other funding sources.

Program Area Descriptions

The CIP is divided into the following categories:

1) General-includes General Fund capital outlay, information technology, and grants
2) Bike Trail
3) Streetlights, sidewalks and traffic signals
4) Transportation
5) Park Improvements
6) Equipment Replacement
7) Urban Renewal
8) Facilities
9) Airport
10) Water
11) Storm Drainage

Project Types

Projects generally fall within the primary categories identified below:

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

Program Goals

- Provide quality management of the CIP and fiscally responsible decisions for the City Council.
- Provide updates to the Council on program implementation.
- Ensure timely information is provided to Finance and to the City Council for cost differences.
- Provide timely project starts and completions.

Performance Measures

- Transportation: provide adequate street funding to maintain the Pavement Condition Index at 72. Improve street and landscaping aesthetics and street surface ridership for vehicles and bicycles. Identify capacity projects as needed and look for opportunities to improve existing facilities through technology upgrades.
- Water: maintain water treatment and distribution system capacities to standards for a City this size including supply, fire flow requirements, treatment standards and public perception of quality.
- Storm Drains: Meet the Storm Water Management Plan requirements and adequately provide system capacity and update plan on a 5-year cycle.

What Projects Are in the CIP

Capital assets are defined as tangible and intangible assets acquired for use in operations that will benefit more than a single fiscal period. The Capital Improvement Program presents capital improvements and capital outlay. Capital improvements are expansions of or improvements to the City's physical structure such as buildings, land and improvements and infrastructure such as roads, bridges, sidewalks, lighting, parks and utility systems. Capital outlay is generally furniture, equipment, vehicles and technologies. The City's capitalization threshold is a minimum value of $5,000 and a life expectancy of at least three years. Projects costing less than $5,000 are not considered capital and are funded through operating budgets.

Projects in the CIP can include:

- Construction costs, i.e. labor, materials and contractors involved in completing a project,
- Acquisition of land or structures;
- Engineering or architectural services, professional studies or other administrative costs;
- Expenses for City vehicles, equipment, and technology; and
- Renovating or expanding City facilities.

Funding Overview
The CIP relies on a variety of funding sources to accomplish program projects. These include debt financing, tax increment revenues, user fees, general fund revenues, grants and system development charges.

The CIP is not a financing document in and of itself. Rather, the CIP is utilized as a planning document that places projects in the annual budget whereby funds are appropriated for them by the City Council. Prior to actual project work, required contracts are presented to the City Council for final approval of expending funds.

FY18/19 Program Summary
The proposed expenditures for FY18/19 are approximately $13.6 million. This is slightly higher than the budgeted capital expenditures in FY 17/18.

Proposed FY 2018-19 Capital Expenditures

Fund	**2018-19**
General Fund	$75,000
Bike Trail	$160,000
Sidewalk/Streetlight/Traffic Signals	$310,000
Transportation	$475,000
Park Improvement/Stewart Trust	$400,000
Equipment Replacement	$933,500
Urban Renewal	$4,325,000
Facilities	$3,021,000
Airport	$200,000
Water	$2,460,000
Storm Drainage	$1,210,000
Total All Funds	*$13,569,500*


THE CITY OF
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City of Roseburg
2018-2023 Capital Improvement Plan

100	GENERAL FUND/IT/OTHER/GRANT FUND						
	Project Description	**Estimated Cost**	**2018-2019**	**2019-2020**	**2020-2021**	**2021-2022**	**2022-2023**
	Copiers/Printers	45,000	9,000	9,000	9,000	9,000	9,000
	VMWare Enterprise Upgrade	18,000			18,000		
	Server Refresh	30,000		30,000			
	SAN Storage for Virtual Environment	66,000	66,000				
	GENERAL FUND/IT/OTHER/GRANT FUND TOTAL	**$159,000**	**$75,000**	**$39,000**	**$27,000**	**$9,000**	**$9,000**

250	BIKE TRAIL FUND						
	Project Description	**Estimated Cost**	**2018-2019**	**2019-2020**	**2020-2021**	**2021-2022**	**2022-2023**
	Multi-Use Path Upgrades - Grant Funding Required	750,000	150,000	150,000	150,000	150,000	150,000
	Repairs to existing multi-use trail system (non-capital)	50,000	10,000	10,000	10,000	10,000	10,000
	BIKE TRAIL TOTAL	**$800,000**	**$160,000**	**$160,000**	**$160,000**	**$160,000**	**$160,000**

290	SIDEWALK/STREETLIGHT/SIGNAL						
	Project Description	**Estimated Cost**	**2018-2019**	**2019-2020**	**2020-2021**	**2021-2022**	**2022-2023**
	ADA Upgrades	950,000	200,000	200,000	150,000	200,000	200,000
	Douglas Avenue TE Improvements Match (T)	125,000				125,000	
	Rifle Range LID (T)	100,000			100,000		
	Streetlighting in annexed areas	100,000	25,000	50,000	25,000		
	Wayfinding project	25,000	25,000				
	Sidewalk New Construction	50,000	10,000	10,000	10,000	10,000	10,000
	Sidewalk Reconstruction	200,000	40,000	40,000	40,000	40,000	40,000
	Traffic Signal Upgrades - Misc	50,000	10,000	10,000	10,000	10,000	10,000
	SIDEWALK/STREETLIGHT TOTAL	**$1,600,000**	**$310,000**	**$310,000**	**$335,000**	**$385,000**	**$260,000**

310	TRANSPORTATION						
	Project Description	**Estimated Cost**	**2018-2019**	**2019-2020**	**2020-2021**	**2021-2022**	**2022-2023**
	All Roads Transportation Safety (ARTS) Projects	550,000	250,000	300,000			
	Douglas Avenue TE Improvements	250,000				250,000	
	HBR - ODOT Bridge Replacement Matches	-					
	Douglas	830,000			830,000		
	Stewart Park Drive	1,342,520				1,342,520	
	Parker	362,000					362,000
	Rifle Range Street LID	500,000		100,000	400,000		
	Signal Interconnect Improvements (UR)	200,000	200,000				
	Stewart Park Bridge Approaches	100,000		100,000			
	Stewart Parkway - Harvey South Design	500,000				250,000	250,000
	Valley View Improvements	100,000				100,000	
	GIS/Mapping Improvements	65,000	25,000	25,000	5,000	5,000	5,000
	TRANSPORTATION TOTAL	**4,799,520**	**475,000**	**525,000**	**1,235,000**	**1,947,520**	**617,000**

(UR) - Project Description is in Urban Renewal Section
(T) - Project Description if in Transportation Section

City of Roseburg
2018-2023 Capital Improvement Plan

320 710	PARKS						
	Project Description	**Estimated Cost**	**2018-2019**	**2019-2020**	**2020-2021**	**2021-2022**	**2022-2023**
	Beulah Park Improvements	215,000	50,000	165,000			
	Deer Creek Path Erosion	100,000	100,000				
	Stewart Park Erosion	250,000	250,000				
	Property Acquisition/Playground development/Park Improvements	450,000			150,000	150,000	150,000
	Skate Park Improvements	25,000			25,000		
	PARKS TOTAL	**$1,040,000**	**$400,000**	**$165,000**	**$175,000**	**$150,000**	**$150,000**

330	EQUIPMENT REPLACEMENT						
	Project Description	**Estimated Cost**	**2018-2019**	**2019-2020**	**2020-2021**	**2021-2022**	**2022-2023**
	Finance						
	Fire	1,207,000	278,000	79,000	660,000	155,000	35,000
	Police	810,500	198,500	63,000	220,000	31,000	298,000
	Public Works - Administration	50,000	25,000		25,000		
	Public Works - Engineering	-					
	Public Works - Streets	975,000	310,000	250,000	40,000	35,000	340,000
	Parks	633,000	122,000	128,000	134,000	147,000	102,000
	EQUIPMENT REPLACEMENT TOTAL	**$3,675,500**	**$933,500**	**$520,000**	**$1,079,000**	**$368,000**	**$775,000**

350	URBAN RENEWAL						
	Project Description	**Estimated Cost**	**2018-2019**	**2019-2020**	**2020-2021**	**2021-2022**	**2022-2023**
	Airport Wetland Mitigation	150,000	150,000				
	Black Street Improvements	575,000	575,000				
	Downtown Façade Program (non-capital)	50,000	50,000				
	Downtown Improvements Phase 2	1,400,000	1,400,000				
	Edenbower/Stewart Parkway Left Turn	1,250,000	1,250,000				
	Garden Valley- Fairmount to Stephens	700,000	700,000				
	Traffic Signal Coordination/Conduit/Timing	200,000	200,000				
	URBAN RENEWAL TOTAL	**$4,325,000**	**$4,325,000**				

360	FACILITIES REPLACEMENT FUND						
	Project Description	**Estimated Cost**	**2018-2019**	**2019-2020**	**2020-2021**	**2021-2022**	**2022-2023**
	Fire Station #2	450,000	450,000				
	Fire Station #3	671,000	671,000				
	Library	1,900,000	1,900,000				
	FACILITIES REPLACEMENT FUND TOTAL	**$3,021,000**	**$3,021,000**				

(UR) - Project Description is in Urban Renewal Section
(T) - Project Description if in Transportation Section

520 AIRPORT FUND

Project Description	Estimated Cost	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Master Plan / ALP Update	200,000	200,000				
ODA Pavement Mgt	20,000			20,000		
Runway Lighting Rehab	766,667		766,667			
Taxiway Extension	1,397,000				85,000	1,312,000
AIRPORT TOTAL	**$2,383,667**	**$200,000**	**$766,667**	**$20,000**	**$85,000**	**$1,312,000**

530 WATER FUND

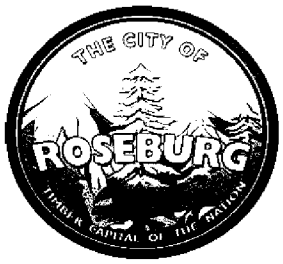
Project Description	Estimated Cost	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Land	25,000	5,000	5,000	5,000	5,000	5,000
Buildings and Structures	50,000	10,000	10,000	10,000	10,000	10,000
Equipment	235,000	20,000		130,000	85,000	
Water Vehicles	120,000	40,000	40,000		40,000	
Mapping/Plans	75,000	35,000	10,000	10,000	10,000	10,000
Main Replacements	2,935,500	255,000	450,000	730,500	750,000	750,000
New Mains	155,000	115,000	10,000	10,000	10,000	10,000
Plant Improvements	2,880,000	1,550,000	850,000	191,000	132,000	157,000
Reservoir Improvements	1,295,000	85,000	335,000	125,000	125,000	625,000
Transmission Main	5,920,000	345,000	2,625,000	1,650,000	700,000	600,000
LID	-	-	-	-	-	-
WATER TOTAL	**$13,690,500**	**2,460,000**	**$4,335,000**	**$2,861,500**	**$1,867,000**	**$2,167,000**

560 STORM DRAINAGE

Project Description	Estimated Cost	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Ballf Area Storm Drainage Phase 2	600,000		200,000	400,000		
Black Avenue Storm (UR)	100,000	100,000				
Broccoli -Tie In	160,000		160,000			
Calkins Area Phase 2A, 4 - Troost Street	525,000			75,000	450,000	
Cast in Place Pipe (CIPP)	2,500,000	700,000	600,000	400,000	400,000	400,000
Diamond Lake Blvd/Fulton Street Drainage Improvements	250,000				250,000	
Downtown Improvements Phase 2 (UR)	200,000	200,000				
Lookingglass Area Improvements	900,000				100,000	800,000
Nash/Jackson Area	1,000,000				100,000	900,000
Rainbow Storm Extenstion	250,000		250,000			
Rifle Range Street LID (T)	250,000			250,000		
Valley View LID (T)	100,000				100,000	
Wetland Mitigation Planting	100,000	100,000				
Buildings and Structures	50,000	10,000	10,000	10,000	10,000	10,000
Equipment Acquisition	80,000	40,000	10,000	10,000	10,000	10,000
Improvements - Mapping	35,000	10,000	10,000	5,000	5,000	5,000
Misc. Storm Improvements	250,000	50,000	50,000	50,000	50,000	50,000
STORM DRAINAGE TOTAL	**$7,350,000**	**$1,210,000**	**$1,290,000**	**$1,200,000**	**$1,475,000**	**$2,175,000**

TOTAL ALL FUNDS	**$42,844,187**	**$13,569,500**	**$8,110,667**	**$7,092,500**	**$6,446,520**	**$7,625,000**

(UR) - Project Description is in Urban Renewal Section
(T) - Project Description if in Transportation Section



(UR) - Project Description is in Urban Renewal Section
(T) - Project Description if in Transportation Section

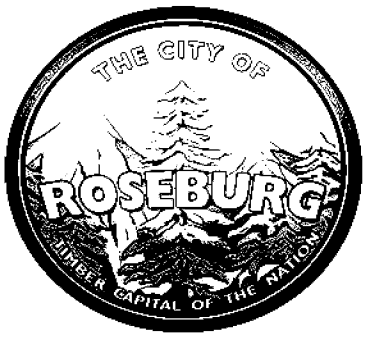
GENERAL FUND/IT/OTHER/GRANT FUND



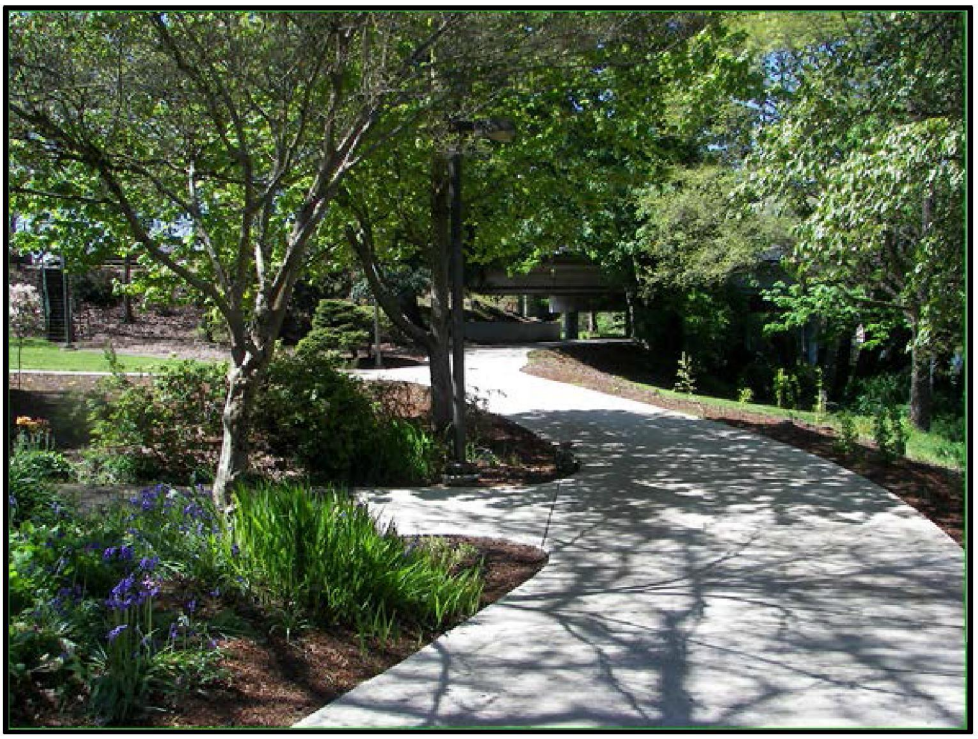
The Information Technology (IT) Division of the Finance Department was formed to provide centralized services for technology related issues within the organization. The division also develops technology enhancements that will provide our customer and citizen base with the most economical and efficient service options available.

This section accounts for Information Technology, General Fund capital expenditures, and General Fund grant expenditures.

100	GENERAL FUND/IT/OTHER/GRANT FUND						
	Project Description	**Estimated Cost**	**2018-2019**	**2019-2020**	**2020-2021**	**2021-2022**	**2022-2023**
	Copiers/Printers	45,000	9,000	9,000	9,000	9,000	9,000
	VMWare Enterprise Upgrade	18,000			18,000		
	Server Refresh	30,000		30,000			
	SAN Storage for Virtual Environment	66,000	66,000				
	GENERAL FUND/IT/OTHER/GRANT FUND TOTAL	**$159,000**	**$75,000**	**$39,000**	**$27,000**	**$9,000**	**$9,000**


THE CITY OF
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BIKE TRAIL PROJECTS



The Bike Trail Fund accounts for the state mandated 1% share of gasoline subventions and grant revenues for the construction of multi-use paths within the City boundaries. The projects in the Bike Trail Fund are coordinated through the Parks Division and Parks & Recreation Commission. Bike trails are located within many of the City's parks as well as adjacent to streets. The Bicycle and Pedestrian Plan was adopted in 2009 which identified priorities for bicycle and pedestrian facilities. Technically, repairs to existing paths are found in the Materials & Services portion of the Bike Trail Fund. Repairs have been included below for informational purposes.

250	BIKE TRAIL FUND						
	Project Description	**Estimated Cost**	**2018-2019**	**2019-2020**	**2020-2021**	**2021-2022**	**2022-2023**
	Multi-Use Path Upgrades - Grant Funding Required	750,000	150,000	150,000	150,000	150,000	150,000
	Repairs to existing multi-use trail system	50,000	10,000	10,000	10,000	10,000	10,000
	BIKE TRAIL TOTAL	**$800,000**	**$160,000**	**$160,000**	**$160,000**	**$160,000**	**$160,000**

BIKE TRAIL FUND
FINANCIALS

Bike Trail		18-19	19-20	20-21	21-22	22-23
Beg Fund		101,280	88,425	77,702	67,112	56,655
Rev		147,145	149,277	149,410	149,544	149,679
M&S		10,000	10,000	10,000	10,000	10,000
Capital		150,000	150,000	150,000	150,000	150,000
End Bal		88,425	77,702	67,112	56,655	46,334

Assumptions:

- Materials & Services (M&S) remain unchanged
  - M&S includes path repairs that are not complete reconstructions

- Revenues –
  - 80 % of capital (grants)
  - $10,000 from franchise fees
  - 1% from gas tax pass through

BIKE TRAIL PROJECTS



Multi-Use Path Upgrades – Grant Match/Repairs

This is money budgeted annually to provide matching funds for any grant opportunities which may become available and for repairs to the existing path system. Any off-highway project listed within the Bicycle and Pedestrian Plan, Parks Master Plan, or the Waterfront Development Plan may be considered when applying for grants to construct new sections of path. Grants may also be utilized to replace existing sections of path that have reached the end of their useful life or to widen existing paths. Projects are chosen based on meeting the granting program criteria and on need. Staff is in the process of applying for a grant to reconstruct a section of the path between Gaddis Park and Deer Creek.

	Total	**2018/19**	**2019/20**	**2020/21**	**2021/22**	**2022/23**
Capital Costs	**600,000**	150,000	150,000	150,000	150,000	150,000
M&S Costs	**50,000**	10,000	10,000	10,000	10,000	10,000
Funding Source						
Bike Trail	**650,000**	160,000	160,000	160,000	160,000	160,000

SIDEWALK/STREETLIGHT/SIGNAL PROJECTS



Revenue for this fund is provided via a transfer from the Hotel/Motel Tax Fund, set by ordinance at 32.89 percent of revenue collected from the hotel/motel occupancy tax. The fund is utilized for construction of new sidewalks, reconstruction of inadequate sidewalk facilities, construction of new streetlights and construction or improvements to traffic signals.

Many of the sidewalk projects are recommended in the City's Bicycle and Pedestrian Plan. Sidewalk and streetlight projects are often constructed in conjunction with other street improvement projects. ADA upgrades will be a one of the primary focuses during this five year planning period.

290	SIDEWALK/STREETLIGHT/SIGNAL						
	Project Description	**Estimated Cost**	**2018-2019**	**2019-2020**	**2020-2021**	**2021-2022**	**2022-2023**
	ADA Upgrades	950,000	200,000	200,000	150,000	200,000	200,000
	Douglas Avenue TE Improvements Match (T)	125,000				125,000	
	Rifle Range LID (T)	100,000			100,000		
	Streetlighting in annexed areas	100,000	25,000	50,000	25,000		
	Wayfinding project	25,000	25,000				
	Sidewalk New Construction	50,000	10,000	10,000	10,000	10,000	10,000
	Sidewalk Reconstruction	200,000	40,000	40,000	40,000	40,000	40,000
	Traffic Signal Upgrades - Misc	50,000	10,000	10,000	10,000	10,000	10,000
	SIDEWALK/STREETLIGHT TOTAL	**$1,600,000**	**$310,000**	**$310,000**	**$335,000**	**$385,000**	**$260,000**

(T) – Project description included in Transportation Section
(UR) – Project Description included in Urban Renewal Section

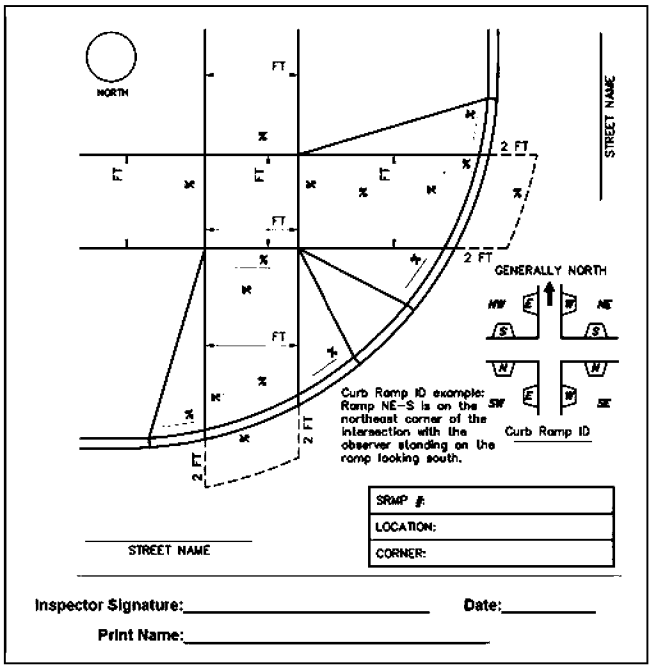
STREETLIGHT/SIDEWALK FUND
FINANCIALS

Sidewalk		18-19	19-20	20-21	21-22	22-23
Beg. Fund Balance		239,637	230,324	226,519	203,262	135,584
Revenue		381,000	390,525	400,288	410,295	420,553
M&S		80,313	84,329	88,546	92,973	97,622
Capital		310,000	310,000	335,000	385,000	260,000
Ending Fund Balance		230,324	226,519	203,262	135,584	198,516

Assumptions:

- Revenues increase 2.5% annually
- Materials & Services (M&S) increase 5% annually

SIDEWALK/STREETLIGHT/SIGNAL PROJECTS

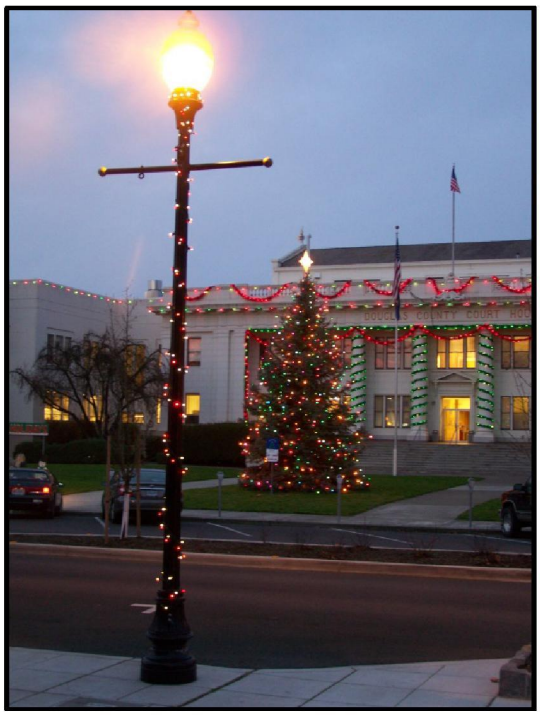


ADA Upgrades

In spring 2018, the City will finalize its ADA Transition Plan outlining how and when substandard ADA sidewalk access ramps and other features will be replaced. The funding identified below will contribute to making these improvements. Many of these improvements may be made as part of larger projects or as part of pavement rehabilitation projects.

	Total	**2018/19**	**2019/20**	**2020/21**	**2021/22**	**2022/23**
Capital Costs	**950,000**	200,000	200,000	150,000	200,000	200,000
Funding Source						
Sidewalk/Streetlight	**950,000**	200,000	200,000	150,000	200,000	200,000

SIDEWALK/STREETLIGHT/SIGNAL PROJECTS

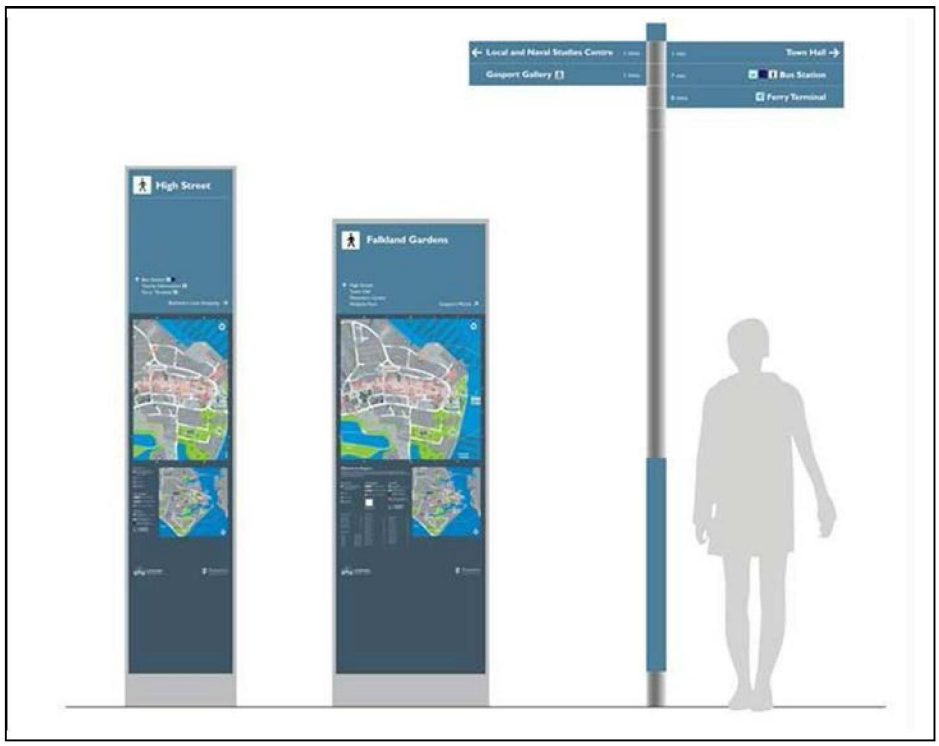


Streetlighting in Annexed Areas

Over the past few years, the City has annexed areas into the City Limits from the Urban Growth Boundary. Some of these were delayed annexations that have now been incorporated. Money has been budgeted to begin adding streetlights in these areas.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**100,000**	25,000	50,000	25,000		
Funding Source						
Sidewalk/Streetlight	**100,000**	25,000	50,000	25,000		

SIDEWALK/STREETLIGHT/SIGNAL PROJECTS



Wayfinding Project

Money has been budgeted to design and implement a wayfinding project to enable visitors to identify their location and destinations in and around the Heart of Roseburg.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**25,000**	25,000				
Funding Source						
Sidewalk/Streetlight	**25,000**	25,000				

SIDEWALK/STREETLIGHT/SIGNAL PROJECTS



Sidewalk New Construction

Money is budgeted annually in this line item to provide funding for small sidewalk projects to fill in gaps where needed. In 2019/20 this funding may be dedicated to installing sidewalks at Beulah Park as part of a grant project.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**50,000**	10,000	10,000	10,000	10,000	10,000
Funding Source						
Sidewalk/Streetlight	**50,000**	10,000	10,000	10,000	10,000	10,000

SIDEWALK/STREETLIGHT/SIGNAL PROJECTS



Sidewalk Reconstruction

This annual project is also known as the sidewalk rehabilitation program. The program pays the cost of labor for residential sidewalk reconstruction. The abutting property owner is required to pay for the cost of the materials. Public Works Engineering administers this program, which is typically budgeted at $40,000 annually.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**200,000**	40,000	40,000	40,000	40,000	40,000
Funding Source						
Sidewalk/Streetlight	**200,000**	40,000	40,000	40,000	40,000	40,000

SIDEWALK/STREETLIGHT/SIGNAL PROJECTS



Traffic Signal Upgrade - Misc

This is annual funding set aside to make small improvements to signalized intersections to improve access, capacity, safety, or energy related issues. Recent projects include updating the traffic signal controllers and pedestrian heads at existing signalized intersections.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**50,000**	10,000	10,000	10,000	10,000	10,000
Funding Source						
Sidewalk/Streetlight	**50,000**	10,000	10,000	10,000	10,000	10,000

TRANSPORTATION PROJECTS



The Transportation Fund accounts for the financial resources used for infrastructure construction and major improvements other than those related to drainage, parks and proprietary fund assets. Historically, street reconstruction and new street projects have been funded through this fund.

The Public Works Department administers the Transportation Capital Improvement Fund with oversight from the Public Works Commission. Funding mechanisms include state gas tax subventions, system development charges, franchise fees and State Transportation Plan funds.

310	TRANSPORTATION						
	Project Description	**Estimated Cost**	**2018-2019**	**2019-2020**	**2020-2021**	**2021-2022**	**2022-2023**
	All Roads Transportation Safety (ARTS) Projects	550,000	250,000	300,000			
	Douglas Avenue TE Improvements	250,000				250,000	
	HBR - ODOT Bridge Replacement Matches	-					
	Douglas	830,000			830,000		
	Stewart Park Drive	1,342,520				1,342,520	
	Parker	362,000					362,000
	Rifle Range Street LID	500,000		100,000	400,000		
	Signal Interconnect Improvements (UR)	200,000	200,000				
	Stewart Park Bridge Approaches	100,000		100,000			
	Stewart Parkway - Harvey South Design	500,000				250,000	250,000
	Valley View Improvements	100,000				100,000	
	GIS/Mapping Improvements	65,000	25,000	25,000	5,000	5,000	5,000
	TRANSPORTATION TOTAL	**4,799,520**	**475,000**	**525,000**	**1,235,000**	**1,947,520**	**617,000**

TRANSPORTATION FUND
FINANCIALS

Revenue	18-19	19-20	20-21	21-22	22-23
Franchise	512,171	527,536	543,362	559,663	576,453
STP	200,000	200,000	200,000	200,000	200,000
Gas Tax	1,314,529	1,327,674	1,340,951	1,354,361	1,367,904
HB2017	400,000	600,000	600,000	600,000	600,000
SDCs	100,000	100,000	100,000	100,000	100,000
ARTS/VA	225,000	237,946		700,000	
Interest	12,000	12,000	12,000	12,000	12,000
Total Revenue	2,763,700	3,005,157	2,796,313	3,526,024	2,856,357

Revenue Assumptions:

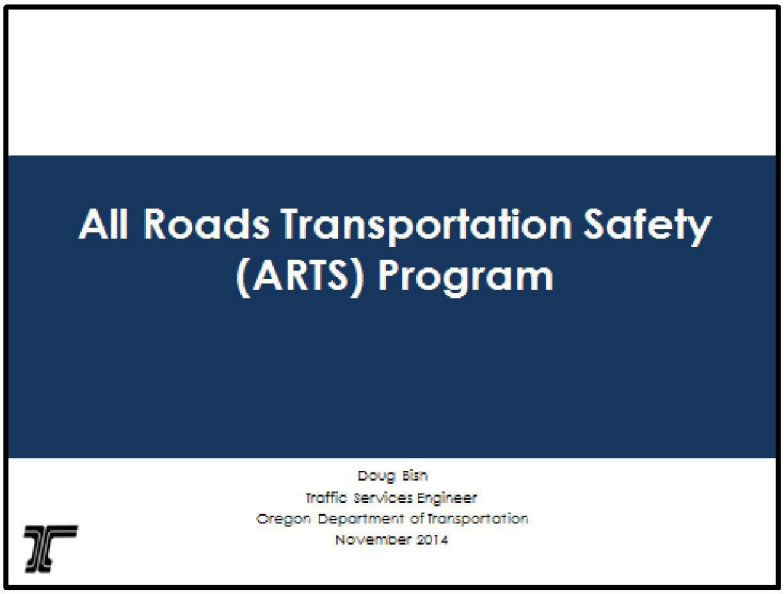
- Franchise Fees increase 3% annually
- Gas Tax revenue increases 1% annually
- Higher TSDC revenues

Transportation		18-19	19-20	20-21	21-22	22-23
Beg. Fund Balance		1,580,642	1,483,692	1,997,762	1,138,702	266,669
Revenue		2,538,700	3,230,157	2,796,313	3,526,024	2,856,357
M&S		943,505	971,810	1,000,964	1,030,993	1,061,923
Pavement Mgt		1,200,000	1,200,000	1,400,000	1,400,000	1,400,000
Capital		475,000	525,000	1,235,000	1,947,520	617,000
Bike Fund Transfer		17,145	19,277	19,410	19,544	19,679
Ending Fund Balance		1,483,692	1,997,762	1,138,702	266,669	24,424

Expenditure Assumptions:

- Materials & Services (M&S) increase 3% annually

TRANSPORTATION PROJECTS

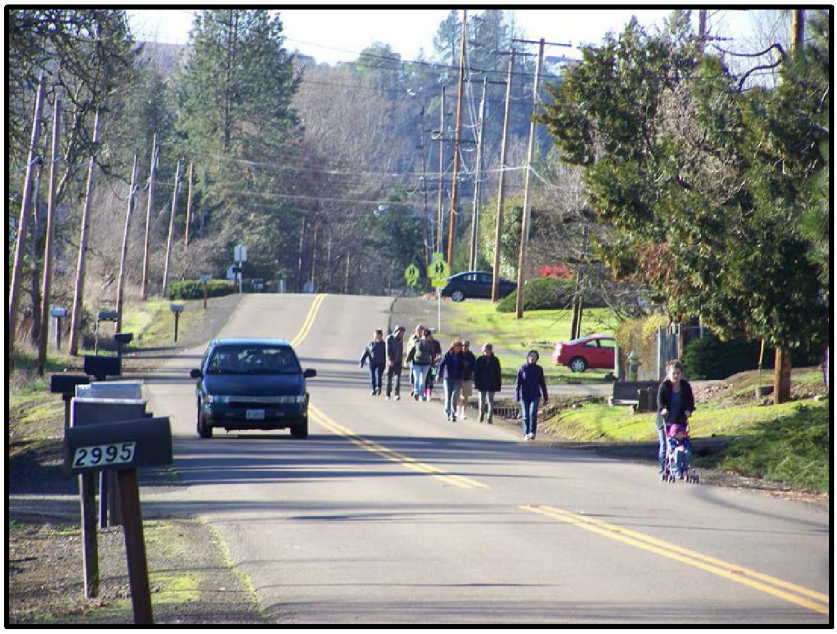


All Roads Transportation Safety (ARTS) Project

The City has applied for and received a grant to make safety improvements in multiple places throughout Roseburg. Improvements include pedestrian crossing improvements on Stephens Street and Harvard, countdown pedestrian heads and other improvements to existing traffic signals on Stewart Parkway.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Cost	550,000	250,000	300,000			
Funding Source						
ARTS funding	**462,946**	225,000	237,946			
Transportation	**87,054**	25,000	62,054			

TRANSPORTATION PROJECTS



Douglas Avenue Improvements

The City will be working with ODOT to apply for a Transportation Enhancement project to make improvements to Douglas Avenue from Stephens Street to the City Limits. Improvements west of Deer Creek would include improved ADA access ramps, street lighting, signage and striping to accommodate bicycles. Improvements east of Deer Creek would include widening to include bike lanes, curb, gutter, storm drainage, sidewalks and street lighting. The project may also include improvements to the multi-use path and pedestrian bridge connecting Eastwood Park to Eastwood School and an enhanced crossing treatment where the path meets Douglas Avenue. The project is dependent upon receiving grant funding. The funding shown below is the matching funds.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Cost	375,000				375,000	
Funding Source						
Transportation	**250,000**				250,000	
Sidewalk/Streetlight	**125,000**				125,000	

TRANSPORTATION PROJECTS



HBR – ODOT Bride Replacement Grant Matches

The City has applied to ODOT for funding to replace three bridges that are functionally obsolete based on the latest bridge inspection reports. The three bridges are on Douglas Avenue, Stewart Park Drive (Green Bridge) and Parker Street. The costs programmed below are for the match portion required to complete these bridge replacement projects.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Cost						
Douglas	830,000			830,000		
Stewart Park Drive	1,342,520				1,342,520	
Parker	362,000					362,000
Funding Source						
Transportation	**2,534,520**			830,000	1,342,520	362,000

TRANSPORTATION PROJECTS



Rifle Range Street LID

Staff is considering formation of a Local Improvement District to fund improvements to Rifle Range Street. The project would serve a residential area north of Diamond Lake Boulevard. The overall project would reside in the Assessment Improvement Fund. Funds shown below would be the City's potential contribution to the overall project.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Cost	850,000		100,000	750,000		
Funding Source						
Transportation	**500,000**		100,000	400,000		
Sidewalk/Streetlight	**100,000**			100,000		
Storm Drainage	**250,000**			250,000		

TRANSPORTATION PROJECTS



Stewart Parkway Bridge Approaches

This project will address the issues with the bridge approaches on either side of the Stewart Parkway Bridge over the South Umpqua River. The intent is to better define the cause of the approach shifts and to identify potential solutions and costs associated with the construction of those solutions.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Cost	100,000		100,000			
Funding Source						
Transportation	**100,000**		100,000			

TRANSPORTATION PROJECTS



Stewart Parkway – Harvey to Harvard - Design

This project would be the final phase of the multi-phase Stewart Parkway Improvements. The project would connect to recently completed improvements near the YMCA and complete the section south to Harvard Avenue. The improvements would include a new bridge or bridge widening to accommodate additional travel lanes. Funding shown below would be targeted at alternative analysis and design.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**500,000**				250,000	250,000
Funding Source						
Transportation	500,000				250,000	250,000

TRANSPORTATION PROJECTS



Valley View Drive LID

This project would improve Valley View Drive between Keasey Street and Kline Street. This is the only section of Valley View that has not previously been improved. Staff is considering formation of a Local Improvement District to fund this project. The funding outlined below would be the City's potential contribution to an LID project. The overall project funding would reside in the Assessment Improvement Fund.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Cost	300,000				300,000	
Funding Source						
Transportation	**100,000**				100,000	
Sidewalk/Streetlight	**100,000**				100,000	
Storm Drainage	**100,000**				100,000	

TRANSPORTATION PROJECTS



Mapping Improvements

Money budgeted annually for maintaining the City's GIS system related to transportation. Funds will be used for maintaining/upgrading the computer system, handheld GPS units and related software and technical support. The City is currently working with a consultant to convert our GIS data to a more standardized platform. This work is expected to continue into FY 2018-19.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**65,000**	25,000	25,000	5,000	5,000	5,000
Funding Source						
Transportation	**65,000**	25,000	25,000	5,000	5,000	5,000

PARKS PROJECTS

PARK IMPROVEMENT/STEWART TRUST FUNDS

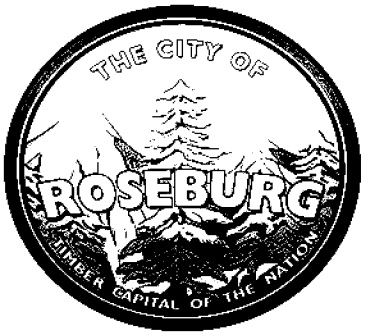


The City of Roseburg owns and manages 362 acres of park land. The parks range in size from 0.2 to over 200 acres. The park system includes five mini-parks, three neighborhood parks, three community parks, one regional park, four special use areas and three natural areas/greenways. In addition, the Parks Division maintains beautification areas throughout the City.

In 2008 a Parks Master Plan was completed. The Plan was developed to guide the City in continuing to provide quality parks and recreation facilities that meet the needs of the community over the next two decades.

Projects within parks are generally accomplished with a combination of grant funding, Park Improvement Funds and/or Stewart Trust Funds for projects occurring within Stewart Park. In recent history, Urban Renewal Funds have been used as a grant matching source for projects located within the Urban Renewal District.

320 710	PARKS						
	Project Description	**Estimated Cost**	**2018-2019**	**2019-2020**	**2020-2021**	**2021-2022**	**2022-2023**
	Beulah Park Improvements	215,000	50,000	165,000			
	Deer Creek Path Erosion	100,000	100,000				
	Stewart Park Erosion	250,000	250,000				
	Property Acquisition/Playground development/Park Improvements	450,000			150,000	150,000	150,000
	Skate Park Improvements	25,000			25,000		
	PARKS TOTAL	**$1,040,000**	**$400,000**	**$165,000**	**$175,000**	**$150,000**	**$150,000**


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PARKS PROJECTS



Beulah Park Improvements

All play equipment has been removed from Beulah Park due to safety concerns regarding the aging equipment. Planned improvements include a site master plan, new play equipment, a new sidewalk abutting the street, a new walkways within the park.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**215,000**	50,000	165,000			
Funding Source						
Grant	**129,000**	30,000	99,000			
Park Improvement	**76,000**	20,000	56,000			
Sidewalk Fund	**10,000**		10,000			

PARKS PROJECTS



Deer Creek Path Erosion Repairs

A high water event in December of 2015 caused significant erosion near the multi-use path between Deer Creek and Gaddis Park. The City has received federal funding via FEMA to repair the eroded area in order to prevent additional loss of river bank in an area where the path runs between the river and the railroad.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**100,000**	100,000				
Funding Source						
FEMA Grant	**75,000**	75,000				
Park Improvement	**25,000**	25,000				

PARKS PROJECTS



Stewart Park Erosion Repairs

A high water event in December of 2015 caused significant erosion in Stewart Park between the half-shell and the Stewart Parkway Bridge. The City has received federal funding via FEMA to repair the eroded area in order to prevent additional loss of river bank within the park. City staff has made emergency repairs near the main irrigation pumping station in order to protect this asset until such time as the erosion repairs are completed.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**250,000**	250,000				
Funding Source						
FEMA Grant	**187,500**	187,500				
Park Improvement	**37,500**	37,500				
Stewart Trust	**25,000**	25,000				

PARKS PROJECTS



Property Acquisition/Playground Development/Park Improvements

Specific projects have not necessarily been identified for these future, grant funded projects. In 2013, the City Council voted to sell Willis Park with the Willis House in downtown Roseburg. Twenty five percent of the net sale has been dedicated to the Park Improvement Fund for the purpose of park land acquisition. The location of this property has not been finalized, but may be the land adjacent to Brown Park. Development of any new park land will be contingent upon a successful grant application. Other current park needs include redeveloping aging play structures and other aging amenities such as basketball courts, tennis courts, etc.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**450,000**			150,000	150,000	150,000
Funding Source						
Park Improvement	**270,000**			90,000	90,000	90,000
Grant	**180,000**			60,000	60,000	60,000

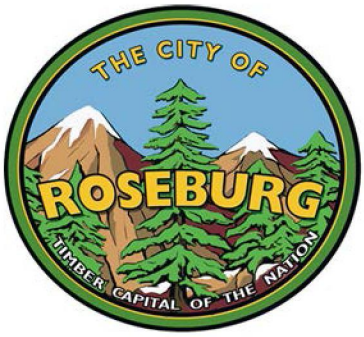
PARKS PROJECTS



Skate Park Improvements

The Parks Master Plan recommends improvements to the Skate Park within Stewart Park. Improvements may include a new area for beginners, shade structure, spectator seating, and landscaping improvements. Improvements would be at least partially grant funded and could include a community support as a funding component.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**25,000**			25,000		
Funding Source						
Stewart Trust Fund	**10,000**			10,000		
Grant Fund	**10,000**			10,000		
Community Support	**5,000**			5,000		


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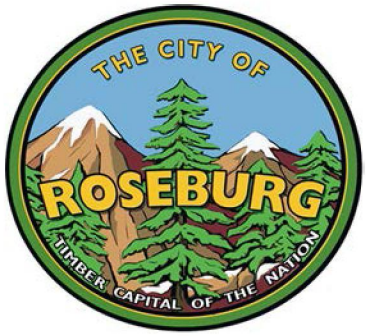
EQUIPMENT REPLACEMENT



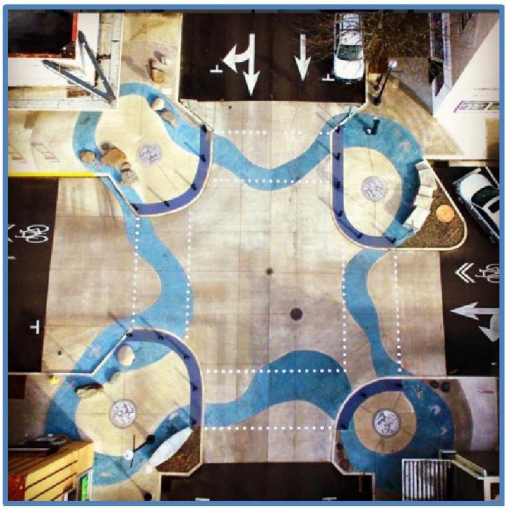
The Equipment Replacement Fund was established a number of years ago to provide assurance that funding would be available to provide for major vehicle acquisitions. By annually transferring resources from the General Fund, budget fluctuations in tax-supported funds can be minimized.

The City maintains a vehicle replacement policy that calls for replacement of different types of vehicles at different intervals. Evaluations are made based on vehicle performance, maintenance history and job requirements for which the vehicle is used. Many vehicles are reassigned after the primary use of the vehicle can no longer be accomplished.

330	EQUIPMENT REPLACEMENT						
	Project Description	**Estimated Cost**	**2018-2019**	**2019-2020**	**2020-2021**	**2021-2022**	**2022-2023**
	Finance						
	Fire	1,207,000	278,000	79,000	660,000	155,000	35,000
	Police	810,500	198,500	63,000	220,000	31,000	298,000
	Public Works - Administration	50,000	25,000		25,000		
	Public Works - Engineering	-					
	Public Works - Streets	975,000	310,000	250,000	40,000	35,000	340,000
	Parks	633,000	122,000	128,000	134,000	147,000	102,000
	EQUIPMENT REPLACEMENT TOTAL	**$3,675,500**	**$933,500**	**$520,000**	**$1,079,000**	**$368,000**	**$775,000**


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URBAN RENEWAL PROJECTS



The North Roseburg Urban Renewal Plan was adopted in 1989. The principle source of funding is tax increment revenue. In 2005, the second amendment to the plan was adopted. This amendment adjusted the boundary of the Urban Renewal District to include the downtown core area. Projects included in this CIP reflect those remaining in the original plan as well as those adopted in the second amendment. This Urban Renewal District will expire in September of 2019. Projects have been programmed through fiscal year 2018-19.

The City is currently working on the formation of a new Urban Renewal Area targeted for the Diamond Lake Boulevard/Highway 138E Area. The new area has not yet been adopted, so projects for this area have not been included in this version of the plan.



350	URBAN RENEWAL						
	Project Description	**Estimated Cost**	**2018-2019**	**2019-2020**	**2020-2021**	**2021-2022**	**2022-2023**
	Airport Wetland Mitigation	150,000	150,000				
	Black Street Improvements	575,000	575,000				
	Downtown Façade Program (non-capital)	50,000	50,000				
	Downtown Improvements Phase 2	1,400,000	1,400,000				
	Edenbower/Stewart Parkway Left Turn	1,250,000	1,250,000				
	Garden Valley- Fairmount to Stephens	700,000	700,000				
	Traffic Signal Coordination/Conduit/Timing	200,000	200,000				
	URBAN RENEWAL TOTAL	**$4,325,000**	**$4,325,000**				


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URBAN RENEWAL PROJECTS



Airport Wetland Mitigation

This will address existing wetlands located just west of the new north apron area. These wetlands will have to be mitigated in order to fill this area to the elevation of the rest of the airport. Mitigation will most likely involve purchasing credits from a wetland bank.

	Total	**2018/19**
Capital Costs	**150,000**	150,000
Funding Source		
Urban Renewal	**150,000**	150,000

URBAN RENEWAL PROJECTS



Black Street Improvements

Black Street is a local street that parallels Garden Valley Boulevard west of Interstate Five. This project will improve the existing section of Black Street from Estelle Street west to the Garden Valley Shopping Center.

	Total	**2018/19**
Capital Costs	**675,000**	675,000
Funding Source		
Urban Renewal	**500,000**	500,000
Storm	**100,000**	100,000
RUSA	**75,000**	75,000

URBAN RENEWAL PROJECTS



Downtown Façade Program

This project will extend the existing downtown façade program. The program will provide for a façade improvement matching program for the businesses located within the Downtown Business District. The intent is to provide a mechanism to facilitate rehabilitating the appearance and function of the building facades.

	Total	2018/19
Capital Costs	**50,000**	50,000
Funding Source		
Urban Renewal	**50,000**	50,000

URBAN RENEWAL PROJECTS

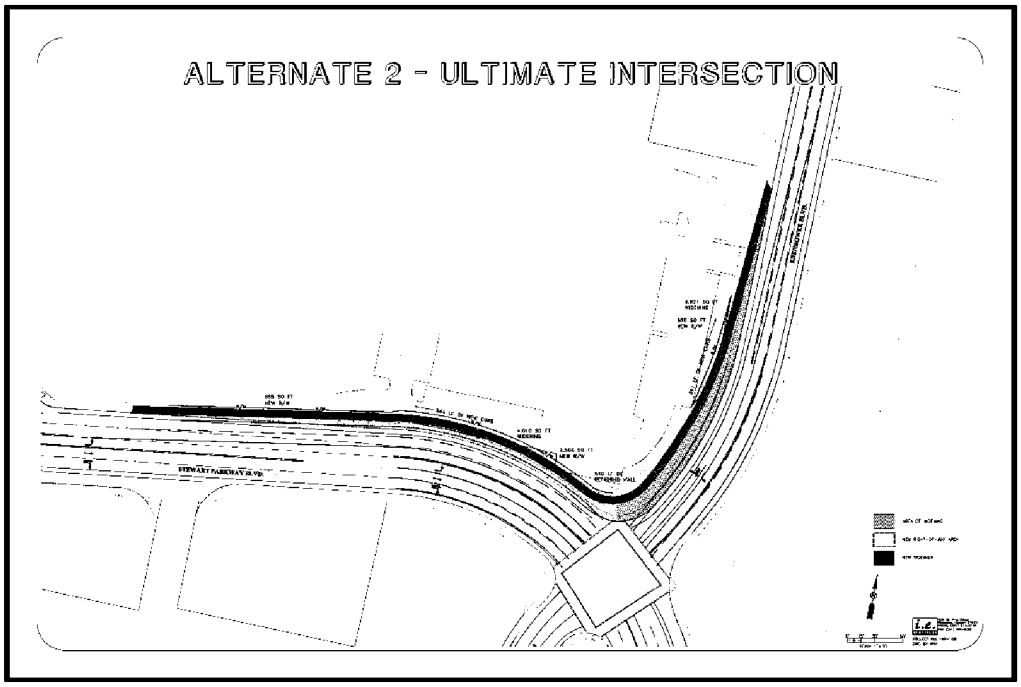
Downtown Improvements Phase 2

This project will build on those improvements accomplished with the Washington/Oak Project. The project will focus on ADA improvements, making the area more pedestrian friendly and adding amenities that draw customers to the downtown core.



	Total	2018/19
Capital Costs	**1,400,000**	1,400,000
Funding Source		
Urban Renewal	**1,250,000**	1,250,000
RUSA	**150,000**	150,000

URBAN RENEWAL PROJECTS



Edenbower/Stewart Parkway Left Turn Lane

The City has previously studied this intersection to define future needed improvements. That study and the Intersection Area Management Plan (IAMP) for I-5 Exit 127 both indicate that a dual left turn from eastbound Stewart Parkway to northbound Edenbower should be installed.

	Total	2018/19
Capital Costs	**1,250,000**	1,250,000
Funding Source		
Urban Renewal	**1,250,000**	1,250,000

URBAN RENEWAL PROJECTS



Pavement Management - Overlays

Utilizing Urban Renewal Funding to structurally reconstruct sections of arterials located within the district will help to prolong the life of the arterial street system in a way that cannot currently be accomplished utilizing transportation funding alone. The remaining street that is programmed for funding is Garden Valley between Fairmount and Stephens Street.

	Total	**2018/19**
Capital Costs		
Garden Valley	700,000	700,000
Funding Source		
Urban Renewal	**700,000**	700,000

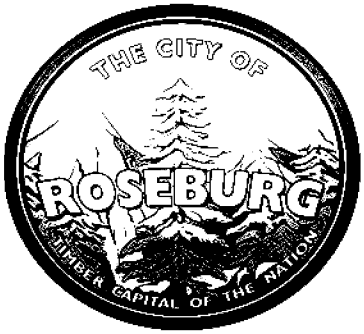
URBAN RENEWAL PROJECTS



Traffic Signal Coordination/Conduit/Timing

These would be separate projects that would work towards coordinating traffic signals on arterials within Roseburg to increase efficiency of the transportation system.

	Total	**2018/19**
Capital Costs	**200,000**	200,000
Funding Source		
Urban Renewal	**200,000**	200,000


THE CITY OF
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FACILITY PROJECTS



In 2007, the City commissioned a Facility Condition Assessment Report for all City facilities. The report included approximately $1 million in deferred or immediate maintenance needs. An additional $5 million worth of improvements over the first five years of the report was also outlined. Many of the City facilities are used past what is considered their useable life.

There are three projects currently funded in the Facilities Fund. The Fire Station 2 and Fire Station 3 projects are seismic remodels primarily funded through a state grant. The Library Improvement Project will include interior remodel and upgrades to facilitate reopening the library and moving the Douglas Education Services District into the east half of the building.

There are additional needs at City owned facilities. These projects are not currently funded and have not been included in this version of the plan.

360	FACILITIES REPLACEMENT FUND						
	Project Description	**Estimated Cost**	**2018-2019**	**2019-2020**	**2020-2021**	**2021-2022**	**2022-2023**
	Fire Station #2	450,000	450,000				
	Fire Station #3	671,000	671,000				
	Library	1,900,000	1,900,000				
	FACILITIES REPLACEMENT FUND TOTAL	**$3,021,000**	**$3,021,000**				

Fund 360

Facilities		18-19
Beg Fund		166,704
Rev		2,963,860
M&S		61,274
Capital		3,021,000
End Bal		48,290

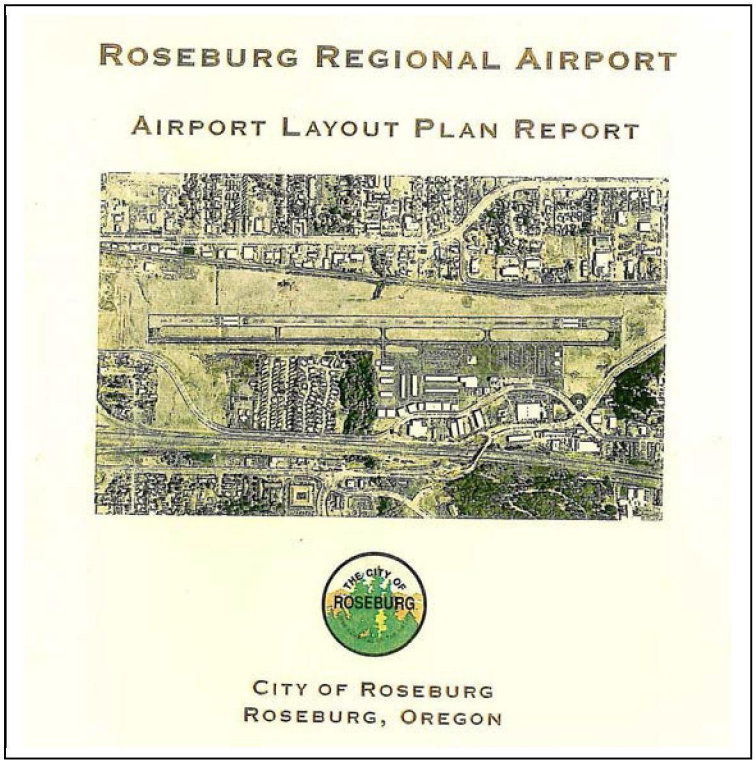
AIRPORT PROJECTS



The Airport Fund was separated from Economic Development Fund in 2002 to account for revenues and expenditures of the Roseburg Regional Airport. Primary operating revenues are from fuel sales and lease income. The fund depends on federal grants from the Federal Aviation Administration for most airport construction and major improvements. The airport is located within the boundary of the current Urban Renewal District, which expires in September of 2019. Matching funds for FAA grants have often been provided by the Urban Renewal Fund.

520	AIRPORT FUND						
	Project Description	**Estimated Cost**	**2018-2019**	**2019-2020**	**2020-2021**	**2021-2022**	**2022-2023**
	Master Plan / ALP Update	200,000	200,000				
	ODA Pavement Mgt	20,000			20,000		
	Runway Lighting Rehab	766,667		766,667			
	Taxiway Extension	1,397,000				85,000	1,312,000
	AIRPORT TOTAL	**$2,383,667**	**$200,000**	**$766,667**	**$20,000**	**$85,000**	**$1,312,000**

AIRPORT PROJECTS



Master Plan / ALP Update

The Airport Master Plan and Airport Layout Plan were last updated in 1995 and 2006, respectively. The masterplan update is a strategic process that evaluates the Airport's needs over a 20-year planning period, for airfield, airspace, terminal area and landside facilities. The goal of the masterplan is to document the orderly development of Airport facilities essential to meeting the City's needs, in accordance with FAA standards, and in a manner complementary with community interests. This project kicked off in the fall of 2017 and is scheduled to be complete by the end of 2018.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs						
Master Plan/ALP Update	**200,000**	200,000				
Funding Source						
FAA	**180,000**	180,000				
ODA COARS Grant	**18,000**	18,000				
Airport Funds	**2,000**	2,000				

AIRPORT PROJECTS



Runway Lighting Rehabilitation

Runway 16/34 has an aging electrical infrastructure constructed in the 1970's. The project will include new LED medium intensity runway lights (MIRLs), runway edge lighting, runway end identifier lights (REILs), and LED wind cones.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**766,677**		766,677			
Funding Source						
FAA	**690,000**		690,000			
Airport Fund	**76,677**		76,677			

AIRPORT PROJECTS



Taxiway Extension

The runway was extended 400 feet in 2009 utilizing a ConnectOregon 3 Grant. Due to funding constraints, the parallel taxiway was not constructed. The proposed project will extend the taxiway 400 feet to eliminate the back taxi required on Runway 16. In order to be eligible for FAA participation, the City must first justify the runway extension. The evaluation of the runway length is part of the Master Plan Update currently underway.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs						
Environmental	**85,000**				85,000	
Design/Construct	**1,312,000**					1,312,000
Funding Source						
FAA	**1,257,300**				76,500	1,180,800
Airport Fund	**139,700**				8,500	131,200

WATER PROJECTS



The Water Service Fund accounts for the operation of the City's domestic drinking water utility. The operations, debt and capital outlay are totally supported by charges for services. The City purchased the utility from Oregon Water Corporation in 1977, and has since been upgrading the system in the course of normal depreciation as well as to correct major existing deficiencies within the system. Once undertaken, these projects are designed to accommodate anticipated growth and changes in design standards.

An updated Water System Master Plan and Capital Improvement Plan was adopted in 2010. A long range Water Supply Plan and Water Treatment Facilities Preliminary Design Report were completed in 2009. Together, these documents outline the high priority projects for the next decade. The short term capital improvement projects from the Master Plan have been included in this document.

530	WATER FUND						
	Project Description	**Estimated Cost**	**2018-2019**	**2019-2020**	**2020-2021**	**2021-2022**	**2022-2023**
	Land	25,000	5,000	5,000	5,000	5,000	5,000
	Buildings and Structures	50,000	10,000	10,000	10,000	10,000	10,000
	Equipment	235,000	20,000		130,000	85,000	
	Water Vehicles	120,000	40,000	40,000		40,000	
	Mapping/Plans	75,000	35,000	10,000	10,000	10,000	10,000
	Main Replacements	2,935,500	255,000	450,000	730,500	750,000	750,000
	New Mains	155,000	115,000	10,000	10,000	10,000	10,000
	Plant Improvements	2,880,000	1,550,000	850,000	191,000	132,000	157,000
	Reservoir Improvements	1,295,000	85,000	335,000	125,000	125,000	625,000
	Transmission Main	5,920,000	345,000	2,625,000	1,650,000	700,000	600,000
	LID	-	-	-	-	-	-
	WATER TOTAL	**$13,690,500**	**$2,460,000**	**$4,335,000**	**$2,861,500**	**$1,867,000**	**$2,167,000**

WATER FUND
FINANCIALS

Water		18-19	19-20	20-21	21-22	22-23
Beg Fund		6,552,883	5,930,685	3,597,860	2,632,929	2,632,929
Rev		6,163,318	6,348,218	6,538,664	6,734,824	6,936,869
M&S		4,210,517	4,421,043	4,642,095	4,874,200	5,117,909
Capital		2,575,000	4,260,000	2,861,500	1,867,000	2,167,000
End Bal		5,930,685	3,597,860	2,632,929	2,626,554	2,284,889

Assumptions:

- Materials & Services (M&S) increase 5% annually
- Revenues increase 5% until FY 2018-19 and 3% after

WATER PROJECTS



Land

This is money budgeted annually for purchase of easements or small parcels of property needed to facilitate the water system, pump stations, and/or reservoirs.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**25,000**	5,000	5,000	5,000	5,000	5,000
Funding Source						
Water Fund	**25,000**	5,000	5,000	5,000	5,000	5,000

WATER PROJECTS



Buildings and Structures

Money budgeted annually for improvements or capital maintenance for the City maintenance facility on Fulton Street. Money is budgeted in Storm Drainage, Facilities and Water Funds for this purpose.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**50,000**	10,000	10,000	10,000	10,000	10,000
Funding Source						
Water	**50,000**	10,000	10,000	10,000	10,000	10,000

WATER PROJECTS



Equipment

Money budgeted for equipment purchase and/or replacement according to the replacement schedule.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs						
Trailer	20,000	20,000				
Skid Steer	85,000				85,000	
Dump Truck	130,000			130,000		
Funding Source						
Water Fund	**235,000**	20,000		130,000	85,000	

WATER PROJECTS



Water Vehicles

Money budgeted to replace Water Division vehicles.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs						
Pick ups	120,000	40,000	40,000		40,000	
Funding Source						
Water Fund	**120,000**	40,000	40,000		40,000	

WATER PROJECTS



Mapping/Plans

Money budgeted annually for maintaining the City's GIS system related to water transmission and distribution. Funds will be used for maintaining/upgrading the computer system, handheld GPS units, related software and technical support. Money is also budgeted every five years to update the City's aerial photos.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**75,000**	35,000	10,000	10,000	10,000	10,000
Funding Source						
Water	**75,000**	35,000	10,000	10,000	10,000	10,000

WATER PROJECTS



Main Replacement

This budgeted item is to replace existing transmission and distribution mains annually for the following purposes: increase fire flows, replace aged/leaking pipes or to accommodate street improvements.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs						
Downtown Ph 2	**175,000**	175,000				
Harvard/Bellows	**30,000**	30,000				
Vine Street	**75,000**		75,000			
Washington Bridge Ends	**250,000**		250,000			
Pioneer Way	**325,000**			325,000		
Military Ave	**355,500**			355,500		
Peggy Ave	**75,000**		75,000			
TBD	**1,400,000**				700,000	700,000
Miscellaneous	**250,000**	50,000	50,000	50,000	50,000	50,000
Funding Source						
Water Fund	**2,935,500**	255,000	450,000	730,500	750,000	750,000

WATER PROJECTS



New Mains

Description:

It is the City's policy for developers to build new mains to serve new areas and for the City to operate and maintain the system after initial construction. Piping gaps left by private extensions are now a minor problem, and expenditures for this purpose are minimal. The project listed below will complete loops in areas to provide flexibility with the system.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs						
Taft to Danita	90,000	90,000				
Knoll Street	25,000	25,000				
TBD	30,000		10,000	10,000	10,000	10,000
Funding Source						
Water Fund	**155,000**	115,000	10,000	10,000	10,000	10,000

WATER PROJECTS



Plant Improvements

The Water Treatment Facilities Preliminary Design Report lists capital improvement recommendations to be constructed prior to the expansion of the plant. Improvements will include updating the telemetry system that allows the plant operators to control the pump stations and reservoir levels and replacing the existing chlorination system.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs						
Telemetry Upgrades	**1,300,000**	1,300,000				
Chlorine generation upgrades	**1,000,000**	200,000	800,000			
Replace Filter Media	**141,000**			141,000		
Floc Basin	**82,000**				82,000	
HVAC – high head PS	**37,000**					37,000
Sedimentation Basin	**70,000**					70,000
Misc/Pump replacement/upgrades	**250,000**	50,000	50,000	50,000	50,000	50,000
Funding Source						
Water Fund	**2,880,000**	1,550,000	850,000	191,000	132,000	157,000

WATER PROJECTS



Reservoir Improvements

This budget line item includes pump station or reservoir construction, upgrades, replacements, re-coatings, and other capital improvements.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs						
Safety Cage Imp.	30,000	30,000				
Grange Cathodic	30,000	30,000				
Military PS	210,000		210,000			
N.C. Reservoir*	500,000					500,000
Rocky Ridge Floor	100,000		100,000			
Boulders PS	100,000			100,000		
TBD	200,000				100,000	100,000
Misc.	125,000	25,000	25,000	25,000	25,000	25,000
Funding Source						
Water Fund	**1,295,000**	85,000	335,000	125,000	125,000	625,000

**Development Driven*

WATER PROJECTS



Transmission Main

This capital item includes transmission main replacements, upgrades and installation of cathodic protection.

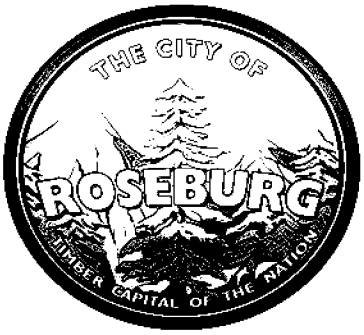
	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs						
Hooker Rd Intertie	**195,000**	45,000	150,000			
West Ave – Res #7	**2,475,000**	250,000	2,225,000			
24" Isabell to Newton Creek	**1,800,000**		200,000	1,600,000		
Misc. Improvements	**250,000**	50,000	50,000	50,000	50,000	50,000
TBD	**1,200,000**				650,000	550,000
Funding Source						
Water Fund	**5,920,000**	345,000	2,625,000	1,650,000	700,000	600,000

WATER PROJECTS



LID

Water main extensions through semi-developed areas can be financed by the Water Fund on a project specific basis, usually upon a petition from the benefitting property owners. No projects are identified at this time.


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STORM DRAINAGE PROJECTS



This fund was created in 1989-90 to account for the revenues and operations of the City's storm drainage system. The principal source of revenue to this fund is user fees and system development charges. Grant revenues will be applied for when appropriate.

The Fund is managed by the Public Works Department using the City's Storm Drainage Master Plan as a general guideline. General oversight is provided by the Public Works Commission. An update of the Storm Drainage Master Plan was completed in 2011. The projects included in this five year plan are based on the Master Plan. User fees were reviewed in 2013, and a five-year series of fee increases was implemented. System development charges may be reviewed in the near future based on capital improvement needs identified in the Storm Drainage Master Plan.

560	STORM DRAINAGE						
	Project Description	**Estimated Cost**	**2018-2019**	**2019-2020**	**2020-2021**	**2021-2022**	**2022-2023**
	Ballf Area Storm Drainage Phase 2	600,000		200,000	400,000		
	Black Avenue Storm (UR)	100,000	100,000				
	Broccoli -Tie In	160,000		160,000			
	Calkins Area Phase 2A, 4 - Troost Street	525,000			75,000	450,000	
	CIPP	2,500,000	700,000	600,000	400,000	400,000	400,000
	Diamond Lake Blvd/Fulton Street Drainage Improvements	250,000				250,000	
	Downtown Improvements Phase 2 (UR)	200,000	200,000				
	Lookingglass Area Improvements	900,000				100,000	800,000
	Nash/Jackson Area	1,000,000				100,000	900,000
	Rainbow Storm Extenstion	250,000		250,000			
	Rifle Range Street LID (T)	250,000			250,000		
	Valley View LID (T)	100,000				100,000	
	Wetland Mitigation Planting	100,000	100,000				
	Buildings and Structures	50,000	10,000	10,000	10,000	10,000	10,000
	Equipment Acquisition	80,000	40,000	10,000	10,000	10,000	10,000
	Improvements - Mapping	35,000	10,000	10,000	5,000	5,000	5,000
	Misc. Storm Improvements	250,000	50,000	50,000	50,000	50,000	50,000
	STORM DRAINAGE TOTAL	**$7,350,000**	**$1,210,000**	**$1,290,000**	**$1,200,000**	**$1,475,000**	**$2,175,000**

(T) – Project description included in Transportation Section
(UR) – Project Description included in Urban Renewal Section

STORM DRAINAGE FUND
FINANCIALS

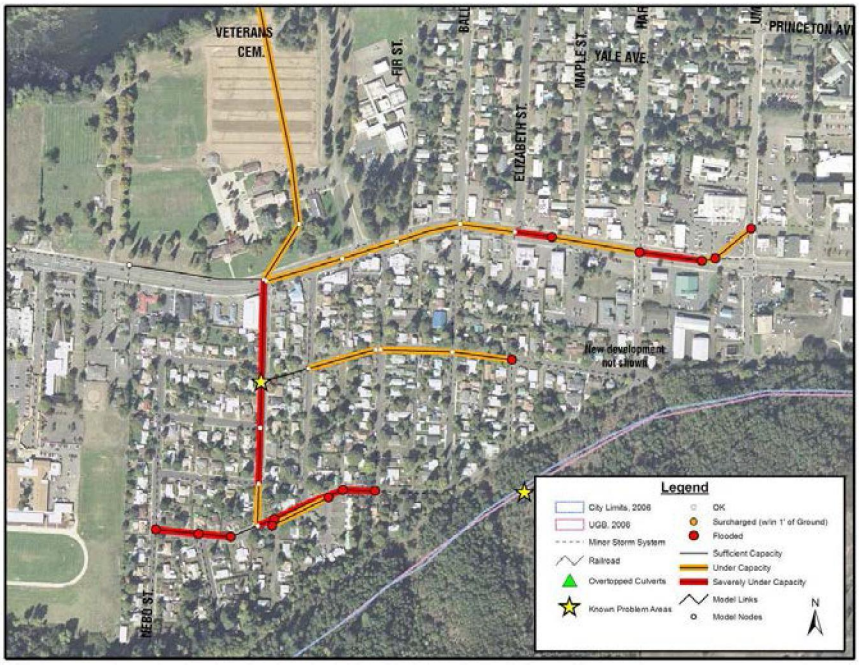
Storm Drainage		18-19	19-20	20-21	21-22	22-23
Beg. Fund Balance		1,766,053	1,962,523	2,106,087	2,366,803	2,379,693
Revenue		2,161,470	2,226,314	2,293,104	2,361,897	2,432,754
M&S		755,000	792,750	832,388	874,007	917,707
Capital		1,210,000	1,290,000	1,200,000	1,475,000	2,175,000
Ending Fund Balance		1,962,523	2,106,087	2,366,803	2,379,693	1,719,739

Assumptions:

Materials & Services (M&S) increase 5% annually

Revenues increase 3% annually

STORM DRAINAGE PROJECTS



Ballf Area Storm Drainage Phase 2

The City completed a study of this area in 2013 to identify alternatives to alleviate drainage issues identified in the Storm Drainage Master Plan. The first phase was constructed in 2014. The next phase will upsize existing storm drainage piping on Ballf Street, Myrtle Avenue and Fairhaven Street as identified in the Balff Street Storm Sewer Improvements Study.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Cost						
	600,000		200,000	400,000		
Funding Source						
Storm Drainage	**600,000**		200,000	400,000		

STORM DRAINAGE PROJECTS

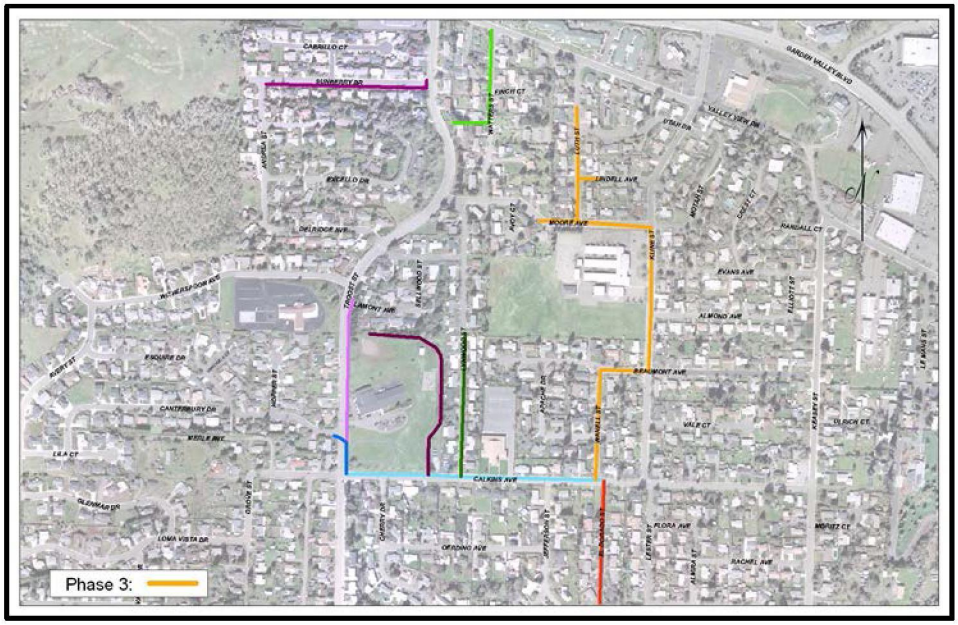


Broccoli Tie-in

There is an existing storm drainage line that runs overland within the unimproved right-of-way of Brocolli Street. This project will bury, extend and tie that piping in at Lorraine Street.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**160,000**		160,000			
Funding Source						
Storm Drainage	**160,000**		160,000			

STORM DRAINAGE PROJECTS

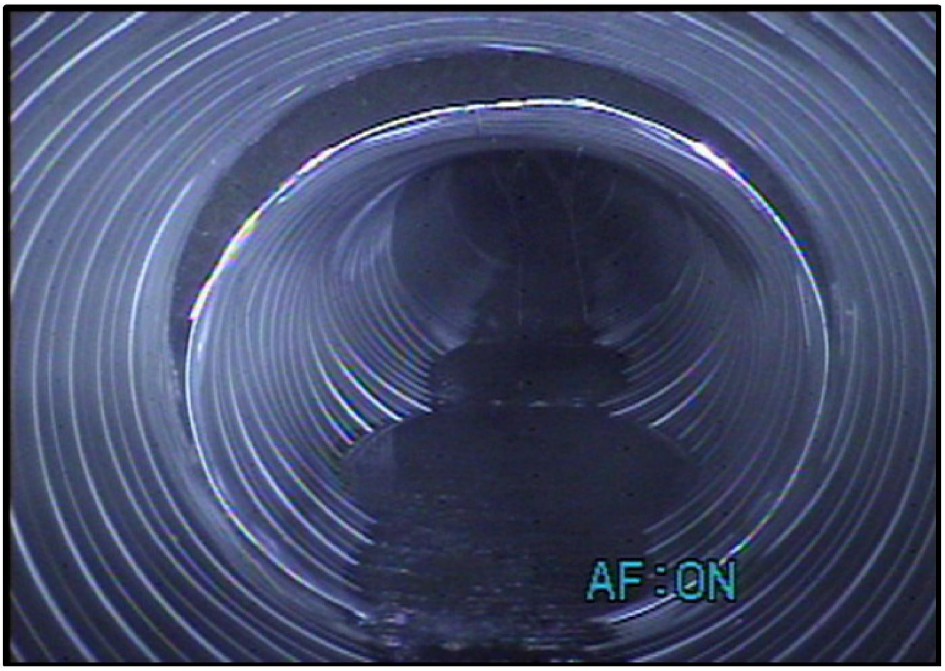


Calkins Area Drainage Phase 2A, 4

This project was identified in the Calkins Hydraulic Report completed in 2005. This will be the third phase of construction. This phase will include installing a 36-inch pipe on Troost Street, north of Calkins Avenue to Witherspoon and installing drainage on Calkins Avenue parallel to Troost Street to eliminate drainage through back yards. Previous phases included installing the sections in El Dorado Court, Calkins Avenue, Wannell, and Luth Streets.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Cost	525,000			75,000	450,000	
Funding Source						
Storm Drainage	**525,000**			75,000	450,000	

STORM DRAINAGE PROJECTS

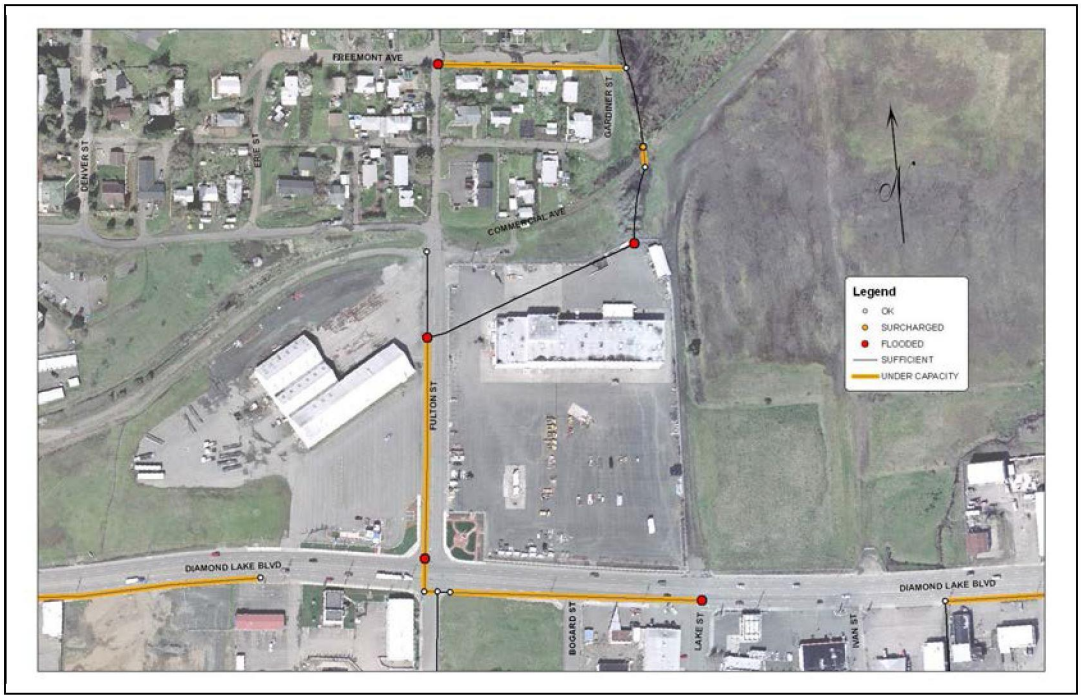


Cast In Place Pipe (CIPP)

In January 2015, staff discovered that aluminized steel piping installed in the early 1990's through mid-2000's is corroding which is causing the pipe to fail structurally. In certain instances, this failure has caused sink holes to form within paved streets. Staff has identified and prioritized aluminized steel pipes to rehabilitate using the CIPP process in order to prevent further deterioration in these pipes.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**2,500,000**	700,000	600,000	400,000	400,000	400,000
Funding Source						
Storm Drainage	**2,500,000**	700,000	600,000	400,000	400,000	400,000

STORM DRAINAGE PROJECTS



Diamond Lake/Fulton Street Drainage Improvements

The existing storm drainage system on Freemont Avenue, Fulton Street and Diamond Lake Boulevard is undersized. This project will include installation of 387 lineal feet of 18 inch pipe, 457 lineal feet of 42 inch pipe, 519 lineal feet of 21 inch pipe, and 42 lineal feet of 42 inch pipe. This project is identified in the Storm Drainage Master Plan as problem area #3. This will be a multi-year project and will most likely be development driven.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**250,000**				250,000	
Funding Source						
Storm Drainage	**250,000**				250,000	

STORM DRAINAGE PROJECTS

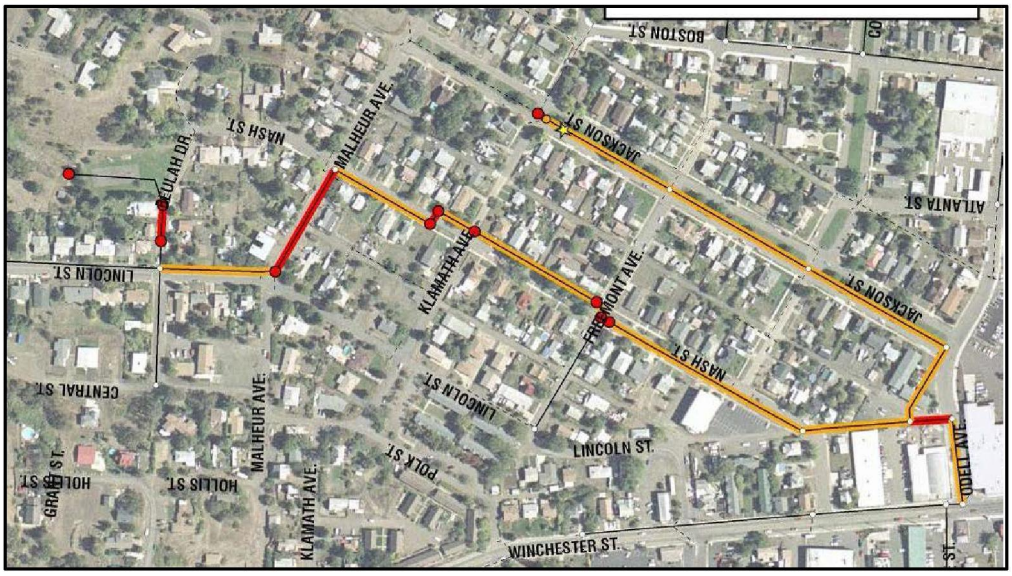


Lookingglass Area Improvements

The Storm Drainage Master plan identifies two areas of concern near Lookinglass Road, problem areas #14 and 15. This project would involve additional study to refine the improvement plan and then phased construction.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Cost	900,000				100,000	800,000
Funding Source						
Storm Drainage	**900,000**				100,000	800,000

STORM DRAINAGE PROJECTS

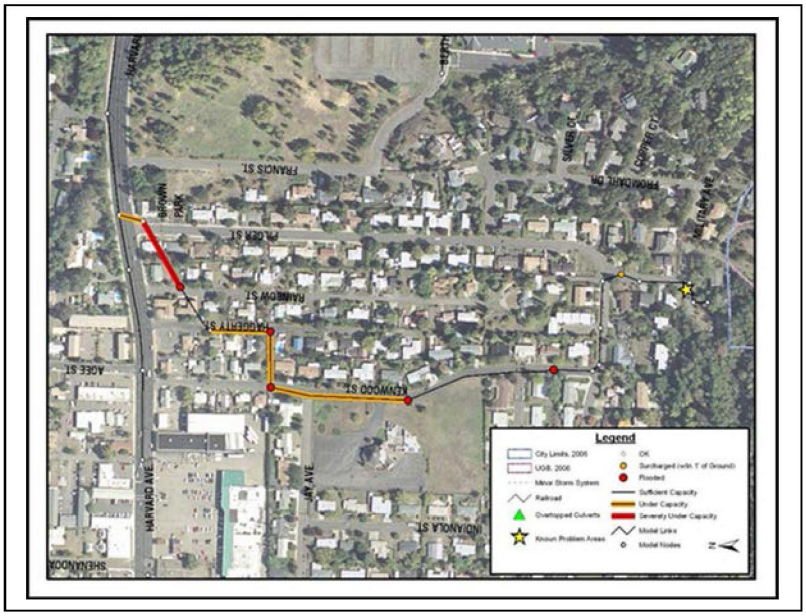


Nash/Jackson Area Improvements

This project is identified in the Storm Drainage Master Plan as problem area #7. The project will involve further analysis to refine the required improvements, and then phased construction to address capacity issues within this area. This project will also replace aging pipe within the area.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs						
Design	100,000				100,000	900,000
Construction	900,000					
Funding Source						
Storm Drainage	**1,000,000**				100,000	900,000

STORM DRAINAGE PROJECTS



Rainbow Storm Extension

This project will extend an existing pipe in Rainbow Street to Harvard. This will abandon a section of existing piping that runs between private properties to the east.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**250,000**		250,000			
Funding Source						
Storm Drainage	**250,000**		250,000			

STORM DRAINAGE PROJECTS



Wetland Mitigation Plantings

As part of the South Stewart Parkway Improvements, large storm water detention ponds were constructed in 2017. In order to complete the project and meet the conditions of the wetland permits, these ponds will be planted with various types of plants in the fall of 2018.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Cost						
	100,000	100,000				
Funding Source						
Storm Drainage	**100,000**	100,000				

STORM DRAINAGE PROJECTS



Buildings and Structures

Money budgeted annually for improvements or capital maintenance for the City maintenance facility on Fulton Street. Money is budgeted in Storm Drainage, Facilities and Water Funds for this purpose.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**60,000**	10,000	10,000	10,000	10,000	10,000
Funding Source						
Storm Drainage	**60,000**	10,000	10,000	10,000	10,000	10,000

STORM DRAINAGE PROJECTS



Equipment Acquisition

This money is budgeted annually for purchase of equipment necessary to maintain the storm drainage system. Purchases are typically made for equipment required for either the storm drainage vacuum truck or the camera truck used for inspecting the system. When required, replacement of these two pieces of equipment is budgeted in this line item. This line item may also be used for specialized attachments for the backhoe or bobcats when appropriate.

	Total	**2018/19**	**2019/20**	**2020/21**	**2021/22**	**2022/23**
Capital Costs	**80,000**	40,000	10,000	10,000	10,000	10,000
Funding Source						
Storm Drainage	**80,000**	40,000	10,000	10,000	10,000	10,000

STORM DRAINAGE PROJECTS



Improvements - Mapping

Money budgeted annually for maintaining the City's GIS system related to storm drainage. Funds will be used for maintaining/upgrading the computer system, handheld GPS units and related software and technical support.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**35,000**	10,000	10,000	5,000	5,000	5,000
Funding Source						
Storm Drainage	**35,000**	10,000	10,000	5,000	5,000	5,000

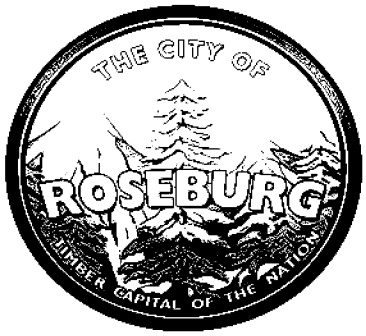
STORM DRAINAGE PROJECTS



Miscellaneous Storm Improvements

This is money budgeted annually to address small problems or improvements within the system. The money may not be spent every year.

	Total	2018/19	2019/20	2020/21	2021/22	2022/23
Capital Costs	**250,000**	50,000	50,000	50,000	50,000	50,000
Funding Source						
Storm Drainage	**250,000**	50,0000	50,000	50,000	50,000	50,000


THE CITY OF
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