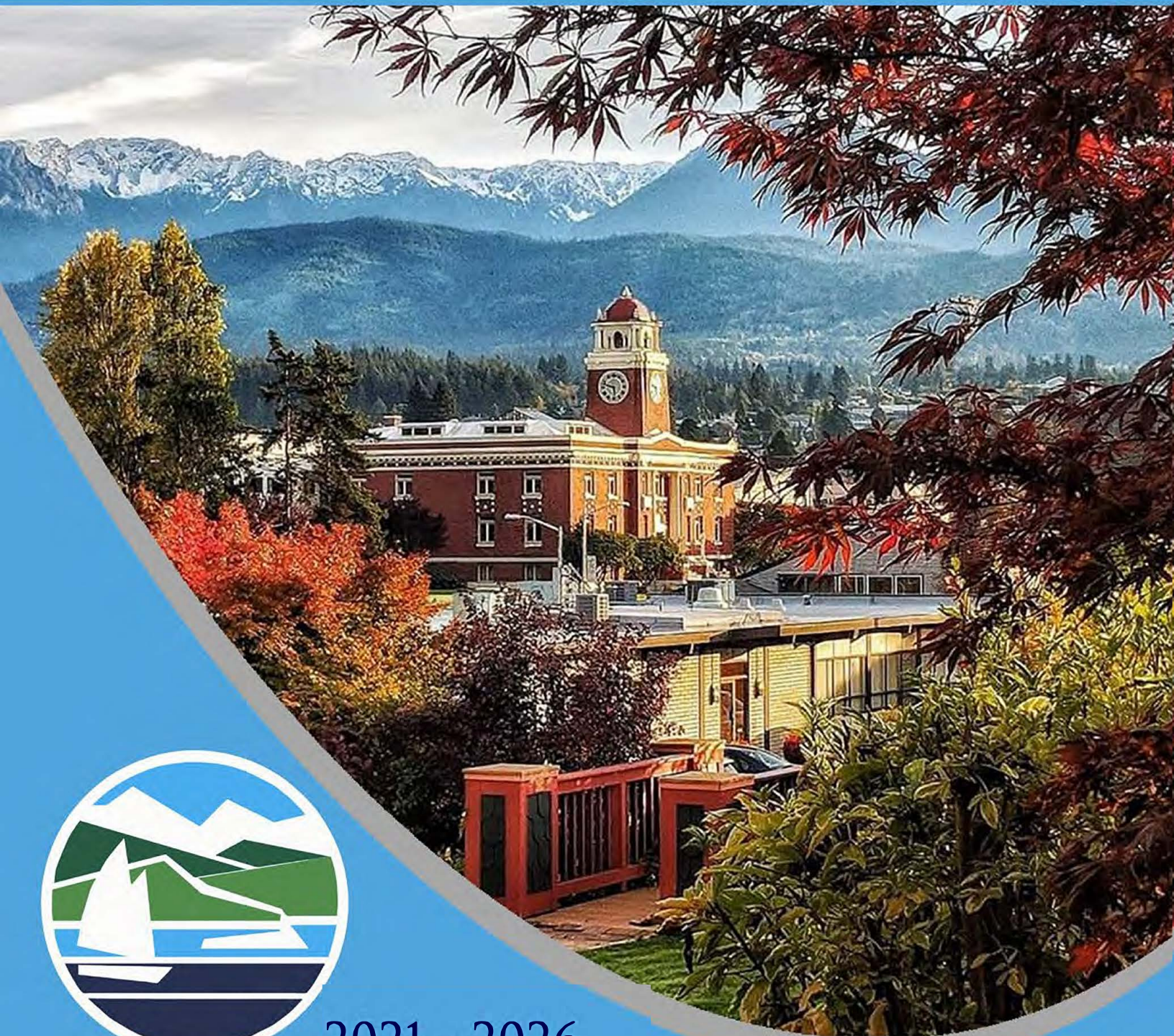


THE CITY OF  
**PORT ANGELES**  
WASHINGTON



2021 - 2026

**CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN**

CITY OF PORT ANGELES



2021 - 2026  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN



# INFORMATION AND RESOURCES

## Contact Information

---

City of Port Angeles, 321 East Fifth Street, Port Angeles, WA 98362  
Phone: 360-457-0411  
www.cityofpa.us

### City Council

---

[council@cityofpa.us](mailto:council@cityofpa.us)

Kate Dexter, *Mayor*  
Navarra Carr, *Deputy Mayor*  
Mike French, *Councilmember*  
Charlie McCaughan, *Councilmember*  
Brendan Meyer, *Councilmember*  
Lindsay Schromen-Wawrin, *Councilmember*  
LaTrisha Suggs, *Councilmember*

[kdexter@cityofpa.us](mailto:kdexter@cityofpa.us)  
[ncarr@cityofpa.us](mailto:ncarr@cityofpa.us)  
[mfrench@cityofpa.us](mailto:mfrench@cityofpa.us)  
[cmccaugh@cityofpa.us](mailto:cmccaugh@cityofpa.us)  
[bmeyer@cityofpa.us](mailto:bmeyer@cityofpa.us)  
[lswawrin@cityofpa.us](mailto:lswawrin@cityofpa.us)  
[losuggs@cityofpa.us](mailto:losuggs@cityofpa.us)

### City Administration

---

[citymanager@cityofpa.us](mailto:citymanager@cityofpa.us)

Nathan West, *City Manager*  
Allyson Brekke, *Director of Community and Economic Development*  
William Bloor, *City Attorney*  
Sarina Carrizosa, *Finance Director*  
Ken Dubuc, *Fire Chief*  
Brian Smith, *Police Chief*  
Corey Delikat, *Parks and Recreation Director*  
Thomas Hunter, *Public Works and Utilities Director*  
Jonathan Boehme, *City Engineer*  
MarySue French, *Cost & Capital Accountant*  
Nicole Blank, *Design/Publication*

[nwest@cityofpa.us](mailto:nwest@cityofpa.us)  
[abrekke@cityofpa.us](mailto:abrekke@cityofpa.us)  
[wbloor@cityofpa.us](mailto:wbloor@cityofpa.us)  
[scarrizo@cityofpa.us](mailto:scarrizo@cityofpa.us)  
[kdubuc@cityofpa.us](mailto:kdubuc@cityofpa.us)  
[bsmith@cityofpa.us](mailto:bsmith@cityofpa.us)  
[cdelikat@cityofpa.us](mailto:cdelikat@cityofpa.us)  
[thunter@cityofpa.us](mailto:thunter@cityofpa.us)  
[jboehme@cityofpa.us](mailto:jboehme@cityofpa.us)  
[msfrench@cityofpa.us](mailto:msfrench@cityofpa.us)  
[nblank@cityofpa.us](mailto:nblank@cityofpa.us)

## Boards and Committees

---

Board of Ethics  
Civil Service Commission  
Lodging Tax Advisory Committee  
Parks, Recreation & Beautification Committee  
Planning Commission  
Port Angeles Forward Committee  
Public Safety Advisory Board  
Utility Advisory Committee



# TABLE OF CONTENTS

## Introduction:

---

Message from City Manager.....	5
Executive Summary and analysis of funding and expenditures.....	7
Changes from Preliminary Document.....	8
The Capital Facilities Plan.....	17
Calendar of Significant Events.....	19
Financial Strategies.....	20
Frequently Asked Questions.....	26
City Location.....	29

## Capital Facility Plan by Area

---

### Governmental

---

General Government.....	33
Public Safety - Police & Fire.....	44
Parks and Recreation.....	61

### Utilities

---

Electric.....	77
Water.....	103
Wastewater.....	133
Combined Sewer Overflow.....	163
Solid Waste.....	169
Stormwater.....	177

### Internal Services

---

Equipment Services.....	191
Information Technology.....	209

## Transportation Improvement Plan.....231

---

Transportation Benefit District.....	235
Transportation.....	268

## 2019 Completed Projects.....297

---

## Link to Comprehensive Plan & Strategic Plan.....301

---





July 7, 2020

**Honorable Mayor and City Council of the City of Port Angeles, Washington,**

I am pleased to present the City's 2021 – 2026 Capital Facility Plan and Transportation Improvement Plan (CFP/TIP). This document will allow Council and citizens access to information on the planned facility, utility, parks, public safety and transportation improvements for the next six years. Additionally, this plan will focus on what is currently happening in 2020 for inclusion in the annual budget. The document also incorporates the City's vision for the future as illustrated in the Comprehensive Plan, and Strategic Plan; both approved by the City Council.

The CFP/TIP, although driven by public vision, is constrained by fiscal realities. However, this plan is not entirely about finances, but rather is a roadmap to how we can provide reliable, quality services and maintain infrastructure while keeping our commitment to structure utility rates and services so they are affordable to our residents. The purpose of developing a capital plan is to provide reliable and well-maintained infrastructure that considers the balance between affordability of projects by the City and its residents, and the need and risk associated with the City's timely replacement of infrastructure.

The 2020 total capital budget is at \$23,262,000 with \$16,264,700, or 69.9% going toward utility related projects. Considerable attention has been given to funding sources in the Capital Facilities Plan and Transportation Improvement Plan to ensure spending is not exceeding sustainable levels in all funds and we can maximize our limited dollars. Per Council direction, available grant funding is sought for all applicable projects and as a result the CFP/TIP does not include any new, or planned debt. Additionally, depreciation levels in all funds are either equal to funding or are working toward an equal ratio as required by City Council.

### **2019 Accomplishments**

The City completed \$7,210,163 in projects in 2019, nearly half of this spending was on transportation projects. These projects ranged from public safety projects, such as the 5th and Liberty solar signals, to projects that leveraged multiple projects at one time reducing overall cost to the City including the 10th Street Reconstruction and Lauridsen Boulevard Overlay. In addition to the multi-pronged approach taken in completing transportation items the street portion also leveraged the Transportation Benefit District (TBD) funding collected in 2018.

The TBD funding continues to exceed expectations with \$850,900 collected in 2019, an increase of \$85,600 compared to the budget. The result of which allowed more street repair projects to occur in the 2021 – 2026 TIP. The City intends to stretch its TBD dollars to as many streets afflicted by a low pavement condition index (PCI) as possible in the 10-year period that the TBD is in effect. TBD tax is collected to create safe and suitable streets that meet the expectations of our residents. For the third year since inception of the TBD the General Fund will continue to contribute the same historical amount to street projects in the six years outlined in this document.

**Phone:** 360-417-4500 / **Fax:** 360-417-4509 / **TTY:** 360-417-4645

**Website:** [www.cityofpa.us](http://www.cityofpa.us) / **Email:** [citymanager@cityofpa.us](mailto:citymanager@cityofpa.us)

321 East Fifth Street, Port Angeles, WA 98362-3206

A full list of complete projects can be found in the “Complete” section of this document.

### **Capital Highlights for the 2020 Budget year**

Key focus factors in 2020 will include projects that support community enhancement and transportation such as the replacement of City Pier railings; safety enhancements to Lincoln Street and Restroom replacements downtown; including a 24-hour restroom pilot project. TBD funding will once again be utilized to preserve and improve our City streets with projects including; Peabody Street Chip Seal Phases I, II and III and Park Avenue Chip Seal.

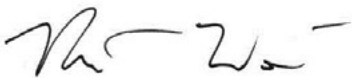
Most importantly the 2020 Capital budget is structured in a way that is not only realistic and financially supported but also that can be flexible should the City face revenue shortfalls resulting from the emergency situation we are currently weathering. Projects have been carefully prioritized based on critical needs and funding that may be lost should the project be delayed. In the event the City cannot fully fund this CFP/TIP, projects that are prioritized last will not be funded. Our current emergent circumstances are not yet at a point of predictability and until such time that accurate and reliable revenue metrics can be derived the City will proceed with a high degree of caution and diligence.

### **Conclusion**

In order to continue sound financial footing regarding the City’s infrastructure and assets the City will continue to evaluate projects, need, staff time and funding. The ability of the City to preserve what we have now, maintain assets we need and have a vision for our future is paramount for success to the City. Without infrastructure that is safe, reasonable and fully functional the City staff cannot properly serve its citizens. Finally, the proposed CFP/TIP aligns with the City’s Comprehensive Plan and the Strategic Plan items outlined by City Council.

In conclusion, I would like to express my appreciation to all who have contributed to the CFP/TIP including City Council, the Utility Advisory Committee and City Staff. It is through the dedication and hard work of all that the City will continue to maintain a solid foundation and allow sustainable growth.

Respectfully submitted,



Nathan West  
City Manager

## HOW TO READ THIS PLAN

The **Executive Summary** provides a summary of project costs and funding sources included in the 2021-2026 six-year planning window. This will provide at-a-glance information for the next six years and provide information on current project spending.

The **Financial Strategies** section explains the amount of money the City of Port Angeles can legally borrow. This is important as some projects are financed by bonds or loans. This also explains the limitations on Council approved financing options and revenue based financing options.

The **Capital Facilities Plan (CFP)** section explains the purpose of the CFP, statutory requirements, and methodologies used to develop the CFP in its entirety.

The **Capital Facility Plan by area** provides summary information on funding sources for each project, as well as expected spending each of the six years. This section breaks out the projects into their reporting areas. Each area includes a listing of projects that are identified, but currently do not have a funding source.

The **Completed Project** section provides a brief listing of all recently completed capital projects.

The **Link to the Comprehensive Plan** section incorporates the Growth Management element by linking all CFP projects to the Comprehensive Plan and Council's Strategic Plan.

## EXECUTIVE SUMMARY

The City of Port Angeles has combined the Cost of Service Study, Budget, Long Range Financial Plan, Comprehensive Plan and Strategic Plan to plan the capital facility replacements and enhancements for the coming six years. This was completed in an effort to stabilize utility rates at a minimum level without delaying needed capital improvements. As a result at the end of each section there is a list and brief description of projects that have been identified but currently do not have a funding source. Staff will continue to prioritize projects and work to find funding, including seeking grants.

City staff has worked very hard to maintain a high level of operations without needlessly increasing rates for the capital improvements. The process is very complex and provides a living document that will change should Council approve or delete spending based on changing priorities. The Capital Facilities Plan and Transportation Improvement Program will be kept in sync with the budget, allowing staff to obtain information easily.

The Capital Facilities Plan (CFP), and Transportation Improvement Plan (TIP) include an unfunded designation. These unfunded projects are where the City knows improvements are needed, but funding has not been secured.



The following methodologies were used when creating and prioritizing the CFP.

- Governmental and transportation projects will continue at an average spending level. This does not allow for the accumulation of depreciation levels or for replacement of assets that are past their prime, rather it keeps funding at levels the General Fund can afford.
- The Transportation Benefit District (TBD) will continue to enhance funding for transportation projects. In 2019, \$850,903 was collected in revenue for the transportation projects outlined in the 2021-2026 CFP/TIP.
- Utility funding plans may appear to be out of balance due to use of funding set aside in earlier years. Projects in utility funds are primarily supported by a transfer from the utility. This transfer is built into the rates during the Cost of Service Analysis (COSA) process to allow projects to be completed without the need for additional rate increases. This capital transfer amount is averaged over the six year CFP cycle.
- Many projects require grant funding or donations for completion. If the funds do not materialize the project scope may change, or the project may be cancelled in full.
- In all areas Staff worked to maintain a 1:1 cash to depreciation level. At the end of 2026 some levels dip below this ratio due to large projects scheduled in 2025 or 2026. The increased spending associated with these projects will be worked back into the transfer in future years to balance the cash to depreciation level to Council requirements.

## CHANGES FROM PRELIMINARY DOCUMENT PUBLISHED MAY 11, 2020

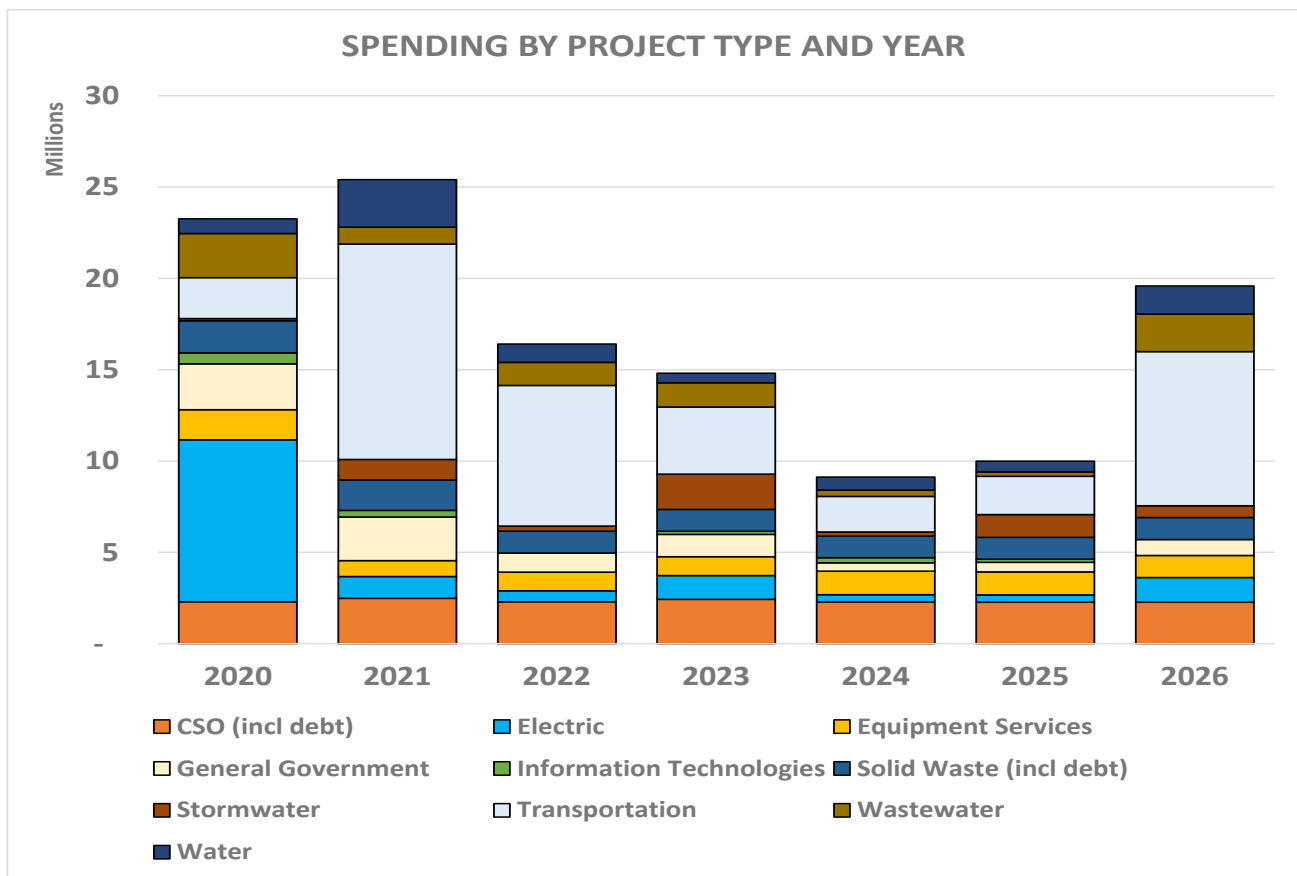
Depreciation calculation entries were reviewed and adjusted if necessary. Rounding to the nearest \$100 was done for all projects and exhibits where possible. All links were reviewed and summaries updated as necessary. Typographical errors were also corrected.

PROJECT	DESCRIPTION	PAGE
PK0318 - Waterfront Trail Rip-Rap Repair	\$20,000 added to 2020 spending for permit requirements from Army Corp of Engineers (ACOE)	64
Equipment Services Replacements	2020/2021 Replacement list reflects detailed exhibits (no change in details presented)	193
TR1120 - Complete Streets Revolving Fund	Project added per Council direction	270
TR1215 - Cith Hall East Parking Lot LID	\$8,700 added to 2020 spending, funded by Stormwater reserves	280



# EXPENDITURE SUMMARY BY PROJECT TYPE

Expenditures	Budget 2020	CAPITAL FACILITIES PLAN					
		2021	2022	2023	2024	2025	2026
CSO (incl debt)	2,294,200	2,480,400	2,301,500	2,432,700	2,278,900	2,275,100	2,271,300
Electric	8,872,900	1,198,000	600,000	1,300,000	400,000	400,000	1,350,000
Equipment Services	1,642,400	871,100	1,015,800	1,034,250	1,290,000	1,257,300	1,203,700
General Government	2,514,300	2,389,000	1,045,800	1,218,000	455,000	517,000	884,200
Information Technologies	596,000	360,000	-	180,000	280,000	180,000	-
Solid Waste (incl debt)	1,763,000	1,661,300	1,194,300	1,193,900	1,192,800	1,194,300	1,194,500
Stormwater	118,000	1,125,000	281,000	1,930,000	220,000	1,251,000	655,000
Transportation	2,244,600	11,796,500	7,695,000	3,675,000	1,940,000	2,085,000	8,430,000
Wastewater	2,410,600	925,000	1,270,000	1,320,000	350,000	250,000	2,050,000
Water	806,000	2,604,000	1,000,000	520,000	722,000	590,000	1,550,000
<b>Totals</b>	<b>23,262,000</b>	<b>25,410,300</b>	<b>16,403,400</b>	<b>14,803,850</b>	<b>9,128,700</b>	<b>9,999,700</b>	<b>19,588,700</b>

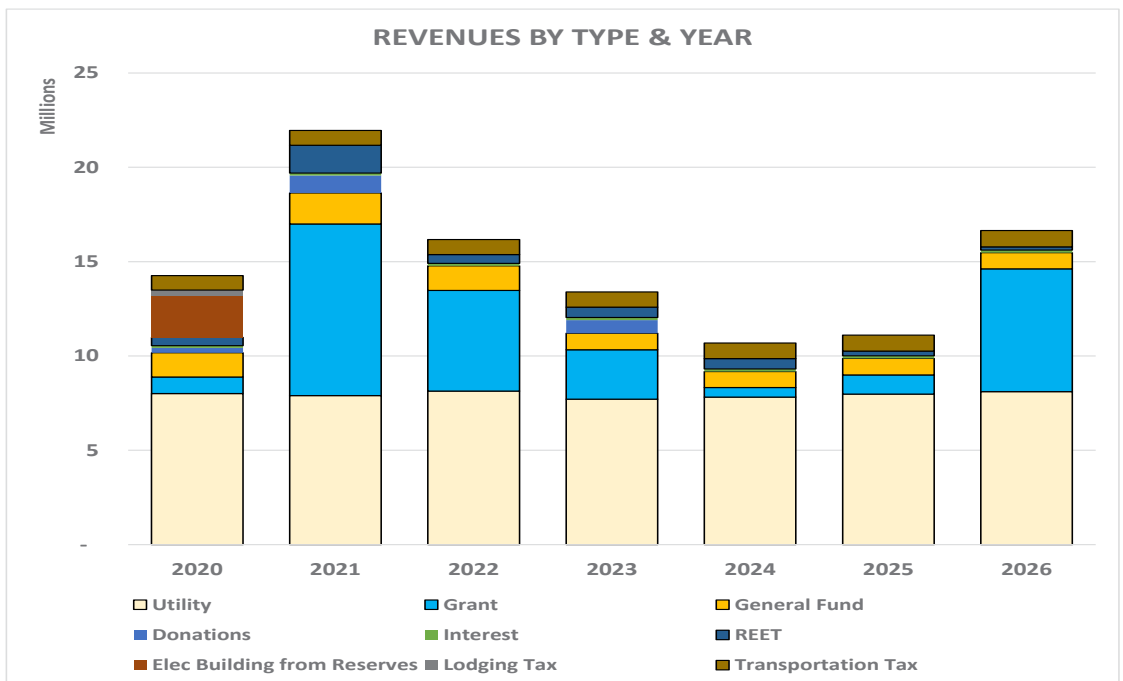


# FUNDING SOURCES BY TYPE

Revenues	2020	2021	2022	2023	2024	2025	2026
CSO (incl debt)	2,331,900	2,335,300	2,332,400	2,333,000	2,331,000	2,332,100	2,333,200
Electric	3,350,000	850,000	800,000	800,000	800,000	800,000	800,000
Equipment Services	867,500	929,800	950,400	961,700	969,100	1,003,300	1,006,500
General Government	2,149,700	2,451,900	1,044,900	1,309,800	546,800	570,800	454,500
Information Technologies	283,800	283,800	283,800	283,800	283,800	283,800	283,800
Solid Waste (incl debt)	1,551,600	1,857,700	1,469,300	1,474,800	1,480,500	1,486,200	1,492,100
Stormwater	400,000	425,000	434,000	943,000	452,000	461,000	470,000
Transportation	2,045,400	11,342,500	7,258,700	3,567,100	1,973,300	2,189,900	7,706,800
Wastewater	850,000	900,000	950,000	1,000,000	1,050,000	1,100,000	1,150,000
Water	568,000	650,000	725,000	800,000	875,000	950,000	1,025,000
<b>Totals</b>	<b>14,397,900</b>	<b>22,026,000</b>	<b>16,248,500</b>	<b>13,473,200</b>	<b>10,761,500</b>	<b>11,177,100</b>	<b>16,721,900</b>

Revenue by Type	2020	2021	2022	2023	2024	2025	2026
Utility	8,004,800	7,903,500	8,140,200	7,715,100	7,819,700	7,982,500	8,112,000
Grant	884,100	9,090,900	5,338,000	2,618,000	508,000	1,008,000	6,508,000
General Fund	1,276,100	1,642,600	1,299,600	873,100	850,100	882,100	850,800
Donations	260,000	930,000	-	700,000	-	-	-
Interest	125,600	124,600	125,700	131,100	131,600	135,800	140,500
REET	431,300	1,480,000	475,000	550,000	550,000	250,000	175,000
Elec Building from Reserves	2,200,000	-	-	-	-	-	-
Internal service funds	7,500	7,500	7,500	7,500	7,500	7,500	7,500
Pencom	116,900	50,000	50,000	50,000	50,000	50,000	50,000
User Fees	16,300	16,300	16,300	16,300	16,300	16,300	16,300
Lodging Tax	310,000	-	-	-	-	-	-
Transportation Tax	765,300	780,600	796,200	812,100	828,300	844,900	861,800
<b>Totals</b>	<b>14,397,900</b>	<b>22,026,000</b>	<b>16,248,500</b>	<b>13,473,200</b>	<b>10,761,500</b>	<b>11,177,100</b>	<b>16,721,900</b>

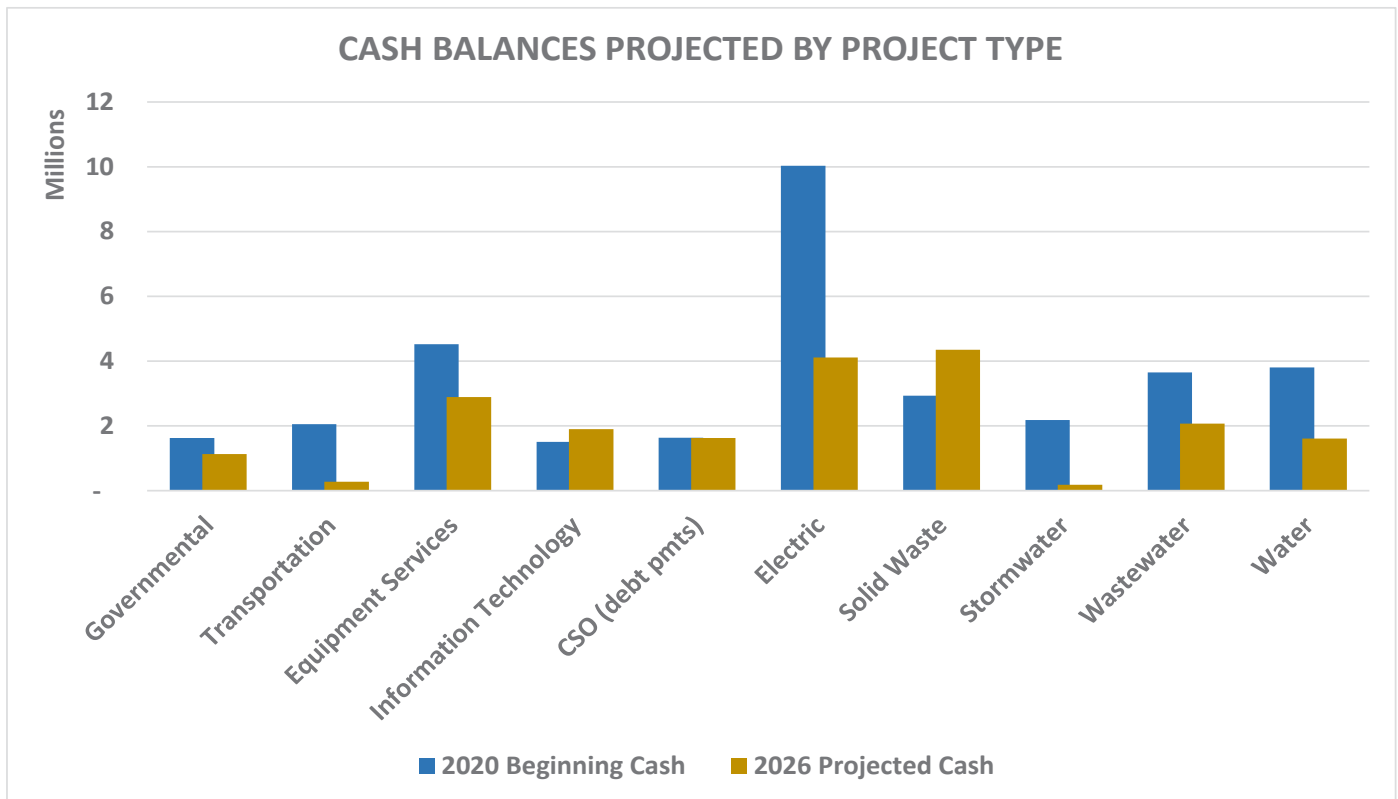
Note: General Fund amounts include allocated funds reported in the operating Internal Service Funds as revenues for both Information Technologies and Equipment Services.



Capital Fund	2020 Beginning Cash	2026 Projected Cash	2026 Projected Depreciation	Cash Ratio to Depreciation
Governmental	1,625,233	1,130,333	2,897,498	0.4
Transportation	2,056,221	273,821	2,127,337	0.1
Equipment Services	4,519,853	2,893,603	801,746	3.6
Information Technology	1,507,014	1,897,614	282,195	6.7
CSO (debt pmts)	1,633,344	1,628,144	NA	NA
Electric	10,034,163	4,113,263	1,772,079	2.3
Solid Waste	2,932,304	4,350,404	641,959	6.8
Stormwater	2,178,493	183,493	214,280	0.9
Wastewater	3,648,076	2,072,476	2,119,233	1.0
Water	3,807,410	1,608,410	1,915,910	0.8
<b>Total Cash</b>	<b>33,942,112</b>	<b>20,151,562</b>	<b>12,772,238</b>	<b>1.6</b>

Council has directed staff to obtain a 1:1 depreciation to cash ratio for all Utility funds. Internal Service funds and Governmental funds will show a much lower ratio due to the availability of funds.

\*CSO depreciation is included in Wastewater and is not included in the analysis of the cash/ depreciation ratio. At the current rate the CSO project will be paid off earlier than expected.



# SUMMARY PROJECT LISTING BY FUNCTION

This section combines the detail project listing from each functional area to provide a comprehensive project list in the Executive Summary. This listing is included as an attachment to the council resolution adopting the CFP and TIP.

GENERAL GOVERNMENT CAPITAL PROJECTS								CAPITAL FACILITIES PLAN						UNFUNDED
Number	Title	PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2020	2021	2022	2023	2024	2025	2026	
<b>GENERAL GOVERNMENT/FACILITIES</b>														
GG0303	NICE Program	R	Revolving	Excellent	837,100	262,100	125,000	75,000	75,000	75,000	75,000	75,000	75,000	-
GG1113	Facility Security Projects	A	Active	Fair	256,000	18,300	91,000	75,000	71,700	-	-	-	-	-
GG0416	City Hall Fire Detection System	3	Planning	Fair	75,000	-	75,000	-	-	-	-	-	-	-
GG0516	Senior Center Fire Detection System	4	Design	Fair	50,000	-	50,000	-	-	-	-	-	-	-
GG0916	Valley Creek Restoration Phase III	UF	Unfunded	Poor	2,110,900	-	-	-	-	-	-	-	-	2,110,900
GG0119	Ennis Creek Fish Barrier Removal	UF	Unfunded	Poor	950,000	-	-	-	-	-	-	-	-	950,000
GG0418	City Entrance Monuments	UF	Unfunded	Poor	125,000	-	-	-	-	-	-	-	-	125,000
GG0319	Peabody Creek Daylight	UF	Unfunded	Poor	-	-	-	-	-	-	-	-	-	Unknown
<b>PUBLIC SAFETY</b>														
CAPPC	Pencom Capital	R	Revolving	Good	660,400	251,500	108,900	50,000	50,000	50,000	50,000	50,000	50,000	-
CAPM1	Medic 1 Revolving	R	Revolving	Good	366,400	-	183,200	-	-	-	-	-	-	183,200
FD0415	Fire Department Turn-Out Gear	R	Revolving	Good	160,300	160,300	-	-	-	-	-	-	-	-
FD0615	Fire Hoses	R	Revolving	Good	42,400	7,400	5,000	5,000	5,000	5,000	5,000	5,000	5,000	-
FD0118	Defibrillator Revolving Account	R	Revolving	Good	256,000	68,000	35,000	36,000	37,000	-	-	40,000	40,000	-
FD0218	Self Contained Breathing Apparatus	R	Revolving	Good	250,000	-	-	-	-	-	-	-	250,000	-
PD0307	Police Regional Training & Gun Range Facility	R	Revolving	Poor	200,000	-	40,000	32,000	32,000	32,000	32,000	32,000	-	-
PD0116	Mobile Data Terminal Replacements	A	Active	Good	214,400	93,400	25,000	16,000	16,000	16,000	16,000	16,000	16,000	-
PD0120	Police Taser Replacements	A	Active	Fair	120,000	-	12,000	25,000	12,000	25,000	12,000	34,000	-	-
PD0119	Computer Aided Dispatch/Law Enforcement Records Management Sys	A	Active	Good	300,000	-	160,000	140,000	-	-	-	-	-	-
FD0315	Fire Station Garage Door Replacement	1	Planning	Good	50,000	-	50,000	-	-	-	-	-	-	-
FD0318	Emergency Management Pods	2	Planning	Good	150,000	-	50,000	50,000	-	50,000	-	-	-	-
FD0219	EOC/911/Westside Fire Station	6	Pre-Planning	Poor	4,750,000	-	48,000	-	-	-	-	-	-	4,702,000
FD0120	Fire Station Front Driveway Repair	UF	Unfunded	Poor	30,000	-	-	-	-	-	-	-	-	30,000
GG0616	Fire Hall HVAC	UF	Unfunded	Poor	45,000	-	-	-	-	-	-	-	-	45,000
FD0216	Fire Training Facility	UF	Unfunded	Poor	80,000	-	-	-	-	-	-	-	-	80,000
FD0316	Senior Center EOC Generator (Secondary City EOC)	UF	Unfunded	Poor	150,000	-	-	-	-	-	-	-	-	150,000
FD0416	Radio Transmitter Generator (I & 10th Streets)	UF	Unfunded	Poor	15,000	-	-	-	-	-	-	-	-	15,000
<b>PARKS AND RECREATION</b>														
PK0216	Facility Improvement Revolving Fund	R	Revolving	Good	105,000	-	15,000	15,000	15,000	15,000	15,000	15,000	15,000	-
PK0205	Restroom Replacement Program	R	Revolving	Poor	1,200,000	-	300,000	150,000	150,000	150,000	150,000	150,000	150,000	-
PK0418	Civic Field Upgrades	R	Revolving	Poor	110,000	-	110,000	-	-	-	-	-	-	-
PK0318	Waterfront Trail Rip-Rap Repair	R	Revolving	Poor	683,000	-	83,000	100,000	100,000	100,000	100,000	100,000	100,000	-
PK0819	City Pier Railing Replacement	A	Active	Poor	565,000	2,000	163,000	200,000	200,000	-	-	-	-	-
PK0120	24 Hour Restroom Pilot Project	A	Active	Good	200,000	-	200,000	-	-	-	-	-	-	-
PK0220	Field Turf at Volunteer Field	A	Active	Good	1,200,000	-	-	500,000	-	700,000	-	-	-	-
PK0219	Generation II Dream Playground	A	Active	Good	475,000	-	475,000	-	-	-	-	-	-	-
PK0719	Parks Maintenance Building	A	Active	Poor	756,500	174,400	50,000	250,000	282,100	-	-	-	-	-
PK0919	Fine Arts Center Capital Improvements	A	Active	Good	40,200	-	40,200	-	-	-	-	-	-	-
PK0119	Erickson Playfield Pump Track	A	Active	Good	400,000	-	10,000	390,000	-	-	-	-	-	-
PK0519	City Pier Erosion Stabilization & Sidewalk Repair (Peabody Creek)	5	Planning	Poor	290,000	-	10,000	280,000	-	-	-	-	-	-
PK0316	Locomotive #4 Refurbishment	UF	Unfunded	Poor	250,000	-	-	-	-	-	-	-	-	250,000
PK0319	City Pier Inspection Repairs	UF	Unfunded	Fair	835,000	-	-	-	-	-	-	-	-	835,000
PK0320	HVAC Upgrades at City Hall & Sr Center	UF	Unfunded	Poor	1,000,000	-	-	-	-	-	-	-	-	1,000,000
PK0406	Shane & Elks Field Lighting	UF	Unfunded	Poor	1,000,000	-	-	-	-	-	-	-	-	1,000,000
PK0420	Ediz Hook Boat Launch Repairs	UF	Unfunded	Poor	250,000	-	-	-	-	-	-	-	-	250,000
PK0802	Neighborhood Park Development	UF	Unfunded	Poor	250,000	-	-	-	-	-	-	-	-	250,000
<b>TOTALS</b>					<b>21,853,600</b>	<b>1,037,400</b>	<b>2,514,300</b>	<b>2,389,000</b>	<b>1,045,800</b>	<b>1,218,000</b>	<b>455,000</b>	<b>517,000</b>	<b>884,200</b>	<b>11,792,900</b>

KEY	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded



								CAPITAL FACILITIES PLAN						
ELECTRIC PROJECTS		PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2020	2021	2022	2023	2024	2025	2026	UNFUNDED
Number	Title													
<b>ELECTRIC</b>														
CLCAP	Maintenance Capital Contribution	R	Revolving	Fair	1,150,000	-	200,000	200,000	150,000	150,000	150,000	150,000	150,000	-
CL0414	Construct New Light Ops Building	A	Active	Fair	6,400,000	77,100	6,322,900	-	-	-	-	-	-	-
CL0916	Replace Laurel Street Substation Switchgear	A	Active	Excellent	500,000	-	500,000	-	-	-	-	-	-	-
CL0716	F Street Substation Switchgear	1	Planning	Poor	500,000	-	500,000	-	-	-	-	-	-	-
CL0119	Overhead Reconductoring - 2020	2	Planning	Poor	200,000	-	200,000	-	-	-	-	-	-	-
CL0319	Underground Cable Replacement - 2020	3	Design	Poor	250,000	-	250,000	-	-	-	-	-	-	-
CL0217	I Street Substation Switchgear Replacement	4	Planning	Poor	500,000	-	500,000	-	-	-	-	-	-	-
CL0220	Laurel Street LTC Replacement	5	Planning	Poor	200,000	-	200,000	-	-	-	-	-	-	-
CL0320	F Street LTC Replacement	6	Planning	Fair	200,000	-	200,000	-	-	-	-	-	-	-
CL0420	College Street LTC Replacement	7	Pre-Planning	Fair	200,000	-	-	200,000	-	-	-	-	-	-
CL0919	"A" Street Substation Switchgear Replacement	8	Planning	Fair	500,000	-	-	500,000	-	-	-	-	-	-
CL0419	Underground Cable Replacement - 2021	9	Pre-Planning	Fair	250,000	-	-	250,000	-	-	-	-	-	-
CL0620	Electric Vehicle Charging Station	10	Pre-Planning	Fair	48,000	-	-	48,000	-	-	-	-	-	-
CL0519	Underground Cable Replacement - 2022	11	Pre-Planning	Fair	250,000	-	-	-	250,000	-	-	-	-	-
CL0216	City/PUD Service Area Capital Needs	12	Pre-Planning	Good	400,000	-	-	-	200,000	200,000	-	-	-	-
CL0117	Washington Street Substation Switchgear	13	Planning	Fair	500,000	-	-	-	-	500,000	-	-	-	-
CL0819	Overhead Reconductoring - 2023	14	Pre-Planning	Fair	200,000	-	-	-	-	200,000	-	-	-	-
CL0619	Underground Cable Replacement - 2023	15	Pre-Planning	Fair	250,000	-	-	-	-	250,000	-	-	-	-
CL0719	Underground Cable Replacement - 2024	16	Pre-Planning	Fair	250,000	-	-	-	-	-	250,000	-	-	-
CL1019	Underground Cable Replacement - 2025	17	Pre-Planning	Fair	250,000	-	-	-	-	-	-	250,000	-	-
CL0120	F Street Transformer Replacement	18	Pre-Planning	Fair	1,200,000	-	-	-	-	-	-	-	1,200,000	-
CL0202	Feeder Tie Hwy 101, Porter to Golf Course Road	UF	Pre-Planning	Excellent	350,000	-	-	-	-	-	-	-	-	350,000
CL0816	College Street Substation Switchgear	UF	Unfunded	Fair	500,000	-	-	-	-	-	-	-	-	500,000
CL0520	Substation Seismic Bracing	UF	Unfunded	Fair	500,000	-	-	-	-	-	-	-	-	500,000
<b>TOTALS</b>					<b>15,548,000</b>	<b>77,100</b>	<b>8,872,900</b>	<b>1,198,000</b>	<b>600,000</b>	<b>1,300,000</b>	<b>400,000</b>	<b>400,000</b>	<b>1,350,000</b>	<b>1,350,000</b>

								CAPITAL FACILITIES PLAN						
WATER PROJECTS		PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2020	2021	2022	2023	2024	2025	2026	UNFUNDED
Number	Title													
<b>WATER</b>														
CAPWT	General Water Equipment	R	Revolving	Good	466,300	116,300	50,000	50,000	50,000	50,000	50,000	50,000	50,000	-
WT0118	Ranney Well Roof	A	Active	Fair	90,300	300	90,000	-	-	-	-	-	-	-
WT0220	Ranney Well Generator Relocate	A	Active	Poor	175,000	-	175,000	-	-	-	-	-	-	-
WT0419	Decant Facility at Transfer Station - Water Soils Decant Bays	A	Active	Fair	200,000	-	25,000	175,000	-	-	-	-	-	-
WT0120	Water System SCADA Upgrade	1	Planning	Poor	650,000	-	150,000	500,000	-	-	-	-	-	-
WT0218	Reservoir Repairs	2	Planning	Poor	275,000	-	31,000	244,000	-	-	-	-	-	-
WT0619	Peabody Reservoir Inlet Pipe Replacement	3	Planning	Fair	340,000	-	105,000	235,000	-	-	-	-	-	-
WT0519	Water Treatment Plant Repairs	4	Planning	Fair	170,000	-	30,000	140,000	-	-	-	-	-	-
WT0319	Ground Water Resiliency Program	5	Planning	Fair	1,400,000	-	150,000	500,000	750,000	-	-	-	-	-
WT0320	Morse Creek Transmission Main Eval/Design	6	Planning	Poor	400,000	-	-	400,000	-	-	-	-	-	-
WT0612	3rd & Vine Street Main	7	Planning	Fair	360,000	-	-	360,000	-	-	-	-	-	-
WT0420	Ennis Creek Water Main Relocate	8	Pre-Planning	Good	200,000	-	-	-	200,000	-	-	-	-	-
WT0111	Liberty Street Water Main	9	Design	Good	485,700	15,700	-	-	-	470,000	-	-	-	-
WT0219	Peabody Heights Floating Cover Replacement	10	Planning	Fair	400,000	-	-	-	-	-	200,000	200,000	-	-
WT0512	East 4th Street Water Main	11	Planning	Good	472,000	-	-	-	-	-	472,000	-	-	-
WT0212	East 6th Street Water Main	12	Planning	Good	340,000	-	-	-	-	-	-	340,000	-	-
WT0412	West 4th Street Water Main	13	Planning	Good	1,500,000	-	-	-	-	-	-	-	1,500,000	-
WT0717	Race/Caroline Street Fire Flow	UF	Unfunded	Good	670,000	-	-	-	-	-	-	-	-	670,000
WT0112	10th Street Water Main	UF	Unfunded	Fair	905,000	-	-	-	-	-	-	-	-	905,000
WT0116	Marine Drive Main Replacement Phase II	UF	Unfunded	Poor	1,500,000	-	-	-	-	-	-	-	-	1,500,000
WT0117	Mill Creek Reservoir Expansion	UF	Unfunded	Poor	3,400,000	-	-	-	-	-	-	-	-	3,400,000
WT0119	McDougal Pressure Subzone	UF	Unfunded	Poor	700,000	-	-	-	-	-	-	-	-	700,000
WT0214	Transmission Main East of Golf Course Road	UF	Unfunded	Poor	2,275,000	-	-	-	-	-	-	-	-	2,275,000
WT0217	Airport/Edgewood Drive Water Main Extension	UF	Unfunded	Poor	5,000,000	-	-	-	-	-	-	-	-	5,000,000
WT0314	Tumwater Truck Route Commercial Fire Flow (LID)	UF	Unfunded	Poor	289,000	-	-	-	-	-	-	-	-	289,000
WT0317	Scribner Booster Station Upgrade	UF	Unfunded	Poor	1,500,000	-	-	-	-	-	-	-	-	1,500,000
WT0318	Viewcrest/Laurel Intertie/PRV	UF	Unfunded	Poor	200,000	-	-	-	-	-	-	-	-	200,000
WT0417	1st/Laurel Street Fire Flow	UF	Unfunded	Poor	384,000	-	-	-	-	-	-	-	-	384,000
WT0418	10th/11th Alley Water Main Replacement	UF	Unfunded	Poor	150,000	-	-	-	-	-	-	-	-	150,000
WT0517	6th/Laurel and 5th Street Fire Flow	UF	Unfunded	Poor	641,000	-	-	-	-	-	-	-	-	641,000
WT0617	Porter Street Zone PRV Improvements	UF	Unfunded	Poor	300,000	-	-	-	-	-	-	-	-	300,000
WT0817	St Andrews Place Fire Flow Loop	UF	Unfunded	Poor	530,000	-	-	-	-	-	-	-	-	530,000
WT0917	East First Street Fire Flow	UF	Unfunded	Poor	92,000	-	-	-	-	-	-	-	-	92,000
WT1017	18th Street Fire Flow	UF	Unfunded	Poor	480,500	-	-	-	-	-	-	-	-	480,500
WT1117	Lauridsen Blvd/Tumwater Fire Flow	UF	Unfunded	Poor	560,000	-	-	-	-	-	-	-	-	560,000
<b>TOTALS</b>					<b>27,500,800</b>	<b>132,300</b>	<b>806,000</b>	<b>2,604,000</b>	<b>1,000,000</b>	<b>520,000</b>	<b>722,000</b>	<b>590,000</b>	<b>1,550,000</b>	<b>19,576,500</b>

KEY	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded



								CAPITAL FACILITIES PLAN						
Number	WASTEWATER PROJECTS Title	PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2020	2021	2022	2023	2024	2025	2026	UNFUNDED
<b>WASTEWATER</b>														
CAPWW	General Wastewater Equipment	R	Revolving	Excellent	693,300	267,300	126,000	50,000	50,000	50,000	50,000	50,000	50,000	-
WW0308	Pump Station #3 Replacement	A	Active	Fair	1,479,600	170,000	1,309,600	-	-	-	-	-	-	-
WW0618	2019 Neighborhood Sewer Rehab	A	Active	Poor	300,000	-	300,000	-	-	-	-	-	-	-
WW0519	Decant Facility at Transfer Station - Wastewater Soils Decant Bays	A	Active	Fair	200,000	-	25,000	175,000	-	-	-	-	-	-
WW0319	Wastewater Comprehensive Plan	1	Planning	Poor	300,000	-	200,000	100,000	-	-	-	-	-	-
WW0219	WWTP Digester Cleaning and Repair	2	Planning	Poor	100,000	-	100,000	-	-	-	-	-	-	-
WW0419	WWTP HVAC Replacement	3	Planning	Poor	200,000	-	50,000	150,000	-	-	-	-	-	-
WW0718	2020 Neighborhood Sewer Rehabilitation	4	Planning	Poor	300,000	-	300,000	-	-	-	-	-	-	-
WW0508	Digester Mixing Improvement WWTP	5	Planning	Excellent	600,000	-	-	50,000	150,000	400,000	-	-	-	-
WW0818	2021 Neighborhood Sewer Rehabilitation	6	Planning	Poor	300,000	-	-	300,000	-	-	-	-	-	-
WW0420	WWTP Potable Water Air-Gap	7	Planning	Fair	75,000	-	-	25,000	50,000	-	-	-	-	-
WW0220	West 4th Street Capacity Improvement	8	Planning	Good	500,000	-	-	75,000	425,000	-	-	-	-	-
WW0520	Sanitary Force Main Relocate (Lees Creek)	9	Pre-Planning	Fair	200,000	-	-	-	200,000	-	-	-	-	-
WW0715	Oak Street Sewer Separation	10	Planning	Excellent	275,000	-	-	-	25,000	250,000	-	-	-	-
WW0815	Laurel Street Sewer Separation	11	Planning	Excellent	275,000	-	-	-	25,000	250,000	-	-	-	-
WW0918	2022 Neighborhood Sewer Rehabilitation	12	Planning	Poor	300,000	-	-	-	300,000	-	-	-	-	-
WW0516	WWTP Boiler Replacement	13	Planning	Excellent	115,000	-	-	-	45,000	70,000	-	-	-	-
WW1018	2023 Neighborhood Sewer Rehabilitation	14	Planning	Poor	300,000	-	-	-	-	300,000	-	-	-	-
WW1118	2024 Neighborhood Sewer Rehabilitation	15	Planning	Poor	300,000	-	-	-	-	-	300,000	-	-	-
WW0120	Pump Station 3 Force Main Replacement	16	Planning	Good	2,200,000	-	-	-	-	-	-	200,000	2,000,000	-
WW0415	Pump Station #5 Rehabilitation	UF	Unfunded	Poor	-	-	-	-	-	-	-	-	-	Unknown
WW0915	Pump Station #6 Improvements	UF	Unfunded	Poor	-	-	-	-	-	-	-	-	-	Unknown
WW0110	Aeration Blower Replacement	UF	Unfunded	Poor	550,000	-	-	-	-	-	-	-	-	550,000
WW0217	Ennis Creek Force Main Removal	UF	Unfunded	Poor	225,000	-	-	-	-	-	-	-	-	225,000
WW0608	Waste Activated Sludge Thickening WWTP	UF	Unfunded	Poor	1,500,000	-	-	-	-	-	-	-	-	1,500,000
WW1115	1st & 2nd Streets Alley Sewer Separation	UF	Unfunded	Poor	120,000	-	-	-	-	-	-	-	-	120,000
WW1215	Shane Park Sewer Separation	UF	Unfunded	Poor	280,000	-	-	-	-	-	-	-	-	280,000
WW1315	Pine Hill Sewer Separation	UF	Unfunded	Poor	275,000	-	-	-	-	-	-	-	-	275,000
WW0119	Biosolid Pyrolysis	UF	Unfunded	Poor	4,000,000	-	-	-	-	-	-	-	-	4,000,000
WW0518	Francis Street Sewer Trestle Repair	UF	Unfunded	Poor	50,000	-	-	-	-	-	-	-	-	50,000
WW0320	WWTP Septic Truck Pad Repair	UF	Unfunded	Poor	120,000	-	-	-	-	-	-	-	-	120,000
<b>TOTALS</b>					<b>16,132,900</b>	<b>437,300</b>	<b>2,410,600</b>	<b>925,000</b>	<b>1,270,000</b>	<b>1,320,000</b>	<b>350,000</b>	<b>250,000</b>	<b>2,050,000</b>	<b>7,120,000</b>

								CAPITAL FACILITIES PLAN						
Number	CSO PROJECTS Title	PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2020	2021	2022	2023	2024	2025	2026	UNFUNDED
<b>COMBINED SEWER OVERFLOW</b>														
WW0117	Francis Street Pigging Bypass	1	Planning	Good	190,000	-	-	190,000	-	-	-	-	-	-
WW0316	CSO 6 and 7 Reconstruction	2	Planning	Good	208,400	43,400	-	-	15,000	150,000	-	-	-	-
<b>TOTALS</b>					<b>398,400</b>	<b>43,400</b>	<b>-</b>	<b>190,000</b>	<b>15,000</b>	<b>150,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

								CAPITAL FACILITIES PLAN						
Number	SOLID WASTE PROJECTS Title	PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2020	2021	2022	2023	2024	2025	2026	UNFUNDED
<b>SOLID WASTE</b>														
SW0112	Decant Facility at Transfer Station	A	Active	Fair	672,400	25,100	180,000	467,300	-	-	-	-	-	-
SW0117	Landfill Operating Software	A	Active	Poor	200,000	-	200,000	-	-	-	-	-	-	-
SW0120	Landfill Pump Station 17 Repair	1	Planning	Fair	190,000	-	190,000	-	-	-	-	-	-	-
SW0218	Landfill Security Fencing	UF	Unfunded	Poor	200,000	-	-	-	-	-	-	-	-	200,000
<b>TOTALS</b>					<b>1,262,400</b>	<b>25,100</b>	<b>570,000</b>	<b>467,300</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>200,000</b>

KEY	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded



STORMWATER PROJECTS							CAPITAL FACILITIES PLAN							UNFUNDED
Number	Title	PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2020	2021	2022	2023	2024	2025	2026	
STORMWATER														
DR0213	H Street Stormwater Outfall	A	Design	Poor	560,000	4,500	5,500	550,000	-	-	-	-	-	-
DR0215	Francis Street Outfall Repair	A	Design	Fair	65,000	-	25,000	40,000	-	-	-	-	-	-
DR0120	Decant Facility at Transfer Station - Stormwater Soils Decant Bays	A	Design	Fair	200,000	-	25,000	175,000	-	-	-	-	-	-
DR0119	N Street Outfall Improvement	1	Planning	Poor	312,500	-	62,500	250,000	-	-	-	-	-	-
DR0804	Lincoln Park / Big Boy Pond Study	2	Planning	Fair	110,000	-	-	110,000	-	-	-	-	-	-
DR0404	Stormwater at Canyon Edge & Ahlvers	3	Planning	Fair	3,560,000	-	-	-	260,000	1,300,000	-	-	-	2,000,000
DR0117	Peabody Street Water Quality Project	4	Planning	Fair	651,000	-	-	-	21,000	630,000	-	-	-	-
DR0115	Liberty Street Stormwater Improvement	5	Planning	Fair	2,520,000	-	-	-	-	-	220,000	1,100,000	-	1,200,000
DR0304	Stormwater at Laurel Street & US 101	6	Planning	Fair	660,000	-	-	-	-	-	-	110,000	550,000	-
DR0219	Outfall to Creek Improvement Program	7	Planning	Fair	146,000	-	-	-	-	-	-	41,000	105,000	-
DR0112	Valley Creek Culvert & Outfall	UF	Unfunded	Poor	910,000	-	-	-	-	-	-	-	-	910,000
<b>TOTALS</b>					<b>9,694,500</b>	<b>4,500</b>	<b>118,000</b>	<b>1,125,000</b>	<b>281,000</b>	<b>1,930,000</b>	<b>220,000</b>	<b>1,251,000</b>	<b>655,000</b>	<b>4,110,000</b>

DEPARTMENT	PROJECT TOTAL	10 YEAR AVERAGE	BUDGET 2020	CAPITAL FACILITIES PLAN								
				2021	2022	2023	2024	2025	2026			
EQUIPMENT SERVICES												
Finance	117,200	11,700	-	-	39,000	-	39,000	-	-	-		
Community Development	77,800	7,800	-	-	-	-	-	-	-	-		
Police	1,880,550	188,100	151,200	191,000	157,500	160,550	163,800	167,100	170,400			
Fire & Medic 1	3,786,800	378,700	44,600	-	45,100	495,100	195,100	-	-			
Parks & Recreation	1,501,500	150,200	-	100,100	28,500	99,600	38,900	96,700	97,200			
Engineering	118,700	11,900	-	-	-	-	77,800	40,900	-			
Light Operations	2,321,200	232,100	275,600	48,000	69,400	86,800	51,100	107,100	25,600			
Water	1,188,100	118,800	230,200	38,800	-	127,800	38,900	-	226,200			
Wastewater	1,219,600	122,000	-	-	-	38,800	-	38,900	11,400			
Solid Waste	2,036,100	203,600	392,000	-	395,400	-	354,800	21,400	444,500			
Stormwater	820,100	82,000	-	-	-	-	-	-	68,800			
Conservation	-	-	-	-	-	-	-	-	-			
Equipment Services	962,100	96,200	-	64,300	255,400	-	79,800	434,800	-			
Information Technology	35,900	3,600	-	-	-	-	-	-	-			
Streets	2,530,900	253,100	548,800	428,900	25,500	25,600	250,800	350,400	159,600			
<b>TOTALS</b>				<b>18,596,550</b>	<b>1,859,655</b>	<b>1,642,400</b>	<b>871,100</b>	<b>1,015,800</b>	<b>1,034,250</b>	<b>1,290,000</b>	<b>1,257,300</b>	<b>1,203,700</b>

INFORMATION TECHNOLOGY PROJECTS							CAPITAL FACILITIES PLAN							UNFUNDED
Number	Title	PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2020	2021	2022	2023	2024	2025	2026	
INFORMATION SERVICES														
IT0714	Data Backup Systems Replacement	R	Revolving	Poor	210,000	-	210,000	-	-	-	-	-	-	-
IT0514	Data Storage Array Systems	R	Revolving	Poor	150,000	-	-	150,000	-	-	-	-	-	-
IT0319	Network Refresh	R	Revolving	Poor	280,000	-	-	-	-	-	280,000	-	-	-
IT0918	Internal Network Segmentation & VLAN Configuration	A	Active	Poor	221,000	91,000	130,000	-	-	-	-	-	-	-
IT0218	Click2Gov3 / Fusion	A	Active	Poor	14,900	9,900	5,000	-	-	-	-	-	-	-
IT0816	Facility and Class Management Scheduling	A	Active	Poor	10,000	-	10,000	-	-	-	-	-	-	-
IT0214	Records Management System	A	Active	Poor	104,100	14,100	-	30,000	-	30,000	-	30,000	-	-
IT0416	Cemetery Software	A	Active	Poor	30,000	-	30,000	-	-	-	-	-	-	-
IT0119	Wireless Bridge	A	Active	Poor	60,000	-	60,000	-	-	-	-	-	-	-
IT0716	ERP Road Map	1	Planning	Poor	50,000	-	50,000	-	-	-	-	-	-	-
IT0219	City Hall Wireless Network	2	Planning	Poor	21,000	-	21,000	-	-	-	-	-	-	-
IT1018	UPS Replacement - Disaster Recovery Data Center	3	Planning	Poor	60,000	-	60,000	-	-	-	-	-	-	-
IT1118	IT Security Audit	4	Planning	Poor	20,000	-	20,000	-	-	-	-	-	-	-
IT0617	Executime Scheduling Module	5	Planning	Poor	30,000	-	-	30,000	-	-	-	-	-	-
IT0618	Virtual Server Replacements	6	Planning	Poor	450,000	-	-	150,000	-	150,000	-	150,000	-	-
IT0120	Development Services Permitting Software	UF	Pre-Planning	Poor	100,000	-	-	-	-	-	-	-	-	100,000
IT0216	Business License System	UF	Unfunded	Poor	125,000	-	-	-	-	-	-	-	-	125,000
IT1213	Enterprise Information System	UF	Unfunded	Poor	3,200,000	-	-	-	-	-	-	-	-	3,200,000
IT0220	On/Off Boarding Software	UF	Unfunded	Poor	25,000	-	-	-	-	-	-	-	-	25,000
IT0320	ESRI Migration to Arc Pro	UF	Unfunded	Poor	100,000	-	-	-	-	-	-	-	-	100,000
<b>TOTALS</b>					<b>5,261,000</b>	<b>115,000</b>	<b>596,000</b>	<b>360,000</b>	<b>-</b>	<b>180,000</b>	<b>280,000</b>	<b>180,000</b>	<b>-</b>	<b>3,550,000</b>

KEY	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded



							TRANSPORTATION IMPROVEMENT PLAN							
TRANSPORTATION PROJECTS		PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2020	2021	2022	2023	2024	2025	2026	UNFUNDED
Number	Title							2021	2022	2023	2024	2025	2026	
<b>TRANSPORTATION BENEFIT DISTRICT PROJECTS</b>														
TR1118	Revolving Street Improvements	R	Revolving	Poor	224,500	14,500	30,000	30,000	30,000	30,000	30,000	30,000	30,000	-
TR0414	Peabody Creek/Lincoln Street Culvert Repair	A	Active	Poor	3,447,000	700	150,000	296,300	3,000,000	-	-	-	-	-
TR1299	Park Avenue Chip Seal (Peabody to Race Streets)	A	Active	Poor	130,000	-	130,000	-	-	-	-	-	-	-
TR1516	Peabody Street Chip Seal Phase I (Lauridsen Blvd to 8th St)	A	Active	Poor	125,000	-	125,000	-	-	-	-	-	-	-
TR0215	Peabody Street Chip Seal Phase III (Ahlfers Rd to Park Ave)	A	Active	Poor	200,000	-	200,000	-	-	-	-	-	-	-
TR0315	Peabody Street Chip Seal Phase II (Park Ave to Lauridsen Blvd)	A	Active	Poor	225,000	-	225,000	-	-	-	-	-	-	-
TR0218	Lincoln Street Safety	A	Active	Fair	1,585,000	-	235,000	1,350,000	-	-	-	-	-	-
TR0615	Golf Course Road Chip Seal (1st St to Lindberg Rd)	1	Planning	Poor	300,000	-	-	300,000	-	-	-	-	-	-
TR1416	Hamilton School Walking Routes	3	Planning	Poor	915,000	-	15,000	-	100,000	800,000	-	-	-	-
TR0616	ADA - Francis Street	4	Planning	Poor	315,000	-	15,000	300,000	-	-	-	-	-	-
TR0320	2021 Pavement Preservation	5	Planning	Fair	400,000	-	-	400,000	-	-	-	-	-	-
TR0618	Stevens Middle School Walking Routes	6	Planning	Fair	665,000	-	-	15,000	-	50,000	600,000	-	-	-
TR0115	N Street Chip Seal (5th to 18th Streets)	9	Planning	Fair	300,000	-	-	-	300,000	-	-	-	-	-
TR0518	I Street Chip Seal (5th to 16th Streets)	10	Planning	Poor	300,000	-	-	-	300,000	-	-	-	-	-
TR0316	8th Street Chip Seal (A to I Streets)	11	Planning	Fair	300,000	-	-	-	300,000	-	-	-	-	-
TR0219	5th Street Chip Seal (A to M Streets)	12	Planning	Fair	350,000	-	-	-	350,000	-	-	-	-	-
TR0417	Ennis Street Pavement Repair	13	Planning	Fair	100,000	-	-	-	100,000	-	-	-	-	-
TR0117	Liberty Street Reconstruction	14	Planning	Poor	460,000	-	-	-	10,000	450,000	-	-	-	-
TR1799	Truck Route at Hwy 101 Intersection	17	Pre-Planning	Fair	6,650,000	-	-	-	-	-	150,000	-	6,500,000	-
TR0420	2023 Pavement Preservation	24	Planning	Fair	400,000	-	-	-	-	400,000	-	-	-	-
TR0716	ADA - Peabody Street	25	Planning	Poor	310,000	-	-	-	-	10,000	300,000	-	-	-
TR0915	Park Avenue Paving Overlay (Race to Liberty Streets)	26	Planning	Fair	390,000	-	-	-	-	-	15,000	375,000	-	-
TR0520	2024 Pavement Preservation	27	Planning	Fair	400,000	-	-	-	-	-	400,000	-	-	-
TR0119	8th Street Paving (Lincoln to A Streets)	29	Planning	Fair	1,115,000	-	-	-	-	15,000	-	1,100,000	-	-
TR0620	2026 Pavement Preservation	30	Planning	Fair	400,000	-	-	-	-	-	-	-	400,000	-
TR0419	Lauridsen Blvd Reconstruction (L St to City Limits)	31	Pre-Planning	Poor	700,000	-	-	-	-	-	-	-	700,000	-
TR0720	18th Street Chip Seal	32	Planning	Fair	300,000	-	-	-	-	-	-	-	300,000	-
TR0818	Railroad Ave Overlay	UF33	Unfunded	Poor	215,000	-	-	-	-	-	-	-	-	215,000
TR0499	Laurel St/Ahlfers Road Overlay	UF34	Unfunded	Poor	450,000	-	-	-	-	-	-	-	-	450,000
TR0816	ADA - Cherry Street	UF36	Unfunded	Poor	340,000	-	-	-	-	-	-	-	-	340,000
TR1015	Cherry Street Area Chip Seal	UF37	Unfunded	Poor	750,000	-	-	-	-	-	-	-	-	750,000
TR0916	ADA - Oak & Laurel Streets	UF39	Unfunded	Poor	300,000	-	-	-	-	-	-	-	-	300,000
TR1899	Lincoln, Laurel and Lauridsen Blvd Intersection	UF41	Unfunded	Poor	1,800,000	-	-	-	-	-	-	-	-	1,800,000
TR0104	2nd & Valley Streets Pavement	UF43	Unfunded	Poor	550,000	-	-	-	-	-	-	-	-	550,000
TR0308	O Street Improvements	UF48	Unfunded	Poor	1,500,000	-	-	-	-	-	-	-	-	1,500,000
TR0599	Hill Street Intersection	UF49	Unfunded	Poor	485,000	-	-	-	-	-	-	-	-	485,000
TR0317	Chase Street Vicinity Chip Seal	UF51	Unfunded	Poor	320,000	-	-	-	-	-	-	-	-	320,000
<b>TRANSPORTATION PROJECTS</b>														
TR0405	Alley Paving Revolving Funding	R	Revolving	Poor	985,100	100	200,000	250,000	-	10,000	125,000	-	400,000	-
TR0416	1st/2nd/Valley/Oak Green Alley	R	Revolving	Poor	472,200	22,200	-	-	450,000	-	-	-	-	-
TR1120	Complete Streets Revolving Fund	R	Revolving	Poor	500,000	-	-	-	-	200,000	-	200,000	100,000	-
TR0111	Marine Drive Channel Bridge	C	Complete	Excellent	620,500	610,500	10,000	-	-	-	-	-	-	-
TR0114	Hill Street - Olympic Discovery Trail	A	Active	Fair	3,941,600	208,600	19,000	3,714,000	-	-	-	-	-	-
TR0209	Race Street Complete Design & Construction Phase I	A	Active	Fair	4,712,400	289,400	450,000	3,973,000	-	-	-	-	-	-
TR0909	Wayfinding & ODT Signage	A	Active	Poor	312,000	13,800	-	298,200	-	-	-	-	-	-
TR1216	5th & Liberty Streets Solar Speed Display	A	Active	Poor	26,800	21,800	5,000	-	-	-	-	-	-	-
TR0519	Peabody Street Sidewalk Repair	A	Design	Poor	95,000	100	94,900	-	-	-	-	-	-	-
TR0919	Traffic Safety Camera program	2	Planning	Fair	35,000	-	35,000	-	-	-	-	-	-	-
TR0918	Downtown Tree/Sidewalk Replacement Phase II	7	Planning	Poor	300,000	-	-	300,000	-	-	-	-	-	-
TR0101	Laurel Street Stairs Replacement	8	Design	Poor	485,000	-	35,000	450,000	-	-	-	-	-	-
TR1215	City Hall East Parking Lot LID	15	Planning	Excellent	610,700	-	110,700	-	500,000	-	-	-	-	-
TR0715	16th Street LID (C to L Streets)	16	Planning	Fair	1,060,000	-	160,000	-	900,000	-	-	-	-	-
TR0920	Lauridsen Blvd Flashing Beacons	18	Planning	Fair	40,000	-	-	40,000	-	-	-	-	-	-
TR1020	N Street Solar Speed Display	19	Active	Poor	30,000	-	-	-	30,000	-	-	-	-	-
TR0220	Traffic Circle Program	20	Planning	Fair	1,180,000	-	-	80,000	1,100,000	-	-	-	-	-
TR0120	Signal Controller Upgrades 1st/Front	21	Planning	Fair	1,585,000	-	-	-	225,000	1,360,000	-	-	-	-
TR1116	School Area Speed Signs (Near Franklin)	22	Planning	Fair	50,000	-	-	-	-	50,000	-	-	-	-
TR1399	Traffic Signal Interconnect/Preemption	23	Unfunded	Fair	600,000	-	-	-	-	300,000	300,000	-	-	-
TR0318	8th/10th Street Bike Lanes	28	Planning	Fair	400,000	-	-	-	-	-	20,000	380,000	-	-
TR0113	Waterfront Redevelopment Phase III	UF35	Unfunded	Fair	20,000,000	-	-	-	-	-	-	-	-	20,000,000
TR1016	18th Street Bike Accessibility	UF38	Unfunded	Poor	800,000	-	-	-	-	-	-	-	-	800,000
TR1109	Marine Drive Bulkhead Repairs	UF40	Unfunded	Fair	-	-	-	-	-	-	-	-	-	Unknown
TR0212	Caroline Street Slide Repair	UF42	Unfunded	Poor	375,000	-	-	-	-	-	-	-	-	375,000
TR1009	1st, Front & Race Street Nodes	UF44	Unfunded	Poor	423,000	-	-	-	-	-	-	-	-	423,000
TR0516	Nancy Lane Pavement	UF45	Unfunded	Poor	200,000	-	-	-	-	-	-	-	-	200,000
TR0506	Valley Creek Trail Loop	UF46	Unfunded	Poor	100,000	-	-	-	-	-	-	-	-	100,000
TR0208	Alternate Cross-Town Route Study	UF47	Unfunded	Poor	220,000	-	-	-	-	-	-	-	-	220,000
TR1316	Traffic Control	UF50	Unfunded	Poor	300,000	-	-	-	-	-	-	-	-	300,000
TR1018	Zig Zag at Oak Street	UF52	Unfunded	Poor	500,000	-	-	-	-	-	-	-	-	500,000
TR0619	Race Street Complete Construction Phase II	UF53	Unfunded	Fair	6,000,000	-	-	-	-	-	-	-	-	6,000,000
TR0719	First & Front Street Decoupling	UF54	Unfunded	Fair	-	-	-	-	-	-	-	-	-	Unknown
TR0819	Sidewalks for Mt Angeles Rd & Porter St	UF55	Unfunded	Poor	1,000,000	-	-	-	-	-	-	-	-	1,000,000
<b>TOTALS</b>					<b>75,675,800</b>	<b>1,181,700</b>	<b>2,244,600</b>	<b>11,796,500</b>	<b>7,695,000</b>	<b>3,675,000</b>	<b>1,940,000</b>	<b>2,085,000</b>	<b>8,430,000</b>	<b>36,628,000</b>

KEY	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded



# THE CAPITAL FACILITIES PLAN

Capital facilities are all around us. They are the public facilities we all use on a daily basis; streets, sidewalks, trails, parks, City Hall, recreational facilities, fire stations, and the Senior Center. Also, included in facilities are distribution and transmission lines for electric, water, sewer and stormwater. Even if you do not live in the City limits you use capital facilities every time you drive, eat, shop, work or play in Port Angeles.

While a Capital Facilities Plan and Transportation Improvement Plan (CFP/TIP) does not cover routine maintenance, it does include renovation, major repairs and reconstruction of damaged or deteriorating facilities. Capital facilities do not usually include furniture and equipment; however, a capital project may include the furniture and equipment clearly associated with a newly constructed or renovated facility.

The City of Port Angeles defines a capital facility project as a project that exceeds one year in length, and is over \$30,000 in costs. Of course exceptions to this definition are allowed based on the projects particular details.

The planning period for the CFP/TIP is six years. Expenditures and revenues proposed for the first year of the program are incorporated into the capital portion of the City's Budget, which is adopted in December of each year. It is important to note that this process is an ongoing activity with new information and changing priorities shaping the program. Each time a review is carried out a comprehensive analysis is performed to show long-term effects of any changes.

## The Importance of the CFP/TIP

A CFP allows the community and the City Council, to critically review and identify what is in good condition, what can be improved, what might be needed in the future, and what other opportunities might exist. Without this comprehensive approach, consideration and approval of capital improvements result in short-range, uncoordinated decision making, which fails to consider all the available information and resources. A haphazard approach can waste public funds and lead to poor project planning and timing.

Optimal capital planning provides a process that considers all the available information, analyzes the projects that are possible to fund, and produces a balance of projects, funding sources, and timing schedules. In addition a CFP/TIP:

- Facilitates repair and replacement of existing infrastructure, equipment, and buildings before they fail.
- Promotes efficiency by reducing scheduling conflicts and problems.
- Safeguards against investment in one public facility or service at the expense of others.
- Provides a framework to make decisions about growth and development of the community.
- Helps preserve existing property values.
- Provides a continuing process that minimizes the impact of turnover among elected and appointed officials.
- Focuses community attention on priority goals, needs and capabilities.
- Helps distribute costs equitably.
- Informs citizens about the community's overall needs and resources.
- Helps decision makers save time and avoid surprises.



## THE CFP PROCESS

The development and update of the CFP/TIP is an ongoing activity. It is part of the overall budgeting and long-range forecasting processes. The current year capital improvements are implemented through the adoption of the City Budget based on projects approved in the CFP. Specific activities in the process are:

1. **Timetable, Goals and Objectives.** The CFP/TIP process begins in January with Department entry and re-evaluation of projects. Once this portion of the process is complete Departments meet with the Finance Director and the City Manager to ensure projects are prioritized based on Council direction and sustainable funding exists to support all projects in the CFP. This process usually occurs at the end of March. The Finance department will then run analysis on the total project listings for depreciation, operating and maintenance costs and cash flows for inclusion in the Preliminary document that will be distributed to Council, the Utility Advisory Committee and Citizens for review. Beginning in May the UAC and Council will have meetings to review the document and projects and make recommended changes. Finally, Council will conduct two public hearings to allow Port Angeles residents an opportunity to make recommendations regarding the CFP, and they will adopt the CFP/TIP prior to June 30th. A graphic showing this process can be found on the next page.
2. **Taking Inventory and Developing Proposals.** Staff gathers information about all the City's capital facilities and equipment, assessing the condition of all. Construction, repair, replacement, and additions are considered and a list of proposed projects and equipment is developed.
3. **Public Participation.** The CFP process is an important public communication medium. It provides residents and businesses a clear and concrete view of the City's long term direction for capital improvements, and a better understanding of the City's ongoing need for stable revenue sources in order to fund large or multi-year capital projects. In conjunction with the City staff monitoring inventory and developing proposals, the public is invited to participate and submit capital improvement ideas. The public can participate through formal membership in one of the City's many committees or simply by attending a council meeting, or public hearing regarding the CFP/TIP.
4. **Conducting a Financial Analysis.** Staff conducts a financial analysis to examine historic and projected revenues and expenditures and to estimate the City's cash flow and long-term financial condition. Present and future capital financing alternatives are identified and recommendations are prepared to match the type of funding most appropriate for the specific kinds of capital improvements. The City includes ongoing maintenance costs in order to keep sight of those expenses when finalizing its long-range financial plan.
5. **Advisory Committee Evaluation of Proposals.** The list of proposals and financial analysis is submitted to the appropriate advisory committee for evaluation. The committees are comprised of City Staff, City Council, and Citizens. They are responsible for evaluating and prioritizing the proposals, by using criteria based on City policy, goals and objectives. The committees prioritize the proposals, integrate them with the appropriate funding sources, and submit a preliminary CFP for City Council and public review.
6. **City Council, Public Review and Adoption.** City Council conducts a worksession regarding the CFP/TIP including any proposed changes. During two separate Council meetings the City Council provides opportunity for public review and comment. Following incorporation of any changes the City Council formally adopts the plan prior to the June 30th deadline.



# THE CALENDAR OF SIGNIFICANT EVENTS

	RESIDENTS	ADMINISTRATIVE STAFF	CITY MANAGER & CITY COUNCIL
Through out the Year	<b>INPUT ON BUDGET PRIORITIES &amp; DIRECTION THROUGH:</b>		
	Direct Contact with the City Manager and City Council Community wide input City Council Meetings	<b>REVIEW OF PRIOR RESULTS</b> Information to Council and Community on Results through project closure and spending reports Planning Training on tracking system Tracking system available	<b>REVIEW OF PRIOR RESULTS</b> Using input from administration and residents provides feedback and guidance to Administration on priorities
February		Staff enter and update project information, adding new products	
	<b>ENTER</b>		
March		Projects reviewed by staff and forwarded to Management	Council priority setting process based on input from the community and staff
	<b>PRIORITIZE</b>		
April		Projects reviewed by Management Management prioritization of projects and first draft First draft to department heads for prioritization Department heads and City Manager complete prioritization Roll Budget from Prior Year	Set public hearing date Council priority setting process based on input from community and staff Council committee review initial draft and begin prioritization
	<b>FORMAL COUNCIL &amp; PUBLIC INPUT BEGINS</b>		
May	Initial public hearing on proposed CFP/TIP includes council workshop Additional public hearing(s) on proposed CFP	State Environmental Protection Agency Update due Introduction of CFP/TIP to City Council	Council workshop & public meetings as needed Public Hearings
	<b>BUDGET PROCESS BEGINS</b>		
June		Transportation Improvement Plan filed with the State	Close public hearings and pass resolution on CFP/TIP
	<b>PRIORITIZATION OF CAPITAL SPENDING</b>		
July	Community wide input	Budgeting for next year begins	
	<b>BUDGET APPROVED</b>		
August through December	Community discussion, input, and priority setting  Survey results	Management recommendation for spending presented to Council	City Council discussion at open City Council meetings Council finalize priorities Budget allocation for capital projects



## GROWTH MANAGEMENT AND THE CFP/TIP

A CFP is required for counties and cities under the Washington State Growth Management Act (GMA). The basic objective of the GMA is to guide local governments in writing and implementing comprehensive plans in accordance with each community's values and vision for the future. Planning under the GMA will help the City meet the challenges of growth in an environmentally and fiscally sound manner.

The requirements for preparing a capital facilities plan under the GMA changed the way comprehensive planning has been done in the City. Both the transportation and capital facilities elements reinforce the requirement that comprehensive plans, prepared under GMA, be realistic and able to be implemented. Requirements include setting levels of service standards, inventories, and forecasts of existing and needed capital facilities, as well as six-year financing plans.

The GMA requires that comprehensive plans guide growth and development in a manner that is consistent with the following thirteen state planning goals, plus one shoreline goal:

1. Encouragement of urban density growth within designated urban growth management areas.
2. Reduction of urban sprawl outside of designated urban growth management areas.
3. Encouragement of efficient transportation systems, including alternate systems of travel.
4. Encouragement of affordable housing availability to all economic segments.
5. Encouragement of economic development.
6. Proper compensation for private property obtained for public use.
7. Timely processing of governmental permits.
8. Enhancement of natural resource based industries and encouragement of productive land conservation.
9. Encouragement of open space retention for recreational opportunities and wildlife habitat.
10. Protection of the environment, including air and water quality.
11. Encouragement of citizen participation in the planning process.
12. Provision of adequate public facilities to support development without decreasing current service standards below locally established minimum standards.
13. Encouragement of the preservation of lands, sites, and structures that have historical or archaeological significance.
14. Protection of shorelines, including preserving natural character, protecting resources and ecology, increasing public access and fostering reasonable and appropriate uses.

## POLICY AND FISCAL DIRECTION

In developing the CFP, staff followed the policy and fiscal direction provided by the City Council, the Comprehensive Plan, the Strategic Plan the Long-Range Financial Plan (LRFP) and the Budget. This guidance includes defining the use of debt, financing options and financial responsibility available for use in the CFP.

As part of the City's strategic planning process, the City Council adopted a Vision Statement to guide the community toward a progressive future. The Vision Statement reads:

***The City of Port Angeles is vibrant and prospering, nurturing a balance of innovation and tradition to create an environmentally, economically, and fiscally sustainable community, accepting and cherishing its social diversity, small-town character and natural setting.***



In order to achieve this vision, the City Council will adopt projects that have long-term, positive effects on community revenue growth, keep City infrastructure in sound and stable condition without increases to rates for capital needs and that align with these strategic goals:

- **Economic and Community Development** – The City’s goal is to provide a well-planned community that is attractive and sustainable. Where citizens enjoy a high quality of life and a positive reward for their investment in the community.
- **Public Safety** – The City is working to reduce criminal activity, prevent personal injury, and the loss of life and property.
- **Transportation** – The City is working to develop a transportation plan that improves safety, reduces congestion, paves gravel roads, and helps people get to their destinations with ease.
- **Recreation Improvements** – The City’s goal is to provide attractive gathering places for all ages.
- **Information Technology Improvements** – The City’s goal is to provide computer programs and hardware that allow more efficient use of personnel time, which allows for quick and accurate reporting options and citizen access to important city information.
- **Infrastructure Improvement** – The City’s goal is to provide safe and effective electric, water, sewer, solid waste, stormwater, and City facilities, to provide cost effective services to the citizens of Port Angeles.

The capital projects of the City of Port Angeles are also compatible with the goals of the Comprehensive Land Use Plan, which is a general guide to location, character and land use, including the supporting infrastructure and public facilities.

## THE LONG RANGE FINANCIAL PLAN (LRFP) & THE CFP

The City takes a conservative approach to all financial planning to ensure revenues are not overspent at the end of the year. The LRFP will take into consideration cost recovery for operations, and revenue sources to complete necessary projects, this includes grants. Included in this plan are guidelines for capital spending that will:

- Focus on on projects that will support the Port Angeles community.
- Preserve existing infrastructure.
- Seek one-time revenue sources to be used for one-time expenditures (capital).
- Pursue new technologies and methods to improve services.
- Maintain capacity to respond to emerging needs.
- Address unfunded liabilities and mandates.
- Selectively recover costs.
- Recognize the link between operating and capital budgets.

In the years that the City has a positive financial forecast the City will assess the situation to determine if reserve balances are adequate, or if one-time excess revenues may be used for one-time capital projects. In years that the forecast is negative the City will work diligently to determine areas where savings can be achieved and may re-evaluate the current prioritized list of capital projects.



The LRFP is part of the the City's Financial Policies, another key document used when building the CFP. City policy states that General Fund reserve requirements must be 25% of operating expenses, and utility reserves require 90 days of operating expenses for all utilities except Electric which is at 60 days of operating expenditures. These reserve balances must be maintained regardless of the capital projects in need of funding.

The CFP/TIP also implements City financial policies, including:

- Investing identified excess reserves of general funds in capital projects.
- Maintaining a good credit rating. A symbol of a City government that is financially well managed and maintained.
- Adhering to the highest accounting and management policies as set by the Government Finance Officers' Association (GFOA), the Government Accounting Standards Board (GASB), and other professional standards for financial reporting and budgeting.
- Ensuring that adequate resources are allocated to preserve existing infrastructure and other capital assets before targeting resources toward construction or acquisition of public facilities or major equipment.
- Adopting a CFP that ensures infrastructure projects are the embodiment of the officially stated direction of the City's Comprehensive Plan.
- Identifying and coordinating infrastructure, facility, and equipment needs in a way that maximizes the return to the community.
- Leveraging grants and other outside funding to meet funding requirements.

The first priority for financing new projects will include the use of grants and contributions, then surplus reserves, rates, and finally the use of loans and bonds. However, at this time Council has directed that no new debt shall be obtained.

## RELATIONSHIP BETWEEN CFP/TIP AND OPERATING BUDGETS

The City's governmental and utility capital projects are budgeted in funds separate from the operating budget. The majority of the City's budgeted general capital projects are funded from dedicated revenue sources, which help to alleviate competition for general tax dollars between capital and operational needs. This fact, along with the City's conservative approach to project revenue and its sound financial planning and fiscal policies, has allowed the City to continue to provide basic services, invest in infrastructure, and address deferred maintenance needs.

New capital facilities occasionally increase the operational costs of the government when they require additional maintenance. The ability of ongoing revenue to support these costs varies significantly by the type of facility and is accounted for in the projected spending in the CFP. In some cases, capital expenditures decrease future costs, such as when facilities are upgraded. An example of this is the replacement of a leaking roof with a long-lasting roof, resulting in decreased maintenance cost.

Additionally, transportation costs can decrease maintenance of an area when potholes are no longer being filled after a repaving project. New sidewalks will decrease costs by removing the need to mow the area regularly. Widening sidewalks, trails and streets have minimal impact on operating expenses, but add functionality.



City owned facilities, including parks, can have operating impacts that vary greatly. Each project will describe the additional or reduced costs on the detail sheets. Operating costs are considered when each project is discussed during the CFP process. Regular maintenance for these facilities are also discussed and are budgeted in the Facilities Division budget.

Economic and Community Development impacts should remain as neutral as possible with additional ways to generate revenue as part of the project scope. There may be times revenues cannot be sustainable and would require an increased expenditure offset.

Utility projects impact the budget on an individual basis. For example, building a new water treatment plant will add personnel and maintenance costs, but building a water line to new areas could increase revenues for new sales. Debt payments are shown as increases in operating costs so correct financial analysis can be achieved.

Information technology impacts the operating budgets of all funds. Software and annual maintenance contracts often increase for upgrades and decreases can be seen if the new capital items reduce hours spent on a task.

## BUDGETING / ACCOUNTING STRUCTURE

Capital improvements associated with general governmental activities are budgeted in the Capital Improvement Fund (#310) in the appropriate division for the capital activity. This fund accounts for the governmental financial resources used in the acquisition and construction of major capital facilities and equipment. Additionally, a separate capital fund for collection of park revenues related to Lincoln Park and facility rentals, are reserved for the repair and maintenance of all park locations. Separate budget statements are prepared for each of the capital projects funds. In the CFP section of the budget, individual operating impacts are discussed for each active and proposed governmental project. General government tax revenues, transfers, bonds, grants, and contributions provide the funding for these projects. Transportation improvements associated with the TBD are budgeted in the Transportation Benefit District Fund (#312) in the appropriate division for the capital activity.

Capital improvements associated with the City's electric, water, wastewater, stormwater, landfill, solid waste and medic 1 utilities are budgeted within the respective Enterprise Capital Fund. A combination of reserves, utility rates, bonds, contributions, general government transfers and Public Works Trust Fund loans, are used to fund these projects. Projects provide new and improved infrastructure for our utility customers. These are shown as a separate budget per fund, providing both funding sources and expected revenues. These funds combine with the operating funds for reporting in the Comprehensive Annual Financial Report to provide an overall picture of utility activity.

Information Technology, Equipment Services, REET #1 and #2, and Lodging Tax funds transfer or pay directly for capital projects. The capital projects for Information Technology remain in fund #502. Funding for Information Technology is based on divisions and departments that benefit from the project. These costs are allocated to those departments annually. The Lodging Tax Advisory Committee, in a process separate from the CFP, recommends projects to be funded from Lodging Tax revenues. Those amounts are transferred to the appropriate capital project, with funding shown as a transfer out of the Lodging Tax Fund. REET funds cover specific RCW allowed capital expenditures. Equipment Services charges each fund an amount annually for equipment replacements which is held in Equipment Services fund until the purchases are made. Equipment Services works as a revolving fund with funding accumulating for each division until a replacement is required.



## DEBT & FUNDING SOURCES

The goal of the City is to maintain the ability to provide high quality essential services in a cost effective manner; however, in years past it has been necessary for the City to obtain debt to fund capital projects due to mandated or essential projects that cannot wait for a different funding source. State law limits general obligation bonded debt to 2.5% of assessed value of taxable property. Of this limit, up to 1.5% of the assessed value of taxable property may be non-voter debt, also referred to as Councilmanic Bonds. The remaining 1% of available bonded debt must be voter approved, whether general government in nature or related to utilities. The City also has debt authority to impose 2.5% each for utilities and parks, bringing the total debt limit to 7.5%. Note, the amount of non-voted bonds, plus voter-approved bonds must not exceed 2.5% of the assessed property valuation for the City of Port Angeles, or \$45.9 million as of January 1, 2019.

The General Fund can be obligated to pay for general bonds but revenue bonds rely on utility rates for their repayment stream. Prior to consideration of any debt Council and staff weigh the need for the project against the ability of residents to afford a rate increase. The Financial Policies of the City of Port Angeles further define the process and duties involved with obtaining each debt instrument. Basic goals are to:

- Conservatively project the revenue sources to pay off the debt, using one time revenues when available first.
- The term of the loan cannot exceed the life of the asset being financed.
- The benefits of the improvement must outweigh its costs, including the cost of financing.

Currently, the City of Port Angeles debt issues cover the CSO project (mandated), the Landfill Bluff Stabilization (mandated), 8th Street rebuild, downtown sidewalk rebuild, the Gateway Transportation Center, expansion into the Western UGA, and utility improvements. This CFP is funded without the need for new debt.

## FUNDING SOURCES

In an attempt to stretch funding as far as possible, the CFP/TIP incorporates many different funding sources. These sources may include current revenues, reserves, bonds backed by taxes or utility revenues, state and federal grants, special assessments on benefiting properties, donations, and low interest state loans.

CURRENT REVENUES & RESERVES	
General Fund	Electric
Lodging Tax	Water
Street (motor vehicle fuel tax)	Wastewater
Economic Development	Solid Waste
Interest earnings	Stormwater
REET #1 & #2	Transportation Benefit District Tax
DEBT	
Public Works Trust Fund loan	Dept of Ecology SRF loans
Utility Revenue Bonds	Department of Ecology PWTF Loans
LTGO Bonds	
GRANTS	
State Transportation (TIB)	STP (State Transportation Project)
Federal Hwy Administration	Department of Commerce
Dept of Ecology	State Recreation & Conservation
OTHER	
Contributions/Donations	Insurance Proceeds



## CATEGORIZATION OF CFP/TIP ITEMS

Throughout this document, individual capital improvement projects are placed into one of the following categories:

1. **General Government** – this includes improvements and acquisitions related to public safety, City Facilities, Recreation, Parks, and all projects not specifically related to any of the following classifications.
2. **Electric** – this includes providing additional infrastructure, acquisition related to urban growth areas, and providing metering and other electrical services to customers.
3. **Water** – this includes providing improved water treatment facilities, distribution lines, metering and replacement of old lines.
4. **Wastewater** – this includes providing improved wastewater treatment facilities, distribution lines, metering and replacement of old lines. Reduction of sewage into marine and streams.
5. **CSO** – includes providing sewer separation for wastewater and drainage.
6. **Solid Waste** – this includes closure and post-closure of the Landfill, maintenance of the composting facility, and improvements to the Transfer Station.
7. **Stormwater** – this includes providing stormwater drainage, improvement in collection of stormwater to prevent drainage to streams and marine, and building of mandated stormwater collection and treatment points in the City.
8. **Equipment Services** – this includes acquisitions related to vehicle purchases, and attachments to those vehicles paid by each funds equipment operation charges with reserves held for each fund for replacements.
9. **Information Technology** – this includes acquisitions related to the City’s computer technology, including hardware and software, and improvements or upgrades to the computer or communication equipment purchased through interdepartment charges.
10. **Transportation** – this includes improvement to and construction of roadways, sidewalks, trails bridges and pedestrian byways.
11. **Closed Projects** – listing of recently closed projects.
12. **Comp Plan** – linking CFP to the Comprehensive Plan and Strategic Plan.



# FREQUENTLY ASKED QUESTIONS

## **What is a project?**

Capital is an installation, build, piece of equipment, or major asset, including land purchases, that has a useful life of more than one year and exceeds \$30,000 in cost. This includes streets, trails, bridges, buildings and infrastructure such as electrical, water and wastewater lines. Expenditures are capitalized at \$7,500 for City only spending and \$5,000 for grant spending.

## **There are many projects listed in the Capital Facilities Plan and Transportation Improvement Plan (CFP/TIP) how does the City determine the project priority?**

There are many factors that determine the priority of a project. Departments, Directors and the City Manager meet to discuss and prioritize. These are then presented to City Council, and the public, for their input. Some basic requirements of the project when prioritizing include:

- Maintenance or general repair of existing infrastructure.
- A legal or statutory requirement.
- Continuation of multi-year projects with contractual obligations.
- Implementation of Council goals and objectives.
- Ability to leverage outside sources for funding (grants, mitigation, impact fees, low interest loans, etc.).
- Ability to leverage two or more projects to complete at the same time (i.e. a water main replacement leverages the repaving of the street in the area).
- An acquisition or development of new facilities.
- Does the project meet Council goals in the Strategic Plan and Comprehensive Plan.

When considering which projects are funded in the CFP, adequate funding to construct and maintain projects is determined by two important questions:

1. What can we afford?
2. What factors are considered when two or more priorities conflict with each other?

As noted in the Long-Range Financial Plan (LRFP), leveraging outside revenue sources is critical. If grant funds are applied for and received, grant funded projects will likely become a priority. Grant funds awarded become new and additional revenue to the City, or one-time revenues, allowing the City to stretch its' governmental dollars. The City continually looks for ways to reduce the reliance on General Fund revenues for capital projects. The City also looks to develop partnerships to lower the cost for construction, or operations and maintenance.

## **Once a priority is assigned, are the highest priority items automatically provided funding in that same order?**

Typically, prioritized projects receive funding in order; however, in instances where other funding, such as grants or donations, become available project priorities can change.

## **Do state or federal grants require that the City complete projects out of our preferred order?**

Potentially, grant funding usually can have limitations on the timeline of completion that would require reprioritization of projects. However, grant funding should also be sought out for preferred, or high priority projects.



## **If it is likely the capital project will affect operating budgets, will this impact whether the project is approved and funded?**

Yes, it is important to note which projects carry additional operating costs in future years, or can reduce operating costs. Those impacts will be measured when the project is analyzed during the priority setting process with City management and Council to ensure projects are affordable to Port Angeles citizens by keeping utility rates as even as possible.

## **When funding projects where does the money come from?**

Governmental projects, including parks and facilities, can be funded through non-voted (Councilmanic) bonds, grants, cost sharing, local improvement districts (LIDs), developer contributions, impact fees, real estate excise taxes (REET), lodging taxes and General Fund contributions. Transportation projects can be funded by all sources mentioned for Governmental projects and additionally by the 0.02% voter approved sales tax for the Transportation Benefit District.

Utilities, including Electric, Water, Wastewater, CSO, Solid Waste, Stormwater and Medic 1 are operated like businesses and must be self-supporting. Utility capital projects are funded through a combination of grants, loans, facility charges, rates, developer fees, and revenue bonds. When these revenue sources cannot fund all projects the appropriate utility transfers funding to the capital account. This transfer is built into the cost of service analysis (COSA) used to set rates.

## **What can be included in the Capital Facilities Plan?**

The Growth Management Act governs what we can include in the plan. We cannot show projects in the Capital Facilities Plan unless we reasonably expect to generate the revenue to complete the projects.

## **Where does funding come from?**

Depending on the project type the funding can come from a number of sources, including governmental (tax based) reserves, utility reserves (fee or rate based), grants, limited liability districts, contributions, donations, loans, and bonds. Each project will define the funding specific for that project. In many instances use of funding is very specific and can only be used for certain types of projects.

## **Once a project is funded and approved, can any part of the money be used for another project?**

Yes, the City Council can by simple majority vote appropriate funds to another project, but cannot move funding from a utility to a governmental project, or between the utilities. The funding source is approved for specific types of projects, i.e.: electric funding can only be used for electric projects, street funding can only be used for streets, etc. When funding is deemed excess and the funding is governmental in nature, that amount can be moved to any project, as long as restrictions do not prohibit the use of the funding. Grant funding can only be used for the specified purpose and is restricted in nature.



**If a project was initially funded through the CFP process, yet is not complete, will it continue to be listed in the CFP document?**

Yes, as long as the project is not closed and completed it will continue to be included in the CFP until funding can be identified for project completion.

**Individual projects seem to indicate that a specific dollar amount can be expected to be spent over the next six years. Is this a correct assumption?**

No, the planning period is for each year and continued for the next six years. Only the revenues and expenditures in the first year of the program are incorporated into the Annual Operating Budget (adopted in December of each year). It is important to note the CFP is a planning document that includes timeline and cost estimates. These timelines and costs are subject to changing dynamics, such as growth, project schedules, new information, evolving priorities, and other assumptions. Therefore, the CFP is annually reviewed and updated to verify that fiscal and time resources are available.

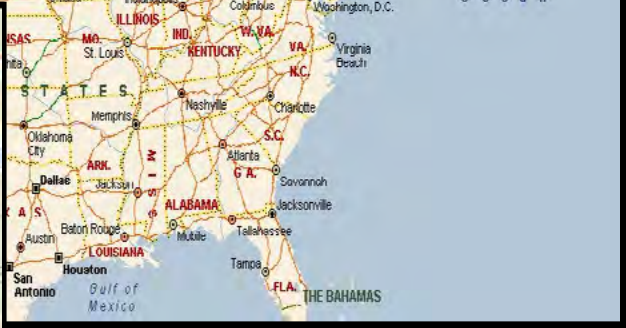
**What happens if revenues fall below projections over the next six years?**

If revenues do not meet the original requirements for funding capital projects, the CFP will be reviewed and new priorities set so the City is not overspending or over-delivering a facility that cannot be supported in coming years.

**How do I become more involved in the CFP process?**

Citizens, community groups, businesses, and other stakeholders can maximize the attention and consideration paid to their suggestions by working with the City staff, the Planning Commission, and attending City Council and Utility Advisory Committee (UAC) meetings. Projects and policies are continually monitored and updated with a thorough public process associated with City boards and commissions. Additionally, there are several worksessions and public hearings regarding the CFP/TIP. To learn more about these opportunities please visit the City's website at [www.cityofpa.us](http://www.cityofpa.us).





# City of Port Angeles Governmental Projects

2020

## CITYWIDE PROJECTS:

- NICE Program
- Alley/Street Paving
- Vehicles replaced
- Restroom replacements
- Emergency Mgmt Pods
- New EOC Plan

- a) City Pier Railing Replacement
- b) Civic Field Upgrades
- c) Lincoln Street Safety
- d) Facility Improvements
- e) Peabody & Park Ave Chip Seal
- f) Dream II Playground
- g) Police
  - Pencom
  - Computer Aided Dispatch/MDT
  - Gun Range/Training Facility Improv

## City Hall Projects

- ❖ Data Backup systems replacement
  - ❖ Internal Network Segmentation
  - ❖ Facility Security Projects
  - ❖ City Hall Parking Lot
  - ❖ City Hall Fire Detection
  - ❖ Senior Center Fire Detection
- h) Fire Hall
- Medic 1 Equip Replacements
  - Fire Station Garage door
  - Defibrillators/Fire Hoses



**City of Port Angeles  
Utilities  
Projects 2020**

- a) Wastewater Pump Station #3
- b) Light Ops Building
- c) Ranney Well Roof
- d) Switchgear Replacements
- e) Ground Water Resiliency & Water SCADA Upgrade
- f) Decant Facility & Landfill Software & Landfill Pump
- g) WWTP Cleaning, HVAC Replacement

**CITYWIDE:**  
 Electric Underground  
 Electric Overhead  
 Neighborhood Sewers  
 Outfall Repairs & Improvements



CITY OF PORT ANGELES



2021 - 2026  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN



# GOVERNMENT PROJECTS



# GENERAL GOVERNMENT PROJECTS

CFP YEAR: 2021 - 2026  
 MANAGER: NATHAN WEST  
 CONTACT: NWEST@CITYOFPA.US  
 PHONE: 360-417-4500

## GENERAL FUND GOALS AND OBJECTIVES:

The goal of general governmental projects is to replace, maintain and improve facilities and shared properties with Economic Development possibilities. Improve public safety facilities and equipment and keep all governmental property in good working condition.

FUNDING SOURCES	PRIOR YEARS	Budget 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Utility Reserves	\$ 962,200	\$ 375,200	\$ 292,100	\$ 128,100	\$ 135,000	\$ 110,000	\$ 112,000	\$ 112,000
Grants	105,900	57,000	8,000	8,000	8,000	8,000	8,000	8,000
Use of Capital Reserves	-	-	-	-	-	-	-	-
General Fund Reserves	458,100	729,300	1,055,500	692,500	250,500	212,500	234,500	193,200
Donations/Insurance	256,500	210,000	880,000	-	700,000	-	-	-
Other Funds (REET/Lodging tax)	701,200	778,200	216,300	216,300	216,300	216,300	216,300	141,300
<b>TOTAL</b>	<b>\$ 2,483,900</b>	<b>\$ 2,149,700</b>	<b>\$ 2,451,900</b>	<b>\$ 1,044,900</b>	<b>\$ 1,309,800</b>	<b>\$ 546,800</b>	<b>\$ 570,800</b>	<b>\$ 454,500</b>

EXPENDITURES	Prior	2020	2021	2022	2023	2024	2025	2026
Design	-	68,000	90,000	-	-	-	-	-
Construction	1,037,400	2,446,300	2,299,000	1,045,800	1,218,000	455,000	517,000	884,200
<b>TOTAL</b>	<b>\$ 1,037,400</b>	<b>\$ 2,514,300</b>	<b>\$ 2,389,000</b>	<b>\$ 1,045,800</b>	<b>\$ 1,218,000</b>	<b>\$ 455,000</b>	<b>\$ 517,000</b>	<b>\$ 884,200</b>

OTHER OPERATING COSTS	Prior	2020	2021	2022	2023	2024	2025	2026
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	1,000	1,000	1,000	1,000	1,000	1,000
Communications	-	-	-	-	-	-	-	-
Depreciation	-	29,108	162,452	259,786	318,801	359,280	375,426	399,572
Other - explained on individual sheets	-	7,300	7,300	7,300	7,300	7,300	7,300	7,300
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 36,408</b>	<b>\$ 170,752</b>	<b>\$ 268,086</b>	<b>\$ 327,101</b>	<b>\$ 367,580</b>	<b>\$ 383,726</b>	<b>\$ 407,872</b>

PROJECTS COMPLETED IN 2019		ACTUAL	BUDGET
CAPGF	Finger Printing Machine	9,620	9,300
CAPPC	Pencom Equipment	53,698	118,000
CAPLE	Blighted Properties	12,000	18,000
FD0615	Fire Hoses	7,398	10,000
PD0116	Mobile Data Terminal replacements	26,959	28,800
FD0118	Defibrillator replacement	34,139	38,200
<b>TOTAL COMPLETED PROJECTS</b>		<b>109,676</b>	<b>222,300</b>

Budget reflects all council approved spending. CFP costs reflect contractual spending and does not include internal labor which is budgeted under fund level salaries.



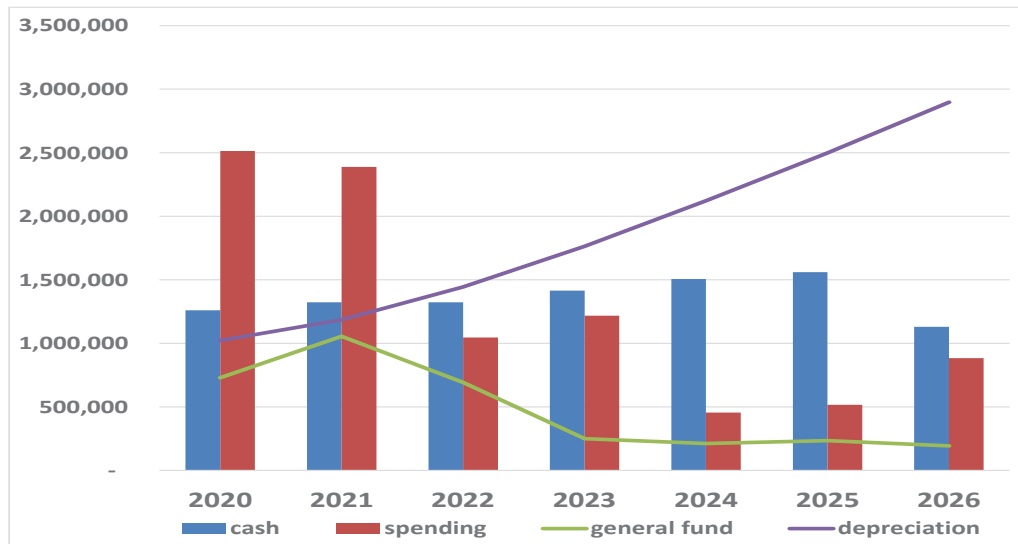
# GENERAL GOVERNMENT PROJECT LIST & CASH FLOW

GENERAL GOVERNMENT CAPITAL PROJECTS						CAPITAL FACILITIES PLAN					
Number	Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2020	2021	2022	2023	2024	2025	2026
<b>GENERAL GOVERNMENT/FACILITIES</b>											
GG0303	NICE Program	R	837,100	262,100	125,000	75,000	75,000	75,000	75,000	75,000	75,000
GG1113	Facility Security Projects	A	256,000	18,300	91,000	75,000	71,700	-	-	-	-
GG0416	City Hall Fire Detection System	3	75,000	-	75,000	-	-	-	-	-	-
GG0516	Senior Center Fire Detection System	4	50,000	-	50,000	-	-	-	-	-	-
GG0916	Valley Creek Restoration Phase III	UF	2,110,900	-	-	-	-	-	-	-	-
GG0119	Ennis Creek Fish Barrier Removal	UF	950,000	-	-	-	-	-	-	-	-
GG0418	City Entrance Monuments	UF	125,000	-	-	-	-	-	-	-	-
GG0319	Peabody Creek Daylight	UF	-	-	-	-	-	-	-	-	-
<b>PUBLIC SAFETY</b>											
CAPPC	Pencom Capital	R	660,400	251,500	108,900	50,000	50,000	50,000	50,000	50,000	50,000
CAPM1	Medic 1 Revolving	R	366,400	-	183,200	-	-	-	-	-	183,200
FD0415	Fire Department Turn-Out Gear	R	160,300	160,300	-	-	-	-	-	-	-
FD0615	Fire Hoses	R	42,400	7,400	5,000	5,000	5,000	5,000	5,000	5,000	5,000
FD0118	Defibrillator Revolving Account	R	256,000	68,000	35,000	36,000	37,000	-	-	40,000	40,000
FD0218	Self Contained Breathing Apparatus	R	250,000	-	-	-	-	-	-	-	250,000
PD0307	Police Regional Training & Gun Range Facility	R	200,000	-	40,000	32,000	32,000	32,000	32,000	32,000	-
PD0116	Mobile Data Terminal Replacements	A	214,400	93,400	25,000	16,000	16,000	16,000	16,000	16,000	16,000
PD0120	Police Taser Replacements	A	120,000	-	12,000	25,000	12,000	25,000	12,000	34,000	-
PD0119	Computer Aided Dispatch/Law Enforcement Records Management System	A	300,000	-	160,000	140,000	-	-	-	-	-
FD0315	Fire Station Garage Door Replacement	1	50,000	-	50,000	-	-	-	-	-	-
FD0318	Emergency Management Pods	2	150,000	-	50,000	50,000	-	50,000	-	-	-
FD0219	EOC/911/Westside Fire Station	6	4,750,000	-	48,000	-	-	-	-	-	-
FD0120	Fire Station Front Driveway Repair	UF	30,000	-	-	-	-	-	-	-	-
GG0616	Fire Hall HVAC	UF	45,000	-	-	-	-	-	-	-	-
FD0216	Fire Training Facility	UF	80,000	-	-	-	-	-	-	-	-
FD0316	Senior Center EOC Generator (Secondary City EOC)	UF	150,000	-	-	-	-	-	-	-	-
FD0416	Radio Transmitter Generator (I & 10th Streets)	UF	15,000	-	-	-	-	-	-	-	-
<b>PARKS AND RECREATION</b>											
PK0216	Facility Improvement Revolving Fund	R	105,000	-	15,000	15,000	15,000	15,000	15,000	15,000	15,000
PK0205	Restroom Replacement Program	R	1,200,000	-	300,000	150,000	150,000	150,000	150,000	150,000	150,000
PK0418	Civic Field Upgrades	R	110,000	-	110,000	-	-	-	-	-	-
PK0318	Waterfront Trail Rip-Rap Repair	R	683,000	-	83,000	100,000	100,000	100,000	100,000	100,000	100,000
PK0819	City Pier Railing Replacement	A	565,000	2,000	163,000	200,000	200,000	-	-	-	-
PK0120	24 Hour Restroom Pilot Project	A	200,000	-	200,000	-	-	-	-	-	-
PK0220	Field Turf at Volunteer Field	A	1,200,000	-	-	500,000	-	700,000	-	-	-
PK0219	Generation II Dream Playground	A	475,000	-	475,000	-	-	-	-	-	-
PK0719	Parks Maintenance Building	A	756,500	174,400	50,000	250,000	282,100	-	-	-	-
PK0919	Fine Arts Center Capital Improvements	A	40,200	-	40,200	-	-	-	-	-	-
PK0119	Erickson Playfield Pump Track	A	400,000	-	10,000	390,000	-	-	-	-	-
PK0519	City Pier Erosion Stabilization & Sidewalk Repair (Peabody Creek)	5	290,000	-	10,000	280,000	-	-	-	-	-
PK0316	Locomotive #4 Refurbishment	UF	250,000	-	-	-	-	-	-	-	-
PK0319	City Pier Inspection Repairs	UF	835,000	-	-	-	-	-	-	-	-
PK0320	HVAC Upgrades at City Hall & Sr Center	UF	1,000,000	-	-	-	-	-	-	-	-
PK0406	Shane & Elks Field Lighting	UF	1,000,000	-	-	-	-	-	-	-	-
PK0420	Ediz Hook Boat Launch Repairs	UF	250,000	-	-	-	-	-	-	-	-
PK0802	Neighborhood Park Development	UF	250,000	-	-	-	-	-	-	-	-
<b>Total</b>			<b>21,853,600</b>	<b>1,037,400</b>	<b>2,514,300</b>	<b>2,389,000</b>	<b>1,045,800</b>	<b>1,218,000</b>	<b>455,000</b>	<b>517,000</b>	<b>884,200</b>

KEY	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded



# GENERAL GOVERNMENT CASH FLOW



CASH FLOW ANALYSIS	2020	2021	2022	2023	2024	2025	2026
Beginning balance	1,625,233	1,260,633	1,323,533	1,322,633	1,414,433	1,506,233	1,560,033
<b>Funding sources:</b>							
Utilities	375,200	292,100	128,100	135,000	110,000	112,000	112,000
Grants	57,000	8,000	8,000	8,000	8,000	8,000	8,000
AR less AP (for cash flow)							
General Fund Funding	729,300	1,055,500	692,500	250,500	212,500	234,500	193,200
Donations	210,000	880,000	-	700,000	-	-	-
Other Funds	778,200	216,300	216,300	216,300	216,300	216,300	141,300
<b>Spending:</b>							
Capital Investment	(2,514,300)	(2,389,000)	(1,045,800)	(1,218,000)	(455,000)	(517,000)	(884,200)
<b>Ending Cash Balance</b>	<b>1,260,633</b>	<b>1,323,533</b>	<b>1,322,633</b>	<b>1,414,433</b>	<b>1,506,233</b>	<b>1,560,033</b>	<b>1,130,333</b>

Reserved for:	2020	2021	2022	2023	2024	2025	2026
NICE program	701,684	701,684	701,684	701,684	701,684	701,684	701,684
PRD	-	-	-	-	-	-	-
Fire Safety items	107,763	188,063	268,363	367,563	466,763	527,963	155,963
Facility Replacement	58,000	58,000	58,000	58,000	58,000	58,000	58,000
Restroom Replacement	90,000	90,000	90,000	90,000	90,000	90,000	15,000
Total Management reserves	957,447	1,037,747	1,118,047	1,217,247	1,316,447	1,377,647	930,647
<b>NET Available Cash balance</b>	<b>303,187</b>	<b>366,087</b>	<b>284,887</b>	<b>296,387</b>	<b>288,987</b>	<b>243,587</b>	<b>(247,313)</b>

Projected Depreciation	1,022,180	1,184,632	1,444,418	1,763,219	2,122,500	2,497,926	2,897,498
Cash to depreciation ratio	1.23	1.12	0.92	0.80	0.71	0.62	0.39

Cash to Depreciation ratio is not as robust as other funds, but policy allows for the use of excess cash held in governmental accounts to be used for capital improvements. The funds shown here are those which have been moved and are intended for specific projects or activities. The City Council can set aside additional funds to maintain a balance in the capital improvement fund.



# NEW IMPROVEMENTS FOR COMMUNITY ENHANCEMENT (NICE) FUNDS

GG0303

**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** EXCELLENT  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** ALLYSON BREKKE  
**ESTIMATED LIFE:** 30 YEARS

**ABOUT THE PROJECT:**

New Improvements for Community Enhancement of Neighborhoods (NICE) is a tool enabled by City Council Resolution No 5-04 to fund public infrastructure improvements to electric, water, wastewater, stormwater, and streets to stimulate economic development and community reinvestment. This is a revolving program, if a specific economic development need is not addressed each year the fund will accumulate for future projects. These funds are transferred to other funds/ divisions for viable projects which enhance economic development and community reinvestment within the City. As part of Strategic Plan Quality of Life action A4, properties will be identified this year for future investment.

**JUSTIFICATION:**

The city can stimulate economic development and increase the tax base through strategic public capital investment in areas with high development potential. These capital improvements add value to adjacent property and stimulate private sector investment and redevelopment in order to upgrade the neighborhood and increase the tax base for overall revenue generation in the community.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund	\$ 857,800	\$ 100,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000
Grants								
Bonds								
General Fund	160,000	25,000	15,000	15,000	15,000	15,000	15,000	15,000
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 1,017,800</b>	<b>\$ 125,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction	262,100	125,000	75,000	75,000	75,000	75,000	75,000	75,000
<b>TOTAL</b>	<b>\$ 262,100</b>	<b>\$ 125,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$75,000/YR**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 30 YEARS

**ABOUT THE PROJECT:**

In 2016, the City created a Security Sub-Committee to look at improving the security of City owned facilities. Many improvements have been made but additional projects need to be completed. Funding of this CFP project will allow the City to make improvements to the front counter of City Hall, install a proximity card key less entry system, facility gate improvements, as well as replacing/adding cameras to our facilities.

**JUSTIFICATION:**

Security of our City owned facilities is a priority of the Leadership Team to ensure the safety of our employees and the public who utilize our buildings. Not funding this project will limit our ability to continue to improve on the safety elements needed at our facilities.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund	\$ 104,400	\$ 27,000						
Grants								
Bonds								
General Fund	15,600	4,000	75,000	75,000				
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 120,000</b>	<b>\$ 31,000</b>	<b>\$ 75,000</b>	<b>\$ 75,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction	18,300	91,000	75,000	71,700				
<b>TOTAL</b>	<b>\$ 18,300</b>	<b>\$ 91,000</b>	<b>\$ 75,000</b>	<b>\$ 71,700</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$256,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** KEN DUBUC  
**ESTIMATED LIFE:** 30 YEARS

**ABOUT THE PROJECT:**

Replacement of the City Hall fire alarm system panel and all associated initiating and notification devices.

**JUSTIFICATION:**

The current system is outdated, it is not addressable and it is no longer supported by the manufacturer.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
REET	75,000							
<b>TOTAL</b>	<b>\$ 75,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		75,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 75,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$75,000**



**PROJECT STATUS:** DESIGN  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.11142, -123.433369  
**PROJECT MANAGER:** KEN DUBUC  
**ESTIMATED LIFE:** 30 YEARS

**ABOUT THE PROJECT:**

Replacement of the Senior Center fire alarm system panel and all associated initiating and notification devices.

**JUSTIFICATION:**

The current system is outdated, it is not addressable and it is no longer supported by the manufacturer.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	25,000	25,000						
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		50,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$50,000**



# GENERAL GOVERNMENT/FACILITIES UNFUNDED CAPITAL PROJECTS

Projects identified as necessary, but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding, allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

## VALLEY CREEK RESTORATION PHASE III

GG0916

**PROJECT STATUS:** UNFUNDED

**PRESENT CONDITION:** POOR

**LATITUDE / LONGITUDE:** 48.117574, -123.442326

**PROJECT MANAGERS:** ALLYSON BREKKE/JONATHON BOEHME

**ESTIMATED LIFE:** 50 YEARS

**ESTIMATED TOTAL PROJECT COST:** \$ 2,110,900

### **ABOUT THE PROJECT:**

In 2010, the City of Port Angeles, with Salmon Recovery Funding Board (SRFB) funding, hired Waterfall Engineering to develop a design for Phase III of the Valley Creek restoration. The restoration design improves a channelized and culverted portion of Valley Creek, located adjacent to and under Valley Street between 2nd St. and 9th St. The improvements include 1,500 feet of remeandered channel at the southern end of the project stream reach, removal of the steepest section of culvert between 5th St. and 6th St and replacing it with 400 feet of meandering stream, installation of a new 135 foot long arch culvert segment to improve passage conditions at the culvert inlet, and installation of baffles to improve fishway passage in the remaining 1,750 foot long culvert. The design was completed in 2011 and includes detailed drawings, a project manual with specifications, cost estimates, and complete local and state permit application forms. The project is now construction ready.

The project includes fish passage improvements in the culvert and at the culvert inlet, connection with a constructed wetland (built in conjunction with the 8th Street bridge replacement project), a wider riparian zone with new vegetation, increased stream length due to the new meander, and improved geomorphology due to installation of large woody debris and rock. These changes will also result in reduced maintenance costs associated with flooding, erosion and debris removal from the culvert trash rack. In 2016, Fish Passage Barrier Removal Board staff vetted the design and confirmed that there are no total fish passage barriers downstream; specifically, an irregular section of the long culvert under Marine Drive is back watered at high tide.

Completion of this project segment will result in a fish passable stream from the Valley Creek estuary south to the Highway 101 culvert (Valley Creek Restoration Phase I) and beyond. Valley Creek Restoration Phase II improved instream and riparian habitat between the Highway 101 culvert and the Valley Creek Restoration Phase III reach. The Valley Creek watershed was ranked as the 14th priority watershed and the system priority is listed as Medium. Valley Creek is located in Water Resource Inventory Area (WRIA) 18. This includes design and permitting updates, construction, construction management, and riparian plantings.

### **JUSTIFICATION:**

The project as designed will improve fish habitat and passage, biological processes, riparian restoration, wetland and floodplain enhancement, channel conditions including erosion of an adjacent road prism into the creek.



2021 - 2026

CITY OF PORT ANGELES

CAPITAL FACILITIES PLAN & TRANSPORTATION IMPROVEMENT PLAN

PAGE 41

**PROJECT STATUS:** UNFUNDED

**PRESENT CONDITION:** POOR

**LATITUDE / LONGITUDE:** 48.107893, -123.399054

**PROJECT MANAGERS:** ALLYSON BREKKE/JONATHAN BOEHME

**ESTIMATED LIFE:** 50 YEARS

**ESTIMATED TOTAL PROJECT COST:** \$950,000

### **ABOUT THE PROJECT:**

This project will remove the two downstream-most fish passage barriers on Ennis Creek. Worksite 1 is a culvert at River Mile 0.5, where Ennis Creek crosses Ennis Creek Road. The existing double concrete culverts under Ennis Creek Road will be replaced with either a bridge, wide concrete box or arch culvert. Preliminary design work has been completed and the City of Port Angeles is the underlying landowner. Work site 2 is a surface water drop created by the City of Port Angeles sewer force main (installed in 1969) that was encased in concrete that is now exposed across the entire width of Ennis Creek. The main was taken out of service in September 2016 when the City's Combined Sewer Overflow (CSO) Reduction project was placed in service. It is located immediately downstream of the concrete Olympic Discovery Trail bridge, constructed for the CSO Project, that conveys the new sewer force mains across Ennis Creek. The additional cost for the construction of this bridge has been acknowledged by the State of Washington as matching funds.

### **JUSTIFICATION:**

The Ennis Creek Fish Barrier Removal Project will remove the first and second barriers to 7.7 square miles of drainage area and 5.4 miles of Ennis Creek. One upstream barrier remains, at the stream crossing at Highway 101. The Ennis Creek watershed was ranked as the 14th priority watershed and the system priority is listed as Medium. Ennis Creek is located in Watershed Resource Inventory Area (WRIA) 18. Ennis Creek is the one of the least disturbed of the 5 independent urban drainages. It has the largest undisturbed upper watershed with snow-fed headwaters in the Olympic National Park, the least development, a wide diversity of existing native fish stocks and a high potential for restoration.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.107713, -123.402714  
**PROJECT MANAGER:** ALLYSON BREKKE  
**ESTIMATED LIFE:** 30 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$125,000

**ABOUT THE PROJECT:**

Install gateway/entrance monuments at the eastern and western HWY 101 entrances into the City of Port Angeles, as a part of the greater Wayfinding Program Update. Estimated project cost \$125,000.

**JUSTIFICATION:**

To support streetscape improvements along the City's primary commercial arterial.

## PEABODY CREEK DAYLIGHT

GG0319

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.119018, -123.430885  
**PROJECT MANAGERS:** ALLYSON BREKKE/JONATHON BOEHME  
**ESTIMATED LIFE:** 30 YEARS  
**ESTIMATED TOTAL PROJECT COST:** UNKNOWN

**ABOUT THE PROJECT:**

Explore opportunities in daylighting Peabody Creek corridor along Lincoln Street and incorporate into the urban streetscape. The project seeks to capture opportunities that may emerge as the city explores feasibility to improve fish passage in the corridor through the TR0414 Peabody Creek/Lincoln Creek Culvert Repair project.

**JUSTIFICATION:**

To stimulate economic development and walkability as well as improve fish passage in the urban corridor.



**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** BRIAN SMITH  
**ESTIMATED LIFE:** 25 YEARS

**ABOUT THE PROJECT:**

This project is for the purchase of various equipment items that have a value exceeding \$7,500, and will therefore be capitalized. The purchases are reimbursed through the 1/10 of 1.0% the emergency 911 tax held at the County for PenCom capital projects.

**JUSTIFICATION:**

Upgrading the PenCom equipment allows for operating efficiency.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
PenCom	251,500	108,900	50,000	50,000	50,000	50,000	50,000	50,000
<b>TOTAL</b>	<b>\$ 251,500</b>	<b>\$ 108,900</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction	251,500	108,900	50,000	50,000	50,000	50,000	50,000	50,000
<b>TOTAL</b>	<b>\$ 251,500</b>	<b>\$ 108,900</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
PenCom								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$660,400**



**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** EXCELLENT  
**LATITUDE / LONGITUDE:** 48.115099, -123.436434  
**PROJECT MANAGER:** KEN DUBUC  
**ESTIMATED LIFE:** 6 YEARS

**ABOUT THE PROJECT:**

In 2020, the Fire Department purchased three (3) Lucas battery operated CPR devices. These are highly technical devices that, when used, are used under very demanding circumstances. In addition, in 2020 the Department purchased a Stryker PowerLoad gurney lifting system for each of the three medic units. The PowerLoad devices are systems that hydraulically lift gurneys, significantly reducing the strain on medic personnel who are transferring patients into and out of the medic units. These devices have been proven to reduce the occurrence of debilitating back injuries. All of this equipment is subject to constant use under demanding conditions. Replacement of this equipment on a regular 6 year schedule is advised. Reserves will be held in the Capital Fund.

**JUSTIFICATION:**

Medic 1 equipment is extremely expensive technology that must perform safely and reliably for many years. This equipment requires ongoing maintenance and has a useful life of approximately 6 years. This replacement plan allows for periodic replacement of equipment with extended warranties and repair contracts. The current replacement cost every 6 years is approximately \$183,200.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Medic 1		183,200	30,600	30,600	30,500	30,500	30,500	30,500
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 183,200</b>	<b>\$ 30,600</b>	<b>\$ 30,600</b>	<b>\$ 30,500</b>	<b>\$ 30,500</b>	<b>\$ 30,500</b>	<b>\$ 30,500</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		183,200						183,200
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 183,200</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 183,200</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$30,533/YR**



**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.115099, -123.436434  
**PROJECT MANAGER:** KEN DUBUC  
**ESTIMATED LIFE:** 8 YEARS

**ABOUT THE PROJECT:**

Current turn-out gear was obtained through grant funding, costing well over \$100,000. The Fire Department will continue to pursue grant funding for replacement, however it is prudent to have a fund that allows for the replacement of several sets of gear on an ongoing basis. Equipment is targeted to be replaced every 10 years. The next purchase is scheduled for 2028.

**JUSTIFICATION:**

Turn-out gear is essential safety equipment that is closely regulated by national standards. These critical protective gear items are a requirement for fire fighting. Per national standards, turnout gear has a finite life, regardless of wear.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants	25,000							
Bonds								
General Fund	70,000	17,500	17,500	17,500	17,500	17,500	17,500	17,500
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 95,000</b>	<b>\$ 17,500</b>	<b>\$ 17,500</b>	<b>\$ 17,500</b>	<b>\$ 17,500</b>	<b>\$ 17,500</b>	<b>\$ 17,500</b>	<b>\$ 17,500</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction	160,300							
<b>TOTAL</b>	<b>\$ 160,300</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$300,000**



**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.115099, -123.436434  
**PROJECT MANAGER:** KEN DUBUC  
**ESTIMATED LIFE:** 5 YEARS

**ABOUT THE PROJECT:**

Replace fire hoses of various sizes and shapes, and set up a replacement fund for future needs.

**JUSTIFICATION:**

The hoses in use were last replaced in 2004, and have been subject to extreme wear and tear. These need to be replaced to maintain optimum condition and reliability. Fire hose failures can result in injuries and property loss.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	15,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 15,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction	7,400	5,000	5,000	5,000	5,000	5,000	5,000	5,000
<b>TOTAL</b>	<b>\$ 7,400</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$5,000/YR**



**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.115099, -123.436434  
**PROJECT MANAGER:** KEN DUBUC  
**ESTIMATED LIFE:** 5 YEARS

**ABOUT THE PROJECT:**

Replacement of cardiac monitor/defibrillators on a regular 5 year schedule. Reserves will be held in the Capital Fund.

**JUSTIFICATION:**

Cardiac monitor/defibrillators are extremely expensive pieces of equipment that must meet technological standards. They require ongoing calibration and maintenance with a useful life of 5 to 6 years. This replacement plan allows for periodic replacement of equipment with extended warranties and repair contracts. The current cost of one defibrillator is approximately \$38,000.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Medic 1	68,000	35,000	36,000	37,000	19,000	19,000	21,000	21,000
<b>TOTAL</b>	<b>\$ 68,000</b>	<b>\$ 35,000</b>	<b>\$ 36,000</b>	<b>\$ 37,000</b>	<b>\$ 19,000</b>	<b>\$ 19,000</b>	<b>\$ 21,000</b>	<b>\$ 21,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction	68,000	35,000	36,000	37,000			40,000	40,000
<b>TOTAL</b>	<b>\$ 68,000</b>	<b>\$ 35,000</b>	<b>\$ 36,000</b>	<b>\$ 37,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 40,000</b>	<b>\$ 40,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$38,000/YR**



**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.115276, -123.436341  
**PROJECT MANAGER:** KEN DUBUC  
**ESTIMATED LIFE:** 10 YEARS

**ABOUT THE PROJECT:**

Self-contained breathing apparatus (SCBA) is equipment that firefighters use in order to operate in atmospheres that can be immediately dangerous to life or health. The technology for this equipment is constantly being upgraded and improved. National standards require that fire departments utilize SCBA that is compatible with updated safety standards, which drives the need to replace this on a fairly regular basis. When SCBA equipment is replaced, it must all be replaced at the same time so that compatibility is maintained. It is expected that they will need to be replaced by 2026.

**JUSTIFICATION:**

SCBA is expensive equipment. When it is replaced, all of the units must be replaced at the same time. The fire department has been lucky enough to do this in the past through federal grant funding. Since grant funding is never guaranteed, the department needs to establish a revolving savings fund in order to ensure that enough money will be available for the next replacement.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	25,000	31,800	32,200	32,200	32,200	32,200	32,200	32,200
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 25,000</b>	<b>\$ 31,800</b>	<b>\$ 32,200</b>	<b>\$ 32,200</b>	<b>\$ 32,200</b>	<b>\$ 32,200</b>	<b>\$ 32,200</b>	<b>\$ 32,200</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction								250,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 250,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$250,000**



**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.131227, -123.515976  
**PROJECT MANAGERS:** BRIAN SMITH/COREY DELIKAT  
**ESTIMATED LIFE:** 25 YEARS

**ABOUT THE PROJECT:**

The Gun Range at the Regional Transfer Station was built in the early 1990's. Since construction, very little upgrades have been done to protect this City asset. During a recent walk through, it was identified that heating upgrades, mold removal, plumbing repairs, and other maintenance items needed to be completed. Additionally, the existing training building is approximately 28 years old and will need a new roof and interior repairs to include upgrades to HVAC and restroom facilities within the next 2 years as well as upgrades of some exterior training elements. Funding will primarily come from user fees collected from entities using this facility. The remaining amount will be funded from the General Fund.

**JUSTIFICATION:**

The current firearms training facility requires maintenance and lifecycle replacements. This project will lower maintenance and provide a safe training environment. To preserve this regional asset, funding to this facility is necessary for upgrades. This facility is used not only by the City but also the County, Coast Guard, Tribe, and Border Patrol.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund			7,300	7,300	7,300	7,300	7,300	
Donations/Insurance Reim.								
Other	109,500	16,300	16,300	16,300	16,300	16,300	16,300	16,300
<b>TOTAL</b>	<b>\$ 109,500</b>	<b>\$ 16,300</b>	<b>\$ 23,600</b>	<b>\$ 23,600</b>	<b>\$ 23,600</b>	<b>\$ 23,600</b>	<b>\$ 23,600</b>	<b>\$ 16,300</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		40,000	32,000	32,000	32,000	32,000	32,000	
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 40,000</b>	<b>\$ 32,000</b>	<b>\$ 32,000</b>	<b>\$ 32,000</b>	<b>\$ 32,000</b>	<b>\$ 32,000</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other		7,300	7,300	7,300	7,300	7,300	7,300	7,300
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 7,300</b>	<b>\$ 7,300</b>	<b>\$ 7,300</b>	<b>\$ 7,300</b>	<b>\$ 7,300</b>	<b>\$ 7,300</b>	<b>\$ 7,300</b>

**ESTIMATED TOTAL PROJECT COST: \$ 200,000**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** BRIAN SMITH  
**ESTIMATED LIFE:** 7 YEARS

**ABOUT THE PROJECT:**

Replacement of in car laptops. This project is grant funded with partial match through Stonegarden (FEMA). This program allows for approximately four replacements per year.

**JUSTIFICATION:**

Computer equipment upgrades need to be up-to-date.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Utilities Fund									
Grants	93,400	25,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000
Bonds									
General Fund			8,000	8,000	8,000	8,000	8,000	8,000	8,000
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 93,400</b>	<b>\$ 25,000</b>	<b>\$ 16,000</b>	<b>\$ 16,000</b>	<b>\$ 16,000</b>	<b>\$ 16,000</b>	<b>\$ 16,000</b>	<b>\$ 16,000</b>	<b>\$ 16,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction	93,400	25,000	16,000	16,000	16,000	16,000	16,000	16,000
<b>TOTAL</b>	<b>\$ 93,400</b>	<b>\$ 25,000</b>	<b>\$ 16,000</b>	<b>\$ 16,000</b>	<b>\$ 16,000</b>	<b>\$ 16,000</b>	<b>\$ 16,000</b>	<b>\$ 16,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$214,400**



**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** BRIAN SMITH  
**ESTIMATED LIFE:** 10 YEARS

**ABOUT THE PROJECT:**

The Police Department taser devices will become obsolete and reach end of their life (not supported by the manufacturer) by 2025. The Police Department will replace the taser devices with an upgraded platform over the next 4 years. Once the upgrade is complete this project will become revolving with funding transferred each year to support the replacement of tasers on a 10 year cycle.

**JUSTIFICATION:**

The Taser is a key part of the Police equipment and force options available to officers.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund		12,000	25,000	12,000	25,000	12,000	34,000	
Donations/Insurance Reim.								
PenCom								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 12,000</b>	<b>\$ 25,000</b>	<b>\$ 12,000</b>	<b>\$ 25,000</b>	<b>\$ 12,000</b>	<b>\$ 34,000</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		12,000	25,000	12,000	25,000	12,000	34,000	
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 12,000</b>	<b>\$ 25,000</b>	<b>\$ 12,000</b>	<b>\$ 25,000</b>	<b>\$ 12,000</b>	<b>\$ 34,000</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$120,000**



# COMPUTER AIDED DISPATCH/LAW ENFORCEMENT PD0119 RECORDS MANAGEMENT SYSTEM

**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** BRIAN SMITH  
**ESTIMATED LIFE:** 7 YEARS

**ABOUT THE PROJECT:**

Upgrade to Computer Aided Dispatch (CAD) platform, law enforcement records management system and Mobile Data Platform. Project management, server replacement, software replacement and upgrade, replacement of each dispatch console (5 stations).

**JUSTIFICATION:**

Upgrading the PenCom database will allow a data merge with Jefferson County 911.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
PenCom		160,000	140,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 160,000</b>	<b>\$ 140,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		160,000	140,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 160,000</b>	<b>\$ 140,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$300,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.115099, -123.436434  
**PROJECT MANAGER:** KEN DUBUC  
**ESTIMATED LIFE:** 30 YEARS

**ABOUT THE PROJECT:**

Replacement of garage doors at the Fire Station.

**JUSTIFICATION:**

The bay doors in the Fire Station are critical pieces of equipment. Fire and EMS equipment must be able to exit the Station without delay. Currently the bay doors are too heavy for the repeated use to which they are subjected. Settling of the building may have caused the issue. The doors are failing at increasing rates and require more attention than is prudent. Technicians have recommended that the doors be replaced with lighter doors and the hardware be replaced with industrial strength equipment.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund		50,000						
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		50,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$50,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.115099, -123.436434  
**PROJECT MANAGER:** KEN DUBUC  
**ESTIMATED LIFE:** 50 YEARS

**ABOUT THE PROJECT:**

In order for the City government to continue to operate following an emergency that compromises City facilities, emergency equipment and supplies need to be pre-staged in various locations. These supplies will be stored in secure, weatherproof caches (pods). Pods will be equipped with communications equipment, data storage, power generation capability, shelters, food, water and supplies. Each pod will cost approximately \$50,000. It is recommended that at least three pods be staged.

**JUSTIFICATION:**

The community has an expectation that the City government will continue to operate relatively soon after a disaster or if City facilities are compromised. In order to enable this continuation of operations, alternate City facilities need to be prepared and emergency equipment needs to be pre-staged.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund		\$ 25,000	\$ 25,500	\$ 500	\$ 25,500	\$ 500	\$ 500	\$ 500
Grants								
Bonds								
General Fund		25,000	25,500	500	25,500	500	500	500
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 51,000</b>	<b>\$ 1,000</b>	<b>\$ 51,000</b>	<b>\$ 1,000</b>	<b>\$ 1,000</b>	<b>\$ 1,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		50,000	50,000		50,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other			1,000	1,000	1,000	1,000	1,000	1,000
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 1,000</b>	<b>\$ 1,000</b>	<b>\$ 1,000</b>	<b>\$ 1,000</b>	<b>\$ 1,000</b>	<b>\$ 1,000</b>

**ESTIMATED TOTAL PROJECT COST: \$150,000**

Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** UNKNOWN  
**PROJECT MANAGER:** KEN DUBUC/BRIAN SMITH  
**ESTIMATED LIFE:** 50 YEARS

### **ABOUT THE PROJECT:**

The City and the County have identified a need to provide a joint Emergency Operations Center (EOC) and a modern 911 dispatch center. Both the Board of County Commissioners and the City Council have agreed that the EOC is a regional priority and have authorized staff to pursue options for either the retrofit of an existing building or the construction of a new building to house a joint EOC and 911 Center.

The City has identified a need for a west-side fire station. As the City expands, response time on the western edge of town suffers due to the layout and access points within the City. A fire station on the west side of town will improve response times to our citizens.

Combining the EOC, 911 dispatch center and a westside fire station will allow for economies of scale on shared resources, such as restrooms, showers and kitchen facilities.

The total cost of the project will depend upon the option chosen. This project will incorporate an IT component with purchase of, upgrading to and modifications of EOC and 911 Center Operational equipment in support of activities to include backup communications and secondary pathways. The total IT portion of this project is projected at \$240,000. The total project cost is estimated at 8 million to be shared by all parties. The westside fire station will be 1.5Million funded by the city and the EOC/PenCom (incl the IT portion) will be 6.5Million split between the parties. PenCom will be 3.25Million and the City share of the EOC will be 1.75Million. The PenCom capital fund will contribute 1.5Million, and the rest of the funding will come from State and/or Federal grants.

### **JUSTIFICATION:**

Emergency management and 911 dispatch during a disaster is a critical operation. Current EOC and 911 dispatch facilities are not suitable for sustained emergency operations. The current communication room is located at the fire department and has been expanded to all for EOC communication equipment, emergency phone system communications and data servers localized operation within the building. With the planned addition of significant hardware and software assets, controlled heating/cooling and fire suppression capabilities are required. Additional emergency power and battery backup capabilities will need to be provided. The current 911 operation is housed in the police department and is inadequately sized to meet future demands. The facility is also located in an area that is not expected to survive a significant earthquake. The addition of a westside fire station will improve response times.



FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund		40,000						
Donations/Insurance Reim.								
PenCom		8,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 48,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		48,000						
Construction								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 48,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$4,750,000**



# PUBLIC SAFETY UNFUNDED CAPITAL PROJECTS

Projects identified as necessary, but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding, allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

## FIRE STATION FRONT DRIVEWAY REPAIR

FD0120

**PROJECT STATUS:** UNFUNDED

**PRESENT CONDITION:** POOR

**LATITUDE / LONGITUDE:** 48.115099, -123.436434

**PROJECT MANAGER:** KEN DUBUC

**ESTIMATED LIFE:** 30 YEARS

**ESTIMATED TOTAL PROJECT COST:** \$30,000

### **ABOUT THE PROJECT:**

The front concrete driveway of the fire station is cracking and subsiding. The drainage channel is also cracking and the portion between the sidewalk and the street is also cracking. The entire driveway, drainage system and sidewalk will need to be replaced, and the slope of the driveway will need to be adjusted to accommodate the heavy use by emergency vehicles.

In addition, portions of the rear entrance pavement are subsiding and depressions are beginning to form.

### **JUSTIFICATION:**

The fire station is an essential facility and it must be maintained so that emergency vehicles have the ability to enter and exit without issue. Also, the cracking concrete is getting worse and presents a potential trip hazard.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.115099, -123.436434  
**PROJECT MANAGER:** KEN DUBUC  
**ESTIMATED LIFE:** 15 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$45,000

**ABOUT THE PROJECT:**  
Replacement of the rooftop HVAC for the fire station.

**JUSTIFICATION:**  
The current system is past its lifespan.

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.115099, -123.436434  
**PROJECT MANAGER:** KEN DUBUC  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$80,000

**ABOUT THE PROJECT:**  
Build a facility for fire training. Facility would be placed upon land already owned by the City.

**JUSTIFICATION:**  
Considered part of a larger plan to provide adequate and advanced training for fire fighting and evacuation of victims. Although considered a structure build this is also considered fire training equipment. A training facility would have a positive impact on the City's score towards a favorable fire insurance rating.



# SENIOR CENTER EOC GENERATOR (SECONDARY EOC)

FD0316

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.115099, -123.436434  
**PROJECT MANAGER:** KEN DUBUC  
**ESTIMATED LIFE:** 20 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$150,000

## **ABOUT THE PROJECT:**

Provide a new generator at the Senior Center to serve full requirements of the Emergency Operations Center backup for the City as designated under the Continuity of Operations Plan (COOP).

## **JUSTIFICATION:**

This backup EOC command center location cannot function without a generator..

# RADIO TRANSMITTER GENERATOR (I & 10TH ST.)

FD0416

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.12355, -123.47064  
**PROJECT MANAGER:** KEN DUBUC  
**ESTIMATED LIFE:** 25 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$15,000

## **ABOUT THE PROJECT:**

Add a multiple power source emergency generator to the transmitter tower.

## **JUSTIFICATION:**

For many years we were dependent upon the County Sheriff's radio system (OPSCAN) for our primary communications links. We had no control over OPSCAN costs and we received very little benefit, especially when it came to maintenance and repairs. We were one of a number of agencies that cut the OPSCAN cord last year. When we did that, we became much more dependent upon the transmitter at 11th and E. That transmitter has never had an emergency power backup. Unfortunately, it is not quite as simple as bringing a generator up there and plugging it in. We need an automatic power transfer that switches over to the generator and then isolates the system from the grid. Since the generator will likely sit unused for long periods of time, we need to power it with propane. Diesel and gas fuels will spoil if they sit too long. That means we need a propane generator and a propane tank. We will also need the automatic transfer switch. All of this needs to be permitted, mounted, installed and wired.



**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 30 YEARS

**ABOUT THE PROJECT:**

This maintenance account will create a funding source for aging City facilities by placing \$15,000 into a revolving account annually. This will allow some flexibility to complete infrastructure projects on facilities. Projects would consist of repairing/replacing items such as roofing, electrical, parking lots, carpeting, HVAC, etc. The goal is to have these funds available for planned projects and/or emergency repairs.

**JUSTIFICATION:**

If not funded, we will continue to struggle to repair our infrastructure without having to take funds for emergency repairs or replacement straight out of the general fund reserves.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	65,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 65,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		15,000	15,000	15,000	15,000	15,000	15,000	15,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$15,000/YR**



**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 30 YEARS

**ABOUT THE PROJECT:**

This project involves the replacement of the 50-60 year old concrete block public restrooms with prefabricated concrete restrooms that meet ADA requirements, are easy to maintain, and can withstand constant vandalism. These funds will allow the replacement the restrooms at Elks Playfield, Shane Park, Ediz Hook, Lincoln Park, City Pier and Downtown restrooms. Originally \$150,000 was set aside in the CFP every two years to replace one restroom. In 2019, the City Council continued to make restroom replacement a priority and funded an additional \$150,000 per year to fund a restroom replacement every year. Currently, there is \$300,000 in this account for two restroom replacements in 2020.

**JUSTIFICATION:**

The restroom facilities listed are between 50-60 years old and are no longer adequate for their intended use.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
REET	150,000	225,000	150,000	150,000	150,000	150,000	150,000	75,000
<b>TOTAL</b>	<b>\$ 150,000</b>	<b>\$ 225,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 75,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		300,000	150,000	150,000	150,000	150,000	150,000	75,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 75,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
REET								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$1,200,000**



**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 30 YEARS

**ABOUT THE PROJECT:**

Civic Field is a multi-purpose sports/event stadium that has served the Port Angeles residents since 1940. It was remodeled to its current state in 1978. The facility also hosts recreation based football, baseball, soccer and community events. In 2010, the City hired Bruce Dee's Associates to provide detailed analysis of the deficiencies and upgrades needed to keep the facility safe and functional. Any funding within this CFP project will reflect those projects identified within that 2010 report. The Lodging Tax Committee approved spending from the Lodging Tax fund for this project, which is the ADA walkway improvement.

**JUSTIFICATION:**

Improvements on the above mentioned items will ensure a safe and productive environment to showcase Port Angeles athletic competitions and community events.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Lodging Tax		110,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 110,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		110,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 110,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
REET								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$110,000**



**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.1117043, -123.4189687  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 30 YEARS

**ABOUT THE PROJECT:**

Winter storms continue to deplete the shoring armor and create undermining within the Waterfront Trail from the City Pier to Morse Creek. This project is to secure funding on an annual bases so that the City can contract maintenance from year to year as needed.

**JUSTIFICATION:**

As we experienced in 2019/2020, not funding this project could result in additional sections could result in failure.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants		32,000						
Bonds								
General Fund		51,000	100,000	100,000	100,000	100,000	100,000	100,000
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 83,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		83,000	100,000	100,000	100,000	100,000	100,000	100,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 83,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$683,000**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.121068, -123.427063  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 30 TO 40 YEARS

**ABOUT THE PROJECT:**

The Port Angeles City Pier was built in the early 1970's and the City has been making an effort to improve to its infrastructure to this facility over the last 6 years. Projects such as the Fire Suppression System Replacement and the new Transient Moorage Floats are CFP projects that have been completed during this time-frame. The next CFP project includes the replacement of 1,300 linear feet of railing that surrounds the majority of the City Pier. Sections of rusted/rotted railing have been replaced over the years, but it is now to the point that the entire railing needs to be replaced with galvanized railing. The primary benefit of a galvanized railing system is that it has a long life span with very low maintenance. Project is in phases, with 400 linear feet each year

**JUSTIFICATION:**

If this project is not completed the City will continue to have safety and liability concerns regarding the stability of the current railing system.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	2,000	163,000	200,000	200,000				
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 2,000</b>	<b>\$ 163,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction	2,000	163,000	200,000	200,000				
<b>TOTAL</b>	<b>\$ 2,000</b>	<b>\$ 163,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$565,000**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.119532, -123.431146  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 30 YEARS

**ABOUT THE PROJECT:**

Over the last several years the City has been wanting to invest in a pilot project that would fund a 24 hour restroom in the downtown area to meet the needs of the public. In 2019, \$150,000 was secured in Lodging Tax Funds to move this project forward. The City is currently working with Clallam Transit on placing the restroom at the Gateway Transit Center.

**JUSTIFICATION:**

This project is currently funded and slated to be completed in 2020. This is also a Council priority per the approved 2019 - 2020 Strategic Plan.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund		50,000						
Donations/Insurance Reim.								
Lodging Tax		150,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		200,000		0				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
REET								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$200,000**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.11791, -123.481792  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 20 YEARS

**ABOUT THE PROJECT:**

The City of Port Angeles does not have a baseball field with synthetic turf to promote year-round activity on safe and resilient surfaces. Local leagues/teams have a difficult time being able to play in the spring and fall months due to inclement weather. This, coupled with an escalating need for durable fields that can accommodate multiple teams and activities, the high cost of maintaining a grass field, and the need to conserve water, have prompted many schools, parks and municipalities to turn to synthetic turf to meet their needs. In 2019, a local community leader approached the City to take on the fundraising efforts to make this project a reality at Volunteer Field. He, along with the Wilder Baseball Club, will be raising money and applying for Recreation and Conservation Office (RCO) Grants to push this project forward. This project will be done in two phases, with the infield being done first and then the outfield in the second phase

**JUSTIFICATION:**

The cost of installing and maintaining a synthetic turf field over a 20-year period is over three times less expensive per event than the cost of a turf field. This will save on maintenance costs, reduce the amount of water used, and pollution from mowing and eliminates the use of fertilizers

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Utilities Fund									
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.		10,000	490,000			700,000			
Lodging Tax									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 10,000</b>	<b>\$ 490,000</b>	<b>\$ 0</b>	<b>\$ 700,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction			500,000	0	700,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 700,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
REET								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$1,200,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.1117043, -123.4189687  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 30 YEARS

**ABOUT THE PROJECT:**

After 18 years of heavy use, the Dream Playground is in need of replacement so that it can continue to be a safe place for children and families to play and gather. Over the course of this time, the Dream Playground Foundation has continued to raise and manage funds for the Generation II Dream Playground. The design of this playground was based on ideas gathered from elementary school children and will be built by volunteers from the community, much like the first build in 2002. The new feature will be made out of composite material, include numerous ADA features, and will have a pour-n-play rubber surfacing. The estimated cost of the playground is \$500,000 and will be completed and dedicated to the community on September 11, 2021.

**JUSTIFICATION:**

The Dream Playground is experiencing major rot in the wood structure and is in need of replacement.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.	50,000	190,000						
Lodging Tax	75,000	160,000						
<b>TOTAL</b>	<b>\$ 125,000</b>	<b>\$ 350,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		475,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 475,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 475,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.115685, -123.470069  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 30 YEARS

**ABOUT THE PROJECT:**

During the 2018 winter wind storm, a large tree within Lincoln Park fell and landed on top of our Parks Maintenance Building. This caused the building to buckle and left it unsafe and structurally unsound. In June of 2019, the City used \$123,097 of the insurance money received from the damage, along with \$37,339 from General Fund Reserves, to purchase an unassembled 6,000 sq. ft. metal building from Platypus Marine. The building is currently being stored until \$500,000 can be obtained to build the new structure on its west 16th property. This project also includes \$50,000 that was approved in the 2020 CFP process to demo the existing building.

**JUSTIFICATION:**

Not funding the additional \$500,000 in 2021 and 2022 will result in continued rent expenses for the temporary Parks location position and not constructing an already purchased facility.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund		50,000	250,000	250,000				
Donations/Insurance Reim.	206,500							
Other								
<b>TOTAL</b>	<b>\$ 206,500</b>	<b>\$ 50,000</b>	<b>\$ 250,000</b>	<b>\$ 250,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction	174,400	50,000	250,000	282,100				
<b>TOTAL</b>	<b>\$ 174,400</b>	<b>\$ 50,000</b>	<b>\$ 250,000</b>	<b>\$ 282,100</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$756,500**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.10359, -123.419876  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 30 YEARS

**ABOUT THE PROJECT:**

In partnership with the Fine Arts Center, this capital project would enhance Webster Woods by looking at improving security, adding power to the woods, and adding signage.

**JUSTIFICATION:**

The Port Angeles Fine Art Center (PAFAC) is the westernmost center for contemporary art in the contiguous United States. Located in the shadow of the Olympic National Park, its superlative physical setting provides an inspiring frame for cultural offerings. The PAFAC partners with the City of Port Angeles to provide an open year round facility and park that represents all fine art disciplines. People from all over the world visit the PAFAC and walk through the Webster's Woods which contains art in the woods from over 60 artists. Locals and visitors enjoy all the PAFADC has to offer. An estimated 5,000 people from all over the world visited the PAFAC gallery in 2018 and this does not include the countless number of people that visit Webster Woods. PAFAC events include gallery exhibitions, art education and events such as Paint the Peninsula and Shakespeare in the Woods, along with a unique art park. The purpose of this project is to enhance and protect Webster Woods from vandalism. If not funded, the events will remain status quo and the park will continue to get vandalized until it will eventually be destroyed and we will lose a unique piece of Port Angeles.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Lodging Tax	40,200							
<b>TOTAL</b>	<b>\$ 40,212</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		40,200						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 40,212</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 40,200**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.1117043, -123.4189687  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 30 YEARS

**ABOUT THE PROJECT:**

The Lincoln Park BMX track, along with other community groups, are fundraising to build a "Pump Track" at Erickson Playfield. A pump track is a playground for all things on wheels. They provide the opportunity for communities to be innovative and promote a healthy, active outdoor lifestyle by combining rolling jumps with turns. Pump tracks have become a hive of community activity, encouraging all generations to be healthy, fit and active. This project will also take the pressure off the skate park by having a dedicated bike track next to it while, at the same time, will provide an additional recreation feature for the community with very little maintenance added for park staff.

**JUSTIFICATION:**

This is a volunteer driven project that will be supported by the City of Port Angeles.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.		10,000	390,000					
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 10,000</b>	<b>\$ 390,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		10,000						
Construction			390,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 10,000</b>	<b>\$ 390,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 400,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.1117043, -123.4189687  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 30 YEARS

**ABOUT THE PROJECT:**

The east, west and south hillside of the City Pier, by outfall of Peabody Creek, is eroding at a significant pace and is in need of additional armoring to secure the bank. In 2019, the City closed the adjacent sidewalk because of up-heaving and a trip and fall incident. After the City's Engineer Department evaluated the project, it was determined that the cause of the sidewalk issue was because of tree roots and a failing culvert underneath the sidewalk. The sidewalk currently remains closed to the public, which is causing foot traffic flow issues for events and cruise ships. Cost of the project is estimated at \$290,000 with \$100,000 of these funds for consultant design.

**JUSTIFICATION:**

If not completed, the sidewalk will remain closed and the bank will continue to erode.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Utilities Fund		\$ 5,000	\$ 140,000						
Grants									
Bonds									
General Fund		5,000	140,000						
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 10,000</b>	<b>\$ 280,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		10,000	90,000					
Construction			190,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 10,000</b>	<b>\$ 280,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$290,000**



# PARKS AND RECREATION UNFUNDED CAPITAL PROJECTS

Projects identified as necessary, but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding, allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

## LOCOMOTIVE #4 REFURBISHMENT

PK0316

**PROJECT STATUS:** UNFUNDED

**PRESENT CONDITION:** POOR

**LATITUDE / LONGITUDE:** 48.1117043, -123.4189687

**PROJECT MANAGER:** COREY DELIKAT

**ESTIMATED LIFE:** 30 YEARS

**ESTIMATED TOTAL PROJECT COST:** \$250,000

### **ABOUT THE PROJECT:**

The Locomotive #4 located at the Blvd & Chase Traffic Island was given to the City in 1960. Over the last 56 years the locomotive has slowly been deteriorating and requires refurbishing. Repairs would include rust and asbestos removal, abatement of the insulation on the boiler and cylinders, cutting and replacing metal, securing the cab, replacement of missing parts, prepping and painting, landscape improvements, and building a shelter to house the engine. Recently, a group of train enthusiasts have been working with a local engineer and architect on a design that would change the look and feel of this community asset.

### **JUSTIFICATION:**

If funding is not secured, the locomotive will get to a point where it will be unrepairable.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.1117043, -123.4189687  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 30 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$835,000

**ABOUT THE PROJECT:**

During the Transient Moorage Float Replacement Project, additional funds were remaining to perform a load rating and pile inspection test. From that report, several deficiencies came out of the report that are in need of repair. Preliminary estimate is \$835,000.

**JUSTIFICATION:**

If these deficiencies are not repaired, the City Pier infrastructure will continue to deteriorate.

HVAC UPGRADES AT CITY HALL &  
SENIOR CENTER

PK0320

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 30 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$1,000,000

**ABOUT THE PROJECT:**

Both the Port Angeles Senior Center and City Hall are in need of HVAC upgrades. To develop an energy efficient and sustainable plan, the City is currently working with TRANE Technologies to develop costs for these two facilities.

**JUSTIFICATION:**

City Hall and the Port Angeles Senior Center are two aging facilities that are in need of HVAC efficiency upgrades. Upgrading these facilities would create furnace and A/C cost savings, provide better air flow and healthier air, reduce noise, regulate consistent air temperatures, and conserve more natural resources.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.1117043, -123.4189687  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 30 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$1,000,000

**ABOUT THE PROJECT:**

The sports lighting system at Shane Park and Elks Playfield are more than 40 years old. Much like Civic Field, the lighting system is past its lifespan and parts to replace the fixtures are obsolete. The wooden poles that support these fixtures also need to be replaced. Grants are expected to fund at least 50% of these replacements with the remainder from the General Fund.

**JUSTIFICATION:**

Both lighting systems at Shane Park and Elks Playfield are inadequate, deteriorated, and parts for repair are obsolete. The poles that support the fixtures also need repaired. Not replacing these lights would dramatically impact the City's recreation programs and revenue stream if games could not be held.

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.1117043, -123.4189687  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 30 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$250,000

**ABOUT THE PROJECT:**

The City has been receiving concerns from the boating community regarding the status of the boat launch as they enter the water from the launch. Many boaters will not use our facility because of fear of ruining their boats, trailers and vehicles. This project would be similar to the one that the Port of Port Townsend did where they did a pour in place pad to resurface and extend the length of the launch.

**JUSTIFICATION:**

The recreation boating community will continue to not use the launch on an annual basis.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.1117043, -123.4189687  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 30 YEARS  
**ESTIMATED TOTAL PROJECT COST:** UNKNOWN

### ABOUT THE PROJECT:

This project will provide rehabilitation and renovation of our parks. Improvements will include the replacement of playgrounds, fencing, facility rental upgrades, signage, parking lot repairs, landscaping and aesthetic improvements. Estimates are currently \$250,000 per park area.

### JUSTIFICATION:

The majority of the City's neighborhood parks have outdated infrastructures that have surpassed their lifespans and have safety issues causing some playgrounds to be removed. Some of the neighborhood parks are "open spaces," causing them to be one dimensional, providing limited activities for children and adults.

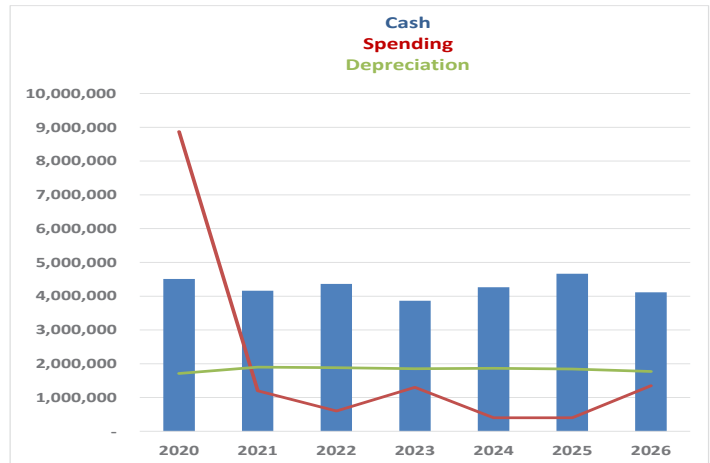


# ELECTRIC



# ELECTRIC FUND CAPITAL FACILITY PLAN

CFP YEAR: 2021 - 2026  
 MANAGER: SHAILESH SHERE  
 CONTACT: SSHERE@CITYOFPA.US  
 PHONE: 360-417-4702



## ELECTRIC FUND GOALS AND OBJECTIVES:

To maintain reliable and efficient substations, distribution, and transmission facilities for the electric utility, as well as provide buildings for inventory storage and personnel usage.

FUNDING SOURCES	PRIOR YEARS	Budget 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Electric Reserves Planned Use	\$ 4,200,000	\$ 4,700,000	\$ 1,119,200	\$ 600,000	\$ 1,300,000	\$ 400,000	\$ 400,000	\$ 1,350,000
Grants	-	-	28,800	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	50,000	50,000	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 4,200,000</b>	<b>\$ 4,750,000</b>	<b>\$ 1,198,000</b>	<b>\$ 600,000</b>	<b>\$ 1,300,000</b>	<b>\$ 400,000</b>	<b>\$ 400,000</b>	<b>\$ 1,350,000</b>

EXPENDITURES	Prior	2020	2021	2022	2023	2024	2025	2026
Design	77,100	442,900	60,000	-	60,000	-	-	-
Construction	-	8,430,000	1,138,000	600,000	1,240,000	400,000	400,000	1,350,000
<b>TOTAL</b>	<b>\$ 77,100</b>	<b>\$ 8,872,900</b>	<b>\$ 1,198,000</b>	<b>\$ 600,000</b>	<b>\$ 1,300,000</b>	<b>\$ 400,000</b>	<b>\$ 400,000</b>	<b>\$ 1,350,000</b>

OTHER OPERATING COSTS	Prior	2020	2021	2022	2023	2024	2025	2026
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	29,456	230,313	266,370	283,513	320,656	332,085	343,514
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 29,456</b>	<b>\$ 230,313</b>	<b>\$ 266,370</b>	<b>\$ 283,513</b>	<b>\$ 320,656</b>	<b>\$ 332,085</b>	<b>\$ 343,514</b>



# ELECTRIC PROJECT LIST & CASH FLOW

						CAPITAL FACILITIES PLAN					
Number	ELECTRIC PROJECTS Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2020	2021	2022	2023	2024	2025	2026
CLCAP	Maintenance Capital Contribution	R	1,150,000	-	200,000	200,000	150,000	150,000	150,000	150,000	150,000
CL0414	Construct New Light Ops Building	A	6,400,000	77,100	6,322,900	-	-	-	-	-	-
CL0916	Replace Laurel Street Substation Switchgear	A	500,000	-	500,000	-	-	-	-	-	-
CL0716	F Street Substation Switchgear	1	500,000	-	500,000	-	-	-	-	-	-
CL0119	Overhead Reconductoring - 2020	2	200,000	-	200,000	-	-	-	-	-	-
CL0319	Underground Cable Replacement - 2020	3	250,000	-	250,000	-	-	-	-	-	-
CL0217	I Street Substation Switchgear Replacement	4	500,000	-	500,000	-	-	-	-	-	-
CL0220	Laurel Street LTC Replacement	5	200,000	-	200,000	-	-	-	-	-	-
CL0320	F Street LTC Replacement	6	200,000	-	200,000	-	-	-	-	-	-
CL0420	College Street LTC Replacement	7	200,000	-	-	200,000	-	-	-	-	-
CL0919	"A" Street Substation Switchgear Replacement	8	500,000	-	-	500,000	-	-	-	-	-
CL0419	Underground Cable Replacement - 2021	9	250,000	-	-	250,000	-	-	-	-	-
CL0620	Electric Vehicle Charging Station	10	48,000	-	-	48,000	-	-	-	-	-
CL0519	Underground Cable Replacement - 2022	11	250,000	-	-	-	250,000	-	-	-	-
CL0216	City/PUD Service Area Capital Needs	12	400,000	-	-	-	200,000	200,000	-	-	-
CL0117	Washington Street Substation Switchgear	13	500,000	-	-	-	-	500,000	-	-	-
CL0819	Overhead Reconductoring - 2023	14	200,000	-	-	-	-	200,000	-	-	-
CL0619	Underground Cable Replacement - 2023	15	250,000	-	-	-	-	250,000	-	-	-
CL0719	Underground Cable Replacement - 2024	16	250,000	-	-	-	-	-	250,000	-	-
CL1019	Underground Cable Replacement - 2025	17	250,000	-	-	-	-	-	-	250,000	-
CL0120	F Street Transformer Replacement	18	1,200,000	-	-	-	-	-	-	-	1,200,000
CL0202	Feeder Tie Hwy 101, Porter to Golf Course Road	UF	350,000	-	-	-	-	-	-	-	-
CL0816	College Street Substation Switchgear	UF	500,000	-	-	-	-	-	-	-	-
CL0520	Substation Seismic Bracing	UF	500,000	-	-	-	-	-	-	-	-
<b>Total</b>			<b>15,548,000</b>	<b>77,100</b>	<b>8,872,900</b>	<b>1,198,000</b>	<b>600,000</b>	<b>1,300,000</b>	<b>400,000</b>	<b>400,000</b>	<b>1,350,000</b>

CASH FLOW ANALYSIS	2020	2021	2022	2023	2024	2025	2026
Beginning Cash Balance	10,034,163	4,511,263	4,163,263	4,363,263	3,863,263	4,263,263	4,663,263
<b>Funding sources:</b>							
Electric Rates Transfer	1,100,000	800,000	800,000	800,000	800,000	800,000	800,000
For building from Reserves	2,200,000	-	-	-	-	-	-
Adjustments for cash timing	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	50,000	50,000	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>Spending:</b>							
Project cost	(8,872,900)	(1,198,000)	(600,000)	(1,300,000)	(400,000)	(400,000)	(1,350,000)
<b>Ending Cash Balance</b>	<b>4,511,263</b>	<b>4,163,263</b>	<b>4,363,263</b>	<b>3,863,263</b>	<b>4,263,263</b>	<b>4,663,263</b>	<b>4,113,263</b>

<b>Depreciation</b>	<b>1,712,036</b>	<b>1,899,145</b>	<b>1,882,883</b>	<b>1,853,970</b>	<b>1,865,371</b>	<b>1,843,636</b>	<b>1,772,079</b>
<b>Depreciation to Cash Ratio</b>	<b>2.64</b>	<b>2.19</b>	<b>2.32</b>	<b>2.08</b>	<b>2.29</b>	<b>2.53</b>	<b>2.32</b>

Electric rates transfer is built into the COSA for the Electric Utility. Electric reserves included a transfer in 2018-2019 of funds held for the design of a new Light Operations building from the sale of the old warehouse in the amount of \$4,200,000. Cash reserves will be used in 2020 to fund the construction of the new building. This transfer is estimated at \$2.2 Million. Total reserves used is \$6.4 Million.

PROJECTS COMPLETED IN 2019		Actual	Budget
CL0219	Underground Cable Replacement 2019	215,028	220,000
CL0218	Leasehold Improvements	95,530	150,000
<b>TOTAL COMPLETED PROJECTS</b>		<b>310,558</b>	<b>370,000</b>

Completed projects are not included in the ongoing projects totals for expenditures or revenues.



**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.004559, -123.432153  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**  
 Capitalizing materials used in maintenance projects

**JUSTIFICATION:**  
 Electric utility's maintenance project are capital intensive. This project will capitalize the poles, transformers, overhead conductors, underground cables, etc used in replace-in-kind maintenance project as well as 'customer requested-customer paid' projects.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Electric Fund		\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.		50,000	50,000					
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		200,000	200,000	150,000	150,000	150,000	150,000	150,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: VARIES**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.111118, -123.459239  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 50 YEARS

**ABOUT THE PROJECT:**

Design will be completed in 2020. The building cost is estimated at \$6,400,000 including design.

**JUSTIFICATION:**

The monthly lease for the Light Ops facility is over \$7,000/month, or \$84,000 per year. A City owned facility will eliminate the continually increasing lease payments. When the previous building was sold, \$650,000 was set aside to offset the future costs of building a replacement, \$350,000 was used to purchase land in 2016 leaving \$300,000 available for design purposes. Currently design and build costs are preliminarily estimated at \$6.4 million, this will be revisited with a basic structure design to house inventory, fence an area for the pole yard, and build a carport for City Light vehicles.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Electric Fund	\$ 4,200,000	\$ 2,200,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 4,200,000</b>	<b>\$ 2,200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design	77,100	322,900						
Construction		6,000,000						
<b>TOTAL</b>	<b>\$ 77,100</b>	<b>\$ 6,322,900</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$6,400,000**



# LAUREL SUBSTATION SWITCHGEAR REPLACEMENT CL0916

**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** EXCELLENT  
**LATITUDE / LONGITUDE:** 48.10753, -123.443652  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS



**ABOUT THE PROJECT:**

Replace the Laurel Street substation switchgear. Affects roughly 1900 residential and commercial customers. To ensure the reliability of the substation, the failing switchgear will be replaced.

**JUSTIFICATION:**

The current switchgear is past the end of its usable life and has shown multiple signs of imminent failure. Aging and substantial fault impacts continue to affect performance. The substation switchgear replacement will begin the standardization of switchgear throughout the City service area.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Electric Fund		\$ 500,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		60,000						
Construction		440,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$500,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.115685, -123.469807  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replace "F" Street substation switchgear. "F" Street substation provides power to majority of the industrial customers within the City limits. To ensure the reliability of the substation, the failing switchgear will be replaced.

**JUSTIFICATION:**

The current switchgear is near the end of its usable life. Aging and substantial fault impacts continue to affect performance. This is the second project in the line of substation switchgear replacements and will also continue the standardization of switchgear throughout the City service area.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Electric Fund		\$ 500,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		500,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$500,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.101691, -123.449474  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS



**ABOUT THE PROJECT:**  
 Replace existing #6 copper conductor with #2 aluminum conductor steel reinforced (ACSR).

**JUSTIFICATION:**  
 Currently there is about 140 miles of #6 solid conductor in the electric utility overhead distribution system. Much of it is over 40 years old and has become brittle with age and corrosion. Some energized conductors have failed and fallen to the ground. This is a multi-year effort. Our current standard is #2 aluminum conductor steel reinforced (ACSR).

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Electric Fund		\$ 200,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		200,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$200,000**



**PROJECT STATUS:** DESIGN  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.109278, -123.404611  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replace existing direct buried cable over 35 years old and convert sections of overhead line to underground. The amounts constructed will be capitalized annually.

**JUSTIFICATION:**

Direct buried underground cables over 35 years have reached the end of their life span. These cables are prone to failure and an immediate impact on the reliability of the distribution system. Replacing all the direct buried old cable is a multi-year effort.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Electric Fund		\$ 250,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 250,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		250,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 250,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$250,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.125778, -123.468039  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replace the "I" Street substation switchgear. "I" Street substation provides power to roughly 900 residential customers and the United States Coast Guard (USCG) base within the City limits. To ensure the reliability of the substation, the failing switchgear will be replaced.

**JUSTIFICATION:**

The current switchgear is near the end of its usable life. Aging and substantial fault impacts continue to affect performance. This project will continue the standardization of switchgears throughout the City service area.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Electric Fund		\$ 500,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		60,000						
Construction		440,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$500,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.10753, -123.443652  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replace Laurel Street substation load tap changer (LTC). Laurel Street substation provides power to roughly 1,900 residential/commercial customers within the City limits. To ensure the reliability of the substation, the end of the life LTC will need to be replaced.

**JUSTIFICATION:**

The LTC is near the end of its usable life. Replacement/Rebuild for a LTC is recommended at 300,000 operations. This unit has exceeded 300,000 operations. Additional operations will continue to affect performance.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Electric Fund		\$ 200,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		200,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 200,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.115685, -123.469807  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replace "F" Street substation load tap changer (LTC). "F" Street substation provides power to majority of the industrial customers within the City limits. To ensure the reliability of the substation, the end of the life LTC will be replaced.

**JUSTIFICATION:**

The LTC is near the end of its usable life. Replacement/Rebuild for a LTC is recommended at 300,000 operations. This unit has exceeded 300,000 operations. Additional operations will continue to affect performance.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Electric Fund		\$ 200,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		200,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 200,000**



**PROJECT STATUS:** PRE-PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.101532, -123.415987  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replace College Street substation Load Tap Changer (LTC). College Street substation provides power to roughly 1500 residential/commercial customers within the City limits. To ensure the reliability of the substation, the end of the life LTC will be replaced.

**JUSTIFICATION:**

The LTC is near the end of its usable life. Replacement/Rebuild for a LTC is recommended at 300,000 operations. This unit is expected to exceed 300,000 operations. Additional operations will continue to affect performance.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Electric Fund			\$ 200,000						
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction			200,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 200,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.112151, -123.459300  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replace the "A" Street substation switchgear. A Street substation provides power to roughly 1200 residential customers within the City limits. To ensure the reliability of the substation, the failing switchgear will be replaced.

**JUSTIFICATION:**

The current switchgear is past the end of its usable life and has shown multiple signs of imminent failure. Aging and substantial fault impacts continue to affect performance. This project will continue the standardization of switchgear throughout the City service area.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Electric Fund			\$ 500,000						
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design			60,000					
Construction			440,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$500,000**



**PROJECT STATUS:** PRE-PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.004559, -123.432153  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replacing existing direct buried cable over 35 years old. The amounts constructed will be capitalized annually.

**JUSTIFICATION:**

Direct buried underground cables over 35 years have reached the end of their life span. These cables are prone to failure and an immediate impact on the reliability of the distribution system. Replacing all the direct buried old cable is a multi-year effort.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Electric Fund			\$ 250,000						
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 250,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction			250,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 250,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$250,000**



**PROJECT STATUS:** PRE-PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.113840, -123.431012  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Install an Electric Vehicle Charging station to encourage City employees towards the transition in to electric vehicles. City secured a Dept of Ecology grant to cover up to 60% of the eligible costs. The project will include three (3x) dual-plug charging stations for a total of six (6x) parking spots, including one (1x) ADA compliant space.

**JUSTIFICATION:**

This project is aimed to encourage City staff and patrons of City Hall to use EV vehicles. Availability of sufficient EV charging facilities is currently a limiting factor for EV use in Port Angeles. This project is also aimed at reducing carbon footprint of City Hall.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Electric Fund			\$ 19,200					
Grants			28,800					
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 48,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction			48,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 48,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$48,000**



**PROJECT STATUS:** PRE-PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.004559, -123.432153  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replacing existing direct buried cable over 35 years old. The amounts constructed will be capitalized annually.

**JUSTIFICATION:**

Direct buried underground cables over 35 years have reached the end of their life span. These cables are prone to failure and an immediate impact on the reliability of the distribution system. Replacing all the direct buried old cable is a multi-year effort.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Electric Fund				\$ 250,000				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 250,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction				250,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 250,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$250,000**



**PROJECT STATUS:** PRE-PLANNING  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.114363, -123.43207  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS



**ABOUT THE PROJECT:**

The City will begin negotiations with Clallam County PUD to define service area boundary and its applicability over a definite period. This project will define City electric utility limits and transfer assets to remove current crossover of service areas. There may be additional build outs in some areas to address the service area issues.

**JUSTIFICATION:**

Defined City electric utility limits will bring clarity in future load growth related capital projects. It will also eliminate the need for wheeling of power resulting in better service standards.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Electric Fund				\$ 200,000	\$ 200,000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction				200,000	200,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 400,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.111139, -123.418494  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replace Washington St substation switchgear. Washington Street substation provides power to roughly 1,000 residential/commercial (including OMC) customers within the City limits. To ensure the reliability of the substation, the failing switchgear will be replaced.

**JUSTIFICATION:**

The current switchgear is near the end of its usable life. Aging and substantial fault impacts continue to affect performance. This project will continue the standardization of switchgears throughout the City service area.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Electric Fund					\$ 500,000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design					60,000			
Construction					440,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$500,000**



**PROJECT STATUS:** PRE-PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.004559, -123.432153  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replace existing #6 copper conductor with #2 aluminum conductor steel reinforced (ACSR).

**JUSTIFICATION:**

Currently there is over 140 miles of #6 solid conductor in the electric utility overhead distribution system. Much of it is over 40 years old and has become brittle with age and corrosion. Some energized conductors have failed and fallen to the ground. This is a multi-year effort. Our current standard is #2 aluminum conductor steel reinforced (ACSR).

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Electric Fund					\$ 200,000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction					200,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 200,000**



**PROJECT STATUS:** PRE-PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.004559, -123.432153  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replacing existing direct buried cable over 35 years old. The amounts constructed will be capitalized annually.

**JUSTIFICATION:**

Direct buried underground cables over 35 years have reached the end of their life span. These cables are prone to failure and an immediate impact on the reliability of the distribution system. Replacing all the direct buried old cable is a multi-year effort.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Electric Fund					\$ 250,000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 250,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction					250,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 250,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$250,000**



**PROJECT STATUS:** PRE-PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.004559, -123.432153  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replacing existing direct buried cable over 35 years old. The amounts constructed will be capitalized annually.

**JUSTIFICATION:**

Direct buried underground cables over 35 years have reached the end of their life span. These cables are prone to failure and an immediate impact on the reliability of the distribution system. Replacing all the direct buried old cable is a multi-year effort.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Electric Fund						\$ 250,000		
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 250,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction						250,000		
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 250,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 250,000**



**PROJECT STATUS:** PRE-PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.004559, -123.432153  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replacing existing direct buried cable over 35 years old. The amounts constructed will be capitalized annually.

**JUSTIFICATION:**

Direct buried underground cables over 35 years have reached the end of their life span. These cables are prone to failure and an immediate impact on the reliability of the distribution system. Replacing all the direct buried old cable is a multi-year effort.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Electric Fund							\$ 250,000	
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 250,000</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction							250,000	
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 250,000</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$250,000**



**PROJECT STATUS:** PRE-PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.115685, -123.469807  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replace the "F" Street substation transformer. The "F" Street substation provides power to the majority of the industrial customers within the City limits. To ensure the reliability of the substation, the aging switchgear will be replaced.

**JUSTIFICATION:**

The transformer is near the end of its usable life. Aging and substantial fault impacts continue to affect performance.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Electric Fund								\$ 1,200,000
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 1,200,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction								1,200,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 1,200,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$1,200,000**



# ELECTRIC UNFUNDED CAPITAL PROJECTS

Projects identified as necessary, but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding, allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

## FEEDER TIE HWY 101, PORTER - GOLF COURSE RD CL0202

**PROJECT STATUS:** PRE-PLANNING  
**PRESENT CONDITION:** EXCELLENT  
**LATITUDE / LONGITUDE:** 48.097707, -123.409825  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$350,000

### **ABOUT THE PROJECT:**

Construction of a 12kV feeder tie approximately 4000' from College Feeder 1201 at Porter Street to Washington Street Feeder 1203 at Golf Course Road.

### **JUSTIFICATION:**

To provide contingency power for the area mentioned, should the substation fail. Expansion of service area will necessitate the requirement of ability to switch between substation feeders to ensure reliability.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.100698, -123.4175996  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$500,000

**ABOUT THE PROJECT:**  
Replace College Street substation switchgear.

**JUSTIFICATION:**  
The current switchgear is near the end of its usable life.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.100698, -123.4175996  
**PROJECT MANAGER:** SHAILESH SHERE  
**ESTIMATED LIFE:** 35 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$500,000

**ABOUT THE PROJECT:**  
Seismically brace critical infrastructure within all 7 substations within City service area. This will include a comprehensive study and implementation of the recommendations provided by the study.

**JUSTIFICATION:**  
To improve grid resiliency and reduce the restoration time after a seismic event. Several substations are slated to be upgraded with new switchgear and transformers. Seismically bracing these new assets will provide the best chance of speedy recovery from interruption/s caused by seismic event/s.





# WATER



# WATER FUND CAPITAL FACILITY PLAN

CFP YEAR: 2021 - 2026  
 MANAGER: JONATHAN BOEHME  
 CONTACT: JBOEHME@CITYOFPA.US  
 PHONE: 360-417-4803

PROJECTS COMPLETED IN 2019		ACTUAL	Budget
CAPWT	Miscellaneous Water Capital	6,561	59,500
WT0518	10th Street Water Main to N	284,649	330,000
WT0215	Marine Channel Bridge - Water	68,871	83,200
<b>TOTAL COMPLETED PROJECTS</b>		<b>360,081</b>	<b>472,700</b>

Completed projects are not included in the ongoing project totals for expenditures or revenues.

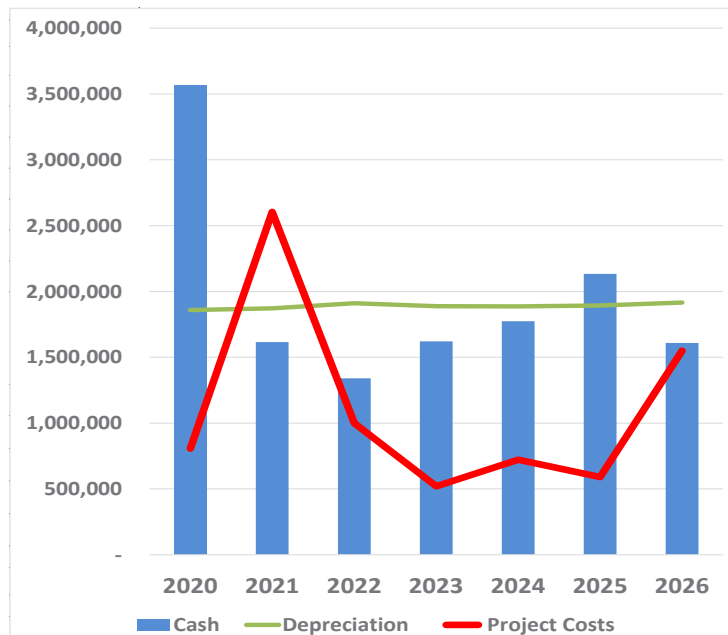
## WATER FUND GOALS AND OBJECTIVES:

Maintain, replace and improve water infrastructure from transmission lines to meters within the City. The goal is provide clean drinking water useable for all potable purposes.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Water Capital Reserves	\$ 434,100	\$ 766,000	\$ 2,429,000	\$ 1,000,000	\$ 520,000	\$ 722,000	\$ 590,000	\$ 1,550,000
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 434,100</b>	<b>\$ 766,000</b>	<b>\$ 2,429,000</b>	<b>\$ 1,000,000</b>	<b>\$ 520,000</b>	<b>\$ 722,000</b>	<b>\$ 590,000</b>	<b>\$ 1,550,000</b>

EXPENDITURES	Prior	2020	2021	2022	2023	2024	2025	2026
Design	15,700	496,000	400,000	-	-	50,000	-	-
Construction	116,600	310,000	2,204,000	1,000,000	520,000	672,000	590,000	1,550,000
<b>TOTAL</b>	<b>\$ 132,300</b>	<b>\$ 806,000</b>	<b>\$ 2,604,000</b>	<b>\$ 1,000,000</b>	<b>\$ 520,000</b>	<b>\$ 722,000</b>	<b>\$ 590,000</b>	<b>\$ 1,550,000</b>

OTHER OPERATING COSTS	Prior	2020	2021	2022	2023	2024	2025	2026
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	23,260	42,149	125,449	124,522	137,569	150,342	173,142
Other -Maint & Plans	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 23,260</b>	<b>\$ 42,149</b>	<b>\$ 125,449</b>	<b>\$ 124,522</b>	<b>\$ 137,569</b>	<b>\$ 150,342</b>	<b>\$ 173,142</b>



# WATER PROJECT LIST & CASH FLOW

Number	WATER PROJECTS Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
						2021	2022	2023	2024	2025	2026
CAPWT	General Water Equipment	R	466,300	116,300	50,000	50,000	50,000	50,000	50,000	50,000	50,000
WT0118	Ranney Well Roof	A	90,300	300	90,000	-	-	-	-	-	-
WT0220	Ranney Well Generator Relocate	A	175,000	-	175,000	-	-	-	-	-	-
WT0419	Decant Facility at Transfer Station - Water Soils Decant Bays	A	200,000	-	25,000	175,000	-	-	-	-	-
WT0120	Water System SCADA Upgrade	1	650,000	-	150,000	500,000	-	-	-	-	-
WT0218	Reservoir Repairs	2	275,000	-	31,000	244,000	-	-	-	-	-
WT0619	Peabody Reservoir Inlet Pipe Replacement	3	340,000	-	105,000	235,000	-	-	-	-	-
WT0519	Water Treatment Plant Repairs	4	170,000	-	30,000	140,000	-	-	-	-	-
WT0319	Ground Water Resiliency Program	5	1,400,000	-	150,000	500,000	750,000	-	-	-	-
WT0320	Morse Creek Transmission Main Eval/Design	6	400,000	-	-	400,000	-	-	-	-	-
WT0612	3rd & Vine Street Main	7	360,000	-	-	360,000	-	-	-	-	-
WT0420	Ennis Creek Water Main Relocate	8	200,000	-	-	-	200,000	-	-	-	-
WT0111	Liberty Street Water Main	9	485,700	15,700	-	-	-	470,000	-	-	-
WT0219	Peabody Heights Floating Cover Replacement	10	400,000	-	-	-	-	-	200,000	200,000	-
WT0512	East 4th Street Water Main	11	472,000	-	-	-	-	-	472,000	-	-
WT0212	East 6th Street Water Main	12	340,000	-	-	-	-	-	-	340,000	-
WT0412	West 4th Street Water Main	13	1,500,000	-	-	-	-	-	-	-	1,500,000
WT0717	Race/Caroline Street Fire Flow	UF	670,000	-	-	-	-	-	-	-	-
WT0112	10th Street Water Main	UF	905,000	-	-	-	-	-	-	-	-
WT0116	Marine Drive Main Replacement Phase II	UF	1,500,000	-	-	-	-	-	-	-	-
WT0117	Mill Creek Reservoir Expansion	UF	3,400,000	-	-	-	-	-	-	-	-
WT0119	McDougal Pressure Subzone	UF	700,000	-	-	-	-	-	-	-	-
WT0214	Transmission Main East of Golf Course Road	UF	2,275,000	-	-	-	-	-	-	-	-
WT0217	Airport/Edgewood Drive Water Main Extension	UF	5,000,000	-	-	-	-	-	-	-	-
WT0314	Tumwater Truck Route Commercial Fire Flow (LID)	UF	289,000	-	-	-	-	-	-	-	-
WT0317	Scribner Booster Station Upgrade	UF	1,500,000	-	-	-	-	-	-	-	-
WT0318	Viewcrest/Laurel Intertie/PRV	UF	200,000	-	-	-	-	-	-	-	-
WT0417	1st/Laurel Street Fire Flow	UF	384,000	-	-	-	-	-	-	-	-
WT0418	10th/11th Alley Water Main Replacement	UF	150,000	-	-	-	-	-	-	-	-
WT0517	6th/Laurel and 5th Street Fire Flow	UF	641,000	-	-	-	-	-	-	-	-
WT0617	Porter Street Zone PRV Improvements	UF	300,000	-	-	-	-	-	-	-	-
WT0817	St Andrews Place Fire Flow Loop	UF	530,000	-	-	-	-	-	-	-	-
WT0917	East First Street Fire Flow	UF	92,000	-	-	-	-	-	-	-	-
WT1017	18th Street Fire Flow	UF	480,500	-	-	-	-	-	-	-	-
WT1117	Lauridsen Blvd/Tumwater Fire Flow	UF	560,000	-	-	-	-	-	-	-	-
<b>Total</b>			<b>27,500,800</b>	<b>132,300</b>	<b>806,000</b>	<b>2,604,000</b>	<b>1,000,000</b>	<b>520,000</b>	<b>722,000</b>	<b>590,000</b>	<b>1,550,000</b>

CASH FLOW ANALYSIS	2020	2021	2022	2023	2024	2025	2026
Beginning Cash Balance	3,807,410	3,569,410	1,615,410	1,340,410	1,620,410	1,773,410	2,133,410
<b>Funding sources:</b>							
Water Rates	568,000	650,000	725,000	800,000	875,000	950,000	1,025,000
Grants	-	-	-	-	-	-	-
Bonds/Interest/Other	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>Spending:</b>							
Project Costs	(806,000)	(2,604,000)	(1,000,000)	(520,000)	(722,000)	(590,000)	(1,550,000)
<b>Ending Cash Balance</b>	<b>3,569,410</b>	<b>1,615,410</b>	<b>1,340,410</b>	<b>1,620,410</b>	<b>1,773,410</b>	<b>2,133,410</b>	<b>1,608,410</b>
<b>Depreciation</b>	<b>1,858,809</b>	<b>1,872,245</b>	<b>1,910,474</b>	<b>1,887,410</b>	<b>1,886,726</b>	<b>1,893,427</b>	<b>1,915,910</b>
<b>Depreciation to Cash Ratio</b>	<b>1.92</b>	<b>0.86</b>	<b>0.70</b>	<b>0.86</b>	<b>0.94</b>	<b>1.13</b>	<b>0.84</b>

Increasing funding levels to be offset with increased consumption and slight rate adjustments.



**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.125827, -123.520709  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 5 YEARS

**ABOUT THE PROJECT:**

This project is for the purchase of various large parts that have a value exceeding \$7,500 such as pumps, and other equipment not affiliated with a specific water project.

**JUSTIFICATION:**

The treatment plant is now 10 years old and some routine repairs and upgrades are required to maintain peak operating efficiency.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Water Fund	\$ 116,300	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 116,300</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction	116,300	50,000	50,000	50,000	50,000	50,000	50,000	50,000
<b>TOTAL</b>	<b>\$ 116,300</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: VARIES**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.118042, -123.5512325  
**PROJECT MANAGERS:**  
 JONATHAN BOEHME/ERIC WALRATH  
**ESTIMATED LIFE:** 50 YEARS



**ABOUT THE PROJECT:**  
 This project will replace the roof on the Ranney Well and the Support Building.

**JUSTIFICATION:**  
 The roof on the Ranney Well and Support Building is failing. Water leaking in to the buildings are causing damage to the structure and equipment.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Water Fund	\$ 40,000	\$ 50,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 40,000</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction	300	90,000						
<b>TOTAL</b>	<b>\$ 300</b>	<b>\$ 90,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$90,300**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.118349, -123.551319  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 20 YEAR



**ABOUT THE PROJECT:**

The backup emergency generator at the Ranney Well is no longer operational and is in need of costly repair to return to operational condition. There is a 1,000-KW generator at the Industrial Water Treatment Plant available for relocation, the City is interested in incorporating this generator as a replacement. This existing generator will be removed from the industrial facility, and the replacement generator will be relocated to the generator room at the Ranney Well Facility. The project would include an inspection of the 2,000 gallon generator diesel tank. Jacobs Engineering Group has been tasked with developing 100% plans and specifications for the generator relocate project.

**JUSTIFICATION:**

The backup emergency generator at the Ranney Well is no longer operational and is in need of costly repair to return to operational condition. The existing non-operational generator is over 40 years old, there is a 1,000-KW generator on-site at the Industrial Water Treatment Plant available for relocation. Without an emergency generator the Ranney well could be rendered inoperable during a power outage, eliminating they City's primary water source.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Water Fund		\$ 175,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 175,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		50,000						
Construction		125,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 175,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$175,000**



# DECANT FACILITY AT TRANSFER STATION - WATER SOILS DECANT BAYS

WT0419

**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.125827, -123.520709  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 25 YEARS

**ABOUT THE PROJECT:**

Waters \$200,000 contribution toward SW0112 Decant Facility at Transfer Station Project. Design and construct a decant facility to handle street sweepings, stormwater catch basin debris, wastewater soils, and water soils. This facility helps to prevent pollutants such as suspended sediment, heavy metals, nutrients, and trash from entering Port Angeles Harbor and the Salish Sea, the larger facility footprint will enable the City to process an additional 2,500 cubic yards of decant material per year. Liquids from dewatering would then be discharged into the sanitary sewer for further treatment at the Wastewater Treatment Plant. Solids would be stockpiled and turned as needed for aeration and drying. Funding is available in the form of a grant from the Department of Ecology (DOE) in the amount of \$474,300 with a city match of 15% from the solid waste reserves in the amount \$83,700. Only the stormwater portions of the facility are grant eligible, in order to fund design & construction of water portions of the facility the utility is contributing \$200,000 toward SW0112, \$25,000 for design in 2020 and \$175,000 for construction in 2021.



**JUSTIFICATION:**

The Transfer Station is a closed landfill cell with a stormwater detention pond and without proper handling the runoff could contaminate local water tables, streams, and the Straits of Juan de Fuca, in violation of our NPDES permit.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Water Fund		\$ 25,000	\$ 175,000						
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 175,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

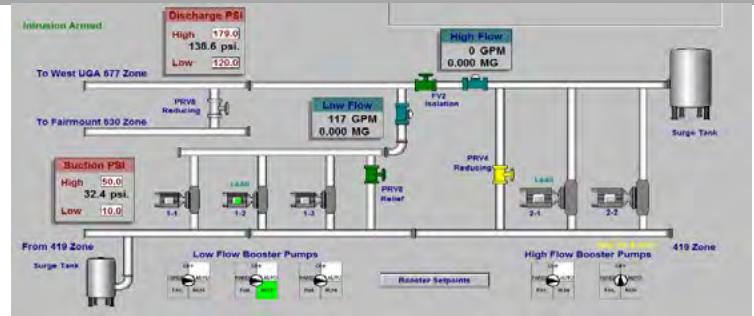
EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		25,000						
Construction			175,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 175,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$200,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.125827, -123.520709  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 25 YEARS



### ABOUT THE PROJECT:

The City accepted transfer of the Industrial Water Facility (IWF) from the National Parks Service (NPS) in 2018. The IWF and Port Angeles Water Treatment Plant (PAWTP) SCADA system are in need of some software upgrades, repairs, and modernization. Erroneous alarms complicate work for the operators. Water Operations staff desire the ability to remotely monitor water facilities (ranney well, reservoirs, and booster pump stations), and IWF from the PAWTP. This project will be more completely scoped out through an professional service agreement with Jacobs, Inc. The SCADA needs of PAWTP, each individual IWF facility, pump station, & reservoir will be considered during the design phase of this project.

### JUSTIFICATION:

The PAWTP SCADA system is in need of an upgrade to a modern version of the software infrastructure. Various water facilities have SCADA or communication problems. Communication methods to several water facilities need to be modernized, or have been recently modernized and need SCADA PLC upgrades. Linking the PAWTP, IWF and other remote facilities would assist water utility staff in operating the facilities more efficiently. The IWF would be remotely monitored, from the PAWTP allowing for reduced staff travel time to respond to alarms.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Water Fund		\$ 150,000	\$ 500,000						
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 150,000</b>	<b>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		150,000						
Construction			500,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 150,000</b>	<b>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$650,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS



**ABOUT THE PROJECT:**

This project will address the required communication and monitoring equipment repairs and replacements at the Black Diamond, Jones Street, Peabody, and "E" Street Reservoirs. Project will improve communications. Communications upgrades are necessary to prepare the facilities for the Water System SCADA upgrades capital improvement project. Project will also include the installation of ShakeAlert earthquake early warning systems, designed to give advanced warning of earthquakes to minimize damage to the facilities during and after earth quakes. Project may be issued as a phase of the Water System SCADA Upgrades project.

**JUSTIFICATION:**

Much of the existing monitoring equipment at the City's reservoirs is out of date, Communications method to the reservoirs are out of date as well. Following communication upgrades, new monitoring equipment and controls equipment will need to be installed. Communication/monitoring equipment failures cannot be verified via SCADA, and therefore require time consuming site visits to address. ShakeAlert earthquake early warning systems automatically initiate isolation actions which in turn saves potable water for first responders and for long-term drinking supply.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Water Fund	\$ 175,000	\$ 31,000	\$ 69,000						
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 175,000</b>	<b>\$ 31,000</b>	<b>\$ 69,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		31,000						
Construction			244,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 31,000</b>	<b>\$ 244,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$275,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.098590, -123.432657  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 50 YEARS



**ABOUT THE PROJECT:**

The 20" cast iron force main into the Peabody Reservoir is highly corroded, and two 20" valves need to be replaced. Design costs for the project include an inspection of the forcemain discharging into the reservoir to assess its condition, and to determine an appropriate way to rehabilitate the pipe or to determine extent of replacement effort. Currently one pipe serves as both the inlet and outlet pipe for the Peabody Reservoir, this project will also evaluate the feasibility of installing a new inlet main into the reservoir. Inspection and replacement of the valves will require a line stop. Line stop installation and pipe inspection are scheduled for 2020 with valve replacement in 2021. Construction may require bypass pumping, may involve CIPP or slip lining the existing pipe.

**JUSTIFICATION:**

Failure of the Peabody Reservoir inlet/outlet line would bring the reservoir offline. Additionally, failure of the line could cause damage to the Peabody Reservoir earthen dam and flood down stream property. Installation of a inlet pipe to the Peabody Reservoir would improve water mixing, mixing is important because uneven mixing results in zones of aged water, where long residence time depresses disinfectant residuals.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Water Fund		\$ 105,000	\$ 235,000						
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 105,000</b>	<b>\$ 235,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		60,000						
Construction		45,000	235,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 105,000</b>	<b>\$ 235,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$340,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.125756, -123.518261  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 25 YEARS

**ABOUT THE PROJECT:**

This project will start with a Water Treatment Plant (WTP) Condition Assessment. A Consultant will develop a list of assets to be repaired or replaced, and new operating and maintenance procedures. Installation of replacement equipment will be performed by WTP staff or a contractor, depending on the complexity of the work.

**JUSTIFICATION:**

The treatment plant is now 10 years old and some routine repairs and upgrades are required to maintain peak operating efficiency.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Utilities Fund		\$ 30,000	\$ 140,000						
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 140,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		30,000						
Construction			140,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 140,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$170,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** VARIES  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS

**ABOUT THE PROJECT:**

This program will develop water system resiliency by using ground water to meet peak day water demands. The program will begin with an analysis to locate the future locations for ground water wells based on locations of existing reservoirs, hydrology and water quality. Pilot test wells will be installed to measure actual yields and water characteristics. Based on this study water rights will be negotiated and construction of a production well will commence.

**JUSTIFICATION:**

These ground water wells will be a secondary source of water for the City's municipal water system to provide water system resiliency and relieve pressure off the Elwha River during low flow conditions.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Water Fund		\$ 150,000	\$ 500,000	\$ 750,000				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 150,000</b>	<b>\$ 500,000</b>	<b>\$ 750,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		150,000						
Construction			500,000	750,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 150,000</b>	<b>\$ 500,000</b>	<b>\$ 750,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$1,400,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.098623, -123.410069  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 60 YEARS



**ABOUT THE PROJECT:**

The Morse Creek Transmission main concrete cylinder pipe (CCP) needs to be replaced, or an alternative method of delivering water to its service area needs to be developed.

More leaks should be anticipated by the City until repairs are made. The need for replacement of this type of pipe is well understood and is being, or has been, undertaken at several utilities around western Washington. The City's CCP replacement has been on the capital improvements list for replacement as early as 1993. A past consultant evaluations recommended the City develop a program to replace the pipe in 2,000 - 5,000 LF sections over the course of 4- 7 years.

**JUSTIFICATION:**

The City of Port Angeles has approximately 19,000 linear feet of CCP built in the mid-1950's to early 1960's. The pipe has documented corrosion and has failed on frequent occasions due to corrosion. Failures of concrete cylinder pipe can be more catastrophic than other pipe materials and release large amounts of water and therefore have a higher potential to cause property damage. The reason for this is that bar wrapping tends to break like a zipper upon failure resulting in a larger leak opening.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Utilities Fund			\$ 400,000						
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 400,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design			400,000					
Construction								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 400,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 400,000**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.114239002, -123.427759409  
**PROJECT MANAGER:** ERIC WALRATH  
**ESTIMATED LIFE:** 50 YEARS



**ABOUT THE PROJECT:**

Install a new 8" ductile iron main, renew existing service lines and sub-mains at street crossings on Vine Street between 1st and 3rd, and replace 2" mains on 3rd between Albert Street and Vine Street with new 8" ductile iron main, renew service lines and sub-mains at street crossings as well as tie into main on the northwest corner of 3rd and Vine Streets, and set a new fire hydrant.

**JUSTIFICATION:**

Currently the system has poor system reliability, and a hydrant for fire safety is needed in the area. Several leaks in the 2" cast iron mains are causing costly repairs.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Water Fund			\$ 360,000						
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 360,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction			360,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 360,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$360,000**



**PROJECT STATUS:** PRE-PLANNING  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.105713, -123.394216  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 50 YEARS



**ABOUT THE PROJECT:**

Relocate and replace the 6" AC force main crossing Ennis Creek, in partnership with the Washington State Department of Transportation. Project planned for 2022 construction.

**JUSTIFICATION:**

The Washington State Department of Transportation is removing the Ennis Creek Culvert fish passage barrier. The City will need to temporarily relocate the water line during construction and then replace the waterline.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund				\$ 200,000				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction				200,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 200,000**

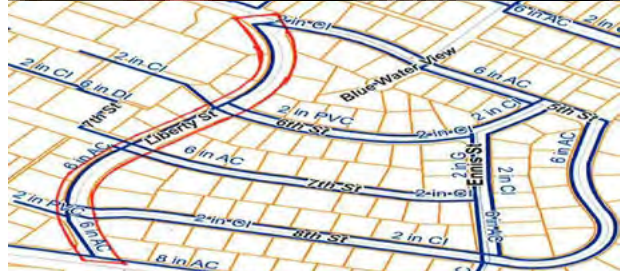


**PROJECT STATUS:** DESIGN  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.104713, -123.415656  
**PROJECT MANAGER:** ERIC WALRATH  
**ESTIMATED LIFE:** 50 YEARS



**ABOUT THE PROJECT:**

Replace approximately 1,500 feet of existing 6" asbestos-concrete water main along Liberty Street, renew service lines, and sub-main street crossings between Lauridsen Boulevard and 5th Street based on a survey performed in 2018.



**JUSTIFICATION:**

Significant damage to the water main occurred in February 2011, this project will prevent another major main break. This area has a high failure rate.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Water Fund	\$ 15,700				\$ 470,000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 15,700</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 470,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design	15,700							
Construction					470,000			
<b>TOTAL</b>	<b>\$ 15,700</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 470,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

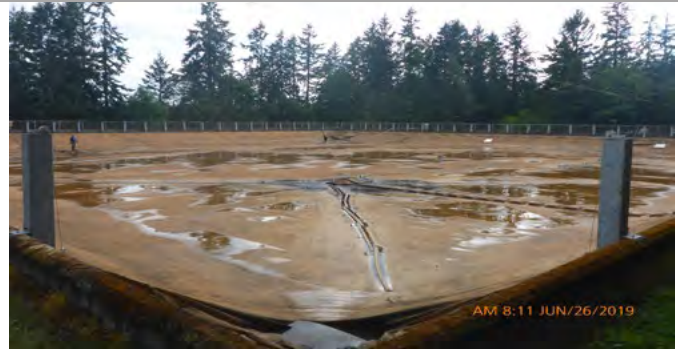
OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$485,700**



# PEABODY HEIGHTS FLOATING COVER REPLACEMENT WT0219

**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.098590, -123.432657  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 25 YEARS



## ABOUT THE PROJECT:

This project will replace the floating cover on the Peabody Heights Reservoir. The original floating cover was installed in September of 1993. The original life expectancy was 25 years. With routine maintenance, inspection and repair the cover has met that life expectancy.

## JUSTIFICATION:

During the last inspection in 2018 it was noted in the report that the cover may last 5 more years. During discussions with the inspector it was noted that we should start planning replacement of the cover.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Water Fund					\$ 200,000	\$ 200,000		
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design					50,000			
Construction					150,000	200,000		
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 400,000**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.107894556, -123.414874077  
**PROJECT MANAGER:** ERIC WALRATH  
**ESTIMATED LIFE:** 50 YEARS



**ABOUT THE PROJECT:**

Replace a 3" asbestos-concrete main on 4th Street between Chambers and Ennis Streets with a 8" ductile iron water main, renew service lines and sub-mains at street crossings.

**JUSTIFICATION:**

Replaces an asbestos-concrete type main which is prone to a high failure rate.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund						\$ 472,000		
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 472,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction						472,000		
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 472,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$472,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.112436309, -123.431975842  
**PROJECT MANAGER:** ERIC WALRATH  
**ESTIMATED LIFE:** 50 YEARS



**ABOUT THE PROJECT:**

Replace the 3" asbestos-concrete and 2" cast iron mains with a new 8" ductile iron main, renew service lines and sub-mains at street crossings on East 6th Street between Chase Street and Vine Street.

**JUSTIFICATION:**

Continued high repair for the asbestos-concrete and cast iron pipes with poor reliability without these upgrades/repairs.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Utilities Fund								\$ 340,000	
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 340,000</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction							340,000	
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 340,000</b>	<b>\$ 0</b>

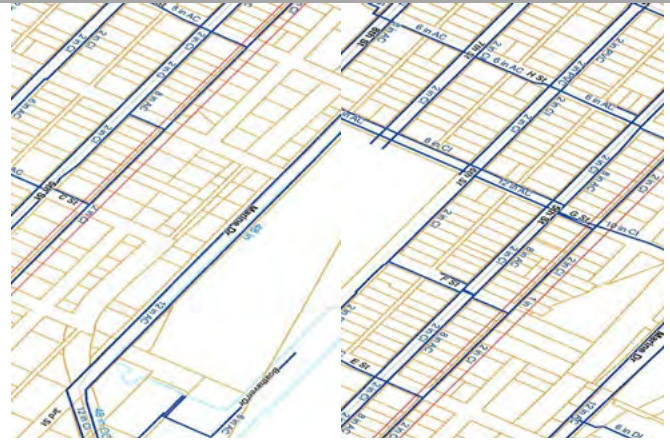
  

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$340,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.123457203, -123.454227448  
**PROJECT MANAGER:** ERIC WALRATH  
**ESTIMATED LIFE:** 50 YEARS



**ABOUT THE PROJECT:**  
 Replace a 2" cast iron main with a 8" ductile iron main, renew service lines and sub-mains at street crossings, and install a fire hydrant on West 4th between "A" and "I" Streets.

**JUSTIFICATION:**  
 Continued high repair for the cast iron pipes with poor reliability will occur without replacement.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Utilities Fund									\$ 1,500,000
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 1,500,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction								1,500,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 1,500,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$1,500,000**



# WATER UNFUNDED CAPITAL PROJECTS

Projects identified as necessary, but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding, allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

## RACE/CAROLINE STREET FIRE FLOW

WT0717

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.1156, -123.4166  
**PROJECT MANAGER:** ERIC WALRATH  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$670,000

### ABOUT THE PROJECT:

Replace 6-inch-diameter pipe in Race Street from Front Street to Caroline Street and 6-inch-diameter pipe in Caroline Street from Race Street to Chambers Street with new 12-inch pipe (pipe size to be verified). The total length of the new pipeline is approximately 1,900 feet.



### JUSTIFICATION:

This project is to increase fire flow capacity for the nearby hospital and businesses. This project was a result of the Water System Plan Update modeling.



# 10TH STREET WATER MAIN

WT0112

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.1074606, -123.4314887  
**PROJECT MANAGER:** ERIC WALRATH  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$905,000

**ABOUT THE PROJECT:**  
Replace the 2-inch cast iron mains with a 8" ductile iron main, and renew service lines and sub-mains at street crossings on East 10th Street between Lincoln and Eunice Streets.



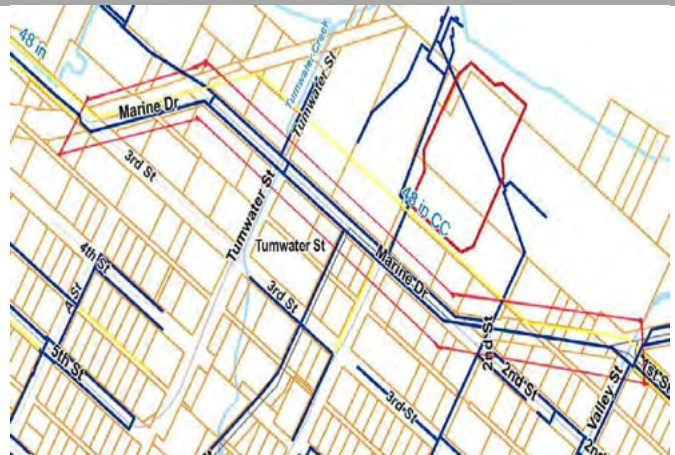
**JUSTIFICATION:**  
Continued high repair for the cast iron pipes with poor reliability will occur without replacement.

# MARINE DRIVE MAIN REPLACEMENT PHASE II

WT0116

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.119790232, -123.440923691  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$1,500,000

**ABOUT THE PROJECT:**  
Replace the 12-inch cast iron and 6-inch asbestos-concrete main in Marine Drive between east end of the Boat Haven and Valley Street.



**JUSTIFICATION:**  
Aged AC and cast iron water mains are functionally obsolete and have had numerous breaks due to its reduced integrity in high pressure events.



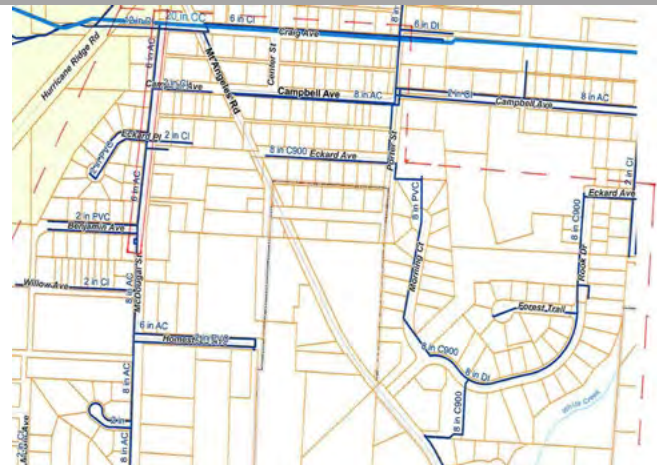
**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.1101, -123.4597  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$560,000



**ABOUT THE PROJECT:**  
 Install 1,200 linear feet of new 12-inch pipe in W. Lauridsen Blvd from "C" Street towards the Tumwater Truck Route, replacing existing 8-inch piping. This improvement includes approximately 100 linear feet of new pipe through the parking lot at the intersection of W. Lauridsen Blvd and the Tumwater Truck Route to complete a local pipe loop. Install 100 linear feet of new 12-inch pipeline from the discharge side of the adjacent Fairmount Booster Station to connect to a new hydrant along the Tumwater Truck Route.

**JUSTIFICATION:**  
 This project will increase fire flow capacity for nearby businesses. This project was a result of the Water System Plan Update modeling.

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.0973, -123.4248  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$700,000



**ABOUT THE PROJECT:**  
 Installation of 1,000 feet of 12-inch pipe, a valve station, RTU from Mill Creek pumps, SCADA and telemetry.

**JUSTIFICATION:**  
 This area meets daily requirements for water flow, but does not meet fire flow requirements.



# TRANSMISSION MAIN EAST OF GOLF COURSE ROAD

WT0214

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.094553521, -123.402364254  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$2,275,000



## ABOUT THE PROJECT:

Replace a portion of the 20-inch concrete cylinder transmission main east of Golf Course Road near Maddock Road.

## JUSTIFICATION:

The aged concrete cylinder transmission main has numerous breaks due to its reduced integrity in high pressure events. Replacement of this main is identified as project M2 in the 2002 Water System Plan.

# AIRPORT/EDGEWOOD DRIVE WATER MAIN EXTENSION

WT0217

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.1121, -123.4961  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$5,000,000

## ABOUT THE PROJECT:

Install a 12-inch diameter pipeline loop northward along Lower Elwha Road to the supply pipeline alignment and eastward to the discharge of the PAWTP. The total pipeline distance for this loop would be approximately 18,500 feet.

## JUSTIFICATION:

This pipeline is necessary for development of the West Urban Growth Area. The timing for this project depends on those pushing for the development and factors related to the development. This project will be funded in part by developers and/or others.



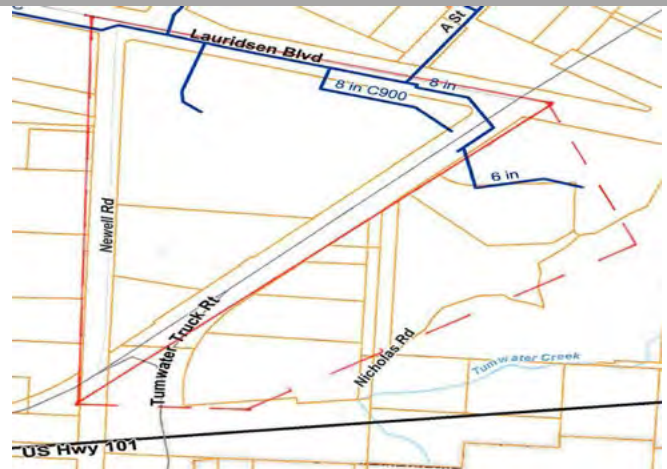
# TUMWATER TRUCK ROUTE COMMERCIAL FIRE FLOW (LID)

WT0314

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.110258896, -123.461780548  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$289,000

## ABOUT THE PROJECT:

Install a new 6" ductile iron water main in Tumwater Truck Route between Lauridsen Blvd and HWY 101 to increase fire flow and allow metered connections to commercial business. An alternate alignment will be to install a larger main in Newell Road.



## JUSTIFICATION:

Current available flows are not sufficient to maintain fire protection in the area for planned commercial expansion.

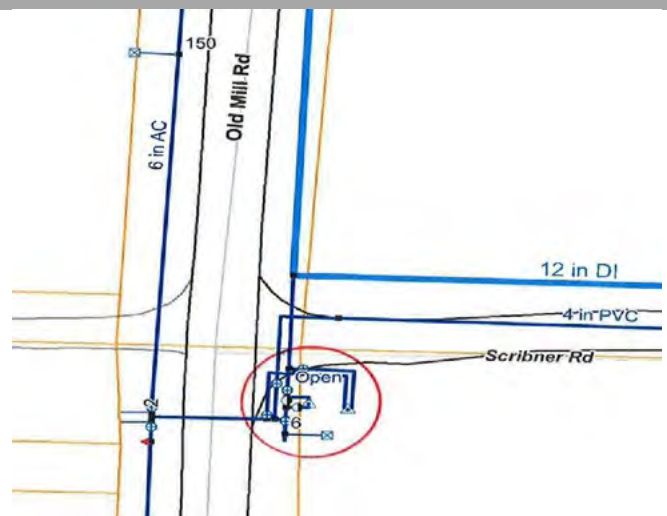
# SCRIBNER BOOSTER STATION UPGRADE

WT0317

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.0874, -123.4409  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$1,500,000

## ABOUT THE PROJECT:

Install a below-grade station contained in a single concrete vault with two duty pumps (one as redundant) and a single high flow pump for fire flows. A plug-in connection for a backup generator will be provided.



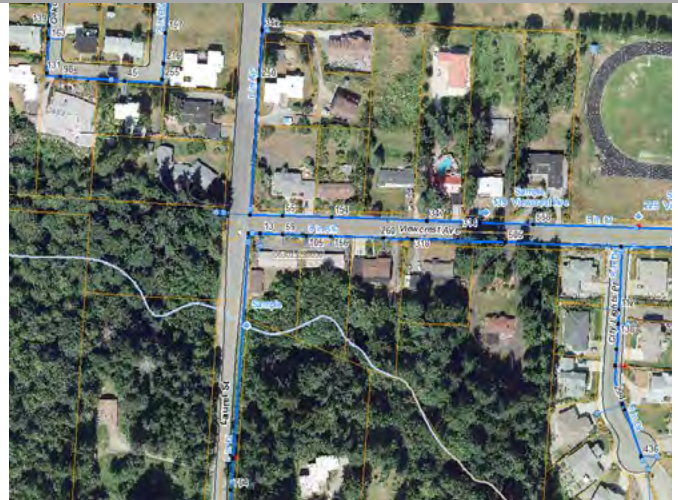
## JUSTIFICATION:

The Scribner Booster Station has an excellent history of reliable operation, but it is an aging facility of deteriorating condition whose long-term reliability and functionality are uncertain.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.098039, -123.445666  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$200,000

**ABOUT THE PROJECT:**  
 This project will install an intertie and pressure reducing valves (PRV) at the Viewcrest and Laurel Avenue intersection.

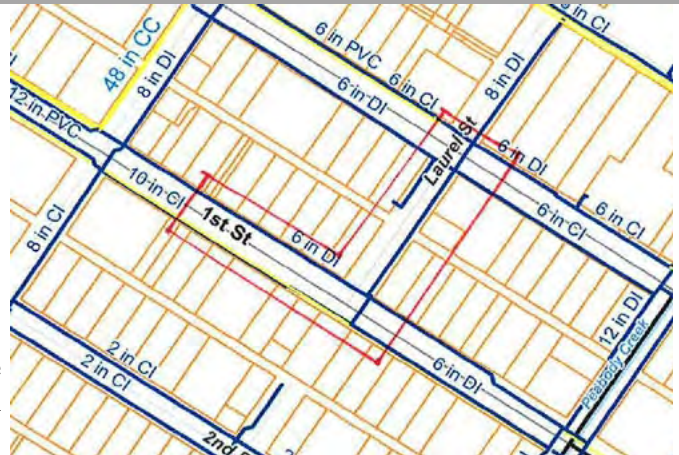


**JUSTIFICATION:**  
 Water system pressure in this area is low and not reliable. This intertie and PRV will provide higher pressure to assist in meeting fire compliance as well as better pressure for the residential use.

1ST/LAUREL STREET FIRE FLOW

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.1190, -123.4335  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$384,000

**ABOUT THE PROJECT:**  
 Install 960 linear feet of new 12-inch pipe, reconnect existing service lines and sub-mains at street crossings in First Street and Laurel Street to replace existing 6-inch pipelines in both streets.



**JUSTIFICATION:**  
 This project will increase fire flow capacity for nearby businesses. This project was a result of the Water System Plan Update modeling.



# 10TH/11TH ALLEY WATER MAIN REPLACEMENT

WT0418

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.105490, -123.428230  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$150,000



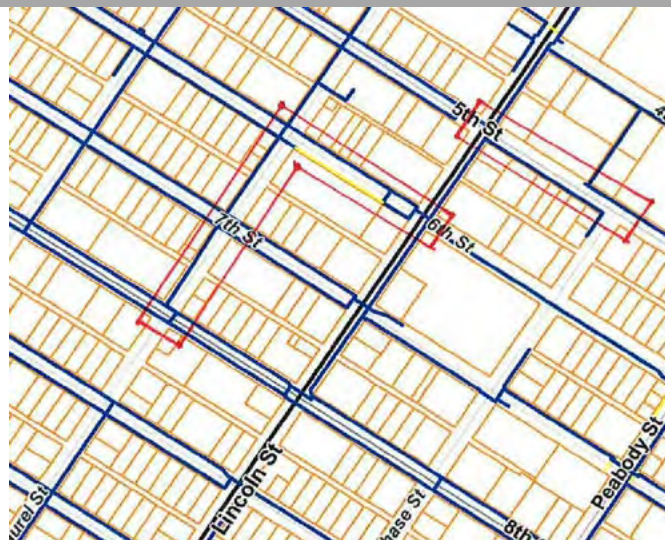
**ABOUT THE PROJECT:**  
Install a new fire hydrant at the 10/11 alley on the east side of Francis Street and replace approximately 270 feet of 2" water main to the dead end of the alley.

**JUSTIFICATION:**  
Continued high repair for the cast iron pipes with poor reliability will occur without replacement.

# 6TH/LAUREL AND 5TH STREET FIRE FLOW

WT0517

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.1147, -123.4374  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$641,000

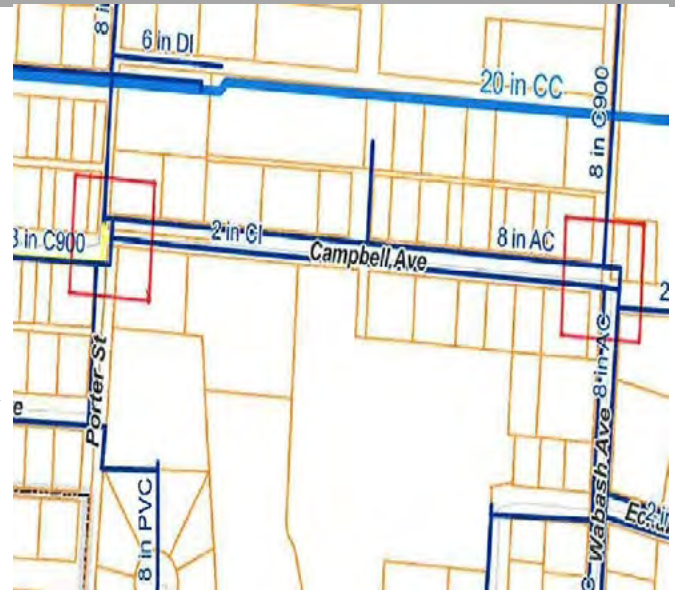


**ABOUT THE PROJECT:**  
Install 1,315 linear feet of new 10-inch pipe in 6th Street and Laurel Street, two fire hydrants, and 365 linear feet of new 8-inch pipe in Fifth Street to connect two dead-end pipes and improve flow capacity in the local distribution system.

**JUSTIFICATION:**  
This project will increase fire flow capacity for the nearby businesses and improves the capacity of the distribution system. This project was a result of the Water System Plan Update modeling.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.0965, -123.4194  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$300,000



### ABOUT THE PROJECT:

Connect the existing pressure releasing valves (PRVs) serving the Porter Street Zone to the existing, old 20-inch-diameter Morse Creek supply pipeline that now serves as a key high zone transmission pipeline. One of these existing PRVs is in Porter Street and the other is in the 8-inch pipeline that is directly south of Peninsula College at Wabash and Campbell. Both of these PRVs are currently connected to smaller-diameter high zone distribution pipelines.

### JUSTIFICATION:

This project will increase fire flow capacity for nearby businesses and improve the distribution system. This project was a result of the Water System Plan Update modeling.

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.100381, -123.435538  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$530,000



### ABOUT THE PROJECT:

Install 1,325 feet of new 12-inch pipe within the Viewcrest Subzone from the intersection of S. Peabody Street and E. Viewcrest Avenue, east in Viewcrest to S. Regent Street, and north in S. Regent Street to the St. Andrews Place Assisted Living facility. This improvement replaces a combination of existing 6-inch-diameter and 8-inch-diameter pipe, and also includes a section of 12-inch-diameter pipeline to complete a loop around St. Andrews Place.

### JUSTIFICATION:

This project will increase fire flow capacity for the nearby businesses.

This project was a result of the Water System Plan Update modeling.



# EAST FIRST STREET FIRE FLOW

WT0917

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.1068, -123.4024  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$92,000

## ABOUT THE PROJECT:

Install 230 linear feet of new 10-inch-diameter pipeline to increase the available fire flow along East First Street. Crossing First Street is included in this improvement to create a loop to the piping on the north side of First Street.



## JUSTIFICATION:

This project will increase fire flow capacity for nearby businesses. This project was a result of the Water System Plan Update modeling.

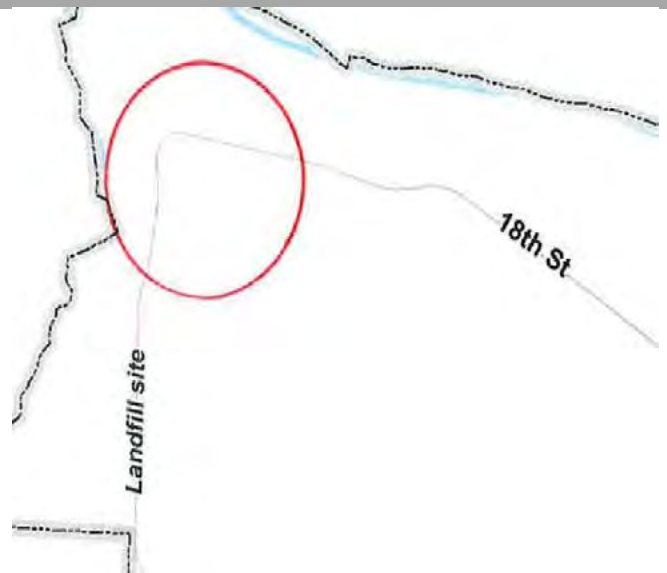
# 18TH STREET FIRE FLOW

WT1017

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.1317, -123.5177  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$480,500

## ABOUT THE PROJECT:

Install 1,550 linear feet of new 8-inch pipeline at the end of West 18th Street to improve fire flow to the West 18th Street Industrial Area that includes the landfill, the transfer station, compost facility, and PAWTP. This improvement eliminates dead end piping from the PAWTP as well as from West 18th Street.



## JUSTIFICATION:

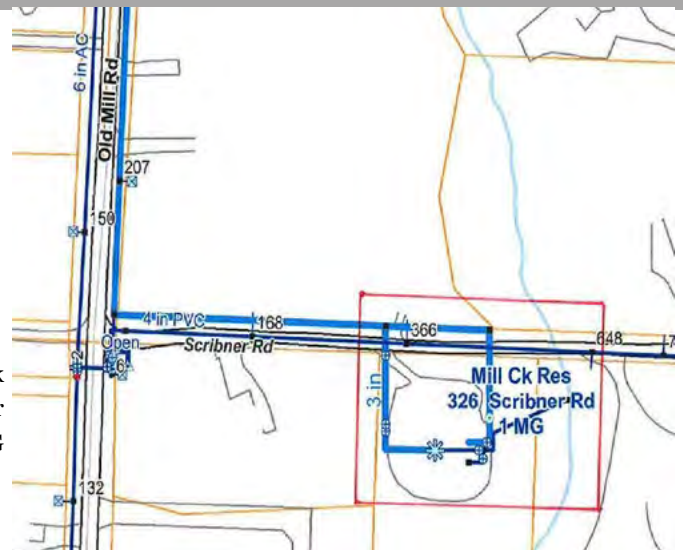
This project will increase fire flow capacity for nearby business. This project was a result of the Water System Plan Update modeling.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.0872, -123.4393  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$3,400,000

**ABOUT THE PROJECT:**

Build a new storage reservoir adjacent to the existing Mill Creek reservoir. The City intends to maximize use of its adjacent reservoir site to the extent practical, which could result in a reservoir of 1.5 MG or more.



**JUSTIFICATION:**

The City's high zone is deficient in storage. A new reservoir will be needed to alleviate this deficiency.



# WASTEWATER



# WASTEWATER FUND CAPITAL FACILITY PLAN

CFP YEAR: 2021 - 2026  
 MANAGER: JONATHAN BOEHME  
 CONTACT: JBOEHME@CITYOFPA.US  
 PHONE: 360-417-4803

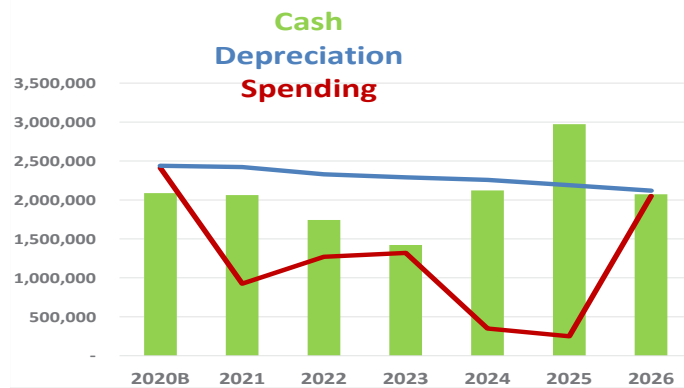
## WASTEWATER FUND GOALS AND OBJECTIVES:

To provide or allow the opportunity for services and facilities which enhance the quality of life for Port Angeles citizens of all ages, characteristics, needs and interests and to achieve the desired developmental patterns of the City as depicted on the Comprehensive Plan Land Use Map. To provide utility services in an efficient and cost effective manner.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Wastewater Capital Reserves	\$ 1,534,700	1,500,900	925,000	1,270,000	1,270,000	350,000	250,000	2,050,000
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 1,534,700</b>	<b>\$ 1,500,900</b>	<b>\$ 925,000</b>	<b>\$ 1,270,000</b>	<b>\$ 1,270,000</b>	<b>\$ 350,000</b>	<b>\$ 250,000</b>	<b>\$ 2,050,000</b>

EXPENDITURES	Prior	2020	2021	2022	2023	2024	2025	2026
Design	170,000	389,600	255,000	215,000	15,000	15,000	200,000	-
Construction	267,300	2,021,000	670,000	1,055,000	1,305,000	335,000	50,000	2,050,000
<b>TOTAL</b>	<b>\$ 437,300</b>	<b>\$ 2,410,600</b>	<b>\$ 925,000</b>	<b>\$ 1,270,000</b>	<b>\$ 1,320,000</b>	<b>\$ 350,000</b>	<b>\$ 250,000</b>	<b>\$ 2,050,000</b>

OTHER OPERATING COSTS	Prior	2020	2021	2022	2023	2024	2025	2026
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	52,501	121,391	149,474	181,599	214,432	221,515	224,848
Other	-	-	-	-	-	-	-	-
Maintenance projects	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 52,501</b>	<b>\$ 121,391</b>	<b>\$ 149,474</b>	<b>\$ 181,599</b>	<b>\$ 214,432</b>	<b>\$ 221,515</b>	<b>\$ 224,848</b>



# WASTEWATER PROJECT LIST & CASH FLOW

						CAPITAL FACILITIES PLAN					
WASTEWATER PROJECTS		PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2020	2021	2022	2023	2024	2025	2026
Number	Title					2021	2022	2023	2024	2025	2026
<b>WASTEWATER</b>											
CAPWW	General Wastewater Equipment	R	693,300	267,300	126,000	50,000	50,000	50,000	50,000	50,000	50,000
WW0308	Pump Station #3 Replacement	A	1,479,600	170,000	1,309,600	-	-	-	-	-	-
WW0618	2019 Neighborhood Sewer Rehab	A	300,000	-	300,000	-	-	-	-	-	-
WW0519	Decant Facility at Transfer Station - Wastewater Soils Decant Bays	A	200,000	-	25,000	175,000	-	-	-	-	-
WW0319	Wastewater Comprehensive Plan	1	300,000	-	200,000	100,000	-	-	-	-	-
WW0219	WWTP Digester Cleaning and Repair	2	100,000	-	100,000	-	-	-	-	-	-
WW0419	WWTP HVAC Replacement	3	200,000	-	50,000	150,000	-	-	-	-	-
WW0718	2020 Neighborhood Sewer Rehabilitation	4	300,000	-	300,000	-	-	-	-	-	-
WW0508	Digester Mixing Improvement WWTP	5	600,000	-	-	50,000	150,000	400,000	-	-	-
WW0818	2021 Neighborhood Sewer Rehabilitation	6	300,000	-	-	300,000	-	-	-	-	-
WW0420	WWTP Potable Water Air-Gap	7	75,000	-	-	25,000	50,000	-	-	-	-
WW0220	West 4th Street Capacity Improvement	8	500,000	-	-	75,000	425,000	-	-	-	-
WW0520	Sanitary Force Main Relocate (Lees Creek)	9	200,000	-	-	-	200,000	-	-	-	-
WW0715	Oak Street Sewer Separation	10	275,000	-	-	-	25,000	250,000	-	-	-
WW0815	Laurel Street Sewer Separation	11	275,000	-	-	-	25,000	250,000	-	-	-
WW0918	2022 Neighborhood Sewer Rehabilitation	12	300,000	-	-	-	300,000	-	-	-	-
WW0516	WWTP Boiler Replacement	13	115,000	-	-	-	45,000	70,000	-	-	-
WW1018	2023 Neighborhood Sewer Rehabilitation	14	300,000	-	-	-	-	300,000	-	-	-
WW1118	2024 Neighborhood Sewer Rehabilitation	15	300,000	-	-	-	-	-	300,000	-	-
WW0120	Pump Station 3 Force Main Replacement	16	2,200,000	-	-	-	-	-	-	200,000	2,000,000
WW0415	Pump Station #5 Rehabilitation	UF	-	-	-	-	-	-	-	-	-
WW0915	Pump Station #6 Improvements	UF	-	-	-	-	-	-	-	-	-
WW0110	Aeration Blower Replacement	UF	550,000	-	-	-	-	-	-	-	-
WW0217	Ennis Creek Force Main Removal	UF	225,000	-	-	-	-	-	-	-	-
WW0608	Waste Activated Sludge Thickening WWTP	UF	1,500,000	-	-	-	-	-	-	-	-
WW1115	1st & 2nd Streets Alley Sewer Separation	UF	120,000	-	-	-	-	-	-	-	-
WW1215	Shane Park Sewer Separation	UF	280,000	-	-	-	-	-	-	-	-
WW1315	Pine Hill Sewer Separation	UF	275,000	-	-	-	-	-	-	-	-
WW0119	Biosolid Pyrolysis	UF	4,000,000	-	-	-	-	-	-	-	-
WW0518	Francis Street Sewer Trestle Repair	UF	50,000	-	-	-	-	-	-	-	-
WW0320	WWTP Septic Truck Pad Repair	UF	120,000	-	-	-	-	-	-	-	-
<b>Total</b>			<b>\$ 16,132,900</b>	<b>\$ 437,300</b>	<b>\$ 2,410,600</b>	<b>\$ 925,000</b>	<b>\$ 1,270,000</b>	<b>\$ 1,320,000</b>	<b>\$ 350,000</b>	<b>\$ 250,000</b>	<b>\$ 2,050,000</b>

CASH FLOW ANALYSIS	2020B	2021	2022	2023	2024	2025	2026
Beginning Cash Balance	3,648,076	2,087,476	2,062,476	1,742,476	1,422,476	2,122,476	2,972,476
<b>Funding sources:</b>							
Wastewater Rates	850,000	900,000	950,000	1,000,000	1,050,000	1,100,000	1,150,000
Grants	-	-	-	-	-	-	-
Bonds/Interest/Other	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>Spending:</b>							
Project Costs	(2,410,600)	(925,000)	(1,270,000)	(1,320,000)	(350,000)	(250,000)	(2,050,000)
<b>Ending Cash Balance</b>	<b>2,087,476</b>	<b>2,062,476</b>	<b>1,742,476</b>	<b>1,422,476</b>	<b>2,122,476</b>	<b>2,972,476</b>	<b>2,072,476</b>
<b>Depreciation</b>	<b>2,438,696</b>	<b>2,421,999</b>	<b>2,329,773</b>	<b>2,290,807</b>	<b>2,258,015</b>	<b>2,189,208</b>	<b>2,119,233</b>
<b>Depreciation to Cash Ratio</b>	<b>0.86</b>	<b>0.85</b>	<b>0.75</b>	<b>0.62</b>	<b>0.94</b>	<b>1.36</b>	<b>0.98</b>

PROJECTS COMPLETED IN 2019		Actual	Budget
WW0205	Biosolids Dewatering	1,412,926	1,435,000
WW0315	Marine Channel Bridge	75,816	89,900
WW1218	10th St Sewer Main	19,834	23,000
CAPWW	Misc Pumps for WWTP	64,440	84,000

Completed projects are not included in the ongoing project totals for expenditures or revenues.



**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** EXCELLENT  
**LATITUDE / LONGITUDE:** 48.111766, -123.402773  
**PROJECT MANAGER:** THOMAS HUNTER  
**ESTIMATED LIFE:** 15 YEARS



**ABOUT THE PROJECT:**

This project is for the purchase of various large parts that have a value exceeding \$7,500 such as pumps, compressors, tanks and gears not affiliated with a specific wastewater project.

**JUSTIFICATION:**

Due to the age of the facilities, sufficient essential and critical capital spares (such as the primary clarifier gear reducer unit and spare pump station pumps) could jeopardize continuous operations.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Wastewater Fund	\$ 267,300	\$ 126,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 267,300</b>	<b>\$ 126,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction	267,300	126,000	50,000	50,000	50,000	50,000	50,000	50,000
<b>TOTAL</b>	<b>\$ 267,300</b>	<b>\$ 126,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: VARIES**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.1215208, -123.436617  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 40 YEARS



**ABOUT THE PROJECT:**

This project is being accelerated due to severe damage to wastewater pump station no.3 that occurred during the December 2018 wind storm. During the storm, the pump station lost power causing the equipment to be submerged in wastewater rendering the pump station inoperable. City staff installed a temporary fix, which required increased attention by the City operations staff. Current demand on the pump station exceeds capacity to convey flow to wastewater pump station no.4. City staff has determined an upgrade to a self-priming pump station sized to convey both current and anticipated future flows will resolve the current capacity-demand issue.

**JUSTIFICATION:**

Failure to replace the pump station and pipelines which have limited capacity will continue to cause pump inefficiencies and sewer backup along Marine Drive.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Wastewater Fund	\$ 842,400	\$ 774,900						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 842,400</b>	<b>\$ 774,900</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design	170,000	84,600						
Construction		1,225,000						
<b>TOTAL</b>	<b>\$ 170,000</b>	<b>\$ 1,309,600</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$1,479,600**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.43207  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 80 YEARS

**ABOUT THE PROJECT:**

Project will repair damaged gravity sewer lines to prevent or reduce groundwater infiltration. Planned repairs include CIPP lining, foam grouting, and direct replacement.

**JUSTIFICATION:**

Groundwater infiltration in the rainy season doubles the wastewater loading at the wastewater treatment plant which increases the direct cost of wastewater treatment. Infiltration also adds to the stormwater flows causing potential CSO events.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Wastewater Fund	\$ 300,000							
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		15,000						
Construction		285,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$300,000**



# DECANT FACILITY AT TRANSFER STATION WASTEWATER SOILS DECANT BAYS

WW0519

**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.131198, -123.518793  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 25 YEARS



## ABOUT THE PROJECT:

This is wastewater's \$200,000 contribution toward SW0112 Decant Facility. Design and construct a decant facility to handle street sweepings, stormwater catch basin debris, wastewater soils, and water soils. This facility helps to prevent pollutants such as suspended sediment, heavy metals, nutrients, and trash from entering Port Angeles Harbor and the Salish Sea, the larger facility footprint will enable the City to process an additional 2,500 cubic yards of decant material per year. Liquids from dewatering would then be discharged into the sanitary sewer for further treatment at the Wastewater Treatment Plant.

Solids would be stockpiled and turned as needed for aeration and drying. Funding is available in the form of a grant from DOE in the amount of \$474,300 with a city match of 15% from the solid waste reserves in the amount of \$83,700. Only the stormwater portions of the facility are grant eligible, in order to fund design and construction of wastewater portions of the facility the utility is contributing \$200,000 to this project. \$25,000 for design in 2020 and \$175,000 for construction in 2021.

## JUSTIFICATION:

The Transfer Station is a closed landfill cell with a stormwater detention pond and without proper handling the runoff could contaminate local water tables, streams, and the Straits of Juan de Fuca, in violation of our NPDES permit.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Wastewater Fund	\$ 25,000		\$ 175,000						
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 25,000</b>	<b>\$ 0</b>	<b>\$ 175,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		25,000						
Construction			175,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 175,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$200,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.43207  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 20 YEARS

**ABOUT THE PROJECT:**

This project will compile a wastewater comprehensive plan. The plan will address the City's comprehensive planning needs for collection, transmission and treatment of wastewater for the 6 year and 20 year planning period. The project will also include a modeling component to analyze the need to revise and upgrade aging pump stations.

**JUSTIFICATION:**

A sewer plan is very common among other jurisdictions and recommended by the Department of Ecology. The plan will enable the City to better plan and utilize limited resources in the most cost-effective manner and focus work on critical components of the wastewater system.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Wastewater Fund		\$ 200,000	\$ 100,000						
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		200,000	100,000					
Construction								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$300,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.111766, -123.402773  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 30 YEARS

**ABOUT THE PROJECT:**

This project will clean, inspect and repair the floating cover on the easterly digester at the WWTP.

**JUSTIFICATION:**

Failure to clean, inspect, and repair the floating cover could result in failure of the cover and potential damage to the digester.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Wastewater Fund		\$ 100,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		100,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$100,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.111766, -123.402773  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 30 YEARS

**ABOUT THE PROJECT:**

This project will evaluate the aging/failing HVAC system at the water treatment plant. Additionally, it will tie the controls system into the SCADA system. Construction needs and costs will be set following initial design.

**JUSTIFICATION:**

The HVAC system at the WWTP is aging and has experienced several failures requiring costly repairs. This project will evaluate the entire system and make all repairs necessary. The HVAC system is important to maintain temperatures of stored chemicals, code compliance of derated rooms/buildings, and the temperature of major electrical rooms. Several of the HVAC units are suspended overhead, above electrical and SCADA equipment and have leaked in the past, causing significant damage to this equipment.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Wastewater Fund	\$ 50,000		\$ 150,000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 150,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		50,000						
Construction			150,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 150,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$200,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.43207  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 80 YEARS

**ABOUT THE PROJECT:**

Project will repair damaged gravity sewer lines to prevent or reduce groundwater infiltration. Planned repairs include CIPP lining, foam grouting, and direct replacement.

**JUSTIFICATION:**

Groundwater infiltration in the rainy season doubles the wastewater loading at the wastewater treatment plant which increases the direct cost of wastewater treatment. Infiltration also adds to the stormwater flows causing potential CSO events.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Wastewater Fund		\$ 300,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		15,000						
Construction		285,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$300,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** EXCELLENT  
**LATITUDE / LONGITUDE:** 48.111766, -123.402773  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 25 YEARS



**ABOUT THE PROJECT:**

Replacement of the air mixing system in the two digester's with draft tube mixers that utilize a pump system to mix the contents of the digester's.

**JUSTIFICATION:**

The current mixing system is inefficient and limits the volume treated to 60% of full capacity. The new process would increase digester efficiency, reduces odors, foam generation, and reduce energy by 67%.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Wastewater Fund			\$ 50,000	\$ 150,000	\$ 400,000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 150,000</b>	<b>\$ 400,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design			50,000	150,000				
Construction					400,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 150,000</b>	<b>\$ 400,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$600,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.43207  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 80 YEARS

**ABOUT THE PROJECT:**

Project will repair damaged gravity sewer lines to prevent or reduce groundwater infiltration. Planned repairs include CIPP lining, foam grouting, and direct replacement.

**JUSTIFICATION:**

Groundwater infiltration in the rainy season doubles the wastewater loading at the wastewater treatment plant which increases the direct cost of wastewater treatment. Infiltration also adds to the stormwater flows causing potential CSO events.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Wastewater Fund			\$ 300,000						
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design			15,000					
Construction			285,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 300,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.111766, -123.402773  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 50 YEARS



**ABOUT THE PROJECT:**

The Waste Water Treatment Plant potable water connection needs upgrade. The current back flow prevention system needs to be upgraded to an "Air-Gap" style per regulation.

**JUSTIFICATION:**

Regulation requires an Air-Gap between potable water connections and Waste Water Treatment Plant Process Connections. The plant currently has back flow prevention but is lacking an Air-Gap device.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Wastewater Fund			\$ 25,000	\$ 50,000				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design			15,000					
Construction			10,000	50,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$75,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.132478, -123.476869  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 50 YEARS



### ABOUT THE PROJECT:

The project would install a flow diversion structure at the intersection of N St. and Milwaukee Dr. and a parallel sanitary sewer line from the flow diversion structure to a manhole in Crown Park North of the 4th St. + Evans Ave intersection (1650LF of 12" sanitary sewer, sewer model to confirm pipe size).

### JUSTIFICATION:

The sanitary sewer gravity conveyance system along West 4th Street is under capacity, resulting in sanitary sewer overflows along 4th street between N street and Evens Ave. Sanitary sewer modeling (Wastewater Comprehensive Plan task) will verify if capacity issue is due to a simple capacity problem or the result of a back water issue from the Pump Station 3 force main. Sewer flow monitoring along 4th street has indicated that wet weather flow rates are 6 times higher than dry weather flow, as development pressure increases in the WUGA this new conveyance will likely be a necessity.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund			\$ 75,000	\$ 425,000				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 75,000</b>	<b>\$ 425,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design			75,000					
Construction				425,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 75,000</b>	<b>\$ 425,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$500,000**



# SANITARY FORCE MAIN RELOCATE (LEES CREEK) WW0520

**PROJECT STATUS:** PRE-PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.104580, -123.382775  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 50 YEARS



## ABOUT THE PROJECT:

WSDOT is planning a fish barrier removal project to modify the Lees Creek bridge support structure for fish habitat. This modification requires the 12" Sanitary Force Main to be bypassed during construction and relocated once the construction is complete.

## JUSTIFICATION:

WSDOT's fish barrier removal project on Lees Creek will modify Lee's Creek bridge with new pilings and construction through the current Sanitary Force Main Location. The Sanitary force main will have to be bypassed during construction and incorporated into the new bridge design. The new bridge section will have an earthen layer between the bridge structure and the road surface for utilities to be located.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Wastewater Fund				\$ 200,000				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design			0					
Construction			0	200,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$200,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** EXCELLENT  
**LATITUDE / LONGITUDE:** 48.120734, -123.434538  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 80 YEARS

**ABOUT THE PROJECT:**

**ABOUT THE PROJECT:**

Reduces and/or eliminates surface water flow entering the wastewater system at prioritized locations. Project will separate out stormwater from wastewater in the existing CSO system by extending the Front Street stormwater system, up Oak Street, east on the alley between Oak and Laurel Streets.



**JUSTIFICATION:**

The Washington State Department of Ecology mandates that after the completion of the CSO Phase I, the City is limited to one outfall event per year. This project provides additional assurance that the allowed number of CSO events will not be exceeded.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Wastewater Fund	\$ 25,000			\$ 25,000	\$ 225,000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 25,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 225,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design				25,000				
Construction					250,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 250,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$275,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** EXCELLENT  
**LATITUDE / LONGITUDE:** 48.119151, -123.433451  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 80 YEARS

**ABOUT THE PROJECT:**

Reduces and/or eliminates surface water flow entering the wastewater system at prioritized locations. Project will separate out stormwater from wastewater in the existing CSO system from First Street to prevent stormwater from entering the wastewater system.



**JUSTIFICATION:**

The Washington State Department of Ecology mandates that after the completion of the CSO Phase I, the City is limited to one outfall event per year. This project provides additional assurance that the allowed number of CSO events will not be exceeded.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Wastewater Fund	\$ 25,000			\$ 25,000	\$ 225,000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 25,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 225,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design				25,000				
Construction					250,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 250,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$275,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.43207  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 80 YEARS

**ABOUT THE PROJECT:**

Project will repair damaged gravity sewer lines to prevent or reduce groundwater infiltration. Planned repairs include CIPP lining, foam grouting, and direct replacement.

**JUSTIFICATION:**

Groundwater infiltration in the rainy season doubles the wastewater loading at the wastewater treatment plant which increases the direct cost of wastewater treatment. Infiltration also adds to the stormwater flows causing potential CSO events.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Wastewater Fund				\$ 300,000				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design				15,000				
Construction				285,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 300,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** EXCELLENT  
**LATITUDE / LONGITUDE:** 48.111766, -123.402773  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 20 YEARS



### ABOUT THE PROJECT:

The existing boiler at the Wastewater Treatment Plant is 22 years old and requires regular, costly maintenance. The project will replace the boiler with a smaller, more efficient boiler to be located in a different location. This will require changes to the steam lines to the digesters and will result in lower energy losses in the steam conveyance system.

### JUSTIFICATION:

Failure to replace the existing boiler will result in higher maintenance costs as the boiler ages.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Wastewater Fund				\$ 45,000	\$ 70,000				
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 45,000</b>	<b>\$ 70,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction				45,000	70,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 45,000</b>	<b>\$ 70,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$115,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.43207  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 80 YEARS

**ABOUT THE PROJECT:**

Project will repair damaged gravity sewer lines to prevent or reduce groundwater infiltration. Planned repairs include CIPP lining, foam grouting, and direct replacement.

**JUSTIFICATION:**

Groundwater infiltration in the rainy season doubles the wastewater loading at the wastewater treatment plant which increases the direct cost of wastewater treatment. Infiltration also adds to the stormwater flows causing potential CSO events.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Wastewater Fund					\$ 300,000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design					15,000			
Construction					285,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 300,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.43207  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 80 YEARS

**ABOUT THE PROJECT:**

Project will repair damaged gravity sewer lines to prevent or reduce groundwater infiltration. Planned repairs include CIPP lining, foam grouting, and direct replacement.

**JUSTIFICATION:**

Groundwater infiltration in the rainy season doubles the wastewater loading at the wastewater treatment plant which increases the direct cost of wastewater treatment. Infiltration also adds to the stormwater flows causing potential CSO events.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Wastewater Fund						\$ 300,000		
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design						15,000		
Construction						285,000		
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 300,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.1215208, -123.436617  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 50 YEARS



### ABOUT THE PROJECT:

During the design of the Pump Station 3 Replacement Project, Kennedy Jenks concluded that the Pump Station 3 force main presented the greatest risk to the wastewater conveyance system after the Replacement of Pump Station #3. The Pump Station #3 force main is over 50 years old, is hydraulically limited during wet weather flows, and presents a vulnerability risk in the conveyance system between the west side service area and CoPA Pump Station #4. Kennedy Jenks evaluated the feasibility of pipe bursting and Open Trench Construction for this Force Main. Open Trench Construction for a parallel force main was determined to be more expensive than pipe bursting, however provided greater long term benefit to the City. The second force main provides redundancy that may be beneficial in an emergency situation. The existing force main could be rehabilitated in the future using "in situ methods such as CIPP.

### JUSTIFICATION:

The existing Pump Station 3 force main is reaching the end of its service life. The second force main would provide redundancy that may be beneficial in an emergency situation. Increasing Pump Station 3's force main capacity is necessary in order to address wet weather overflows on Marine Drive, the risk of wet weather overflows will only increase with additional development pressure on the west side of town, and the western urban growth area.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Wastewater Fund		\$ 0						\$ 200,000	\$ 2,000,000
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 2,000,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design							200,000	
Construction								2,000,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 2,000,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$2,200,000**



# WASTEWATER UNFUNDED CAPITAL PROJECTS

Projects identified as necessary, but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding, allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

## PUMP STATION #5 REHABILITATION

WW0415

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.117105, -123.431624  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 40 YEARS  
**ESTIMATED TOTAL PROJECT COST:** UNKNOWN

### ABOUT THE PROJECT:

The project will construct a new manhole on Lincoln Street, increase the pump capacity, and increase the storage capacity of the pump station. Construction of the new manhole at 2nd and Lincoln Streets will be done by the CSO Phase II contractor at the same time they reconstruct CSO 8 one half a block north. Combining the two projects will decrease the overall cost of the pump station replacement.



### JUSTIFICATION:

Failure to replace the pump station and pipelines which have limited capacity will continue to cause pump inefficiencies and sewer backup into Peabody Creek.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.091064, -123.425336  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 25 YEARS  
**ESTIMATED TOTAL PROJECT COST:** UNKNOWN

**ABOUT THE PROJECT:**

The project will pre-treat influent to pump station #6 (Church St and McDougal St).



**JUSTIFICATION:**

Failure to improve the pump station and pipelines which have limited capacity will continue to cause pump inefficiencies and sewer backup into a tributary of Peabody Creek.

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.111766, -123.402773  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 80 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$550,000

**ABOUT THE PROJECT:**

Replace two original 75 HP blowers with 50 HP blowers, the City will keep one existing 75 HP blower for backup. Estimated annual savings of \$12,000 per year for reduction of electric usage when the project is funded.



**JUSTIFICATION:**

Allows the Wastewater Treatment Plant to have a back up blower and saves energy by reducing horse power.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.1154, -123.4058  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 25 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$225,000



**ABOUT THE PROJECT:**  
 This project removes the abandoned sewer force main that crosses Ennis Creek.

**JUSTIFICATION:**  
 The abandoned existing force main acts as a fish barrier passage. This project will be completed with the Ennis Creek Culvert Replacement Project (TR0314) which was submitted to the North Olympic Peninsula Lead entity group for a Salmon Recovery Fund Board Grant. The Ennis Creek Culvert Project ranked high for grant funding. As a condition to the grant funding the abandoned existing force main must be removed. The City is required to match 12.5% of the project costs including past projects. The City will be able to use the bridge installed over during CSO Phase I as part of matching funds.

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.111766, -123.4102773  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 25 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$1,500,000

**ABOUT THE PROJECT:**  
 Construction of a rotary screen thickener at the head of the solids processing system, allowing a .5% thickening to increase to 5% thickening. This is a follow up project to WW0508 Digester Mixing Improvement WWTP. The project involves concentrating the sludge from the secondary clarifiers, improvements will reduce water usage by an estimated 20,000 gallons per day.

**JUSTIFICATION:**  
 Increase in thickness improves the efficiencies of both the digesters and the sludge storage tank.



# 1ST & 2ND STREET ALLEY SEWER SEPARATION

WW1115

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.120447662, -123.43782844  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 80 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$120,000



## ABOUT THE PROJECT:

Reduces and/or eliminates surface water flow entering the wastewater system at prioritized locations. Project will separate out stormwater from wastewater in the existing CSO system on First Street to prevent stormwater from entering the wastewater system at Pump Station #2.

## JUSTIFICATION:

The Washington State Department of Ecology mandates that after the completion of the CSO Phase I, the City is limited to one outfall event per year. This project provides additional assurance that the allowed number of CSO events will not be exceeded.

# SHANE PARK SEWER SEPARATION

WW1215

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.124039, -123.462745  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 80 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$280,000



## ABOUT THE PROJECT:

Reduces and/or eliminates surface water flow entering the wastewater system at prioritized locations. Project will separate out stormwater from wastewater in the existing CSO system by preventing groundwater from entering the wastewater mains under Shane Park.

## JUSTIFICATION:

The Washington State Department of Ecology mandates that after the completion of the CSO Phase I, the City is limited to one outfall event per year. This project provides additional assurance that the allowed number of CSO events will not be exceeded.



# PINE HILL SEWER SEPARATION

WW1315

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.120917, -123.442812  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 80 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$275,000

## ABOUT THE PROJECT:

The sewer system in the Pine Hill neighborhood is aging, and surface runoff enters a number of sewer manholes at alley locations and at the wastewater manholes situated in the street gutters. The volume is enough to impact downstream pump stations. This project will restore integrity of existing manholes and pipes, potentially by lining them.



## JUSTIFICATION:

Minimize surface water intrusion into the wastewater system to improve system efficiency and capacity.

# BIOSOLID PYROLYSIS

WW0119

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.131198, -123.518793  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 30 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$4,000,000

## ABOUT THE PROJECT:

Pyrolysis is a viable biosolids management technology to mitigate the discharge of micropollutants to the environment when land applying biosolids. This process adds to the dewatered biosolids to create bio-char. Expected funding from State or Federal grant opportunities. Subject to further analysis of operational benefits.



## JUSTIFICATION:

Further reduction of wastewater biosolid output in the compost.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.107221, -123.426739  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 40 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$50,000



**ABOUT THE PROJECT:**

This project will make the needed repairs and maintenance to the sewer trestle that crosses Peabody Creek in the Francis Street public right-of-way.

**JUSTIFICATION:**

In 2017 Sargent Engineering consultants performed an inspection of the sewer trestle and noted several defects. Failure to make these repairs could result in a main break and release of raw sewage into Peabody Creek.

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.111857, -123.403422  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$120,000



**ABOUT THE PROJECT:**

The Waste Water Treatment Plant Septic Truck Receiving station asphalt pad is settling. This project will replace the asphalt pad with a concrete pad.

**JUSTIFICATION:**

The Asphalt pad currently used to receive Septic Trucks for unloading is settling. Waste Water process lines under this pad are at risk. The project will excavate the area, fill, compact and install a new concrete pad.



CITY OF PORT ANGELES



2021 - 2026  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN



# COMBINED SEWER OVERFLOW



# CSO FUND CAPITAL FACILITY PLAN

CFP YEAR: 2021 - 2026  
 MANAGER: JONATHAN BOEHME  
 CONTACT: JBOEHME@CITYOFPA.US  
 PHONE: 360-417-4803

**CSO FUND GOALS AND OBJECTIVES:**

Phases I & II of the Washington State Dept of Ecology mandated combined sewer overflow reduction plan are complete. The work remaining is to configure monitoring at CSO 6 and the pigging bypass needed at CSO 10.

This fund is also used as the debt payment fund for the CSO project with rates accumulating into the fund for payment of the CSO loan debt.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Wastewater CSO Rates	\$ 43,400	\$ -	\$ 190,000	\$ 15,000	\$ 150,000	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 43,400</b>	<b>\$ -</b>	<b>\$ 190,000</b>	<b>\$ 15,000</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2020	2021	2022	2023	2024	2025	2026
Design	-	-	-	15,000	-	-	-	-
Construction	43,400	-	190,000	-	150,000	-	-	-
<b>TOTAL</b>	<b>\$ 43,400</b>	<b>\$ -</b>	<b>\$ 190,000</b>	<b>\$ 15,000</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2020	2021	2022	2023	2024	2025	2026
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	7,600	7,600	15,936	15,936	15,936
Debt payments	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,600</b>	<b>\$ 7,600</b>	<b>\$ 15,936</b>	<b>\$ 15,936</b>	<b>\$ 15,936</b>

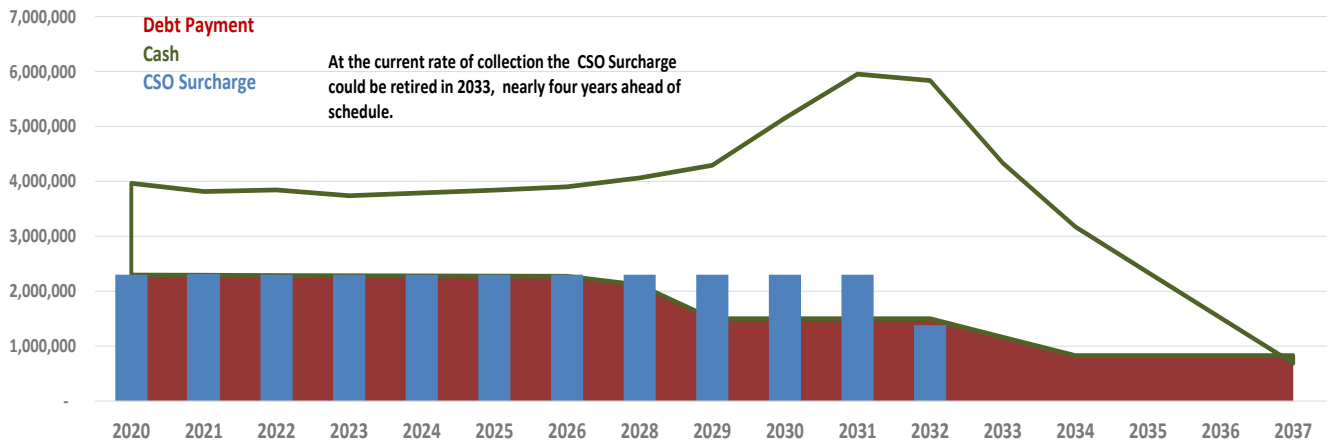


# COMBINED SEWER OVERFLOW PROJECT LIST & CASH FLOW

Number	CSO PROJECTS Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
						2021	2022	2023	2024	2025	2026
<b>COMBINED SEWER OVERFLOW</b>											
WW0117	Francis Street Pigging Bypass	1	190,000	-	-	190,000	-	-	-	-	-
WW0316	CSO 6 and 7 Reconstruction	2	208,400	43,400	-	-	15,000	150,000	-	-	-
<b>Total</b>			<b>398,400</b>	<b>43,400</b>	<b>-</b>	<b>190,000</b>	<b>15,000</b>	<b>150,000</b>	<b>-</b>	<b>-</b>	<b>-</b>

CASH FLOW ANALYSIS	2020	2021	2022	2023	2024	2025	2026
Beginning Cash Balance	1,633,344	1,671,044	1,525,944	1,556,844	1,457,144	1,509,244	1,566,244
<b>Funding sources:</b>							
CSO fee	2,301,900	2,301,900	2,301,900	2,301,900	2,301,900	2,301,900	2,301,900
Interest Earnings	30,000	33,400	30,500	31,100	29,100	30,200	31,300
<b>Funding sources:</b>							
Accrual/Deferral effect on payments	-	-	-	-	-	-	-
Grants	-	-	-	-	-	-	-
Loan Proceeds/Add'l Interest	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
<b>Spending:</b>							
Debt Payments (projected)	2,294,200	2,290,400	2,286,500	2,282,700	2,278,900	2,275,100	2,271,300
Project costs	-	190,000	15,000	150,000	-	-	-
<b>Ending Cash Balance</b>	<b>1,671,044</b>	<b>1,525,944</b>	<b>1,556,844</b>	<b>1,457,144</b>	<b>1,509,244</b>	<b>1,566,244</b>	<b>1,628,144</b>

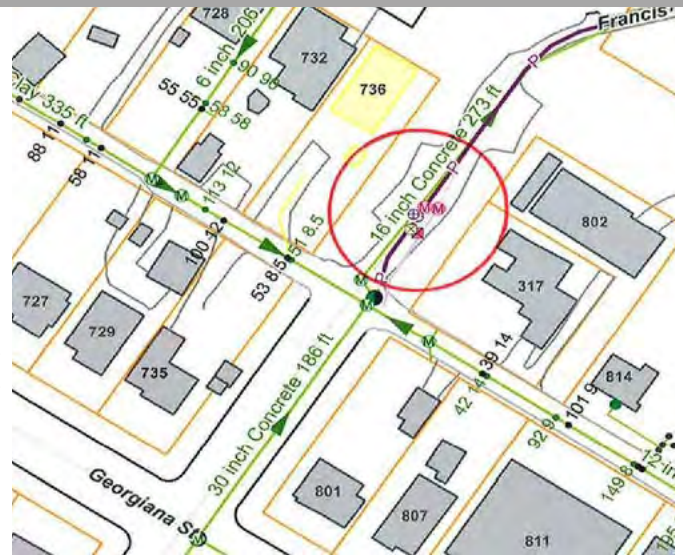
Funding for CSO projects is included in the Wastewater projects cash flow.



Cash Balance continues to grow allowing for the surcharge to be discontinued early.



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.1162, -123.4186  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 25 YEARS



**ABOUT THE PROJECT:**

The project will evaluate the need for bypass piping around the Francis Street pigging port installed with CSO Phase I, make any necessary revisions and perform pigging.

**JUSTIFICATION:**

This bypass line will allow for necessary sewer main maintenance on the new 36" piping in the Francis Street siphon line to the Wastewater Treatment Plant. Without the bypass piping the new pigging port at Francis is not operational. This work was scheduled to be performed during CSO Phase II; however, the existing line could not be located at the bottom of Francis Street Park.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves CSO Fund			\$ 190,000						
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 190,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction			190,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 190,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$190,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** GOOD  
**LATITUDE / LONGITUDE:** 48.121150578, -123.4329353542  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 25 YEARS



**ABOUT THE PROJECT:**

The project will construct new combined sewer overflow (CSO) measuring stations at CSO 7 located at the intersection of Laurel Street and Railroad Avenue. CSO 6, located at the intersection of Oak Street and Railroad Avenue, has been plugged, and is inactive. The current stations are located in manholes constructed in 1967. The manholes were never designed to accommodate modern instrumentation, and there are irregularities that do not allow for accurate CSO measurement at all times.



**JUSTIFICATION:**

Accurate measurement of CSO's is required by the wastewater system NPDES permit, and is the most important performance measurement for the CSO Reduction Program improvements.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves CSO Fund	\$ 43,400			\$ 15,000	\$ 150,000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 43,400</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 15,000</b>	<b>\$ 150,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design				15,000				
Construction	43,400				150,000			
<b>TOTAL</b>	<b>\$ 43,400</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 15,000</b>	<b>\$ 150,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$208,400**



CITY OF PORT ANGELES



2021 - 2026  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN

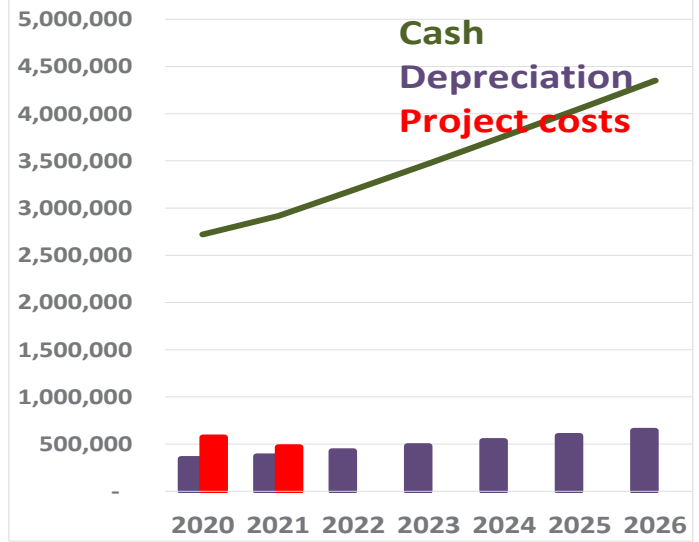


# SOLID WASTE



# SOLID WASTE FUND CAPITAL FACILITY PLAN

CFP YEAR: 2021 - 2026  
 MANAGER: JONATHAN BOEHME  
 CONTACT: JBOEHME@CITYOFPA.US  
 PHONE: 360-417-4803



**SOLID WASTE FUND GOALS AND OBJECTIVES:**  
 To maintain and provide capital assets for the Solid Waste fund, including the transfer station, collections and post closure requirements.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Solid Waste Reserves	\$ 2,500	\$ 408,000	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	22,600	82,000	392,300	-	-	-	-	-
Bonds use of excess bonds	80,000	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 105,100</b>	<b>\$ 490,000</b>	<b>\$ 467,300</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2020	2021	2022	2023	2024	2025	2026
Design	25,100	185,000	-	-	-	-	-	-
Construction	-	385,000	467,300	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 25,100</b>	<b>\$ 570,000</b>	<b>\$ 467,300</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2020	2021	2022	2023	2024	2025	2026
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation/ amortization	-	7,864	27,530	54,426	54,426	54,426	54,426	54,426
Other	-	-	-	-	-	-	-	-
Debt payment	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 7,864</b>	<b>\$ 27,530</b>	<b>\$ 54,426</b>	<b>\$ 54,426</b>	<b>\$ 54,426</b>	<b>\$ 54,426</b>	<b>\$ 54,426</b>



# SOLID WASTE PROJECT LIST & CASH FLOW

Number	SOLID WASTE PROJECTS Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
						2021	2022	2023	2024	2025	2026
SW0112	Decant Facility at Transfer Station	A	672,400	25,100	180,000	467,300	-	-	-	-	-
SW0117	Landfill Operating Software	A	200,000	-	200,000	-	-	-	-	-	-
SW0120	Landfill Pump Station 17 Repair	1	190,000	-	190,000	-	-	-	-	-	-
SW0218	Landfill Security Fencing	UF	200,000	-	-	-	-	-	-	-	-
<b>Total</b>			<b>1,262,400</b>	<b>25,100</b>	<b>570,000</b>	<b>467,300</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

CASH FLOW ANALYSIS	2020	2021	2022	2023	2024	2025	2026
Beginning Cash Balance	2,932,304	2,720,904	2,917,304	3,192,304	3,473,204	3,760,904	4,052,804
Landfill Surcharge*	1,361,000	1,361,000	1,361,000	1,361,000	1,361,000	1,361,000	1,361,000
<b>Funding sources:</b>							
Solid Waste Rates	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Grants	82,000	392,300	-	-	-	-	-
Bonds (net used & paid)	(1,193,000)	(1,194,000)	(1,194,300)	(1,193,900)	(1,192,800)	(1,194,300)	(1,194,500)
General Fund	-	-	-	-	-	-	-
Donations	-	-	-	-	-	-	-
Interest Income	58,600	54,400	58,300	63,800	69,500	75,200	81,100
<b>Spending:</b>							
Project Cost	(570,000)	(467,300)	-	-	-	-	-
<b>Ending Cash Balance</b>	<b>2,720,904</b>	<b>2,917,304</b>	<b>3,192,304</b>	<b>3,473,204</b>	<b>3,760,904</b>	<b>4,052,804</b>	<b>4,350,404</b>
<b>Depreciation</b>	<b>342,297</b>	<b>369,827</b>	<b>424,253</b>	<b>478,680</b>	<b>533,106</b>	<b>587,532</b>	<b>641,959</b>
<b>Cash/Depreciation</b>	<b>7.95</b>	<b>7.89</b>	<b>7.52</b>	<b>7.26</b>	<b>7.05</b>	<b>6.90</b>	<b>6.78</b>

PROJECTS COMPLETED IN 2018	Actual	Budget
SW0217 Landfill Flare Replacement	157,274	198,500
<b>TOTAL COMPLETED PROJECTS</b>	<b>157,274</b>	<b>198,500</b>

Completed projects are not included in the ongoing project totals for expenditures or revenues.



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.131198, -123.518793  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 25 YEARS



## ABOUT THE PROJECT:

Design and construct a decant facility to handle street sweepings, stormwater catch basin debris, wastewater soils, and water soils. This facility helps to prevent pollutants such as suspended sediment, heavy metals, nutrients, and trash from entering the Port Angeles Harbor and the Salish Sea, the larger facility footprint will enable the City to process an additional 2,500 cubic yards of decant material per year. Liquids from dewatering would then be discharged into the sanitary sewer for further treatment at the Wastewater Treatment Plant. Solids would be stockpiled and turned as needed for aeration and drying. Funding is available in the form of a grant from Department of Ecology (DOE) in the amount of \$474,300 with a city match of 15% from the solid waste reserves in the amount \$83,700. An additional \$35,000 from solid waste reserves will be allocated for the purchase of property in the 2020 construction budget. Only the stormwater portions of the facility are grant eligible, in order to fund design & construction of water and wastewater portions of the facility, the respective utilities are contributing \$200,000 each from projects WT0419, DR0120, & WW0519 (in those funds).

## JUSTIFICATION:

The Transfer Station is a closed landfill cell with a stormwater detention pond and without proper handling the runoff could contaminate local water tables, streams, and the Straits of Juan de Fuca, in violation of our NPDES permit. Additional funding is available in the Water, Wastewater, and Stormwater capital funds, projects WT0419, DR0120 and WW0519.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Solid Waste Fund	\$ 2,500	\$ 98,000	\$ 75,000						
Grants	22,600	82,000	392,300						
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 25,100</b>	<b>\$ 180,000</b>	<b>\$ 467,300</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design	25,100	145,000						
Construction		35,000	467,300					
<b>TOTAL</b>	<b>\$ 25,100</b>	<b>\$ 180,000</b>	<b>\$ 467,300</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$672,400**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.125838, -123.51828  
**PROJECT MANAGER:** TOM MCCABE  
**ESTIMATED LIFE:** 15 YEARS

**ABOUT THE PROJECT:**

The Unitec billing system at the landfill has reached the end of its lifespan and must be replaced. This replacement will include component and software upgrades, with equipment purchased through an inter local agreement with the City of Seattle.

**JUSTIFICATION:**

The current system will become obsolete due to the age of the system. Current software is not supported and can no longer receive updates. Unitec no longer provides the software and hardware for the existing system. The IT governance committee has named this project as a top priority for 2020. Without upgrades to the system the transfer station will be unable to charge or bill for services.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Solid Waste Fund		\$ 120,000						
Grants								
Bonds	80,000							
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 80,000</b>	<b>\$ 120,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		200,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 200,000**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.131246, -123.516390  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 30 YEARS +



**ABOUT THE PROJECT:**

Consultant to perform pump station and force main inspection/evaluation. Results of the inspection/evaluation will dictate scope of PS17 repair work. Facility upgrade will include a standby emergency generator. Funding split between Transfer Station and Post-Closure.

**JUSTIFICATION:**

Pump Station 17 's pumps are not able to maintain a sufficient flow rate to prevent a sanitary sewer overflow during wet weather. Staff observations indicate potential issues with the force main or pumps. Pump Station 17 was going to be evaluated as part of the Wastewater comprehensive plan, however the intended timeline may no longer be suitable. Project may require hiring a consultant for expedited evaluation, design, and/or repair work.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund		\$ 190,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 190,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		40,000						
Construction		150,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 190,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$190,000**



# SOLID WASTE UNFUNDED CAPITAL PROJECTS

Projects identified as necessary, but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding, allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

## LANDFILL SECURITY FENCING

SW0218

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.127506, -123.518855  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 20 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$200,000

### ABOUT THE PROJECT:

The purpose of the fence is to provide security to the Port Angeles Regional Transfer Station. This project will consist of furnishing and installing a six foot tall chain link fence type three with barbwire arms.

### JUSTIFICATION:

To prevent trespass of neighboring property.



CITY OF PORT ANGELES



2021 - 2026  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN

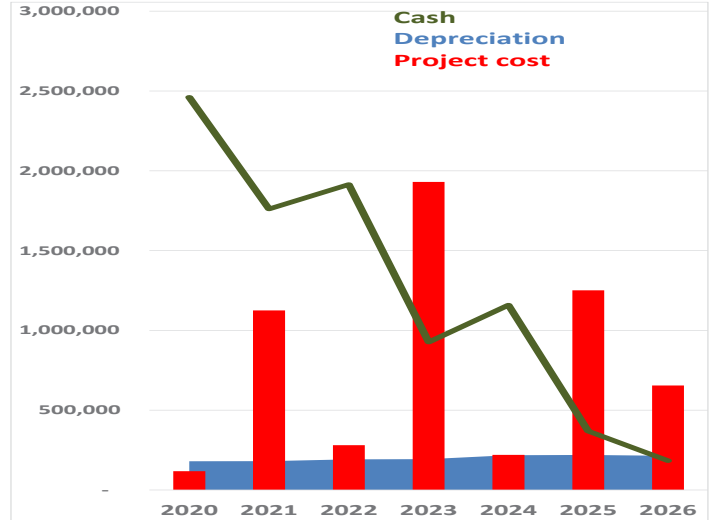


# STORMWATER



# STORMWATER FUND CAPITAL FACILITY PLAN

CFP YEAR: 2021 - 20256  
 MANAGER: JONATHAN BOEHME  
 CONTACT: JBOEHME@CITYOFPA.US  
 PHONE: 360-417-4803



## STORMWATER FUND GOALS AND OBJECTIVES: To build and manage stormwater drainage within the City.

PROJECTS COMPLETED IN 2019	Actual	Budget
DR0118 10th Street Stormwater	328,235	387,300
DR0319 Lauridsen Blvd Stormwater	25,300	25,300
<b>TOTAL COMPLETED PROJECTS</b>	<b>353,535</b>	<b>412,600</b>

Completed projects are not included in the ongoing project totals for expenditures or revenues.

FUNDING SOURCES	PRIOR YEARS	Budget 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Capital Reserves	\$ 4,500	\$ 118,000	\$ 1,125,000	\$ 281,000	\$ 1,430,000	\$ 220,000	\$ 1,251,000	\$ 655,000
Grants	-	-	-	-	500,000	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 4,500</b>	<b>\$ 118,000</b>	<b>\$ 1,125,000</b>	<b>\$ 281,000</b>	<b>\$ 1,930,000</b>	<b>\$ 220,000</b>	<b>\$ 1,251,000</b>	<b>\$ 655,000</b>

EXPENDITURES	Prior	2020	2021	2022	2023	2024	2025	2026
Design	4,500	118,000	110,000	281,000	-	220,000	151,000	-
Construction	-	-	1,015,000	-	1,930,000	-	1,100,000	655,000
<b>TOTAL</b>	<b>\$ 4,500</b>	<b>\$ 118,000</b>	<b>\$ 1,125,000</b>	<b>\$ 281,000</b>	<b>\$ 1,930,000</b>	<b>\$ 220,000</b>	<b>\$ 1,251,000</b>	<b>\$ 655,000</b>

OTHER OPERATING COSTS	Prior	2020	2021	2022	2023	2024	2025	2026
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	2,094	21,919	25,431	49,556	52,306	67,944
Other	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,094</b>	<b>\$ 21,919</b>	<b>\$ 25,431</b>	<b>\$ 49,556</b>	<b>\$ 52,306</b>	<b>\$ 67,944</b>



# STORMWATER PROJECT LIST & CASH FLOW

STORMWATER PROJECTS					CAPITAL FACILITIES PLAN						
Number	Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2020	2021	2022	2023	2024	2025	2026
DR0213	H Street Stormwater Outfall	A	560,000	4,500	5,500	550,000	-	-	-	-	-
DR0215	Francis Street Outfall Repair	A	65,000	-	25,000	40,000	-	-	-	-	-
DR0120	Decant Facility at Transfer Station - Stormwater Soils Decant Bays	A	200,000	-	25,000	175,000	-	-	-	-	-
DR0119	N Street Outfall Improvement	1	312,500	-	62,500	250,000	-	-	-	-	-
DR0804	Lincoln Park/Big Boy Pond Study	2	110,000	-	-	110,000	-	-	-	-	-
DR0404	Stormwater at Canyon Edge & Ahlvers	3	3,560,000	-	-	-	260,000	1,300,000	-	-	-
DR0117	Peabody Street Water Quality Project	4	651,000	-	-	-	21,000	630,000	-	-	-
DR0115	Liberty Street Stormwater Improvement	5	2,520,000	-	-	-	-	-	220,000	1,100,000	-
DR0304	Stormwater at Laurel Street & US 101	6	660,000	-	-	-	-	-	-	110,000	550,000
DR0219	Outfall to Creek Improvement Program	7	146,000	-	-	-	-	-	-	41,000	105,000
DR0112	Valley Creek Culvert & Outfall	UF	910,000	-	-	-	-	-	-	-	-
<b>Total</b>			<b>9,694,500</b>	<b>4,500</b>	<b>118,000</b>	<b>1,125,000</b>	<b>281,000</b>	<b>1,930,000</b>	<b>220,000</b>	<b>1,251,000</b>	<b>655,000</b>

CASH FLOW ANALYSIS	2020	2021	2022	2023	2024	2025	2026
Beginning Cash Balance	2,178,493	2,460,493	1,760,493	1,913,493	926,493	1,158,493	368,493
<b>Funding sources:</b>							
Utilities Reserves*	400,000	425,000	434,000	443,000	452,000	461,000	470,000
Grants	-	-	-	500,000	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>Spending:</b>							
Project cost	(118,000)	(1,125,000)	(281,000)	(1,930,000)	(220,000)	(1,251,000)	(655,000)
<b>Ending Cash Balance</b>	<b>2,460,493</b>	<b>1,760,493</b>	<b>1,913,493</b>	<b>926,493</b>	<b>1,158,493</b>	<b>368,493</b>	<b>183,493</b>

<b>Depreciation</b>	<b>179,604</b>	<b>180,753</b>	<b>191,760</b>	<b>192,917</b>	<b>217,534</b>	<b>219,423</b>	<b>214,280</b>
<b>Depreciation to Cash Ratio</b>	<b>13.70</b>	<b>9.74</b>	<b>9.98</b>	<b>4.80</b>	<b>5.33</b>	<b>1.68</b>	<b>0.86</b>



**PROJECT STATUS:** DESIGN  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.127391, -123.464129  
**PROJECT MANAGER:** VINCE MCINTYRE  
**ESTIMATED LIFE:** 80 YEARS



### ABOUT THE PROJECT:

Identify an alternate alignment for stormwater currently conveyed through an undersized, failing storm pipe between Marine Drive and a salt water outfall to reduce flooding in the Crown Park neighborhood. This project will connect to a new surface stake pipe installed with the 4th Street Stormwater Project to alleviate pressure on the existing system. Pipe alignment options have been evaluated in determining the preferred route. To minimize excavation in a culturally sensitive area, the abandoned industrial waterline (IWL) will be used to convey runoff easterly to a new engineered outfall at the Boat Haven. Localized runoff from Marine Drive and groundwater discharging at the bluff toe will also be included in the design and directed into the IWL.

Localized runoff from Marine Drive and groundwater discharging at the bluff toe will also be included in the design and directed into the IWL.

### JUSTIFICATION:

Decrease residential flooding, eliminate dependency on a failing pipe network, and reduce maintenance and repair costs.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Stormwater Fund	\$ 4,500	\$ 555,500						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 4,500</b>	<b>\$ 555,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design	4,500	5,500						
Construction		550,000						
<b>TOTAL</b>	<b>\$ 4,500</b>	<b>\$ 555,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$560,000**



**PROJECT STATUS:** DESIGN  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.116354, -123.418302  
**PROJECT MANAGER:** VINCE MCINTYRE  
**ESTIMATED LIFE:** 80 YEARS



**ABOUT THE PROJECT:**

The existing stormwater outfall at Francis St. is almost entirely submerged under beach sediments and should be upgraded to restore flow capacity and to meet current Washington Dept. of Fish and Wildlife standards. Rather than a pipe extending into the tidelands, current standards require energy dissipation, which will be located on the rip-rap bank. The restoration of outfall capacity is needed to allow upstream connections and development without causing localized flooding.

**JUSTIFICATION:**

The current outfall pipe is plugged and stormwater exits through holes in the pipe along the beach. The capacity is not adequate to handle large stormwater discharge events.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Stormwater Fund	\$ 0	\$ 25,000	\$ 40,000						
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 40,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		25,000						
Construction			40,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 40,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$65,000**



# DECANT FACILITY AT TRANSFER STATION - STORMWATER SOILS DECANT BAYS

DR0120

**PROJECT STATUS:** DESIGN  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.125827, -123.520709  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 25 YEARS

**ABOUT THE PROJECT:**

This project is the Stormwater Utility's \$200,000 contribution toward the SW0112 Decant Facility at Transfer Station Project which is scheduled to design and construct a new decant facility capable of managing street sweepings, stormwater catch basin debris, and saturated soils from utility main breaks and excavations. This facility will help to prevent pollutants such as suspended solids, heavy metals, nutrients, and trash from entering, our local creeks, the Port Angeles Harbor and the Salish Sea. The footprint of this new facility will enable the City to process an additional 2,500 cubic yards of decant material per year. Liquids from dewatering will be discharged into the sanitary sewer for treatment at the Wastewater Treatment Plant. Solids will be stockpiled and turned as needed for aeration and drying. Funding is available in the form of a grant from Ecology in the amount of \$474,300 with a city match of 15% from the solid waste reserves budget. Equal supplemental contributions of \$200,000 from the stormwater, water, and wastewater utilities are necessary to fully fund design and construction of the facility.



**JUSTIFICATION:**

The Transfer Station is a closed landfill cell with a stormwater detention pond and without proper handling the runoff could contaminate local water tables, streams, and the Straits of Juan de Fuca, in violation of our NPDES permits.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Stormwater Fund		\$ 25,000	\$ 175,000						
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 175,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		25,000						
Construction			175,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 175,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 200,000**



**PROJECT STATUS:** DESIGN  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.132323, -123.478982  
**PROJECT MANAGER:** VINCE MCINTYRE  
**ESTIMATED LIFE:** 80 YEARS

**ABOUT THE PROJECT:**

Approximately 400 acres of residentially zoned property contributes to stormwater runoff to this outfall that currently discharges at the top of a marine bluff. This upgrade will include tightlining the existing outfall to the toe of the bluff, installing an engineered diffuser/ dispersion tee, anchoring the tee and, where necessary, installing armoring and/or plantings to minimize further erosion. This project will also install an upstream structure to capture solids to prevent clogging of the downstream dispersion tee and facilitate future inspection and maintenance of the outfall.

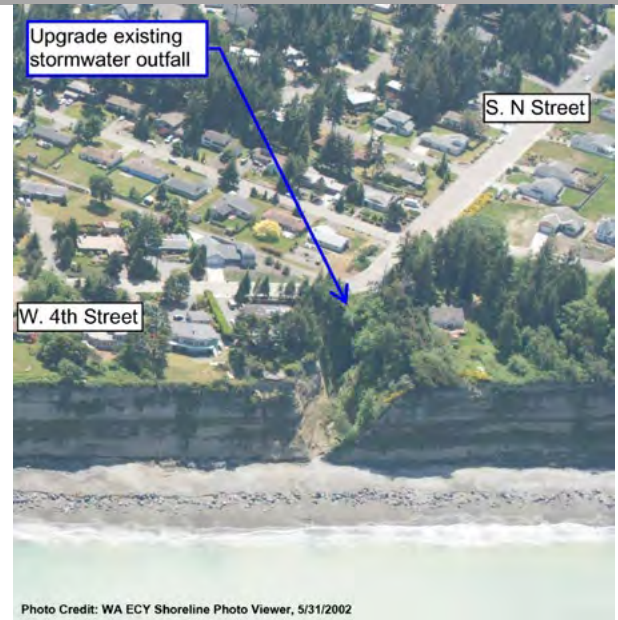


Photo Credit: WA ECY Shoreline Photo Viewer, 5/31/2002

**JUSTIFICATION:**

Upgrade historic outfall to current standards, minimize future localized erosion, allow access for monitoring and maintenance. This project has been placed higher on the priority list due to minor slide events that occurred during the 2019-2020 wet season.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Stormwater Fund		\$ 62,500	\$ 250,000						
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 62,500</b>	<b>\$ 250,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		62,500						
Construction			250,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 62,500</b>	<b>\$ 250,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$312,500**



**PROJECT STATUS:** PRE-PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.1155294, -123.47487  
**PROJECT MANAGER:** VINCE MCINTYRE  
**ESTIMATED LIFE:** 50 YEARS



**ABOUT THE PROJECT:**

The ponds at Lincoln Park and Big Boy Pond at Steven's Middle School are integral stormwater detention and flow control facilities that are part of a large drainage network that eventually discharges to Tumwater Creek. Occasional seasonal flooding of the Lincoln Park ball fields is necessary to prevent residential flooding around the Big Boy Pond is achieved manually via exercising flood gates. This project will perform a hydrologic analysis of the overall drainage basin, update accountability and determine ownership/responsibility of stormwater infrastructure, evaluate conveyance and pump capacity, make remedial recommendations to eliminate flooding, and prepare design documents necessary for bid and construction. Funding for construction will be dependent upon the results of this study.

**JUSTIFICATION:**

Prevent flooding in the fairground and areas west of Stevens Middle School.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Stormwater Fund			\$ 110,000						
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 110,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design			110,000					
Construction								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 110,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$110,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.094362, -123.434709  
**PROJECT MANAGER:** VINCE MCINTYRE  
**ESTIMATED LIFE:** 80 YEARS



**ABOUT THE PROJECT:**

Improve the stormwater system at Canyon Edge and Ahlvers Streets. Install new storm conveyance to route high flows to new outfall upstream of the existing Mill Creek outfall. A consultant will be selected to design the project. This is a two part project with an initial phase to alleviate the most severe conditions with the second phase in an unfunded status at \$2.0M.

**JUSTIFICATION:**

Flooding during large storms overtops the stormwater system.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Stormwater Fund				\$ 260,000	\$ 1,300,000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 260,000</b>	<b>\$ 1,300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design				260,000				
Construction					1,300,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 260,000</b>	<b>\$ 1,300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$3,560,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.113549, -123.431171  
**PROJECT MANAGER:** VINCE MCINTYRE  
**ESTIMATED LIFE:** 80 YEARS



**FILTERRA UNITS EXAMPLE**

**ABOUT THE PROJECT:**

Installation of water quality devices along Peabody Street.  
 Funded by a Washington State Department of Ecology Grant.

**JUSTIFICATION:**

Removal of pollutants such as fecal coliform from the Peabody Creek Watershed.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Stormwater Fund				\$ 21,000	\$ 130,000				
Grants					500,000				
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 21,000</b>	<b>\$ 630,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design				21,000				
Construction					630,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 21,000</b>	<b>\$ 630,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$651,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.106788, -123.414558  
**PROJECT MANAGER:** VINCE MCINTYRE  
**ESTIMATED LIFE:** 80 YEARS



**ABOUT THE PROJECT:**

Existing stormlines near Liberty Street are undersized, this project will increase the capacity of stormwater drainage at Liberty Street. Project is limited from Liberty Street to Washington Street. An additional \$1.2 million is currently unfunded.

**JUSTIFICATION:**

To prevent and help mitigate flooding issues.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Stormwater Fund						\$ 220,000	\$ 1,100,000	
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 220,000</b>	<b>\$ 1,100,000</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design						220,000		
Construction							1,100,000	
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 220,000</b>	<b>\$ 1,100,000</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$1,320,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.107408, -123.445146  
**PROJECT MANAGER:** VINCE MCINTYRE  
**ESTIMATED LIFE:** 80 YEARS



**ABOUT THE PROJECT:**

Design and construct stormwater system improvements through the intersection of Lincoln and Lauridsen with Highway 101, as well as other areas of flooding along Lauridsen and Highway 101.

**JUSTIFICATION:**

Stormwater that collects upstream of Highway 101 arrives at this area and the pipes are not large enough to properly carry the water. The water is also piped east to Peabody Creek rather than Valley Creek to the west. This is a City issue unrelated to runoff from Highway 101.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Stormwater Fund								\$ 110,000	\$ 550,000
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 110,000</b>	<b>\$ 550,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design							110,000	
Construction								550,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 110,000</b>	<b>\$ 550,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$660,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.116165, -123.446994  
**PROJECT MANAGER:** VINCE MCINTYRE  
**ESTIMATED LIFE:** 80 YEARS



**ABOUT THE PROJECT:**

Stormwater runoff within City limits is primarily collected and consolidated into stormwater mains that discharge at engineered outfalls, however, in numerous locations along City creeks, minor stormwater flows from developed hard-surface areas that naturally slope towards the creeks are collected and discharge via outfalls at the top of the steep ravines. Over time this has resulted in localized erosion and contributed to decreased water quality in our fish-bearing creeks. This project is designed to be spread out over time and reoccurring in nature until all outfalls have been appropriately upgraded to meet current stormwater management standards. The first phase of this project would be to evaluate the outfalls, prioritize them for improvement, and schedule them for upgrade. The upgrade process would consist of tightlining the existing outfall to the toe of the ravine, anchoring the pipe with surface staking and/or deadman, stabilizing the outlet with quarry spalls and, where necessary, installing erosion control measures such as blankets, seeding, and plantings.

**JUSTIFICATION:**

Minimize ravine slope destabilization and increase water quality in fish-bearing creeks.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Stormwater Fund								\$ 41,000	\$ 105,000
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 41,000</b>	<b>\$ 105,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design							41,000	
Construction								105,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 41,000</b>	<b>\$ 105,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$146,000**



# STORMWATER UNFUNDED CAPITAL PROJECTS

Projects identified as necessary but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

## VALLEY CREEK CULVERT & OUTFALL

DR0112

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.121783, -123.439159  
**PROJECT MANAGER:** VINCE MCINTYRE  
**ESTIMATED LIFE:** 80 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$910,000

### ABOUT THE PROJECT:

Replace the lower reach of the seven foot round culvert from south of the industrial waterline to the outfall. The existing culvert outfall is too low, at almost 4 feet lower than the upstream section. Approximately 130 feet will be replaced.



### JUSTIFICATION:

The low elevation causes sand and gravel to collect in the culvert, which significantly reduces culvert capacity. We currently have to remove the debris manually, which was estimated to cost \$105,000 in 2012.



# EQUIPMENT SERVICES



# EQUIPMENT SERVICES CAPITAL FACILITY PLAN

CFP YEAR: 2021 - 2026  
 MANAGERS: BRIAN COBURN  
 CONTACTS: BCOBURN@CITYOFPA.US  
 PHONE: 360-565-3860

**EQUIPMENT SERVICES FUND GOALS AND OBJECTIVES:**  
 Replacement of vehicles and operating cost associated with those vehicles.

FUNDING SOURCES	ACTUAL 2019	BUDGET 2020	CAPITAL FACILITY PLAN					
			2021	2022	2023	2024	2025	2026
Utilities	637,600	\$ 475,800	\$ 498,000	\$ 498,500	\$ 495,000	\$ 490,600	\$ 517,400	\$ 512,900
General Fund	198,900	353,700	394,000	414,000	429,500	444,500	454,500	464,500
Interest & Vehicles Sales	149,300	37,000	36,800	36,900	36,200	33,000	30,400	28,100
Internal Service Funds	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
<b>TOTAL</b>	<b>\$ 987,800</b>	<b>\$ 867,500</b>	<b>\$ 929,800</b>	<b>\$ 950,400</b>	<b>\$ 961,700</b>	<b>\$ 969,100</b>	<b>\$ 1,003,300</b>	<b>\$ 1,006,500</b>

EXPENDITURES	2019	2020	2021	2022	2023	2024	2025	2026
Other Equipment/Generators	-	-	-	-	-	-	-	-
Purchase of Vehicles	742,100	1,642,400	871,100	1,015,800	1,034,250	1,290,000	1,257,300	1,203,700
<b>TOTAL</b>	<b>\$ 742,100</b>	<b>\$ 1,642,400</b>	<b>\$ 871,100</b>	<b>\$ 1,015,800</b>	<b>\$ 1,034,250</b>	<b>\$ 1,290,000</b>	<b>\$ 1,257,300</b>	<b>\$ 1,203,700</b>

MAINTENANCE	2019	2020	2021	2022	2023	2024	2025	2026
Fuel	294,100	324,400	324,400	324,400	324,400	324,400	324,400	324,400
Parts & Repair	1,115,700	1,184,600	1,184,600	1,184,600	1,184,600	1,184,600	1,184,600	1,184,600
Equipment Rental	92,700	67,700	67,700	67,700	67,700	67,700	67,700	67,700
<b>TOTAL MAINTENANCE</b>	<b>1,502,500</b>	<b>\$ 1,576,700</b>	<b>\$ 1,576,700</b>	<b>\$ 1,576,700</b>	<b>\$ 1,576,700</b>	<b>\$ 1,576,700</b>	<b>\$ 1,576,700</b>	<b>\$ 1,576,700</b>

PROJECT EXPENDITURE LISTING BY YEAR EQUIPMENT SERVICES	ACTUAL 2019	BUDGET 2020	PROJECTED SPENDING					
			2021	2022	2023	2024	2025	2026
Finance	-	-	-	39,000	-	39,000	-	-
Community Development	-	-	-	-	-	-	-	-
Police	141,800	151,200	191,000	157,500	160,550	163,800	167,100	170,400
Fire & Medic 1	258,600	44,600	-	45,100	495,100	195,100	-	-
Parks & Recreation	105,000	-	100,100	28,500	99,600	38,900	96,700	97,200
Engineering	-	-	-	-	-	77,800	40,900	-
Light Operations	70,000	275,600	48,000	69,400	86,800	51,100	107,100	25,600
Water	-	230,200	38,800	-	127,800	38,900	-	226,200
Wastewater	65,000	-	-	-	38,800	-	38,900	11,400
Solid Waste	53,500	392,000	-	395,400	-	354,800	21,400	444,500
Stormwater	-	-	-	-	-	-	-	68,800
Conservation	-	-	-	-	-	-	-	-
Equipment Services	24,600	-	64,300	255,400	-	79,800	434,800	-
Information Technology	-	-	-	-	-	-	-	-
Streets	23,600	548,800	428,900	25,500	25,600	250,800	350,400	159,600
<b>TOTAL EXPENDITURES PROJECTED</b>	<b>742,100</b>	<b>1,642,400</b>	<b>871,100</b>	<b>1,015,800</b>	<b>1,034,250</b>	<b>1,290,000</b>	<b>1,257,300</b>	<b>1,203,700</b>

Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.

CASH FLOW ANALYSIS	ACTUAL 2019	BUDGET 2020	2021	2022	2023	2024	2025	2026
Beginning Cash Balance	4,274,153	4,519,853	3,744,953	3,803,653	3,738,253	3,665,703	3,344,803	3,090,803
Vehicle purchases	(742,100)	(1,642,400)	(871,100)	(1,015,800)	(1,034,250)	(1,290,000)	(1,257,300)	(1,203,700)
Funding sources:								
Utilities Reserves	637,600	475,800	498,000	498,500	495,000	490,600	517,400	512,900
General Fund	198,900	353,700	394,000	414,000	429,500	444,500	454,500	464,500
Sales, Interest & Grants	149,300	37,000	36,800	36,900	36,200	33,000	30,400	28,100
Internal Service Funds	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
<b>Ending Cash Balance</b>	<b>4,519,853</b>	<b>3,744,953</b>	<b>3,803,653</b>	<b>3,738,253</b>	<b>3,665,703</b>	<b>3,344,803</b>	<b>3,090,803</b>	<b>2,893,603</b>



# EQUIPMENT SERVICES REPLACEMENT LIST

2020		
DEPARTMENT/ VEHICLE	REPLACES	PROPOSED 2020 in prior CFP
<b>***POLICE***</b>		
POLICE CRUISER	1411	50,400
POLICE CRUISER	4103	50,400
POLICE CRUISER	5107	50,400
<b>*** FIRE DEPT ***</b>		
GMC SIERRA 1500 4X4 PICK-UP	4200	44,600
<b>***WATER***</b>		
AIR COMPRESSOR	1776	26,000
GMC 5-8 CY DUMP TRUCK	1782	204,200
<b>***STREET***</b>		
6-8 Yd Dump Truck	1579	156,100
FREIGHTLINER 5YD DUMP TRUCK	1603	318,400
GMC SIERRA 3500 SERVICE TRUCK	4701	74,300
<b>***SOLID WASTE***</b>		
TOYOTA PRIUS	5802	37,800
GARBAGE TRUCK	1081	354,200
<b>***ELECTRIC***</b>		
MANLIFT TRUCK	155	275,600
<b>Total</b>		<b>1,642,400</b>

2021		
DEPARTMENT/ VEHICLE	REPLACES	PROPOSED 2021 in prior CFP
<b>***POLICE***</b>		
POLICE CRUISER	910	64,800
POLICE CRUISER	1110	61,400
POLICE CRUISER	1312	64,800
<b>***EQUIPMENT SERVICES***</b>		
CAT FORK LIFT V50D	1247	28,600
DODGE CARAVAN	5602	35,700
<b>***WATER***</b>		
GMC CANYON PICK-UP	6702	38,800
<b>***STREET***</b>		
NEW HOLLAND BOOM MOWER	1506	173,600
FREIGHTLINER W/PATCH BOX	1568	255,300
<b>***PARKS***</b>		
DODGE IT TRUCK 4X4 W SNOW BOSS	1887	80,700
GRASSHOPPER MOWER	1888	19,400
<b>***ELECTRIC***</b>		
GMC SAVANNA VAN	6901	48,000
<b>Total</b>		<b>871,100</b>



# FINANCE VEHICLE REPLACEMENT SCHEDULE DIVISION - 2025

## ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Finance Meter Reader, and Service vehicles. The costs are allocated to the Utilities based on the number of meters being serviced and read so Utilities pays 100% of replacement and expenses to operate.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Utilities	4520	\$ 1,000	\$ 1,000	\$ 1,000	\$ 2,000	\$ 2,000	\$ 3,000	\$ 3,000
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	900	900	525	550	175	175	200
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 1,900</b>	<b>\$ 1,900</b>	<b>\$ 1,525</b>	<b>\$ 2,550</b>	<b>\$ 2,175</b>	<b>\$ 3,175</b>	<b>\$ 3,200</b>

EXPENDITURES	2020	2021	2022	2023	2024	2025	2026
Other Equipment & Attachments	-	-	-	-	-	-	-
Planned Use of Reserves	-	-	39,000	-	39,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 39,000</b>	<b>\$ -</b>	<b>\$ 39,000</b>	<b>\$ -</b>	<b>\$ -</b>

MAINTENANCE	EXPENSE OBJECT	2020	2021	2022	2023	2024	2025	2026
Fuel	3210	4,600	4,600	4,600	4,600	4,600	4,600	4,600
Parts & Repair	4521	9,800	9,800	9,800	9,800	9,800	9,800	9,800
Equipment Rental	4533	300	300	300	300	300	300	300
<b>TOTAL MAINTENANCE</b>		<b>\$ 14,700</b>	<b>\$ 14,700</b>	<b>\$ 14,700</b>	<b>\$ 14,700</b>	<b>\$ 14,700</b>	<b>\$ 14,700</b>	<b>\$ 14,700</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2020	2021	2022	2023	2024	2025	2026
194	GMC SONOMA PICK-UP	1994	2022	39,000	28	-	-	39,000	-	-	-	-
4401	GMC CANYON PICK-UP	2004	2024	39,000	20	-	-	-	-	39,000	-	-
4402	GMC CANYON PICK-UP	2004	2029	39,200	25	-	-	-	-	-	-	-
				<b>\$ 117,200</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ 39,000</b>	<b>\$ -</b>	<b>\$ 39,000</b>	<b>\$ -</b>	<b>\$ -</b>

CASH FLOW	2020	2021	2022	2023	2024	2025	2026
<b>BEGINNING CASH</b>	<b>86,915</b>	<b>88,815</b>	<b>90,715</b>	<b>53,240</b>	<b>55,790</b>	<b>18,965</b>	<b>22,140</b>
Contributions	1,000	1,000	1,000	2,000	2,000	3,000	3,000
Interest & sale of vehicles	900	900	525	550	175	175	200
Reserves Used	-	-	(39,000)	-	(39,000)	-	-
<b>Projected year end Cash</b>	<b>88,815</b>	<b>90,715</b>	<b>53,240</b>	<b>55,790</b>	<b>18,965</b>	<b>22,140</b>	<b>25,340</b>

Replacement value is based on the current replacement need. These vehicles are used by meter readers who not only read specific routes but assist in turn on and shut off of services for Electric, Water and Wastewater.



# COMMUNITY DEVELOPMENT VEHICLE REPLACEMENT SCHEDULE DIVISIONS - 4050-4060

## ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Building and Planning Department.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Utilities Transfer truck to Stormwater from CD	4520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund	4520	1,500	1,500	1,500	2,000	2,000	2,000	2,000	2,000
Interest & Vehicles Sales	4520	625	650	675	700	725	750	775	775
Internal Service Funds	4520	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 2,125</b>	<b>\$ 2,150</b>	<b>\$ 2,175</b>	<b>\$ 2,700</b>	<b>\$ 2,725</b>	<b>\$ 2,750</b>	<b>\$ 2,775</b>	<b>\$ 2,775</b>

EXPENDITURES									
Other Equipment & Attachments		-	-	-	-	-	-	-	-
Replacement of Vehicles		-	-	-	-	-	-	-	-
<b>TOTAL</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

MAINTENANCE	EXPENSE OBJECT	2020	2021	2022	2023	2024	2025	2026
Fuel	3210	2,400	2,400	2,400	2,400	2,400	2,400	2,400
Parts & Repair	4521	3,100	3,100	3,100	3,100	3,100	3,100	3,100
Equipment Rental	4533	200	200	200	200	200	200	200
<b>TOTAL MAINTENANCE</b>		<b>\$ 5,700</b>	<b>\$ 5,700</b>	<b>\$ 5,700</b>	<b>\$ 5,700</b>	<b>\$ 5,700</b>	<b>\$ 5,700</b>	<b>\$ 5,700</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2020	2021	2022	2023	2024	2025	2026
8451	FORD F150 Pick-up	2008	2028	38,900	20	-	-	-	-	-	-	-
7451	GMC Sierra 1500 4x4 Pick-up	2007	2027	38,900	20	-	-	-	-	-	-	-
				<b>\$ 77,800</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

CASH FLOW	2020	2021	2022	2023	2024	2025	2026
<b>BEGINNING CASH</b>	<b>61,219</b>	<b>63,344</b>	<b>65,494</b>	<b>67,669</b>	<b>70,369</b>	<b>73,094</b>	<b>75,844</b>
Contributions	1,500	1,500	1,500	2,000	2,000	2,000	2,000
Interest & Sale of Vehicles	625	650	675	700	725	750	775
Reserves Used	-	-	-	-	-	-	-
<b>Projected year end Cash</b>	<b>63,344</b>	<b>65,494</b>	<b>67,669</b>	<b>70,369</b>	<b>73,094</b>	<b>75,844</b>	<b>78,619</b>

Replacement value is based on the current need replacement or if that is unavailable the purchase price multiplied by 2% and the life in years added to the purchase price.



# POLICE VEHICLE REPLACEMENT SCHEDULE

## DIVISIONS - 5010, 5021, 5022, 5026

### ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the police vehicles.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Utilities	4520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund	4520	135,100	135,000	135,000	135,000	135,000	135,000	135,000	135,000
Interest & Vehicles Sales	395-XXXX	3,175	2,650	2,450	2,225	1,950	1,650	1,325	1,325
Internal Service Funds/Grants	4520	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 138,275</b>	<b>\$ 137,650</b>	<b>\$ 137,450</b>	<b>\$ 137,225</b>	<b>\$ 136,950</b>	<b>\$ 136,650</b>	<b>\$ 136,325</b>	

EXPENDITURES	2020	2021	2022	2023	2024	2025	2026
Other Equipment & Attachments	-	-	-	-	-	-	-
Replacement of Vehicles	151,200	191,000	157,500	160,550	163,800	167,100	170,400
<b>TOTAL</b>	<b>\$ 151,200</b>	<b>\$ 191,000</b>	<b>\$ 157,500</b>	<b>\$ 160,550</b>	<b>\$ 163,800</b>	<b>\$ 167,100</b>	<b>\$ 170,400</b>

MAINTENANCE	EXPENSE OBJECT	2020	2021	2022	2023	2024	2025	2026
Fuel	3210	60,500	60,500	60,500	60,500	60,500	60,500	60,500
Parts & Repair	4521	157,500	157,500	157,500	157,500	157,500	157,500	157,500
Equipment Rental	4533	-	-	-	-	-	-	-
<b>TOTAL MAINTENANCE</b>		<b>\$ 218,000</b>	<b>\$ 218,000</b>	<b>\$ 218,000</b>	<b>\$ 218,000</b>	<b>\$ 218,000</b>	<b>\$ 218,000</b>	<b>\$ 218,000</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2020	2021	2022	2023	2024	2025	2026
1710	DODGE CHARGER	2017	2028	52,500	11	-	-	-	-	-	-	-
910	DODGE CHARGER	2009	2021	64,800	12	-	64,800	-	-	-	-	-
911	FORD CROWN VICTORIA	2005	2022	52,500	16	-	-	52,500	-	-	-	-
913	FORD EXPEDITION SUV	2009	2025	55,700	16	-	-	-	-	-	55,700	-
1010	DODGE CHARGER	2010	2024	54,600	14	-	-	-	-	54,600	-	-
1011	DODGE CHARGER	2010	2024	54,600	14	-	-	-	-	54,600	-	-
1012	DODGE CHARGER	2010	2024	54,600	14	-	-	-	-	54,600	-	-
1110	DODGE CHARGER	2011	2021	61,400	11	-	61,400	-	-	-	-	-
1913	DODGE CHARGER	2019	2031	55,200	12	-	-	-	-	-	-	-
1914	DODGE CHARGER	2019	2035	56,200	16	-	-	-	-	-	-	-
1210	FORD CROWN VICTORIA	2007	2022	52,500	15	-	-	52,500	-	-	-	-
1211	FORD CROWN VICTORIA	2007	2022	52,500	14	-	-	52,500	-	-	-	-
1310	FORD CROWN VICTORIA	2007	2023	53,500	15	-	-	-	53,500	-	-	-
1311	CHEVROLET CAPRICE	2011	2023	53,500	12	-	-	-	53,500	-	-	-
1312	CHEVROLET CAPRICE	2011	2021	64,800	12	-	64,800	-	-	-	-	-
1313	DODGE CHARGER	2013	2025	55,700	12	-	-	-	-	-	55,700	-
1314	CHEVROLET TAHOE SUV	2014	2026	56,800	12	-	-	-	-	-	-	56,800
1410	DODGE CHARGER	2013	2026	56,800	12	-	-	-	-	-	-	56,800
1411	FORD CROWN VICTORIA	2005	2020	50,400	15	50,400	-	-	-	-	-	-
1412	DODGE CHARGER	2014	2025	55,700	11	-	-	-	-	-	55,700	-
1510	GMC TAHOE SUV	2014	2027	52,300	13	-	-	-	-	-	-	-
1511	DODGE CHARGER	2012	2026	56,800	14	-	-	-	-	-	-	56,800
1512	DODGE CHARGER	2011	2027	52,300	16	-	-	-	-	-	-	-
1513	DODGE CHARGER	2011	2027	52,300	16	-	-	-	-	-	-	-
1514	Radar Trailer	2009	2028	27,000	19	-	-	-	-	-	-	-
1612	DODGE CHARGER	2016	2028	52,500	12	-	-	-	-	-	-	-
1613	DODGE CHARGER	2016	2028	52,500	12	-	-	-	-	-	-	-
4103	FORD CROWN VICTORIA	2004	2020	50,400	16	50,400	-	-	-	-	-	-
5107	FORD CROWN VICTORIA	2005	2020	50,400	15	50,400	-	-	-	-	-	-
6101	CHEV COLORADO 4X4 VOLUNTE	2006	2023	53,550	17	-	-	-	53,550	-	-	-
6104	FORD CROWN VICTORIA	2007	2027	52,300	20	-	-	-	-	-	-	-
1910	DODGE CHARGER	2019	2031	55,200	12	-	-	-	-	-	-	-
1813	DODGE CHARGER	2018	2030	52,900	12	-	-	-	-	-	-	-
1814	DODGE CHARGER	2018	2030	52,900	12	-	-	-	-	-	-	-
1815	DODGE CHARGER	2018	2030	52,900	12	-	-	-	-	-	-	-
				<b>\$ 1,880,550</b>	<b>13.83</b>	<b>\$ 151,200</b>	<b>\$ 191,000</b>	<b>\$ 157,500</b>	<b>\$ 160,550</b>	<b>\$ 163,800</b>	<b>\$ 167,100</b>	<b>\$ 170,400</b>

CASH FLOW	2020	2021	2022	2023	2024	2025	2026
BEGINNING CASH	334,584	321,659	268,309	248,259	224,934	198,084	167,634
CONTRIBUTIONS	135,100	135,000	135,000	135,000	135,000	135,000	135,000
Interest Earned	3,175	2,650	2,450	2,225	1,950	1,650	1,325
Use of replacement funds	(151,200)	(191,000)	(157,500)	(160,550)	(163,800)	(167,100)	(170,400)
<b>Projected year end Cash</b>	<b>321,659</b>	<b>268,309</b>	<b>248,259</b>	<b>224,934</b>	<b>198,084</b>	<b>167,634</b>	<b>133,559</b>



# FIRE & MEDIC 1 VEHICLE REPLACEMENT SCHEDULE DIVISIONS - 6010, 6020, 6025, 6030, 6040, 6045

## ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Fire Department.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Utilities (Medic 1) 2% inflation in COSA	4520	\$ 25,000	\$ 25,500	\$ 26,010	\$ 26,530	\$ 27,061	\$ 27,602	\$ 28,154
General Fund	4520	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Interest & Vehicles Sales	4520	7,050	8,400	9,275	5,675	5,050	6,375	7,725
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 132,050</b>	<b>\$ 133,900</b>	<b>\$ 135,285</b>	<b>\$ 132,205</b>	<b>\$ 132,111</b>	<b>\$ 133,977</b>	<b>\$ 135,879</b>

EXPENDITURES								
Other Equipment & Attachments		-	-	-	-	-	-	-
Replacement of Vehicles		44,600	-	45,100	495,100	195,100	-	-
<b>TOTAL</b>		<b>\$ 44,600</b>	<b>\$ -</b>	<b>\$ 45,100</b>	<b>\$ 495,100</b>	<b>\$ 195,100</b>	<b>\$ -</b>	<b>\$ -</b>

MAINTENANCE	EXPENSE OBJECT	2020	2021	2022	2023	2024	2025	2026
Fuel	3210	27,300	27,300	27,300	27,300	27,300	27,300	27,300
Parts & Repair	4521	94,700	94,700	94,700	94,700	94,700	94,700	94,700
Equipment Rental	4533	500	500	500	500	500	500	500
<b>TOTAL MAINTENANCE</b>		<b>\$ 122,500</b>	<b>\$ 122,500</b>	<b>\$ 122,500</b>	<b>\$ 122,500</b>	<b>\$ 122,500</b>	<b>\$ 122,500</b>	<b>\$ 122,500</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2020	2021	2022	2023	2024	2025	2026
<b>FIRE DEPARTMENT</b>												
3	PIERCE PUMPER	1999	2023	495,100	24	-	-	-	495,100	-	-	-
1922	2020 FORD EXPLORER 4X4	2020	2035	51,200	15	-	-	-	-	-	-	-
4200	GMC SIERRA 1500 4X4 PICK-UP	2004	2020	44,600	16	44,600	-	-	-	-	-	-
1924	2020 FORD EXPLORER 4X4	2020	2034	50,500	14	-	-	-	-	-	-	-
6201	PIERCE AERIAL/PUMPER	2006	2036	1,507,700	30	-	-	-	-	-	-	-
7203	GMC SIERRA 1500 4X4 PICK-UP	2007	2022	45,100	15	-	-	45,100	-	-	-	-
920	AIR TRUCK -do not replace	2009		-		-	-	-	-	-	-	-
1620	FORD F550 HME MINI PUMPER	2017	2041	410,500	24	-	-	-	-	-	-	-
1020	PIERCE FIRE PUMPER	2010	2034	549,900	24	-	-	-	-	-	-	-
<b>MEDIC 1</b>												
1820	FORD AMBULANCE	2019	2037	224,600	18	-	-	-	-	-	-	-
1420	FORD AMBULANCE	2015	2033	212,500	18	-	-	-	-	-	-	-
7201	FORD E350 AMBULANCE	2006	2024	195,100	18	-	-	-	-	195,100	-	-
				<b>\$ 3,786,800</b>		<b>\$ 44,600</b>	<b>\$ -</b>	<b>\$ 45,100</b>	<b>\$ 495,100</b>	<b>\$ 195,100</b>	<b>\$ -</b>	<b>\$ -</b>

CASH FLOW	2020	2021	2022	2023	2024	2025	2026
<b>BEGINNING CASH</b>	<b>625,288</b>	<b>712,738</b>	<b>846,638</b>	<b>936,823</b>	<b>573,928</b>	<b>510,939</b>	<b>644,916</b>
Contributions	125,000	125,500	126,010	126,530	127,061	127,602	128,154
Interest & Vehicle Sales	7,050	8,400	9,275	5,675	5,050	6,375	7,725
Reserves Used	(44,600)	-	(45,100)	(495,100)	(195,100)	-	-
<b>Projected year end Cash</b>	<b>712,738</b>	<b>846,638</b>	<b>936,823</b>	<b>573,928</b>	<b>510,939</b>	<b>644,916</b>	<b>780,795</b>

Pumpers are replaced on a 24 year cycle with oldest going first every 8 years, except for the Ladder Truck which will be replaced in 30 years.

Ambulances are replaced on a 18 year cycle with oldest going first every 6 years.

The Air Truck was purchased with grant funding and will not be replaced by the City.



# PARKS & RECREATION VEHICLE REPLACEMENT SCHEDULE DIVISIONS - 8010-8199

## ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Senior Center, Cemetery, Facilities, and Parks Departments.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Utilities	4520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund	4520	39,100	65,000	75,000	85,000	95,000	100,000	105,000	
Interest & Vehicles Sales	4520	1,025	675	1,150	1,025	1,600	1,650	1,725	
Internal Service Funds	4520	-	-	-	-	-	-	-	
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 40,125</b>	<b>\$ 65,675</b>	<b>\$ 76,150</b>	<b>\$ 86,025</b>	<b>\$ 96,600</b>	<b>\$ 101,650</b>	<b>\$ 106,725</b>	

EXPENDITURES								
Other Equipment & Attachments		-	-	-	-	-	-	-
Replacement of Vehicles		-	100,100	28,500	99,600	38,900	96,700	97,200
<b>TOTAL</b>		<b>\$ -</b>	<b>\$ 100,100</b>	<b>\$ 28,500</b>	<b>\$ 99,600</b>	<b>\$ 38,900</b>	<b>\$ 96,700</b>	<b>\$ 97,200</b>

MAINTENANCE	EXPENSE OBJECT	2020	2021	2022	2023	2024	2025	2026
Parts & Repair	4521	134,000	134,000	134,000	134,000	134,000	134,000	134,000
Equipment Rental	4533	10,300	10,300	10,300	10,300	10,300	10,300	10,300
<b>TOTAL MAINTENANCE</b>		<b>\$ 184,100</b>	<b>\$ 184,100</b>	<b>\$ 184,100</b>	<b>\$ 184,100</b>	<b>\$ 184,100</b>	<b>\$ 184,100</b>	<b>\$ 184,100</b>

Maintenance items can vary substantially based on the cost of fuel and or parts.

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2020	2021	2022	2023	2024	2025	2026
<b>SENIOR CENTER</b>												
1735	FORD E450 PASSENGER BUS	2018	2033	62,700	15	-	-	-	-	-	-	-
<b>CEMETERY</b>												
1230	GRASSHOPPER MOWER 725DR/37461	2012	2027	18,000	15	-	-	-	-	-	-	-
1235	JCB BACKHOE	2012	2037	108,100	25	-	-	-	-	-	-	-
1430	JOHN DEERE GATOR TS	2014	2029	10,700	15	-	-	-	-	-	-	-
1887	DODGE 1T TRUCK 4X4 W/SNOW BOSS	1999	2021	80,700	22	-	80,700	-	-	-	-	-
<b>PARKS OPERATIONS</b>												
181	TRAILER	1985	2025	2,600	40	-	-	-	-	-	2,600	-
182	TRAILER	1980	2050	2,600	35	-	-	-	-	-	-	-
183	SANI UTILITY TRAILER	1970	2040	2,600	35	-	-	-	-	-	-	-
1231	GROUNDMASTER MOWER 3280D	2012	2027	23,400	15	-	-	-	-	-	-	-
1232	GROUNDMASTER MOWER 3280D BLOWE	2012	2027	28,700	15	-	-	-	-	-	-	-
1233	GROUNDMASTER MOWER 3280D	2012	2027	25,800	15	-	-	-	-	-	-	-
1234	JOHN DEERE FIELD RAKE	2012	2027	10,900	15	-	-	-	-	-	-	-
1330	GMC 1 TON FLATBED TRUCK	2013	2033	32,300	20	-	-	-	-	-	-	-
1331	FORD F450 FLATBED TRUCK	2014	2029	47,300	15	-	-	-	-	-	-	-
1431	TORO TURF SWEEPER	2014	2034	33,500	20	-	-	-	-	-	-	-
1531	JOHN DEERE FIELD RAKE	2015	2030	13,800	15	-	-	-	-	-	-	-
1630	GMC SILVERADO 2500	2017	2037	30,000	20	-	-	-	-	-	-	-
1631	FORD F450 VERSALIFT MANLIFT	2016	2036	95,900	20	-	-	-	-	-	-	-
1734	FORD F250 PICK-UP	2017	2037	18,300	20	-	-	-	-	-	-	-
1888	GRASSHOPPER MOWER	2001	2021	19,400	20	-	19,400	-	-	-	-	-
1890	UNIVERSAL EQUIPMENT TRAILER (SM)	1994	2034	-	40	-	-	-	-	-	-	-
1930	FORD F350 FLATBED DUMPBED	2019	2034	59,300	15	-	-	-	-	-	-	-
4328	GMC SIERRA 3500 FLAT BED	2004	2023	48,500	19	-	-	48,500	-	-	-	-
4700	GMC SIERRA 1500 4X4	2004	2024	38,900	20	-	-	-	-	38,900	-	-
5330	KUBOTA TRACTOR	2005	2025	46,000	20	-	-	-	-	-	46,000	-
5333	10000# TRAILER	2005	2030	3,600	25	-	-	-	-	-	-	-
5335	FORD F450 w/DUMP	2006	2026	81,900	20	-	-	-	-	-	-	81,900
6321	JOHN DEERE GATOR TS	2006	2026	12,300	20	-	-	-	-	-	-	12,300
6323	GMC SIERRA 2500 PICK-UP	2006	2023	51,100	17	-	-	-	51,100	-	-	-
6324	FORD F450 w/DUMP	2007	2027	81,900	20	-	-	-	-	-	-	-
6325	PAINT SPRAYER- WALK BEHIND	2006	2026	3,000	20	-	-	-	-	-	-	3,000
6451	FORD F250 PICK-UP	2007	2027	56,300	20	-	-	-	-	-	-	-
7321	TORO AERATOR W/TINES	2007	2022	28,500	15	-	-	28,500	-	-	-	-
1730	JOHN DEERE FIELD RAKE	2017	2032	19,500	15	-	-	-	-	-	-	-
1836	TORO 4000D MOWER	2018	2028	76,800	10	-	-	-	-	-	-	-
7322	TOP DRESSER	2007	2027	22,400	20	-	-	-	-	-	-	-
8321	EAGLE 6X10 TRAILER	2008	2043	2,600	35	-	-	-	-	-	-	-
1830	KUBOTA L4064HST TRACTOR	2018	2038	46,300	20	-	-	-	-	-	-	-
1837	GMC SAVANNA 2500 VAN	2018	2038	48,400	20	-	-	-	-	-	-	-
<b>FACILITIES</b>												
5332	GMC SAVANA VAN	2005	2025	48,100	20	-	-	-	-	-	48,100	-
1931	FORD 250 WHITE VAN	2019	2034	48,300	15	-	-	-	-	-	-	-
4326	SCISSOR LIFT (VERN BURTON)	2004	2034	10,500	30	-	-	-	-	-	-	-
				<b>\$ 1,501,500</b>		<b>\$ -</b>	<b>\$ 100,100</b>	<b>\$ 28,500</b>	<b>\$ 99,600</b>	<b>\$ 38,900</b>	<b>\$ 96,700</b>	<b>\$ 97,200</b>

CASH FLOW	2020	2021	2022	2023	2024	2025	2026
<b>BEGINNING CASH</b>	<b>63,640</b>	<b>103,765</b>	<b>69,340</b>	<b>116,990</b>	<b>103,415</b>	<b>161,115</b>	<b>166,065</b>
Contributions of vehicles	39,100	65,000	75,000	85,000	95,000	100,000	105,000
Reserves Used	1,025	675	1,150	1,025	1,600	1,650	1,725
	-	(100,100)	(28,500)	(99,600)	(38,900)	(96,700)	(97,200)
<b>Projected year end Cash</b>	<b>103,765</b>	<b>69,340</b>	<b>116,990</b>	<b>103,415</b>	<b>161,115</b>	<b>166,065</b>	<b>175,590</b>



# ENGINEERING REPLACEMENT SCHEDULE DIVISION - 7010

## ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the general fund Engineering division.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Utilities	4520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund	4520	3,000	7,500	7,500	7,500	7,500	7,500	7,500	7,500
Interest & Vehicles Sales	4520	775	50	950	1,025	325	-	-	75
Internal Service Funds	4520	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 3,775</b>	<b>\$ 7,550</b>	<b>\$ 8,450</b>	<b>\$ 8,525</b>	<b>\$ 7,825</b>	<b>\$ 7,500</b>	<b>\$ 7,575</b>	

EXPENDITURES								
Other Equipment	-	-	-	-	-	-	-	-
Replacement of Vehicles	-	-	-	-	77,800	40,900	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 77,800</b>	<b>\$ 40,900</b>	<b>\$ -</b>	<b>\$ -</b>

MAINTENANCE	EXPENSE OBJECT	2020	2021	2022	2023	2024	2025	2026
Fuel	3210	2,800	2,800	2,800	2,800	2,800	2,800	2,800
Parts & Repair	4521	5,800	5,800	5,800	5,800	5,800	5,800	5,800
Equipment Rental	4533	4,000	4,000	4,000	4,000	4,000	4,000	4,000
<b>TOTAL MAINTENANCE</b>		<b>\$ 12,600</b>	<b>\$ 12,600</b>	<b>\$ 12,600</b>	<b>\$ 12,600</b>	<b>\$ 12,600</b>	<b>\$ 12,600</b>	<b>\$ 12,600</b>

Maintenance items can vary substantially based on the cost of fuel and or parts.

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2020	2021	2022	2023	2024	2025	2026
4300	GMC SIERRA Pick-up	2004	2024	38,900	20	-	-	-	-	38,900	-	-
4301	GMC SIERRA Pick-up	2004	2024	38,900	20	-	-	-	-	38,900	-	-
5302	GMC SAVANA VAN	2005	2025	40,900	20	-	-	-	-	-	40,900	-
				<b>\$ 118,700</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 77,800</b>	<b>\$ 40,900</b>	<b>\$ -</b>

CASH FLOW	2020	2021	2022	2023	2024	2025	2026
<b>BEGINNING CASH</b>	<b>75,274</b>	<b>79,049</b>	<b>86,599</b>	<b>95,049</b>	<b>103,574</b>	<b>33,599</b>	<b>199</b>
Contributions	3,000	7,500	7,500	7,500	7,500	7,500	7,500
Interest & Vehicle Sales	775	50	950	1,025	325	-	75
Reserves Used	-	-	-	-	(77,800)	(40,900)	-
<b>Projected year end Cash</b>	<b>79,049</b>	<b>86,599</b>	<b>95,049</b>	<b>103,574</b>	<b>33,599</b>	<b>199</b>	<b>7,774</b>



# LIGHT OPERATIONS VEHICLE REPLACEMENT SCHEDULE DIVISIONS - 7120, 7111, 7180

## ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Electric Operations, Electric Engineering and Electric Inspectors.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Utilities	4520	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	1,250	1,525	1,600	1,500	1,750	1,450	1,975
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 76,250</b>	<b>\$ 76,525</b>	<b>\$ 76,600</b>	<b>\$ 76,500</b>	<b>\$ 76,750</b>	<b>\$ 76,450</b>	<b>\$ 76,975</b>

EXPENDITURES								
Other Equipment		-	-	-	-	-	-	-
Replacement of Vehicles		275,600	48,000	69,400	86,800	51,100	107,100	25,600
<b>TOTAL</b>		<b>\$ 275,600</b>	<b>\$ 48,000</b>	<b>\$ 69,400</b>	<b>\$ 86,800</b>	<b>\$ 51,100</b>	<b>\$ 107,100</b>	<b>\$ 25,600</b>

MAINTENANCE	EXPENSE OBJECT	2020	2021	2022	2023	2024	2025	2026
Fuel	3210	33,100	33,100	33,100	33,100	33,100	33,100	33,100
Parts & Repair	4521	151,900	151,900	151,900	151,900	151,900	151,900	151,900
Equipment Rental	4533	6,100	6,100	6,100	6,100	6,100	6,100	6,100
<b>TOTAL MAINTENANCE</b>		<b>\$ 191,100</b>	<b>\$ 191,100</b>	<b>\$ 191,100</b>	<b>\$ 191,100</b>	<b>\$ 191,100</b>	<b>\$ 191,100</b>	<b>\$ 191,100</b>

Maintenance items can vary substantially based on the cost of fuel and or parts.

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2020	2021	2022	2023	2024	2025	2026
140	SINGLE REEL TRAILER	2000	2025	25,600	25	-	-	-	-	-	25,600	-
148	CATERPILLAR FORKLIFT	1987	2022	30,600	35	-	-	30,600	-	-	-	-
155	FREIGHTLINER/VERSALIFT MANLIFT TRUCK	1999	2019	275,600	20	275,600	-	-	-	-	-	-
158	BRUSH CHIPPER	2000	2025	30,400	25	-	-	-	-	-	30,400	-
159	BUTLER 3-REEL WIRE TRAILER	1989	2029	17,900	40	-	-	-	-	-	-	-
160	TENSIONER	1991	2026	25,600	35	-	-	-	-	-	-	25,600
950	FORD F450 UTILITY TRUCK	2009	2027	66,600	18	-	-	-	-	-	-	-
951	REEL TRAILER	2009	2034	8,700	25	-	-	-	-	-	-	-
1150	FREIGHTLINER DIGGER DERRICK	2011	2036	282,900	25	-	-	-	-	-	-	-
1151	FREIGHTLINER TEREX MANLIFT	2011	2036	272,600	25	-	-	-	-	-	-	-
1350	FORD F550 4X4 W/DUMP BED	2013	2038	82,400	25	-	-	-	-	-	-	-
1351	CHEV EXPRESS 2500 4X4 VAN	2014	2029	48,200	15	-	-	-	-	-	-	-
1352	FORD F550 4X4 VERSALIFT MANLIFT	2014	2034	154,100	20	-	-	-	-	-	-	-
1450	GMC FLATBED 1 TON 4X4	2015	2035	52,600	20	-	-	-	-	-	-	-
1550	FREIGHTLINER TEREX MANLIFT	2016	2041	273,700	25	-	-	-	-	-	-	-
1650	Ford F450 flatbed	2017	2037	68,200	20	-	-	-	-	-	-	-
1650a	Hyd Winch with Capstan	2018	2038	17,500	20	-	-	-	-	-	-	-
4900	GMC SAVANA VAN	2004	2023	48,000	19	-	-	-	48,000	-	-	-
4901	TOYOTA FORKLIFT	2004	2024	51,100	20	-	-	-	-	51,100	-	-
4902	POLELIFT TRAILER	2004	2029	7,200	25	-	-	-	-	-	-	-
5427	SIDEWALK SWEEPER	2004	2029	-	25	-	-	-	-	-	-	-
5903	BOBCAT EXCAVATOR	2005	2025	51,100	20	-	-	-	-	-	51,100	-
5904	SMALL TRAILER	2005	2030	5,100	25	-	-	-	-	-	-	-
6901	GMC SAVANA VAN	2006	2021	48,000	15	-	48,000	-	-	-	-	-
1951	FORD F150 EXT CAB SHORT BED TRUCK	2019	2032	35,900	13	-	-	-	-	-	-	-
1750	FORD F450 SERVICE TRUCK	2017	2032	64,700	15	-	-	-	-	-	-	-
1753	FREIGHTLINER KNUCKLEBOOM TRUCK	2018	2043	199,300	25	-	-	-	-	-	-	-
	<b>ELECTRIC ENGINEERS</b>											
133	CHEVY BLAZER	2004	2022	38,800	18	-	-	38,800	-	-	-	-
135	CHEVY BLAZER	2004	2023	38,800	19	-	-	-	38,800	-	-	-
				<b>\$ 2,321,200</b>		<b>\$ 275,600</b>	<b>\$ 48,000</b>	<b>\$ 69,400</b>	<b>\$ 86,800</b>	<b>\$ 51,100</b>	<b>\$ 107,100</b>	<b>\$ 25,600</b>

CASH FLOW	2020	2021	2022	2023	2024	2025	2026
BEGINNING CASH	326,903	127,553	156,078	163,278	152,978	178,628	147,978
Contributions	75,000	75,000	75,000	75,000	75,000	75,000	75,000
Interest & Vehicle Sales	1,250	1,525	1,600	1,500	1,750	1,450	1,975
Reserves Used	(275,600)	(48,000)	(69,400)	(86,800)	(51,100)	(107,100)	(25,600)
<b>Projected year end Cash</b>	<b>127,553</b>	<b>156,078</b>	<b>163,278</b>	<b>152,978</b>	<b>178,628</b>	<b>147,978</b>	<b>199,353</b>



# WATER VEHICLE REPLACEMENT SCHEDULE DIVISION - 7380

## ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Water Operations.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Utilities	4520	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000
General Fund	4520	-	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	3,900	4,150	4,775	4,150	4,400	5,050	3,450	
Internal Service Funds	4520	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 63,900</b>	<b>\$ 64,150</b>	<b>\$ 64,775</b>	<b>\$ 64,150</b>	<b>\$ 64,400</b>	<b>\$ 65,050</b>	<b>\$ 63,450</b>	

EXPENDITURES								
Other Equipment		-	-	-	-	-	-	-
Replacement of Vehicles		230,200	38,800	-	127,800	38,900	-	226,200
<b>TOTAL</b>		<b>\$ 230,200</b>	<b>\$ 38,800</b>	<b>\$ -</b>	<b>\$ 127,800</b>	<b>\$ 38,900</b>	<b>\$ -</b>	<b>\$ 226,200</b>

MAINTENANCE	EXPENSE OBJECT	2020	2021	2022	2023	2024	2025	2026
Fuel	3210	16,300	16,300	16,300	16,300	16,300	16,300	16,300
Parts & Repair	4521	61,200	61,200	61,200	61,200	61,200	61,200	61,200
Equipment Rental	4533	8,500	8,500	8,500	8,500	8,500	8,500	8,500
<b>TOTAL MAINTENANCE</b>		<b>\$ 86,000</b>	<b>\$ 86,000</b>	<b>\$ 86,000</b>	<b>\$ 86,000</b>	<b>\$ 86,000</b>	<b>\$ 86,000</b>	<b>\$ 86,000</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2020	2021	2022	2023	2024	2025	2026	
360	GENERATOR TRAILER MOUNTED	2003	2033	66,700	30	-	-	-	-	-	-	
1060	GENIE PERSONAL LIFT (WTP)	2010	2040	12,400	30	-	-	-	-	-	-	
1260	FORD F450 SERVIE TRUCK w winch	2012	2029	66,600	17	-	-	-	-	-	-	
1460	GMC SIERRA 1500 4X4 PICK-UP	2014	2026	38,900	12	-	-	-	-	-	38,900	
1756	JOHN DEERE BACKHOE LOADER	1991	2023	127,800	32	-	-	127,800	-	-	-	
1761	APTECH GENERATOR	1997	2027	66,600	30	-	-	-	-	-	-	
1776	AIR COMPRESSOR	1985	2020	26,000	34	26,000	-	-	-	-	-	
1782	GMC 5-8 CY DUMP TRUCK	1993	2020	204,200	27	204,200	-	-	-	-	-	
4329	YAMAHA	2004	2034	5,700	30	-	-	-	-	-	-	
5704	FORD F550 DUMP	2006	2026	81,900	20	-	-	-	-	-	81,900	
5705	FORD F550 SERVICE TRUCK	2006	2026	66,500	20	-	-	-	-	-	66,500	
6322	GMC CANYON PICK-UP	2006	2026	38,900	20	-	-	-	-	-	38,900	
6701	GMC CANYON PICK-UP	2006	2024	38,900	18	-	-	-	38,900	-	-	
6702	GMC CANYON PICK-UP	2006	2021	38,800	15	-	38,800	-	-	-	-	
1241	50% VACTOR TRUCK	2012	2027	266,200	15	-	-	-	-	-	-	
7452	GMC SONOMA PICK-UP	2007	2027	27,600	20	-	-	-	-	-	-	
1862	SMALL EQ TRAILER	2017	2047	3,100	30	-	-	-	-	-	-	
1863	SMALL EQ GATOR	2018	2033	11,300	15	-	-	-	-	-	-	
				<b>\$ 1,188,100</b>		<b>\$ 230,200</b>	<b>\$ 38,800</b>	<b>\$ -</b>	<b>\$ 127,800</b>	<b>\$ 38,900</b>	<b>\$ -</b>	<b>\$ 226,200</b>

\*Surplus 1360 for 10 yd to purchase 10 yd dump in Streets.

CASH FLOW	2020	2021	2022	2023	2024	2025	2026
<b>BEGINNING CASH</b>	<b>560,106</b>	<b>393,806</b>	<b>419,156</b>	<b>483,931</b>	<b>420,281</b>	<b>445,781</b>	<b>510,831</b>
Contributions	60,000	60,000	60,000	60,000	60,000	60,000	60,000
Interest & Vehicle Sales	3,900	4,150	4,775	4,150	4,400	5,050	3,450
Reserves Used	(230,200)	(38,800)	-	(127,800)	(38,900)	-	(226,200)
<b>Projected year end Cash</b>	<b>393,806</b>	<b>419,156</b>	<b>483,931</b>	<b>420,281</b>	<b>445,781</b>	<b>510,831</b>	<b>348,081</b>



# WASTEWATER VEHICLE REPLACEMENT SCHEDULE DIVISION - 7480

## ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Wastewater division.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Utilities	4520	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
General Fund	4520	-	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	1,550	2,075	2,600	2,725	3,250	3,400	3,825	
Internal Service Funds	4520	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 51,550</b>	<b>\$ 52,075</b>	<b>\$ 52,600</b>	<b>\$ 52,725</b>	<b>\$ 53,250</b>	<b>\$ 53,400</b>	<b>\$ 53,825</b>	

EXPENDITURES								
Other Equipment		-	-	-	-	-	-	-
Replacement of Vehicles		-	-	-	38,800	-	38,900	11,400
<b>TOTAL</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 38,800</b>	<b>\$ -</b>	<b>\$ 38,900</b>	<b>\$ 11,400</b>

MAINTENANCE	EXPENSE OBJECT	2020	2021	2022	2023	2024	2025	2026
Fuel	3210	15,500	15,500	15,500	15,500	15,500	15,500	15,500
Parts & Repair	4521	53,400	53,400	53,400	53,400	53,400	53,400	53,400
Equipment Rental	4533	2,000	2,000	2,000	2,000	2,000	2,000	2,000
<b>TOTAL MAINTENANCE</b>		<b>\$ 70,900</b>	<b>\$ 70,900</b>	<b>\$ 70,900</b>	<b>\$ 70,900</b>	<b>\$ 70,900</b>	<b>\$ 70,900</b>	<b>\$ 70,900</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2020	2021	2022	2023	2024	2025	2026
1077	GORMAN PUMP	2003	2028	30,700	25	-	-	-	-	-	-	-
1370	TAYLOR DUNN CART (WWTP)	2013	2038	13,400	25	-	-	-	-	-	-	-
1571	PETERBILT ROLLOFF TRUCK	2015	2035	262,100	20	-	-	-	-	-	-	-
1600	CUMMINS 60KW GENERATOR	2002	2032	66,700	30	-	-	-	-	-	-	-
1616	FORD F350 SERVICE TRUCK	2002	2027	66,600	25	-	-	-	-	-	-	-
1770	KW T880 VACTOR TRUCK	2017	2037	513,400	20	-	-	-	-	-	-	-
1652	DODGE 3500 SERVICE TRUCK	2019	2037	61,700	18	-	-	-	-	-	-	-
4600	GMC SIERRA 1500 4X4 PICK-UP	2004	2023	38,800	19	-	-	-	38,800	-	-	-
5601	TV VAN W/ SPECIAL EQUIP	2005	2030	48,200	25	-	-	-	-	-	-	-
5601A	COMPUTER FOR TV VAN	2016	2026	11,400	10	-	-	-	-	-	-	11,400
5703	GMC SIERRA 1500 4X4 PICK-UP	2005	2025	38,900	20	-	-	-	-	-	38,900	-
6601	GODWIN HS100GP PUMP	2006	2036	28,800	30	-	-	-	-	-	-	-
7601	GMC CANYON CREW CAB 4X4 PICK-UP	2007	2027	38,900	20	-	-	-	-	-	-	-
				<b>\$ 1,219,600</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 38,800</b>	<b>\$ -</b>	<b>\$ 38,900</b>	<b>\$ 11,400</b>

CASH FLOW	2020	2021	2022	2023	2024	2025	2026
<b>BEGINNING CASH</b>	<b>106,428</b>	<b>157,978</b>	<b>210,053</b>	<b>262,653</b>	<b>276,578</b>	<b>329,828</b>	<b>344,328</b>
Contributions	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Interest & Vehicle Sales	1,550	2,075	2,600	2,725	3,250	3,400	3,825
Reserves Used	-	-	-	(38,800)	-	(38,900)	(11,400)
<b>Projected year end Cash</b>	<b>157,978</b>	<b>210,053</b>	<b>262,653</b>	<b>276,578</b>	<b>329,828</b>	<b>344,328</b>	<b>386,753</b>



# SOLID WASTE VEHICLE REPLACEMENT SCHEDULE DIVISIONS - 7580, 7538

## ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Solid Waste Collections and Transfer Station Departments.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Utilities	4520	\$ 159,000	\$ 159,000	\$ 159,000	\$ 159,000	\$ 159,000	\$ 159,000	\$ 184,000	\$ 184,000
General Fund	4520	-	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	3,225	4,850	2,525	4,150	2,225	3,875	1,325	-
Internal Service Funds	4520	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 162,225</b>	<b>\$ 163,850</b>	<b>\$ 161,525</b>	<b>\$ 163,150</b>	<b>\$ 161,225</b>	<b>\$ 187,875</b>	<b>\$ 185,325</b>	

EXPENDITURES								
Other Equipment		-	-	-	-	-	-	-
Replacement of Vehicles		392,000	-	395,400	-	354,800	21,400	444,500
<b>TOTAL</b>		<b>\$ 392,000</b>	<b>\$ -</b>	<b>\$ 395,400</b>	<b>\$ -</b>	<b>\$ 354,800</b>	<b>\$ 21,400</b>	<b>\$ 444,500</b>

MAINTENANCE	EXPENSE OBJECT	2020	2021	2022	2023	2024	2025	2026
Fuel	3210	61,700	61,700	61,700	61,700	61,700	61,700	61,700
Parts & Repair	4521	225,800	225,800	225,800	225,800	225,800	225,800	225,800
Equipment Rental	4533	3,600	3,600	3,600	3,600	3,600	3,600	3,600
<b>TOTAL MAINTENANCE</b>		<b>\$ 291,100</b>	<b>\$ 291,100</b>	<b>\$ 291,100</b>	<b>\$ 291,100</b>	<b>\$ 291,100</b>	<b>\$ 291,100</b>	<b>\$ 291,100</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2020	2021	2022	2023	2024	2025	2026
1480	CAT LOADER	2006	2026	89,400	20	-	-	-	-	-	-	89,400
1896	KUBOTA MOWER	2000	2025	21,400	25	-	-	-	-	-	21,400	-
5802	TOYOTA PRIUS	2005	2020	37,800	15	37,800	-	-	-	-	-	-
1080	GARBAGE TRUCK	2010	2022	354,500	12	-	-	354,500	-	-	-	-
1081	GARBAGE TRUCK	2010	2020	354,200	10	354,200	-	-	-	-	-	-
1580	GARBAGE TRUCK	2015	2024	354,800	9	-	-	-	-	354,800	-	-
1945	FORD RANGER PICKUP	2002	2022	40,900	20	-	-	40,900	-	-	-	-
1980	FORD F250 PICKUP	2019	2034	55,000	15	-	-	-	-	-	-	-
1680	PETERBILT GARBAGE	2016	2026	355,100	10	-	-	-	-	-	-	355,100
1880	KUBOTA ATV	2018	2038	17,500	20	-	-	-	-	-	-	-
1881	PETERBUILT TRUCK	2018	2028	355,500	10	-	-	-	-	-	-	-
				<b>\$ 2,036,100</b>		<b>\$ 392,000</b>	<b>\$ -</b>	<b>\$ 395,400</b>	<b>\$ -</b>	<b>\$ 354,800</b>	<b>\$ 21,400</b>	<b>\$ 444,500</b>

CASH FLOW	2020	2021	2022	2023	2024	2025	2026
<b>BEGINNING CASH</b>	<b>556,832</b>	<b>327,057</b>	<b>490,907</b>	<b>257,032</b>	<b>420,182</b>	<b>226,607</b>	<b>393,082</b>
Contributions	159,000	159,000	159,000	159,000	159,000	184,000	184,000
Interest & Vehicle Sales	3,225	4,850	2,525	4,150	2,225	3,875	1,325
Reserves Used	(392,000)	-	(395,400)	-	(354,800)	(21,400)	(444,500)
<b>Projected year end Cash</b>	<b>327,057</b>	<b>490,907</b>	<b>257,032</b>	<b>420,182</b>	<b>226,607</b>	<b>393,082</b>	<b>133,907</b>



# STORMWATER VEHICLE REPLACEMENT SCHEDULE DIVISION - 7412

## ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Stormwater Operations.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Utilities	4520	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000
General Fund	4520	-	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	2,760	3,125	3,500	3,900	4,275	4,675	4,400	4,400
Internal Service Funds	4520	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 37,760</b>	<b>\$ 38,125</b>	<b>\$ 38,500</b>	<b>\$ 38,900</b>	<b>\$ 39,275</b>	<b>\$ 39,675</b>	<b>\$ 39,400</b>	<b>\$ 39,400</b>

EXPENDITURES									
Other Equipment		-	-	-	-	-	-	-	-
Replacement of Vehicles		-	-	-	-	-	-	-	68,800
<b>TOTAL</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 68,800</b>

MAINTENANCE	EXPENSE OBJECT	2020	2021	2022	2023	2024	2025	2026
Fuel	3210	22,800	22,800	22,800	22,800	22,800	22,800	22,800
Parts & Repair	4521	95,600	95,600	95,600	95,600	95,600	95,600	95,600
Equipment Rental	4533	4,900	4,900	4,900	4,900	4,900	4,900	4,900
<b>TOTAL MAINTENANCE</b>		<b>\$ 123,300</b>	<b>\$ 123,300</b>	<b>\$ 123,300</b>	<b>\$ 123,300</b>	<b>\$ 123,300</b>	<b>\$ 123,300</b>	<b>\$ 123,300</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2020	2021	2022	2023	2024	2025	2026
5504	FORD F450 - BOX	2006	2026	68,800	20	-	-	-	-	-	-	68,800
1240	FREIGHTLINER AIR SWEEPER	2012	2032	239,800	20	-	-	-	-	-	-	-
1241	VECTOR TRUCK 50%	2012	2027	275,700	15	-	-	-	-	-	-	-
1540	ELGIN SWEEPER	2015	2035	230,200	20	-	-	-	-	-	-	-
1762	WELLS SMALL TRAILER	1995	2035	5,600	30	-	-	-	-	-	-	-
				<b>\$ 820,100</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 68,800</b>

CASH FLOW	2020	2021	2022	2023	2024	2025	2026
<b>BEGINNING CASH</b>	<b>241,018</b>	<b>278,778</b>	<b>316,903</b>	<b>355,403</b>	<b>394,303</b>	<b>433,578</b>	<b>473,253</b>
Contributions	35,000	35,000	35,000	35,000	35,000	35,000	35,000
Interest & Vehicle Sales	2,760	3,125	3,500	3,900	4,275	4,675	4,400
Reserves Used	-	-	-	-	-	-	(68,800)
<b>Projected year end Cash</b>	<b>278,778</b>	<b>316,903</b>	<b>355,403</b>	<b>394,303</b>	<b>433,578</b>	<b>473,253</b>	<b>443,853</b>



# CONSERVATION VEHICLE REPLACEMENT SCHEDULE DIVISION - 7121

## ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Conservation Fund.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Utilities	4520	2,000	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,750	\$ 2,750
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	225	250	300	300	350	375	-
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>18080</b>	<b>\$ 2,225</b>	<b>\$ 2,750</b>	<b>\$ 2,800</b>	<b>\$ 2,800</b>	<b>\$ 2,850</b>	<b>\$ 3,125</b>	<b>\$ 2,750</b>

EXPENDITURES								
Other Equipment	-	-	-	-	-	-	-	-
Replacement of Vehicles	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

MAINTENANCE	EXPENSE OBJECT	2020	2021	2022	2023	2024	2025	2026
Fuel	3210	500	500	500	500	500	500	500
Parts & Repair	4521	2,600	2,600	2,600	2,600	2,600	2,600	2,600
Equipment Rental	4533	100	100	100	100	100	100	100
<b>TOTAL MAINTENANCE</b>		<b>\$ 3,200</b>	<b>\$ 3,200</b>	<b>\$ 3,200</b>	<b>\$ 3,200</b>	<b>\$ 3,200</b>	<b>\$ 3,200</b>	<b>\$ 3,200</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2020	2021	2022	2023	2024	2025	2026
6301	GMC SAVANA Van	2006	2027	-	20	-	-	-	-	-	-	-
				\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

CASH FLOW	2020	2021	2022	2023	2024	2025	2026
<b>BEGINNING CASH</b>	<b>21,868</b>	<b>24,093</b>	<b>26,843</b>	<b>29,643</b>	<b>32,443</b>	<b>35,293</b>	<b>38,418</b>
Contributions	2,000	2,500	2,500	2,500	2,500	2,750	2,750
Interest & Vehicle Sales	225	250	300	300	350	375	-
Reserves Used	-	-	-	-	-	-	-
<b>Projected year end Cash</b>	<b>24,093</b>	<b>26,843</b>	<b>29,643</b>	<b>32,443</b>	<b>35,293</b>	<b>38,418</b>	<b>41,168</b>



# EQUIPMENT SERVICES VEHICLE REPLACEMENT SCHEDULE DIVISION - 7630

## ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for Equipment Services.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Utilities Rental of vehicles	4520	\$ 68,800	\$ 90,000	\$ 90,000	\$ 85,000	\$ 80,000	\$ 80,000	\$ 75,000
General Fund Rental of vehicles	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	395-xxxx	3,925	4,225	2,600	3,475	3,525	-	750
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 72,725</b>	<b>\$ 94,225</b>	<b>\$ 92,600</b>	<b>\$ 88,475</b>	<b>\$ 83,525</b>	<b>\$ 80,000</b>	<b>\$ 75,750</b>

EXPENDITURES								
Other Equipment	-	-	-	-	-	-	-	-
Replacement of Vehicles	-	64,300	255,400	-	79,800	434,800	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 64,300</b>	<b>\$ 255,400</b>	<b>\$ -</b>	<b>\$ 79,800</b>	<b>\$ 434,800</b>	<b>\$ -</b>	<b>\$ -</b>

MAINTENANCE	EXPENSE OBJECT	2020	2021	2022	2023	2024	2025	2026
Fuel	3210	7,300	7,300	7,300	7,300	7,300	7,300	7,300
Parts & Repair	4521	38,900	38,900	38,900	38,900	38,900	38,900	38,900
Equipment Rental	4533	100	100	100	100	100	100	100
<b>TOTAL MAINTENANCE</b>		<b>\$ 46,300</b>	<b>\$ 46,300</b>	<b>\$ 46,300</b>	<b>\$ 46,300</b>	<b>\$ 46,300</b>	<b>\$ 46,300</b>	<b>\$ 46,300</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2020	2021	2022	2023	2024	2025	2026
NEW Corp Fuel Pump and Fuel Line	2018	2038	29,000	20	-	-	-	-	-	-	-
15 GMC S10 4x4 Pick-up	1995	2024	38,900	29	-	-	-	-	38,900	-	-
1246 DODGE 1 TON w/SER BODY	1999	2022	76,600	23	-	-	76,600	-	-	-	-
1247 CAT FORK LIFT V50D	1991	2021	28,600	30	-	28,600	-	-	-	-	-
1248 LINCOLN/WELDER	1994	2024	15,300	30	-	-	-	-	15,300	-	-
1490 HYUNDAI SEDAN	2014	2024	25,600	10	-	-	-	-	25,600	-	-
1569 CATERPILLAR WHL LOADER	1988	2022	178,800	34	-	-	178,800	-	-	-	-
1570 CASE LOADER BACKHOE	1995	2025	127,900	30	-	-	-	-	-	127,900	-
1581 10 YD DUMP TRUCK	1995	2025	306,900	30	-	-	-	-	-	306,900	-
1891 HYUNDAI SONATA HYBRID	2019	2029	25,600	10	-	-	-	-	-	-	-
5602 DODGE CARAVAN	2006	2021	35,700	15	-	35,700	-	-	-	-	-
7421 SELMA TRAILER	2007	2032	10,300	25	-	-	-	-	-	-	-
1690 GENERATOR	2016	2041	51,600	25	-	-	-	-	-	-	-
Miller Dimension 452 Welder	2018	2033	11,300	15	-	-	-	-	-	-	-
			<b>\$ 962,100</b>		<b>\$ -</b>	<b>\$ 64,300</b>	<b>\$ 255,400</b>	<b>\$ -</b>	<b>\$ 79,800</b>	<b>\$ 434,800</b>	<b>\$ -</b>

CASH FLOW	2020	2021	2022	2023	2024	2025	2026
<b>BEGINNING CASH</b>	<b>324,976</b>	<b>397,701</b>	<b>427,626</b>	<b>264,826</b>	<b>353,301</b>	<b>357,026</b>	<b>2,226</b>
Rental income	68,800	90,000	90,000	85,000	80,000	80,000	75,000
Interest & Vehicle Sales	3,925	4,225	2,600	3,475	3,525	-	750
Reserves Used	-	(64,300)	(255,400)	-	(79,800)	(434,800)	-
<b>Projected year end Cash</b>	<b>397,701</b>	<b>427,626</b>	<b>264,826</b>	<b>353,301</b>	<b>357,026</b>	<b>2,226</b>	<b>77,976</b>



# INFORMATION TECHNOLOGY VEHICLE REPLACEMENT SCHEDULE DIVISION - 2081

## ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for Information Technologies.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Utilities	4520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund	4520	-	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	275	300	300	300	325	325	350	
Internal Service Funds	4520	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 1,275</b>	<b>\$ 1,300</b>	<b>\$ 1,300</b>	<b>\$ 1,300</b>	<b>\$ 1,325</b>	<b>\$ 1,325</b>	<b>\$ 1,350</b>	

EXPENDITURES								
Other Equipment	-	-	-	-	-	-	-	-
Replacement of Vehicles	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

MAINTENANCE	EXPENSE OBJECT	2020	2021	2022	2023	2024	2025	2026
Fuel	3210	200	200	200	200	200	200	200
Parts & Repair	4521	1,100	1,100	1,100	1,100	1,100	1,100	1,100
Equipment Rental	4533	100	100	100	100	100	100	100
<b>TOTAL MAINTENANCE</b>		<b>\$ 1,400</b>	<b>\$ 1,400</b>	<b>\$ 1,400</b>	<b>\$ 1,400</b>	<b>\$ 1,400</b>	<b>\$ 1,400</b>	<b>\$ 1,400</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2020	2021	2022	2023	2024	2025	2026
8101	HYUNDAI VAN	2007	2032	35,900	25	-	-	-	-	-	-	-
				<b>\$ 35,900</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

CASH FLOW	2020	2021	2022	2023	2024	2025	2026
<b>BEGINNING CASH</b>	<b>27,353</b>	<b>28,628</b>	<b>29,928</b>	<b>31,228</b>	<b>32,528</b>	<b>33,853</b>	<b>35,178</b>
Contributions	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Interest & Vehicle Sales	275	300	300	300	325	325	350
Reserves Used	-	-	-	-	-	-	-
<b>Projected year end Cash</b>	<b>28,628</b>	<b>29,928</b>	<b>31,228</b>	<b>32,528</b>	<b>33,853</b>	<b>35,178</b>	<b>36,528</b>



# STREETS VEHICLE REPLACEMENT SCHEDULE DIVISIONS - 102-7230

## ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Streets operations vehicles.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Utilities	4520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund	4520	75,000	85,000	95,000	100,000	105,000	110,000	115,000	
Interest & Vehicles Sales	4520	6,325	2,950	3,675	4,450	3,050	675	225	
Internal Service Funds	4520	-	-	-	-	-	-	-	
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 81,325</b>	<b>\$ 87,950</b>	<b>\$ 98,675</b>	<b>\$ 104,450</b>	<b>\$ 108,050</b>	<b>\$ 110,675</b>	<b>\$ 115,225</b>	

EXPENDITURES								
Other Equipment		-	-	-	-	-	-	-
Replacement of Vehicles		548,800	428,900	25,500	25,600	250,800	350,400	159,600
<b>TOTAL</b>		<b>\$ 548,800</b>	<b>\$ 428,900</b>	<b>\$ 25,500</b>	<b>\$ 25,600</b>	<b>\$ 250,800</b>	<b>\$ 350,400</b>	<b>\$ 159,600</b>

MAINTENANCE		EXPENSE OBJECT	2020	2021	2022	2023	2024	2025	2026
Fuel		3210	29,600	29,600	29,600	29,600	29,600	29,600	29,600
Parts & Repair		4521	149,200	149,200	149,200	149,200	149,200	149,200	149,200
Equipment Rental		4533	27,000	27,000	27,000	27,000	27,000	27,000	27,000
<b>TOTAL MAINTENANCE</b>			<b>\$ 205,800</b>	<b>\$ 205,800</b>	<b>\$ 205,800</b>	<b>\$ 205,800</b>	<b>\$ 205,800</b>	<b>\$ 205,800</b>	<b>\$ 205,800</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2020	2021	2022	2023	2024	2025	2026
1040	HYDRO SEEDER	2010	2025	13,800	15	-	-	-	-	-	13,800	-
1041	WATER TANK TRAILER	2000	2030	12,400	30	-	-	-	-	-	-	-
1042	TRAFFIC BOARD	2010	2030	16,500	20	-	-	-	-	-	-	-
1242	EXCAVATOR TRAILER	2012	2032	4,500	20	-	-	-	-	-	-	-
1243	EXCAVATOR	2012	2032	113,300	20	-	-	-	-	-	-	-
1340	FORD F450 FLATBED	2013	2028	44,400	15	-	-	-	-	-	-	-
1341	CRACK SEALER	2013	2038	62,700	25	-	-	-	-	-	-	-
1440	JOHN DEERE GRADER 14'	2008	2033	160,700	25	-	-	-	-	-	-	-
1441	BITUMINOUS APPLICATOR	2014	2034	22,200	20	-	-	-	-	-	-	-
1501	STREET FLUSHER -	1992	2042	75,500	25	-	-	-	-	-	-	-
1506	NEW HOLLAND BOOM MOWER	2001	2021	173,600	20	-	173,600	-	-	-	-	-
1568	FREIGHTLINER W/PATCH BOX	2001	2021	255,300	20	-	255,300	-	-	-	-	-
1576	LINCOLN TILTBED TRAILER	1994	2024	20,700	30	-	-	-	-	20,700	-	-
1579	FORD 6-8 YD DUMP	1990	2020	156,100	29	156,100	-	-	-	-	-	-
1597	BOMAG ASPHALT ROLLER	1993	2022	25,500	29	-	-	25,500	-	-	-	-
1598	INGERSOL RAND COMPRESSOR	1993	2023	25,600	27	-	-	-	25,600	-	-	-
1599	GARLAND TRAILER	1985	2025	4,100	40	-	-	-	-	-	4,100	-
1603	FREIGHTLINER 5YD DUMP TRUCK	2001	2020	318,400	19	318,400	-	-	-	-	-	-
1790	INTERNATIONAL 5YD DUMP	2004	2024	230,100	20	-	-	-	-	230,100	-	-
4701	GMC SIERRA 3500 SERVICE TRUCK	2004	2020	74,300	16	74,300	-	-	-	-	-	-
5505	ASPHALT HEATER - will surplus	2005	2015	-	10	-	-	-	-	-	-	-
6501	GMC CANYON PU 4X4	2006	2026	38,900	20	-	-	-	-	-	-	38,900
6502	FORD F550 DUMP TRUCK	2006	2026	81,900	20	-	-	-	-	-	-	81,900
6503	MESSAGE BOARD (7505)	2006	2031	9,600	25	-	-	-	-	-	-	-
6504	PUCKET ASPHALT PAVER	2006	2026	38,800	20	-	-	-	-	-	-	38,800
7501	MONROE SAND SPREADER	2007	2017	15,300	10	-	-	-	-	-	-	-
7503	FORD F450 BOX TRUCK	2007	2027	76,800	20	-	-	-	-	-	-	-
7505	FORD F550 SIGN TRUCK	2008	2028	76,800	20	-	-	-	-	-	-	-
8501	PF DECKOVER TILT TRAILER	2008	2033	7,400	25	-	-	-	-	-	-	-
NEW	HERB SPRAY ATTACH.	2018	2028	9,200	10	-	-	-	-	-	-	-
NEW	10 YD ROLLOFF DUMP TRUCK		2025	332,500	20	-	-	-	-	-	332,500	-
1640	TRAFFIC CRASH ATTENUATOR	2016	2036	30,900	20	-	-	-	-	-	-	-
1740	CONCRETE CUTTING TRAILER	2017	2047	3,100	30	-	-	-	-	-	-	-
				<b>\$ 2,530,900</b>		<b>\$ 548,800</b>	<b>\$ 428,900</b>	<b>\$ 25,500</b>	<b>\$ 25,600</b>	<b>\$ 250,800</b>	<b>\$ 350,400</b>	<b>\$ 159,600</b>

CASH FLOW	2020	2021	2022	2023	2024	2025	2026
<b>Cash Balance</b>	<b>1,107,489</b>	<b>640,014</b>	<b>299,064</b>	<b>372,239</b>	<b>451,089</b>	<b>308,339</b>	<b>68,614</b>
Contributions	75,000	85,000	95,000	100,000	105,000	110,000	115,000
Interest & Sales	6,325	2,950	3,675	4,450	3,050	675	225
Reserves Used	(548,800)	(428,900)	(25,500)	(25,600)	(250,800)	(350,400)	(159,600)
<b>Projected year end Cash</b>	<b>640,014</b>	<b>299,064</b>	<b>372,239</b>	<b>451,089</b>	<b>308,339</b>	<b>68,614</b>	<b>24,239</b>

Surplus boom truck #1360 in Water and Street flusher in 2017 to purchase a 10 yd dump for use by all divisions.

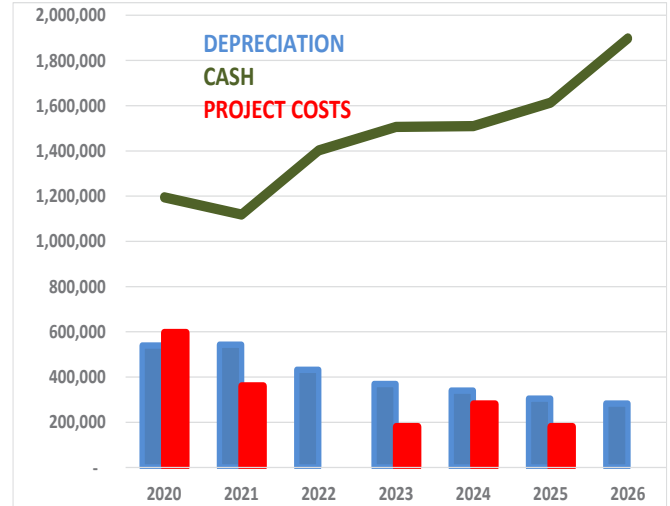


# INFORMATION TECHNOLOGY



# INFORMATION TECHNOLOGY PROJECTS

CFP YEAR: 2021 - 2026  
 MANAGER: TODD WEEKS  
 CONTACT: TWEEKS@CITYOFPA.US  
 PHONE: 360-417-4512



## INFORMATION TECHNOLOGIES GOALS AND OBJECTIVES:

The goal of the Information Technologies (IT) capital plan is to provide computer, communication, and audio visual systems to allow for growth and backup for future needs. The IT group maintains both hardware and software for governmental and utility services. This fund is an internal service fund and provides services citywide.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITY PLAN					
			2021	2022	2023	2024	2025	2026
Utilities Reserves	\$ 122,600	\$ 415,178	\$ 333,200	\$ 89,700	\$ 223,100	\$ 89,900	\$ 205,900	\$ 72,700
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	73,900	145,822	126,800	31,600	78,400	31,500	72,200	25,400
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 196,500</b>	<b>\$ 561,000</b>	<b>\$ 460,000</b>	<b>\$ 121,300</b>	<b>\$ 301,500</b>	<b>\$ 121,400</b>	<b>\$ 278,100</b>	<b>\$ 98,100</b>

EXPENDITURES	Prior	2020	2021	2022	2023	2024	2025	2026
Design	-	62,000	-	-	-	30,000	-	-
Construction	115,000	534,000	360,000	-	180,000	250,000	180,000	-
<b>TOTAL</b>	<b>\$ 115,000</b>	<b>\$ 596,000</b>	<b>\$ 360,000</b>	<b>\$ -</b>	<b>\$ 180,000</b>	<b>\$ 280,000</b>	<b>\$ 180,000</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2020	2021	2022	2023	2024	2025	2026
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	18,200	117,957	171,400	171,400	178,914	225,581	205,095
Other	-	-	6,000	6,000	6,000	6,000	6,000	6,000
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 18,200</b>	<b>\$ 123,957</b>	<b>\$ 177,400</b>	<b>\$ 177,400</b>	<b>\$ 184,914</b>	<b>\$ 231,581</b>	<b>\$ 211,095</b>

PROJECTS COMPLETED IN 2019	Actual	Budget
ITo217 - SCADA Server replacements	84,138	84,900
<b>TOTAL COMPLETED PROJECTS</b>	<b>84,138</b>	<b>84,900</b>

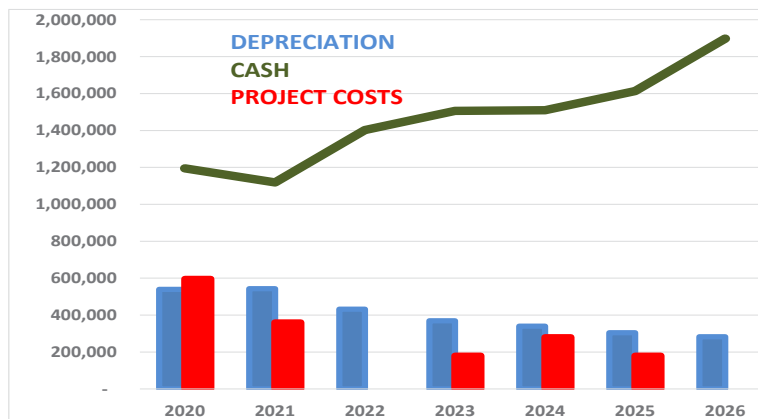
Completed projects are not included in the ongoing projects totals for expenditures or revenues.



# IT PROJECT LIST & CASH FLOW

Number	INFORMATION TECHNOLOGY PROJECTS Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	Budget 2020	CAPITAL FACILITIES PLAN					
						2021	2022	2023	2024	2025	2026
IT0714	Data Backup Systems Replacement	R	210,000	-	210,000	-	-	-	-	-	-
IT0514	Data Storage Array Systems	R	150,000	-	-	150,000	-	-	-	-	-
IT0319	Network Refresh	R	280,000	-	-	-	-	-	280,000	-	-
IT0918	Internal Network Segmentation & VLAN Configuration	A	221,000	91,000	130,000	-	-	-	-	-	-
IT0218	Click2Gov3 / Fusion	A	14,900	9,900	5,000	-	-	-	-	-	-
IT0816	Facility and Class Management Scheduling	A	10,000	-	10,000	-	-	-	-	-	-
IT0214	Records Management System	A	104,100	14,100	-	30,000	-	30,000	-	30,000	-
IT0416	Cemetery Software	A	30,000	-	30,000	-	-	-	-	-	-
IT0119	Wireless Bridge	A	60,000	-	60,000	-	-	-	-	-	-
IT0716	ERP Road Map	1	50,000	-	50,000	-	-	-	-	-	-
IT0219	City Hall Wireless Network	2	21,000	-	21,000	-	-	-	-	-	-
IT1018	UPS Replacement - Disaster Recovery Data Center	3	60,000	-	60,000	-	-	-	-	-	-
IT1118	IT Security Audit	4	20,000	-	20,000	-	-	-	-	-	-
IT0617	Executime Scheduling Module	5	30,000	-	-	30,000	-	-	-	-	-
IT0618	Virtual Server Replacements	6	450,000	-	-	150,000	-	150,000	-	150,000	-
IT0120	Development Services Permitting Software	UF	100,000	-	-	-	-	-	-	-	-
IT0216	Business License System	UF	125,000	-	-	-	-	-	-	-	-
IT1213	Enterprise Information System	UF	3,200,000	-	-	-	-	-	-	-	-
IT0220	On/Off Boarding Software	UF	25,000	-	-	-	-	-	-	-	-
IT0320	ESRI Migration to Arc Pro	UF	100,000	-	-	-	-	-	-	-	-
<b>Total</b>			<b>5,261,000</b>	<b>115,000</b>	<b>596,000</b>	<b>360,000</b>	<b>-</b>	<b>180,000</b>	<b>280,000</b>	<b>180,000</b>	<b>-</b>

CASH FLOW ANALYSIS	2020	2021	2022	2023	2024	2025	2026
Beginning Cash Balance	1,507,014	1,194,814	1,118,614	1,402,414	1,506,214	1,510,014	1,613,814
<b>Funding sources:</b>							
Utilities Reserves	204,200	204,200	204,200	204,200	204,200	204,200	204,200
Grants	-	-	-	-	-	-	-
Use of existing reserves in IT	-	-	-	-	-	-	-
General Fund	73,100	73,100	73,100	73,100	73,100	73,100	73,100
Interest/Donations	-	-	-	-	-	-	-
Other Funds	6,500	6,500	6,500	6,500	6,500	6,500	6,500
Project Costs	(596,000)	(360,000)	-	(180,000)	(280,000)	(180,000)	-
<b>Ending Cash Balance</b>	<b>1,194,814</b>	<b>1,118,614</b>	<b>1,402,414</b>	<b>1,506,214</b>	<b>1,510,014</b>	<b>1,613,814</b>	<b>1,897,614</b>
<b>Depreciation</b>	<b>539,060</b>	<b>543,162</b>	<b>432,058</b>	<b>369,281</b>	<b>340,004</b>	<b>304,660</b>	<b>282,195</b>
<b>Depreciation to Cash Ratio</b>	<b>2.22</b>	<b>2.06</b>	<b>3.25</b>	<b>4.08</b>	<b>4.44</b>	<b>5.30</b>	<b>6.72</b>



**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** TODD WEEKS  
**ESTIMATED LIFE:** 7 YEARS

**ABOUT THE PROJECT:**

Replacement of the City's primary, secondary and remote data backup systems and their components.

**JUSTIFICATION:**

The primary and secondary data backup systems and their components were originally installed in 2012. In 2014, the primary system was completely updated. With this upgrade we were able to reallocate the prior primary system for the eastern Washington location repository. Since it would be a repository with minimal processing and duplication requirements, it solved two different issues. This project replacement plan is to replace/upgrade the systems hardware and software to newer platforms and versions while maintaining all database integrity and archival backup storage for all three sites. Due to the heavy daily use of tapeless backup systems, and its associated hardware, the life cycle is 5-6 years. The current system provides backup to approximately 150+ different systems and types on various schedules.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund		\$ 155,400	\$ 22,200	\$ 22,200	\$ 22,200	\$ 22,200	\$ 22,200	\$ 22,200
Grants								
Bonds								
General Fund		54,600	7,800	7,800	7,800	7,800	7,800	7,800
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 210,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		210,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 210,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 210,000**



**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** TODD WEEKS  
**ESTIMATED LIFE:** 7 YEARS

**ABOUT THE PROJECT:**

Replacement of City multiple network data storage arrays and associated hardware interfaces due to reaching end-of-life equipment threshold.

**JUSTIFICATION:**

The current SAN network data storage array systems with their associated switches and communication hardware were replaced in 2011. The data mirroring part of the project was installed in late 2011 at the City's redundant site. All server hard drive primary storage resides on these storage arrays due to the multiple layers of redundancy and fail over capabilities. Life expectancy of 24/7 critical primary storage is 5-8 years dependant upon the environment and factors affecting units, such as load and I/O accesses. Due to current environmental issues, speed performance and hard drive failures, the recommendation for replacement is 6 years. Replacement will consist of same redundancy capabilities and multi-layer fail-over requirements as well as faster drives and expansion to meet further growth.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund			\$ 111,000	\$ 15,900	\$ 15,900	\$ 15,900	\$ 15,900	\$ 15,900
Grants								
Bonds								
General Fund			39,000	5,600	5,600	5,500	5,500	5,500
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 150,000</b>	<b>\$ 21,500</b>	<b>\$ 21,500</b>	<b>\$ 21,400</b>	<b>\$ 21,400</b>	<b>\$ 21,400</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction			150,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 150,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$150,000**



**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** TODD WEEKS  
**ESTIMATED LIFE:** 6 YEARS

**ABOUT THE PROJECT:**

Cemetery records have historically not been digitized or electronically tracked. Cemetery software will allow for streamlined processes and better tracking of documents. The City will evaluate network equipment; such as Cisco Meraki switches, routers and firewalls have a 5-7 year lifespan, and must be replaced to keep the City's network secure and functional. A business process analysis will be performed before software selection to ensure all needs are met.

**JUSTIFICATION:**

If equipment does not meet standards for security programming the City's network will be vulnerable to cyber attacks.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund			\$ 51,800	\$ 51,800	\$ 51,800	\$ 51,800	\$ 34,600	\$ 34,600
Grants								
Bonds								
General Fund			18,200	18,200	18,200	18,200	12,100	12,100
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 70,000</b>	<b>\$ 70,000</b>	<b>\$ 70,000</b>	<b>\$ 70,000</b>	<b>\$ 46,700</b>	<b>\$ 46,700</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design						30,000		
Construction						250,000		
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 280,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 280,000**



# INTERNAL NETWORK SEGMENTATION & VLAN CONFIGURATION

IT0918

**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** TODD WEEKS  
**ESTIMATED LIFE:** 7 YEARS

**ABOUT THE PROJECT:**

Design and configure an internal virtual local area network (VLAN) assignments for departmental traffic to help improve network communication performance. Traffic will also be site internal and external pathways between locations.

**JUSTIFICATION:**

Implementation of traffic prioritization and quality of service (QOS) for internal departments will allow us to separate network traffic based on applications and need. Additional data isolation and security features will also be made available with programmed separation. Additional VLAN segmentation to allow for Wave to provide a single VLAN interface and all other internal VLAN segmentation and traffic isolation is done internally allowing for communication cost savings.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund	\$ 72,800	\$ 96,200						
Grants								
Bonds								
General Fund	18,200	33,800						
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 91,000</b>	<b>\$ 130,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction	91,000	130,000						
<b>TOTAL</b>	<b>\$ 91,000</b>	<b>\$ 130,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 221,000**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** LINDA KHERIATY  
**ESTIMATED LIFE:** 7 YEARS

**ABOUT THE PROJECT:**

Installation of Click2gov3 and Fusion to enable building permit filing online, balance searches for utilities and a multitude of other online functionality to customers.

**JUSTIFICATION:**

Installation of Paymentus which allows automated phone and online payments and does not require validation. Click2Gov3 will allow customers to see how much they owe, research the status of permits and other functions providing the customer the ability to look up account inquiries without having to interact with a person at City Hall. This also allows for the auto application of payments to utility and permit customers' accounts.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund	\$ 5,000							
Grants								
Bonds								
General Fund	10,000							
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 15,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction	9,900	5,000						
<b>TOTAL</b>	<b>\$ 9,900</b>	<b>\$ 5,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$14,900**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 7 YEARS

**ABOUT THE PROJECT:**

Procure and implement an automated online scheduling system for use of City Facilities.

**JUSTIFICATION:**

Increased organizational efficiency, customer service and improved productivity.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	10,000							
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 10,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		10,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 10,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$10,000**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** TODD WEEKS/KARI MARTI  
**ESTIMATED LIFE:** 7 YEARS

**ABOUT THE PROJECT:**

Project involves a citywide evaluation of type and quantity of electronic and physical records and development of a plan to recatalog and implement records through hardware, software, conversion and training into the City's Records Management System. The project plan is to have an outside consultant familiar with our Records Management System to do a City-Wide data survey of types and quantities retained currently and provide a multi-year project plan. This plan would identify what software modules, user licenses or hardware are required. This plan would also estimate the cost to train staff. The expectation is to have all staff using recommended records retention guidelines, reduce redundancy, and ensure compliance with Washington State requirements (RCW). The rollout plan by year is: 1) Finance plus tracking software; 2) Community Development; 3) Public Works; 4) All other departments.

**JUSTIFICATION:**

Currently there is no cohesive plan on what type and quantity of records are being retained by the City's departments. Due to this issue, there is no quick or precise way to search or regulate which records have retention value, what that retention is or if they have met the Washington State RCW requirements for end-of-life and should be purged.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund	\$ 44,800		\$ 22,200		\$ 22,200		\$ 22,200	
Grants								
Bonds								
General Fund	15,700		7,800		7,800		7,800	
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 60,500</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction	14,100		30,000		30,000		30,000	
<b>TOTAL</b>	<b>\$ 14,100</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$150,000**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 7 YEARS

**ABOUT THE PROJECT:**

Evaluation of off the shelf products for cemetery operations, with potential purchase of both hardware and software, with the possibility of a cloud based solution to better meet the City's requirements. The solution should include tracking administration, mapping, records management, including deposits and prepaid items. This is not a shared cost with utilities.

\*Business Process Analysis Required BEFORE purchasing software.  
 (know your problem before you try and solve it.)

**JUSTIFICATION:**

Efficiency for staff and customers.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	30,000							
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		30,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$30,000**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** TODD WEEKS  
**ESTIMATED LIFE:** 7 YEARS

**ABOUT THE PROJECT:**

Utilize wireless microwave technology to create a redundant wireless link from City Hall to the Fire Hall to E Street Reservoir to the Corp Yard. Three `pairs` of line-of-sight wireless transmission and reception devices tied into the City Network will create a redundant path to our Emergency Operations Center (EOC) and Disaster Recovery sites and provide for communications in the case of Wave fiber failure.

**JUSTIFICATION:**

Critical for business continuity and disaster recovery when faced with a natural or national emergency event that disables wired (fiber) communications.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund		\$ 44,400						
Grants								
Bonds								
General Fund		15,600						
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 60,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		10,000						
Construction		50,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 60,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$60,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** SARINA CARRIZOSA  
**ESTIMATED LIFE:** 7 YEARS

**ABOUT THE PROJECT:**

Complete a formal evaluation of the current Enterprise system to assess how the system is meeting the City's needs. This project would include consultant services to complete the evaluation, including review of all modules currently used and investigating paperless options, electronic automation of workflow, identifying improvements of interfaces between modules, integration and wire transfers of data. Focus on the next four years and whether the system is currently meeting needs. The first phase of this project will include determining workflows in each department to ensure software selected can meet all City needs.

**JUSTIFICATION:**

Increased organizational efficiency for internal and external customers and improved productivity.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund		\$ 37,000						
Grants								
Bonds								
General Fund		13,000						
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		50,000						
Construction								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$50,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** TODD WEEKS  
**ESTIMATED LIFE:** 5 YEARS

**ABOUT THE PROJECT:**

Create a wireless access point (WAP) network within City Hall for employee and consultant use.

**JUSTIFICATION:**

Conference rooms and Council Chambers currently do not have wireless network access making it difficult to conduct meetings with consultants and citizens. Allows employees to be more collaborative by enabling movement without dropping signals and increases security.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund		\$ 15,540						
Grants								
Bonds								
General Fund		5,460						
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 21,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		1,000						
Construction		20,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 21,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 21,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** TODD WEEKS  
**ESTIMATED LIFE:** 5 YEARS

**ABOUT THE PROJECT:**

Replacement of current uninterrupted power supply/conditioner/battery backup for critical servers and systems residing at current disaster redundancy data center located at the Corporation Yard.

**JUSTIFICATION:**

The current residing UPS is over 10 years old and has exceeded its life cycle expectancy. The current system supports power needs and emergency power needs for critical redundancy systems for city resources. Unplanned failure of equipment would be detrimental to both the systems it supports and the data they retain that may become unrecoverable.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund		\$ 44,400						
Grants								
Bonds								
General Fund		15,600						
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 60,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		1,000						
Construction		59,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 60,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$60,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** NATHAN WEST  
**ESTIMATED LIFE:** 5 YEARS

**ABOUT THE PROJECT:**

Working with outside consultants, and Information Technology employees develop a best practice document for the City of Port Angeles IT Team as part of the City's work plan. The City is on the state list of an audit in 2021. If any recommendations are a result of this audit there will potentially be additional costs associated with compliance. A consultant will be hired to conduct this portion of the audit.

**JUSTIFICATION:**

The City has been operating under the same, or similar, processing and structure for over 20 years. This will allow the City to leverage expert knowledge to streamline programs and processes.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund		\$ 14,800						
Grants								
Bonds								
General Fund		5,200						
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 20,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		20,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 20,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$20,000**



**PROJECT STATUS:** PRE-PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** LINDA KHERIATY/ABBI FOUNTAIN  
**ESTIMATED LIFE:** 7 YEARS

**ABOUT THE PROJECT:**

Enhancement of current supported Executime payroll timekeeping software with a scheduling module, to allow field crews to access time sheets in real time.

**JUSTIFICATION:**

The current Executime system works directly with the City's enterprise software system. The enhancement will allow for payroll, HR and supervisors to incorporate employee scheduling dependent upon shifts directly. This will allow for employees to enter time accordingly based on their scheduled shifts. This function is not currently available for staff.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund			\$ 15,000					
Grants								
Bonds								
General Fund			15,000					
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction			30,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$30,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** TODD WEEKS  
**ESTIMATED LIFE:** 7 YEARS

**ABOUT THE PROJECT:**

The replacement of physical servers for stand alone applications or multi-server virtual clusters will be staggered with two to three servers replaced every two years based on a life expectancy of 5-7 years. The servers also require a yearly maintenance cost of \$6,000.

**JUSTIFICATION:**

Creation of a scheduled replacement plan for SQL server replacements based on a 5-7 year cycle will create efficiencies and security. Critical servers will be based on a 5 year replacement plan. Critical servers examples are virtual cluster servers due to their utilization and performance needs.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund			\$ 111,000		\$ 111,000		\$ 111,000	
Grants								
Bonds								
General Fund			39,000		39,000		39,000	
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 150,000</b>	<b>\$ 0</b>	<b>\$ 150,000</b>	<b>\$ 0</b>	<b>\$ 150,000</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction			150,000		150,000		150,000	
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 150,000</b>	<b>\$ 0</b>	<b>\$ 150,000</b>	<b>\$ 0</b>	<b>\$ 150,000</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other			6,000	6,000	6,000	6,000	6,000	6,000
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 6,000</b>	<b>\$ 6,000</b>	<b>\$ 6,000</b>	<b>\$ 6,000</b>	<b>\$ 6,000</b>	<b>\$ 6,000</b>

**ESTIMATED TOTAL PROJECT COST: \$ 450,000**



# IT UNFUNDED CAPITAL PROJECTS

Projects identified as necessary, but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding, allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

## DEVELOPMENT SERVICES E-PERMITTING SOFTWARE

IT0120

**PROJECT STATUS:** PRE-PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** TODD WEEKS/  
ALLYSON BREKKE/THOMAS HUNTER  
**ESTIMATED LIFE:** 10 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$100,000

### **ABOUT THE PROJECT:**

The purchase of new software, or upgrade of the existing Central Square software, for the establishment of digital/e-permitting and application processing for the City's development services (planning, building, engineering). Goals for the project: 1) Allowing customers to submit land use applications, building permits, ROW permits and other engineering permits through a digital platform, 2) Efficient digital routing of applications and permits for staff review, 3) Issuance of applications and permits through a digital platform to the customers and 4) Performing digital site and building inspections so updated "live" in software.

### **JUSTIFICATION:**

The existing Central Square Planning and Engineering and Building platforms are cumbersome and problematic and are not create an efficient system for staff nor a convenient system for customers. Several City development services are being offered in a digital format and it's important to ensure the City of Port Angeles is keeping up with technology advances.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** KARI MARTINEZ-BAILEY  
**ESTIMATED LIFE:** 7 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$125,000

**ABOUT THE PROJECT:**

The FIS occupation licensing system is used as the basis for processing the City's business license applications and renewals. This project will analyze the City license process and recommend a commercial off the shelf system, if one exists that better meets the City requirements. Enhancements include a web interface to provide customers with online convenience, including electronic renewals. There is no cost sharing with utilities as the activity is 100% governmental.

**JUSTIFICATION:**

Efficiency for customers and staff.

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** SARINA CARRIZOSA  
**ESTIMATED LIFE:** 7 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$3,200,000

**ABOUT THE PROJECT:**

Replace or upgrade the enterprise software system used for financial, community development and utility tracking and reporting. Replacement options and recommendations will be presented as part of IT0716 - ERP Road Map for consideration.

**JUSTIFICATION:**

The current financial enterprise software system utilized by City staff for tracking and reporting will need to be replaced within the next 5 years. This system integrates 30 different modules to the general ledger, and has been the system of record since 2002. With emerging technologies and platforms, due diligence and review are necessary. This replacement system should be all encompassing, involving all departments, including integration into other software types and platforms.



**PROJECT STATUS:** PRE-PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** ABBI FOUNTAIN  
**ESTIMATED LIFE:** 5-7 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$25,000

**ABOUT THE PROJECT:**

Create a digital workflow process to encapsulate the manual ON and OFF Boarding activities of City Employees including financial systems setup, Information technology security and account setups, document management while routing requests and authorizations to Managers via email or Forms. The City is currently working with the Washington State Auditor's Office to conduct a LEAN process survey of the current workflow to determine the best way to move forward with this project. There is no cost associated with this study. Additionally, this project was identified as a top priority of the IT Governance Committee.

**JUSTIFICATION:**

Streamline manual processes for more accurate and efficient delivery of documents and information. First and last impressions of the organization are critical to employee retention and satisfaction.

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** SHALIESH SHERE  
**ESTIMATED LIFE:** 8-10 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$100,000

**ABOUT THE PROJECT:**

Geographical Information System (GIS) is used to map City assets, is needed in multiple departments within the City, and used extensively by all Public Works utilities for conducting day to day business. This project will include server clusters of at least four (4) virtual servers to create 'ESRI ARCPro' required geodatabases on these servers using the new schema. The creation and population of new geodatabases will be done in-house over a period of 18 to 24 months after the server farm has been deployed.

**JUSTIFICATION:**

ESRI is the City's vendor for the GIS system. Recently ESRI announced the phasing out its ArcMap platform. City is currently on ESRI's ArcMap platform. ESRI will be migrating to a new ArcGIS Pro platform. ESRI has also announced that the product support for the soon to be phased out version will end in the year 2024.



CITY OF PORT ANGELES



2021 - 2026  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN



# TRANSPORTATION IMPROVEMENT PLAN



# TRANSPORTATION BENEFIT DISTRICT TRANSPORTATION IMPROVEMENT PLAN

CFP YEAR: 2021 - 2026  
 MANAGER: JONATHAN BOEHME  
 CONTACT: WWW.CITYOFPA.US  
 PHONE: 360-417-4803

## TRANSPORTATION GOALS AND OBJECTIVES:

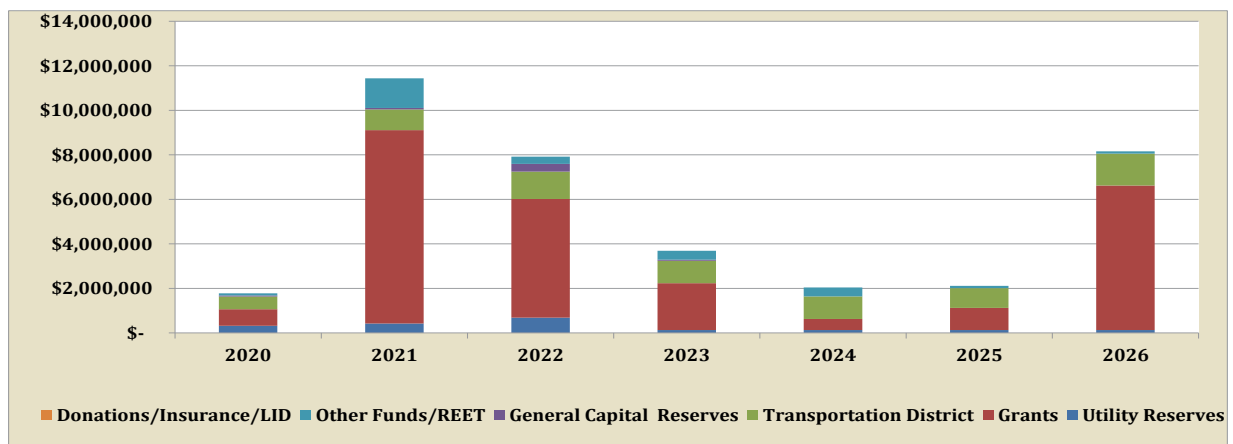
The goal of the Transportation Improvement Plan is to objectively review all streets, curbing, sidewalks and parking areas for damage and needed repair. The transportation goal is to have well maintained streets and sidewalks, to add sidewalks in annexed areas as needed, and provide bicycle transportation lanes.

The goal of the newly created Transportation Benefit District is to fund transportation improvements that preserve, and maintain the operation of existing transportation infrastructure of the City, consistent with the requirements of RCW 36.73. The funds expended by the district shall preserve, maintain and operate the City's previous investments in the transportation infrastructure, reduce the risk of transportation facility failure, improve safety, and continue with cost effective optimal performance of the City's transportation system.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Utility Reserves	\$ 851,300	\$ 318,700	\$ 421,300	\$ 687,500	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000
Grants	1,066,300	745,100	8,690,600	5,330,000	2,110,000	500,000	1,000,000	6,500,000
Transportation District	14,500	570,000	930,000	1,230,000	1,005,000	1,015,000	885,000	1,430,000
General Capital Reserves	482,900	45,000	63,000	347,500	50,000	-	-	-
Donations/Insurance/LID	-	-	-	-	-	-	-	-
Other Funds/REET	333,400	96,300	1,330,000	325,000	400,000	400,000	100,000	100,000
<b>TOTAL</b>	<b>\$ 2,748,400</b>	<b>\$ 1,775,100</b>	<b>\$ 11,434,900</b>	<b>\$ 7,920,000</b>	<b>\$ 3,690,000</b>	<b>\$ 2,040,000</b>	<b>\$ 2,110,000</b>	<b>\$ 8,155,000</b>

EXPENDITURES	Prior	2020	2021	2022	2023	2024	2025	2026
Design	574,600	1,029,700	391,300	335,000	95,000	185,000	20,000	10,000
Construction	607,100	1,214,900	11,405,200	7,360,000	3,580,000	1,755,000	2,065,000	8,420,000
<b>TOTAL</b>	<b>\$ 1,181,700</b>	<b>\$ 2,244,600</b>	<b>\$ 11,796,500</b>	<b>\$ 7,695,000</b>	<b>\$ 3,675,000</b>	<b>\$ 1,940,000</b>	<b>\$ 2,085,000</b>	<b>\$ 8,430,000</b>

OTHER OPERATING COSTS	Prior	2020	2021	2022	2023	2024	2025	2026
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	72,039	247,742	536,735	659,604	701,024	756,145
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 72,039</b>	<b>\$ 247,742</b>	<b>\$ 536,735</b>	<b>\$ 659,604</b>	<b>\$ 701,024</b>	<b>\$ 756,145</b>



# TRANSPORTATION PROJECT LIST & CASH FLOW

Number	Title	Type	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2020	TRANSPORTATION IMPROVEMENT PLAN					
							2021	2022	2023	2024	2025	2026
<b>TRANSPORTATION BENEFIT DISTRICT PROJECTS</b>												
TR1118	Revolving Street Improvements	Restoration	R	224,500	14,500	30,000	30,000	30,000	30,000	30,000	30,000	30,000
TR0414	Peabody Creek/Lincoln Street Culvert Repair	Restoration	A	3,447,000	700	150,000	296,300	3,000,000	-	-	-	-
TR1299	Park Avenue Chip Seal (Peabody to Race Streets)	Preservation	A	130,000	-	130,000	-	-	-	-	-	-
TR1516	Peabody Street Chip Seal Phase I (Lauridsen Blvd to 8th St)	Restoration	A	125,000	-	125,000	-	-	-	-	-	-
TR0215	Peabody Street Chip Seal Phase III (Ahlers Rd to Park Ave)	Preservation	A	200,000	-	200,000	-	-	-	-	-	-
TR0315	Peabody Street Chip Seal Phase II (Park Ave to Lauridsen Blvd)	Preservation	A	225,000	-	225,000	-	-	-	-	-	-
TR0218	Lincoln Street Safety	Safety	A	1,585,000	-	235,000	1,350,000	-	-	-	-	-
TR0615	Golf Course Road Chip Seal (1st St to Lindberg Rd)	Restoration	1	300,000	-	-	300,000	-	-	-	-	-
TR1416	Hamilton School Walking Routes	Pedestrian / Bike	3	915,000	-	15,000	-	100,000	800,000	-	-	-
TR0616	ADA - Francis Street	Restoration	4	315,000	-	15,000	300,000	-	-	-	-	-
TR0320	2021 Pavement Preservation	Preservation	5	400,000	-	-	400,000	-	-	-	-	-
TR0618	Stevens Middle School Walking Routes	Safety	6	665,000	-	-	15,000	-	50,000	600,000	-	-
TR0115	N Street Chip Seal (5th to 18th Streets)	Preservation	9	300,000	-	-	-	300,000	-	-	-	-
TR0518	I Street Chip Seal (5th to 16th Streets)	Preservation	10	300,000	-	-	-	300,000	-	-	-	-
TR0316	8th Street Chip Seal (A to I Streets)	Preservation	11	300,000	-	-	-	300,000	-	-	-	-
TR0219	5th Street Chip Seal (A to M Streets)	Preservation	12	350,000	-	-	-	350,000	-	-	-	-
TR0417	Ennis Street Pavement Repair	Preservation	13	100,000	-	-	-	100,000	-	-	-	-
TR0117	Liberty Street Reconstruction	Restoration	14	460,000	-	-	-	10,000	450,000	-	-	-
TR1799	Truck Route at Hwy 101 Intersection	Mobility	17	6,650,000	-	-	-	-	-	150,000	-	6,500,000
TR0420	2023 Pavement Preservation	Preservation	24	400,000	-	-	-	-	400,000	-	-	-
TR0716	ADA - Peabody Street	Pedestrian / Bike	25	310,000	-	-	-	-	10,000	300,000	-	-
TR0915	Park Avenue Paving Overlay (Race to Liberty Streets)	Preservation	26	390,000	-	-	-	-	-	15,000	375,000	-
TR0520	2024 Pavement Preservation	Preservation	27	400,000	-	-	-	-	-	400,000	-	-
TR0119	8th Street Paving (Lincoln to A Streets)	Preservation	29	1,115,000	-	-	-	-	15,000	-	1,100,000	-
TR0620	2026 Pavement Preservation	Preservation	30	400,000	-	-	-	-	-	-	-	400,000
TR0419	Lauridsen Blvd Reconstruction (L St to City Limits)	Restoration	31	700,000	-	-	-	-	-	-	-	700,000
TR0720	18th Street Chip Seal	Preservation	32	300,000	-	-	-	-	-	-	-	300,000
TR0818	Railroad Ave Overlay	Restoration	UF33	215,000	-	-	-	-	-	-	-	-
TR0499	Laurel St/Ahlers Road Overlay	Restoration	UF34	450,000	-	-	-	-	-	-	-	-
TR0816	ADA - Cherry Street	Pedestrian / Bike	UF36	340,000	-	-	-	-	-	-	-	-
TR1015	Cherry Street Area Chip Seal	Preservation	UF37	750,000	-	-	-	-	-	-	-	-
TR0916	ADA - Oak & Laurel Streets	Pedestrian / Bike	UF39	300,000	-	-	-	-	-	-	-	-
TR1899	Lincoln, Laurel and Lauridsen Blvd Intersection	Mobility	UF41	1,800,000	-	-	-	-	-	-	-	-
TR0104	2nd & Valley Streets Pavement	Restoration	UF43	550,000	-	-	-	-	-	-	-	-
TR0308	O Street Improvements	Restoration	UF48	1,500,000	-	-	-	-	-	-	-	-
TR0599	Hill Street Intersection	Mobility	UF49	485,000	-	-	-	-	-	-	-	-
TR0317	Chase Street Vicinity Chip Seal	Preservation	UF51	320,000	-	-	-	-	-	-	-	-
<b>TRANSPORTATION PROJECTS</b>												
TR0405	Alley Paving Revolving Funding	Restoration	R	985,100	100	200,000	250,000	-	10,000	125,000	-	400,000
TR0416	1st/2nd/Valley/Oak Green Alley	Restoration	R	472,200	22,200	-	-	450,000	-	-	-	-
TR1120	Complete Streets Revolving Fund	Pedestrian/Bike	R	500,000	-	-	-	-	200,000	-	200,000	100,000
TR0111	Marine Drive Channel Bridge	Restoration	C	620,500	610,500	10,000	-	-	-	-	-	-
TR0114	Hill Street - Olympic Discovery Trail	Pedestrian / Bike	A	3,941,600	208,600	19,000	3,714,000	-	-	-	-	-
TR0209	Race Street Complete Design & Construction Phase I	Civic Improvement	A	4,712,400	289,400	450,000	3,973,000	-	-	-	-	-
TR0909	Wayfinding & ODT Signage	Civic Improvement	A	312,000	13,800	-	298,200	-	-	-	-	-
TR1216	5th & Liberty Streets Solar Speed Display	Safety	A	26,800	21,800	5,000	-	-	-	-	-	-
TR0519	Peabody Street Sidewalk Repair	Pedestrian / Bike	A	95,000	100	94,900	-	-	-	-	-	-
TR0919	Traffic Safety Camera program	Safety	2	35,000	-	35,000	-	-	-	-	-	-
TR0918	Downtown Tree/Sidewalk Replacement Phase II	Pedestrian / Bike	7	300,000	-	-	300,000	-	-	-	-	-
TR0101	Laurel Street Stairs Replacement	Civic Improvement	8	485,000	-	35,000	450,000	-	-	-	-	-
TR1215	City Hall East Parking Lot LID	Restoration	15	610,700	-	110,700	-	500,000	-	-	-	-
TR0715	16th Street LID (C to L Streets)	Restoration	16	1,060,000	-	160,000	-	900,000	-	-	-	-
TR0920	Lauridsen Blvd Flashing Beacons	Safety	18	40,000	-	-	40,000	-	-	-	-	-
TR1020	N Street Solar Speed Display	Safety	19	30,000	-	-	-	30,000	-	-	-	-
TR0220	Traffic Circle Program	Safety	20	1,180,000	-	-	80,000	1,100,000	-	-	-	-
TR0120	Signal Controller Upgrades 1st/Front	Safety	21	1,585,000	-	-	-	-	1,360,000	-	-	-
TR1116	School Area Speed Signs (Near Franklin)	Safety	22	50,000	-	-	-	-	50,000	-	-	-
TR1399	Traffic Signal Interconnect/Preemption	Mobility	23	600,000	-	-	-	-	300,000	300,000	-	-
TR0318	8th/10th Street Bike Lanes	Pedestrian / Bike	28	400,000	-	-	-	-	-	20,000	380,000	-
TR0113	Waterfront Redevelopment Phase III	Civic Improvement	UF35	20,000,000	-	-	-	-	-	-	-	-
TR1016	18th Street Bike Accessibility	Pedestrian / Bike	UF38	800,000	-	-	-	-	-	-	-	-
TR1109	Marine Drive Bulkhead Repairs	Restoration	UF40	-	-	-	-	-	-	-	-	-
TR0212	Caroline Street Slide Repair	Restoration	UF42	375,000	-	-	-	-	-	-	-	-
TR1009	1st, Front & Race Street Nodes	Pedestrian / Bike	UF44	423,000	-	-	-	-	-	-	-	-
TR0516	Nancy Lane Pavement	Restoration	UF45	200,000	-	-	-	-	-	-	-	-
TR0506	Valley Creek Trail Loop	Pedestrian / Bike	UF46	100,000	-	-	-	-	-	-	-	-
TR0208	Alternate Cross-Town Route Study	Mobility	UF47	220,000	-	-	-	-	-	-	-	-
TR1316	Traffic Control	Safety	UF50	300,000	-	-	-	-	-	-	-	-
TR1018	Zig Zag at Oak Street	Civic Improvement	UF52	500,000	-	-	-	-	-	-	-	-
TR0619	Race Street Complete Construction Phase II	Civic Improvement	UF53	6,000,000	-	-	-	-	-	-	-	-
TR0719	First & Front Street Decoupling	Civic Improvement	UF54	-	-	-	-	-	-	-	-	-
TR0819	Sidewalks for Mt Angeles Rd & Porter St	Safety, Pedestrian / Bike	UF55	1,000,000	-	-	-	-	-	-	-	-
<b>Total</b>				<b>75,675,800</b>	<b>1,181,700</b>	<b>2,244,600</b>	<b>11,796,500</b>	<b>7,695,000</b>	<b>3,675,000</b>	<b>1,940,000</b>	<b>2,085,000</b>	<b>8,430,000</b>

KEY	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded



# TRANSPORTATION PROJECT LIST & CASH FLOW

CASH FLOW ANALYSIS	2020B	2021	2022	2023	2024	2025	2026
Beginning Cash Balance	2,056,221	1,857,021	1,403,021	966,721	858,821	892,121	997,021
<b>Funding sources:</b>							
Utilities Reserves	318,700	421,300	687,500	125,000	125,000	125,000	125,000
Grants	745,100	8,690,600	5,330,000	2,110,000	500,000	1,000,000	6,500,000
General Fund	120,000	120,000	120,000	120,000	120,000	120,000	120,000
REET	96,300	1,330,000	325,000	400,000	400,000	100,000	100,000
.2% Trans Tax	765,300	780,600	796,200	812,100	828,300	844,900	861,800
Project Costs	(2,244,600)	(11,796,500)	(7,695,000)	(3,675,000)	(1,940,000)	(2,085,000)	(8,430,000)
<b>Ending Cash Balance</b>	<b>1,857,021</b>	<b>1,403,021</b>	<b>966,721</b>	<b>858,821</b>	<b>892,121</b>	<b>997,021</b>	<b>273,821</b>
<b>Projected Depreciation</b>	<b>1,318,732</b>	<b>1,396,193</b>	<b>1,585,121</b>	<b>1,895,867</b>	<b>2,027,984</b>	<b>2,072,521</b>	<b>2,127,337</b>
<b>Cash to depreciation ratio</b>	<b>1.41</b>	<b>1.00</b>	<b>0.61</b>	<b>0.45</b>	<b>0.44</b>	<b>0.48</b>	<b>0.13</b>

The City committed to maintaining the average investment in Streets after the TBD was voted in, this amounts to \$120,000 per year. Each year the GF is inputting more than average for the CFP period.

PROJECTS COMPLETED IN 2019		ACTUAL	Budget
TR0111	Marine Channel Bridge	610,474	675,000
TR0515	Lauridsen Blvd overlay	966,604	1,030,800
TR1100	10th Street Reconstruction	1,857,086	2,000,000
TR1118	Revolving Street Improvements	14,482	30,000
<b>TOTAL COMPLETED PROJECTS</b>		<b>6,897,293</b>	<b>7,471,600</b>

TRANSPORTATION BENEFIT DISTRICT FUNDS		ACTUAL	Budget
2019	Revenue	850,903	765,300
2019	Expenditures	459,482	480,000
<b>TOTAL NET Change</b>		<b>391,421</b>	<b>285,300</b>

Completed projects are not included in the ongoing projects totals for expenditures or revenues. Only projects accepted as final are included in this listing.



# TRANSPORTATION BENEFIT DISTRICT PROJECTS

## REVOLVING STREET IMPROVEMENTS

TR1118

**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.11844252, -123.43373539  
**PROJECT MANAGER:** ERIC WHEATLEY  
**ESTIMATED LIFE:** 35 YEARS  
**TYPE:** RESTORATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**

### ABOUT THE PROJECT:

Street related small capital projects throughout the City for asphalt, sidewalks, curbing, and docks.

### JUSTIFICATION:

Set aside funds from the Transportation Benefit District (TBD) for improvements and minor repairs.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District	14,500	30,000	30,000	30,000	30,000	30,000	30,000	30,000
<b>TOTAL</b>	<b>\$ 14,500</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>

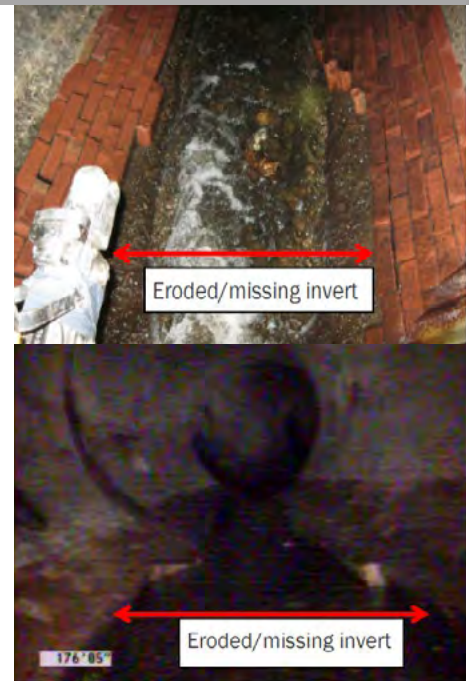
EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction	14,500	30,000	30,000	30,000	30,000	30,000	30,000	30,000
<b>TOTAL</b>	<b>\$ 14,500</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$30,000/YR**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.118031141, -123.431623936  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** RESTORATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**



**ABOUT THE PROJECT:**

Repair of the culvert which carries Peabody Creek under Lincoln Street. This project will repair the invert of the culvert, stabilize adjacent soil and include rehabilitation of the culvert with a shotcrete liner. This project will receive funding from Washington State Department of Transportation for their percentage of ownership of the culvert; the City will apply for a Transportation Improvement Board (TIB) grant to fund 85% of the City cost. The remainder will be funded through the Stormwater Utility.

**JUSTIFICATION:**

The culvert could fail with a high potential for property damage and loss of a portion of the highly traveled Lincoln Street.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Stormwater Fund	\$ 176,300	\$ 150,000	\$ 296,300	\$ 450,000				
Grants				2,550,000				
Bonds								
General Fund	15,000							
Donations/Insurance Reim.								
Transportation Benefit District								
<b>TOTAL</b>	<b>\$ 191,300</b>	<b>\$ 150,000</b>	<b>\$ 296,300</b>	<b>\$ 3,000,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design	700	150,000	296,300					
Construction				3,000,000				
<b>TOTAL</b>	<b>\$ 700</b>	<b>\$ 150,000</b>	<b>\$ 296,300</b>	<b>\$ 3,000,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

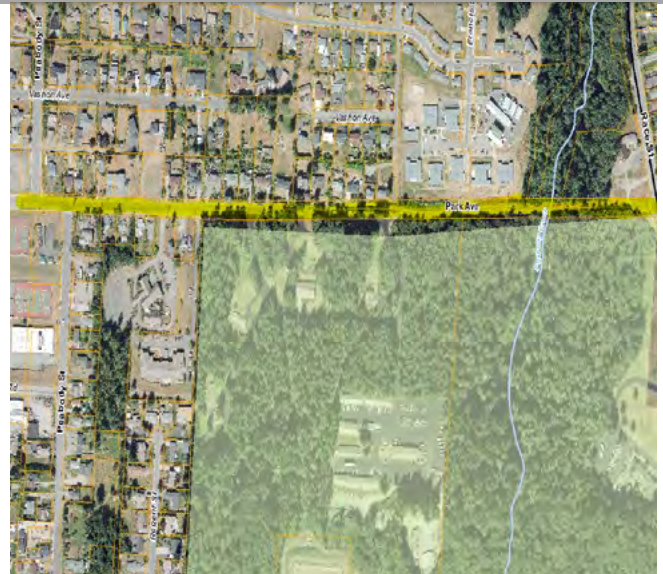
**ESTIMATED TOTAL PROJECT COST: \$3,447,000**



# PARK AVENUE CHIP SEAL (PEABODY TO RACE STREET)

TR1299

**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.101653217, -123.430490972  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 15 YEARS  
**TYPE:** PRESERVATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**



## ABOUT THE PROJECT:

The project involves the chip sealing of Park Avenue from Peabody to Race. The design will be done in-house.

## JUSTIFICATION:

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects stop City streets from falling into poor condition. It costs less to maintain streets in good condition than to repair streets in poor condition.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	130,000							
Donations/Insurance Reim.								
Transportation Benefit District								
<b>TOTAL</b>	<b>\$ 130,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		130,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 130,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$130,000**



# PEABODY STREET CHIP SEAL PHASE I (LAURIDSEN BOULEVARD TO 8TH STREET)

TR1516

**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.108236, -123.435778  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 15 YEARS  
**TYPE:** RESTORATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**

## ABOUT THE PROJECT:

Chip seal Peabody Street between Lauridsen and 8th Street. This will extend the life of the road surface which received pavement repair patches in 2016.

## JUSTIFICATION:

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects preserve City streets from falling into poor condition. It costs less to maintain streets in good condition than to repair streets in poor condition.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	125,000							
Donations/Insurance Reim.								
Transportation Benefit District								
<b>TOTAL</b>	<b>\$ 125,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		125,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 125,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
REET								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$125,000**



# PEABODY STREET CHIP SEAL PHASE III (AHLVERS ROAD TO PARK AVENUE)

TR0215

**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.097408306, -123.43767285  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 15 YEARS  
**TYPE:** PRESERVATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**

**ABOUT THE PROJECT:**

This project involves the chip sealing of Peabody Street from Ahlvers Road to Park Avenue. Design will be done in house.

**JUSTIFICATION:**

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects preserve City streets from falling into poor condition which cost less to maintain.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District		200,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		200,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$200,000**



# PEABODY STREET CHIP SEAL PHASE II (PARK AVENUE TO LAURIDSEN BOULEVARD)

TR0315

**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.104002083, -123.43837022  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 15 YEARS  
**TYPE:** PRESERVATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**



## ABOUT THE PROJECT:

This project involves the chip sealing of Peabody Street from Park Avenue to Lauridsen Boulevard. Design will be done in house.

## JUSTIFICATION:

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District		225,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 225,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		225,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 225,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$225,000**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.1165531, -123.433276  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 20 YEARS  
**TYPE:** SAFETY  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**

**ABOUT THE PROJECT:**

Install pedestrian and traffic safety treatments on Lincoln Street between 2nd and 8th Streets to improve safety. Key elements will include curb extensions, median refuge islands, pedestrian activated beacons, lane channelization, and traffic signal.

**JUSTIFICATION:**

A significant number of collisions involving pedestrians have occurred in this corridor.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants		135,000	1,150,000					
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District		100,000	200,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 235,000</b>	<b>\$ 1,350,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		235,000						
Construction			1,350,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 235,000</b>	<b>\$ 1,350,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

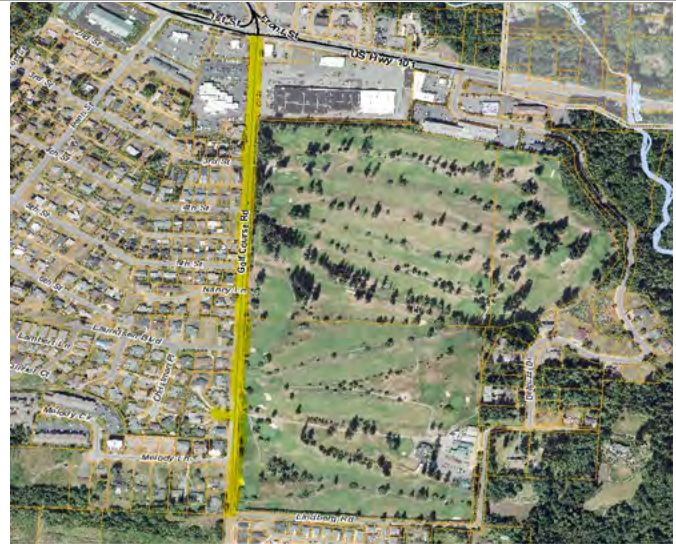
**ESTIMATED TOTAL PROJECT COST: \$1,585,000**



# GOLF COURSE ROAD CHIP SEAL (1ST STREET TO LINDBERG ROAD)

TR0615

**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.100133103, -123.402432919  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 15 YEARS  
**TYPE:** RESTORATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**



## ABOUT THE PROJECT:

This project involves the chip sealing of Golf Course Road from 1st Street to Lindberg Road. Design will be done in house.

## JUSTIFICATION:

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District			300,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction			300,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 300,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.127794, -123.474806  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 35 YEARS  
**TYPE:** PEDESTRIAN / BIKE  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**

**ABOUT THE PROJECT:**

This project will create safe walking routes for children walking to Hamilton School. Project is dependent on obtaining a Safe Routes to School grant.

**JUSTIFICATION:**

Improve safety near school.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants				90,000	700,000			
Bonds								
General Fund	15,000							
Donations/Insurance Reim.								
Transportation Benefit District				10,000	100,000			
<b>TOTAL</b>	<b>\$ 15,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 800,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		15,000		100,000				
Construction					800,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 15,000</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 800,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$915,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114172, -123.420314  
**PROJECT MANAGER:** JEREMY POZERNICK  
**ESTIMATED LIFE:** 35 YEARS  
**TYPE:** RESTORATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**



**ABOUT THE PROJECT:**

Curb ramps will be installed between Caroline St and 8th Street to provide sidewalk accessibility and meet ADA compliance. The project will utilize Transportation Improvement Board (TIB) Complete Street grant funds to accelerate construction of this project.

**JUSTIFICATION:**

Current Curb ramps do not meet ADA compliance.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants			300,000					
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District		15,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 15,000</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		15,000						
Construction			300,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 15,000</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 315,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** VARIOUS LOCATIONS  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 20  
**TYPE:** PRESERVATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**

**ABOUT THE PROJECT:**

This project includes patching, chip sealing, and HMA overlay to distressed pavement areas.

**JUSTIFICATION:**

Spot improvements will extend the life of the pavement and reduce the cost of a complete reconstruction of the roadway.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District			400,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 400,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction			400,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 400,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 400,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.1163286, -123.4618428  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 35 YEARS  
**TYPE:** SAFETY  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**

**ABOUT THE PROJECT:**

Install sidewalks and curb ramps on designated school walking routes near Stevens Middle School, subject to Safe Route to School grant funding.

**JUSTIFICATION:**

Increase the number of children walking and biking to school safely.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Utilities Fund									
Grants					50,000	500,000			
Bonds									
General Fund			15,000						
Donations/Insurance Reim.									
Transportation Benefit District							100,000		
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 15,000</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 600,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design			15,000		50,000			
Construction						600,000		
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 15,000</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 600,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$665,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.127353072, -123.483517169  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 20 YEARS  
**TYPE:** PRESERVATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**

**ABOUT THE PROJECT:**

This project involves the chip sealing of N Street from 5th Street to 15th Street. Design will be done in house.

**JUSTIFICATION:**

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects keep City streets from falling into poor condition, which cost less to maintain.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District				300,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction				300,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$300,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.1218317, -123.4671465  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 15 YEARS  
**TYPE:** RESTORATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**



**ABOUT THE PROJECT:**

This project involves the chip sealing of I Street from 5th Street to 16th Street. Design will be done in house.

**JUSTIFICATION:**

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects keep City streets from falling into poor condition, which cost less to maintain.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund				100,000				
Donations/Insurance Reim.								
Transportation Benefit District				200,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction				300,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

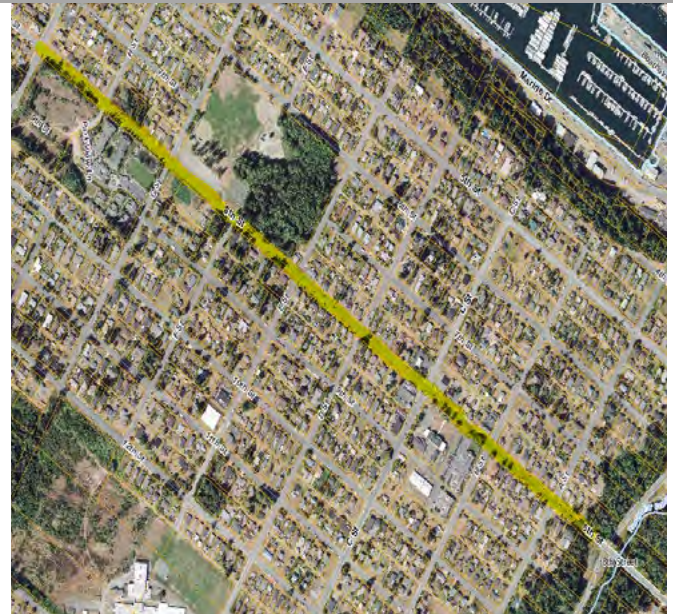
  

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 300,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.123064, -123.463908  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 15 YEARS  
**TYPE:** PRESERVATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**



**ABOUT THE PROJECT:**

The project involves the chip sealing of 8th Street from A to I Street. Design will be done in house.

**JUSTIFICATION:**

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects preserve City streets from falling into poor condition. It costs less to maintain streets in good condition than streets in poor conditions.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District				300,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction				300,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 300,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.124419, -123.458457  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 15 YEARS  
**TYPE:** PRESERVATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**



**ABOUT THE PROJECT:**

The project involves the chip seal of asphalt on 5th Street. Design will be done in house.

**JUSTIFICATION:**

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects keep City streets from falling into poor condition, which cost less to maintain.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District				350,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 350,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction				350,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 350,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$350,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.1083644, -123.4101987  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 20 YEARS  
**TYPE:** PRESERVATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**

**ABOUT THE PROJECT:**

Square cut pavement patches on Ennis Street between Front and 5th.

**JUSTIFICATION:**

Patching will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects prevent City streets from falling into poor condition. It costs less to maintain streets in good condition than to repair streets in poor condition.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund				70,000				
Donations/Insurance Reim.								
Transportation Benefit District				30,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction				100,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$100,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.1050932, -123.4151604  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**TYPE:** RESTORATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**



**ABOUT THE PROJECT:**

Reconstruction of Liberty Street from 5th Street to Lauridsen Blvd to correct structural failure of the roadway. Replace base, asphalt, and update drainage. This project will coordinate with project WTom - Liberty Watermain replacement.

**JUSTIFICATION:**

The roadway has experienced structural failure.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Utilities Fund									
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Transportation Benefit District				10,000	450,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 10,000</b>	<b>\$ 450,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design				10,000				
Construction					450,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 10,000</b>	<b>\$ 450,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 460,000**



**PROJECT STATUS:** PRE-PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.106525074, -123.46596479  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** MOBILITY  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**

**ABOUT THE PROJECT:**

Provide westbound to northbound access from US 101 to the Tumwater Truck Route. Construction funding is dependent on receiving a grant.

**JUSTIFICATION:**

This intersection needs to provide truck access from all traffic directions in order to allow large trucks to reach the harbor without using the downtown corridor.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Utilities Fund									
Grants									6,500,000
Bonds									
General Fund									
Donations/Insurance Reim.									
Transportation Benefit District							150,000		
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 150,000</b>	<b>\$ 0</b>	<b>\$ 6,500,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design						150,000		
Construction								6,500,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 150,000</b>	<b>\$ 0</b>	<b>\$ 6,500,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$6,650,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** VARIOUS LOCATIONS  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 20  
**TYPE:** PRESERVATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**

**ABOUT THE PROJECT:**

This project includes patching, chip sealing, and HMA overlay to distressed pavement areas.

**JUSTIFICATION:**

Spot improvements will extend the life of the pavement and reduce the cost of a complete reconstruction of the roadway.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Utilities Fund									
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Transportation Benefit District					400,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 400,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction					400,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 400,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$400,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.1112, -123.433156  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 35 YEARS  
**TYPE:** PEDESTRIAN / BIKE  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**

**ABOUT THE PROJECT:**

Curb ramps will be installed to provide sidewalk accessibility and meet ADA compliance.

**JUSTIFICATION:**

Current curb ramps do not meet ADA compliance.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Utilities Fund									
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Transportation Benefit District					10,000	300,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 10,000</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design					10,000			
Construction						300,000		
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 10,000</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$310,000**



# PARK AVE PAVING OVERLAY (RACE TO LIBERTY ST) TR0915

**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.101910004, -123.421006681  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**TYPE:** PRESERVATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**

**ABOUT THE PROJECT:**

This project involves the overlay of asphalt and subgrade repairs on Park Avenue from Race Street to Liberty Street. The design will be done in house.

**JUSTIFICATION:**

The overlay is needed because the asphalt has gone beyond life expectancy and potholes and rutting have developed.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Utilities Fund									
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Transportation Benefit District							15,000	375,000	
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 15,000</b>	<b>\$ 375,000</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design						15,000		
Construction							375,000	
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 15,000</b>	<b>\$ 375,000</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$390,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** VARIOUS LOCATIONS  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 20  
**TYPE:** PRESERVATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**

**ABOUT THE PROJECT:**

This project includes patching, chip sealing, and HMA overlay to distressed pavement areas.

**JUSTIFICATION:**

Spot improvements will extend the life of the pavement and reduce the cost of a complete reconstruction of the roadway.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District						400,000		
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 400,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction						400,000		
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 400,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 400,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.114560, -123.442997  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** PRESERVATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**

**ABOUT THE PROJECT:**

This project involves the mill and overlay of 8th Street from Lincoln Street to A Street. Design will be done in house. Project dependent on obtaining grant funding. Bike lane striping will be included in this project to connect bike lanes proposed in the Lincoln Street Safety Project to bike lanes currently on the 8<sup>th</sup> Street Bridges.

**JUSTIFICATION:**

The overlay will extend the life of the pavement.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Utilities Fund									
Grants								700,000	
Bonds									
General Fund									
Donations/Insurance Reim.									
Transportation Benefit District					15,000			400,000	
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 15,000</b>	<b>\$ 0</b>	<b>\$ 1,100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design					15,000			
Construction							1,100,000	
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 15,000</b>	<b>\$ 0</b>	<b>\$ 1,100,000</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$1,115,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** VARIOUS LOCATIONS  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 20  
**TYPE:** PRESERVATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**

**ABOUT THE PROJECT:**

This project includes patching, chip sealing, and HMA overlay to distressed pavement areas.

**JUSTIFICATION:**

Spot improvements will extend the life of the pavement and reduce the cost of a complete reconstruction of the roadway.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District								400,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 400,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction								400,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 400,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 400,000**



# LAURIDSEN BOULEVARD RECONSTRUCTION (L STREET TO CITY LIMITS)

TR0419

**PROJECT STATUS:** PRE-PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.1126732, -123.433784  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 30 YEARS  
**TYPE:** RESTORATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**

**ABOUT THE PROJECT:**

Reconstruction of Lauridsen Blvd from L Street to City limits to correct structural failure of the roadway. Replace base, asphalt, update drainage.

**JUSTIFICATION:**

The roadway is experiencing structural failure.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District								700,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 700,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction								700,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 700,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$700,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.119279, -123.483910  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 15 YEARS  
**TYPE:** PRESERVATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**

**ABOUT THE PROJECT:**

This project involves the chip sealing of 18th street from I street to the transfer station. Design will be done in house.

**JUSTIFICATION:**

The chip seal will extend the life of pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects preserve City streets from falling into poor condition which cost less to maintain.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District								300,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction								300,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$300,000**



# TRANSPORTATION BENEFIT DISTRICT UNFUNDED CAPITAL PROJECTS

Projects identified as necessary, but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding, allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

## RAILROAD AVENUE OVERLAY

TR0818

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.11918, -123.4326137  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** RESTORATION  
**ESTIMATED TOTAL PROJECT COST:** \$215,000

### **ABOUT THE PROJECT:**

This project involves the overlay of asphalt with reinforced mesh on Railroad Ave between Lincoln and Laurel streets. Design will be done in house.

### **JUSTIFICATION:**

The overlay is needed because the asphalt has a Pavement Condition Index (PCI) rating of 27 out of 100, has gone beyond life expectancy and potholes and rutting have developed.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.094521134, -123.441485881  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** RESTORATION  
**ESTIMATED TOTAL PROJECT COST:** \$450,000



**ABOUT THE PROJECT:**

This project will overlay Ahlvers Road from Peabody to Laurel and will include ditches and walking paths. This project changed from full curbing and overlay to a restoration project in 2016. Prior estimates were \$1.745 million.

**JUSTIFICATION:**

Restore pavement condition and improve safety for pedestrians.

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.117139, -123.440722  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 35 YEARS  
**TYPE:** PEDESTRIAN / BIKE  
**ESTIMATED TOTAL PROJECT COST:** \$340,000

**ABOUT THE PROJECT:**

Curb ramps will be installed to provided sidewalk accessibility and meet ADA compliance.

**JUSTIFICATION:**

Current curb ramps do not meet ADA compliance.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.112146051, -123.445022106  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 20 YEARS  
**TYPE:** PRESERVATION  
**ESTIMATED TOTAL PROJECT COST:** \$750,000

**ABOUT THE PROJECT:**

This project involves chip sealing the upper Cherry Street area bounded by 8th Street to 15th Street and from Lincoln Street to the west side of Cherry Street. Design will be done in house.

**JUSTIFICATION:**

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway.

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.115986, -123.437817  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 35 YEARS  
**TYPE:** PEDESTRIAN / BIKE  
**ESTIMATED TOTAL PROJECT COST:** \$300,000

**ABOUT THE PROJECT:**

Curb ramps will be installed to provide sidewalk accessibility and meet ADA compliance.

**JUSTIFICATION:**

Current curb ramps do not meet ADA compliance.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.10218559, -123.442438602  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** MOBILITY  
**ESTIMATED TOTAL PROJECT COST:** \$1,800,000

**ABOUT THE PROJECT:**

Improve the intersection at Laurel Street and Lauridsen Boulevard. The City is researching both traffic signal and round-a-bout options. A study and design work were completed prior to 2016 at a cost of \$100,516.

**JUSTIFICATION:**

In 2012, a study concluded this intersection can be changed for better traffic flow and Washington State Department of Transportation (WSDOT) agreed. Money exists from a developer and is being held PRD. Without improvement this street can become a hazardous intersection.

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.120352320, -123.44058036  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** RESTORATION  
**ESTIMATED TOTAL PROJECT COST:** \$550,000

**ABOUT THE PROJECT:**

Reconstruction of Valley Street from 1st Street to 6th Street to correct structural failure of the roadway and culvert.

**JUSTIFICATION:**

The roadway has experienced structural failure along the east side as well as and under the roadway and in the culvert.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.126666162, -123.492413519  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** RESTORATION  
**ESTIMATED TOTAL PROJECT COST:** \$1,500,000

### **ABOUT THE PROJECT:**

Pave "O" Street, add curbs, gutters, drainage, and utilities to the current gravel road. Right-of-way would also need to be purchased at approximately \$490,000.

### **JUSTIFICATION:**

This is an incomplete arterial road by City Standards.

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.128664998, -123.46289205  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** MOBILITY  
**ESTIMATED TOTAL PROJECT COST:** \$485,000

### **ABOUT THE PROJECT:**

Realignment of Hill Street to 4th Street, and Hill Street to Marine Drive.

### **JUSTIFICATION:**

The intersection occurs at the top of a hill (4th and Hill Street) which makes line of sight a problem at this location, this project will enhance safety at this intersection.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.1126732, -123.433784  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 20 YEARS  
**TYPE:** PRESERVATION  
**ESTIMATED TOTAL PROJECT COST:** \$320,000

**ABOUT THE PROJECT:**

This project involves the chip sealing of Chase Street and crossing streets between 4th and 8th streets.

**JUSTIFICATION:**

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects preserve City streets from falling into poor condition. It costs less to maintain streets in good condition than to repair bad.



# TRANSPORTATION PROJECTS

## ALLEY PAVING

TR0405

**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.112243000, -123.427812000  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** RESTORATION



### ABOUT THE PROJECT:

This project involves paving of alleys and exists as a revolving fund. The funds are transferred in from the Solid Waste Collection Division, for use on future alley projects. Tentative funding in 2019 of \$112,500 to First, Second and Green Alley Projects, 2020 and 2021 \$200,000 to 6/7 Alley between Francis and Washington. Other years have not been defined, and will add to the alley paving revolving funds.

### JUSTIFICATION:

The Solid Waste packer trucks cause extra wear and tear that breaks down the alleyway while performing trash pickup activities. Due to the additional wear incurred the Solid Waste Fund is providing funding for replacement of damaged alleyways.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Solid Waste Fund	\$ 655,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District								
<b>TOTAL</b>	<b>\$ 655,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction	100	200,000	250,000		10,000	125,000		400,000
<b>TOTAL</b>	<b>\$ 100</b>	<b>\$ 200,000</b>	<b>\$ 250,000</b>	<b>\$ 0</b>	<b>\$ 10,000</b>	<b>\$ 125,000</b>	<b>\$ 0</b>	<b>\$ 400,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: VARIES**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.120439, -123.438569  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** RESTORATION



**ABOUT THE PROJECT:**

Repair pavement and stormwater connections in this alley. Alley paving funds will be used for match to the Stormwater LID grant. Project dependent on obtaining grant funding.

**JUSTIFICATION:**

The pavement has failed in this alley and inadequate stormwater connections contribute to wet weather combined sewer overflow events.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Stormwater Fund	\$ 20,000			\$ 112,500				
Grants				337,500				
Bonds								
General Fund	5,000							
Donations/Insurance Reim.								
REET								
<b>TOTAL</b>	<b>\$ 25,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 450,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design	22,220							
Construction				450,000				
<b>TOTAL</b>	<b>\$ 22,220</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 450,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$472,200**



**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** MULTIPLE LOCATIONS  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 35 YEARS  
**TYPE:** PEDESTRIAN / BIKE

**ABOUT THE PROJECT:**

The focus of this program is to install, or repair sidewalks, curb ramps, bike lanes, and other complete street elements to maintain safety for pedestrians in Port Angeles roadways and meet Council and citizen expectations for complete streets. This is a revolving fund with \$100,000 set aside for each year for repairs, or additions to incomplete streets.

**JUSTIFICATION:**

If adequate pedestrian safety measures are not implemented the City will continue to have large numbers of missing sidewalk gaps, ADA accessibility issues and limited designated bike facilities.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other				100,000	100,000	100,000	100,000	100,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design					20,000		20,000	10,000
Construction					180,000		180,000	90,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 100,000</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$100,000/YR**



**PROJECT STATUS:** COMPLETE  
**PRESENT CONDITION:** EXCELLENT  
**LATITUDE / LONGITUDE:** 48.134477, -123.465339  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 40 YEARS  
**TYPE:** RESTORATION



**ABOUT THE PROJECT:**

Repair the bridge approach and abutments from the Marine Channel Bridge and restore failing pavement through the McKinley Mill area. STP and Transportation Improvement Board (TIB) grant funding will be sought for this project. Additionally, the need to examine lease documents for the existing mill site exists with potential offset in General Fund costs for that area.

**JUSTIFICATION:**

The bridge and adjacent roadway was inspected and determined that it is failing.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants	578,900							
Bonds								
General Fund	95,300	10,000						
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 674,200</b>	<b>\$ 10,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design	39,800							
Construction	570,700	10,000						
<b>TOTAL</b>	<b>\$ 610,500</b>	<b>\$ 10,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$620,500**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.12958793, -123.466565608  
**PROJECT MANAGERS:**  
 ALLYSON BREKKE/JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** PEDESTRIAN / BIKE



**ABOUT THE PROJECT:**

This project completes the Port Angeles portion of the Olympic Discovery Trail (ODT) and allow trail users to safely ascend up and down Hill Street on a newly developed trail that follows the historic Milwaukee railroad grade. This would include portions of Marine Drive to Crown Park, a new trail head and parking area. Construction portion is estimated at \$3.7 million. The City has been approved for a \$1,421,700 Washington State Recreation and Conservation Office (RCO) grant. A 30% grant match is required. A 2020 Pedestrian and Bicycle Safety Grant for \$2.08 million will cover 20% the RCO grant match requirement and for the remainder of the project construction and administration costs. RCO requires a minimum 10% match requirement for their grants, leaving \$210,000 remaining that will be funded through REET.

**JUSTIFICATION:**

This project will complete the Olympic Discovery Trail within the City Limits. The majority of the project area currently has no pedestrian or bicycle facilities or facilities that are inadequate and unsafe for use.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants	198,000		3,505,000					
Bonds								
General Fund								
Donations/Insurance Reim.								
REET	29,000		210,000					
<b>TOTAL</b>	<b>\$ 227,000</b>	<b>\$ 0</b>	<b>\$ 3,715,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design	208,600	19,000						
Construction			3,714,000					
<b>TOTAL</b>	<b>\$ 208,600</b>	<b>\$ 19,000</b>	<b>\$ 3,714,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

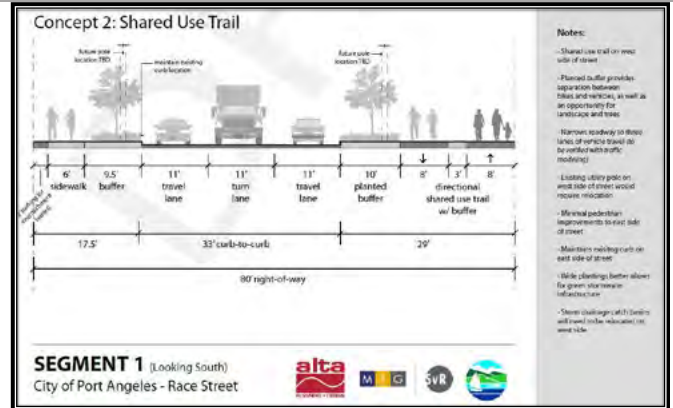
  

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$3,941,600**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.109905298, -123.421770572  
**PROJECT MANAGERS:**  
 ALLYSON BREKKE/JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** CIVIC IMPROVEMENT



## ABOUT THE PROJECT:

Improvements include the installation of a shared-use trail, pedestrian safety enhancements, plantings and pavement restoration along Race Street between the project extents of Front Street south to the Olympic National Park Visitor and Wilderness Information Center. City Council approved a Federal Lands Access Program (FLAP) design grant on 10/20/2015. A FLAP construction grant has also been secured for \$2.0 million. The City also received \$113,000 in Highway Improvement (HIP) Funds and \$68,000 in Surface Transformation Program Funds (STP) Design and \$500,000 in STP Funds for construction. \$500,000 in funding for construction is anticipated from the Federal Transportation Alternatives program (TA) and \$364,500 from the Washington State Recreation and Conservation Office Washington Wildlife Recreation Program Trails (RCO WWRP Trails) grant for construction to cover the matches of the previously mentioned federally dispersed funds. The total cost of Phase 1 Construction is \$4.7 million, with anticipated funding by the City of \$30,000. The project will be constructed in phases, with the first phase between 8th Street and Olympic National Park Visitor Center. Remaining construction phases are currently unfunded for a total of \$6.0 million.

## JUSTIFICATION:

The Race Street Corridor is an important gateway for the City of Port Angeles and Olympic National Park, and one of the City's most active arterials. The initial phase of a three-phase project will link Olympic National Park Visitor Center and the Waterfront and Olympic Discovery Trail to facilitate cyclists traveling in this corridor.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants	289,400	348,100	3,663,600					
Bonds								
General Fund	47,600							
Donations/Insurance Reim.								
REET	32,400	61,300	270,000					
<b>TOTAL</b>	<b>\$ 369,400</b>	<b>\$ 409,400</b>	<b>\$ 3,933,600</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design	289,400	450,000						
Construction			3,973,000					
<b>TOTAL</b>	<b>\$ 289,400</b>	<b>\$ 450,000</b>	<b>\$ 3,973,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$4,712,400**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.112243000, -123.427812000  
**PROJECT MANAGER:** ALLYSON BREKKE  
**ESTIMATED LIFE:** 20 YEARS  
**TYPE:** CIVIC IMPROVEMENT

**ABOUT THE PROJECT:**

The Port Angeles Wayfinding Plan and Olympic Discovery Trail (ODT) Heritage Tourism Interpretive Signage project intended to 1) create a City wayfinding system for pedestrian and vehicle users while navigating throughout the community and 2) to highlight the City of Port Angeles' diverse collection of natural and cultural history through interpretive signs that are strategically placed along the approximately 14 miles of the ODT that is City owned and/or maintained. The overall project is planned for two years. Specific to the wayfinding efforts, the following items will occur within the first year: update the sign design palette, increase the variety of sign types within the plan, improve materials for long-term maintenance, and initial installation at defined key locations. The second year would be to complete installation of the plan. Specific to the heritage tourism signage efforts, the following items will occur within the first year: Identify sites, design and number of signs. The second year would be installation of the plan and introduction of a mobile tour component.

**JUSTIFICATION:**

Directional signage in the City takes on many forms with no consistency and this results in confusion and frustration by its users. The City can promote tourism by distributing information for the purpose of welcoming and supporting the visitors to the community. An updated Wayfinding Plan will eliminate that inconsistency. The current Wayfinding Plan was created in 2012 and never fully implemented. Prototypes of the original plan identified problems with design and maintenance. Existing interpretive signs along the ODT need to be replaced because they are either aged or vandalized.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Lodging Tax	212,000		100,000					
<b>TOTAL</b>	<b>\$ 212,000</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design	13,800							
Construction			298,200					
<b>TOTAL</b>	<b>\$ 13,800</b>	<b>\$ 0</b>	<b>\$ 298,200</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$312,000**

*\*Lodging Tax funding is contingent on the Lodging Tax Committee's (LTAC) approval of funding for 2021.*



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.106603, -123.414771  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 20 YEARS  
**TYPE:** SAFETY

**ABOUT THE PROJECT:**

The project will install solar powered electronic speed signs on 5th Street.

**JUSTIFICATION:**

To improve safety on this arterial street.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	50,000							
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction	21,800	5,000						
<b>TOTAL</b>	<b>\$ 21,800</b>	<b>\$ 5,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$26,800**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.113619, -123.30736  
**PROJECT MANAGER:** JEREMY POZERNICK  
**ESTIMATED LIFE:** 40 YEARS  
**TYPE:** PEDESTRIAN / BIKE



**ABOUT THE PROJECT:**

Sidewalk along Peabody Street between 3rd and 4th Street has failed due to tree roots. Remove tree roots, replace sidewalk, driveway entrances, ADA ramps and street trees.

**JUSTIFICATION:**

Uneven sidewalk is a tripping hazard.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Electric Fund		\$ 35,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
REET	60,000							
<b>TOTAL</b>	<b>\$ 60,000</b>	<b>\$ 35,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design	100							
Construction		94,900						
<b>TOTAL</b>	<b>\$ 100</b>	<b>\$ 94,900</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$95,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** VARIOUS LOCATIONS  
**PROJECT MANAGER:** JONATHAN BOEHME/BRIAN SMITH  
**ESTIMATED LIFE:** 20 YEARS  
**TYPE:** SAFETY

**ABOUT THE PROJECT:**

Implement a traffic safety camera program which includes cameras in school zones and certain intersections. The first phase of the project in 2020 will include the City installing flashing school beacons around Franklin Elementary and entering into an agreement with a Traffic Camera firm to provide cameras and enforcement functions. Its anticipated that revenues derived from this initial deployment would fund additional school zone systems and red light cameras. Potential school zone deployments include: Jefferson Elementary, Hamilton Elementary, Port Angeles High School, and Stevens Middle School. Potential additional red light camera locations include: Race Street at Lauridsen Blvd, and Hwy 101 at Golf Course.

**JUSTIFICATION:**

Improve traffic and school zone safety and compliance with traffic laws.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Utilities Fund									
Grants									
Bonds									
General Fund		35,000							
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 35,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		35,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 35,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$35,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** MULTIPLE LOCATIONS  
**PROJECT MANAGER:** JONATHAN BOEHME/COREY DELIKAT  
**ESTIMATED LIFE:** 35 YEARS  
**TYPE:** PEDESTRIAN / BIKE

**ABOUT THE PROJECT:**

In 2016-17, the City completed Phase I of the Downtown Tree & Sidewalk Replacement Program. The focus of this program is to replace out grown trees, fix tree wells, and portions of the downtown sidewalks. This project is to continue these repairs throughout the downtown area.

**JUSTIFICATION:**

If not completed, the City will continue to have infrastructure issues along the Downtown corridor.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
REET			300,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction			300,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$300,000**



**PROJECT STATUS:** DESIGN  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.118644252, -123.43373539  
**PROJECT MANAGERS:** JONATHAN BOEHME/COREY DELIKAT  
**ESTIMATED LIFE:** 35 YEARS  
**TYPE:** CIVIC IMPROVEMENT

**ABOUT THE PROJECT:**

Replacement of stairs at Laurel Street from the top of the bluff to downtown with easy to maintain materials. Design will take place in 2020 with construction in 2021.

**JUSTIFICATION:**

The condition of the stairs is poor, causing costly maintenance and repairs.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
REET		35,000	450,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 35,000</b>	<b>\$ 450,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		35,000						
Construction			450,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 35,000</b>	<b>\$ 450,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$485,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.112243000, -123.42781200  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**TYPE:** RESTORATION



**ABOUT THE PROJECT:**

This project will use LID techniques to manage stormwater and also restore parking surface. WA Department of Ecology has offered the City a grant with no match requirements for project design and the remaining amount will be funded from the General Fund.

**JUSTIFICATION:**

The current east lot at City Hall is wash boarding and past its normal life span. The lot does not have any stormwater controls installed to prevent pollution from entering Peabody Creek. The lot is used by multiple events through out the year and should be maintained for safety reasons.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Utilities Fund		\$ 8,700							
Grants		102,000		375,000					
Bonds									
General Fund				125,000					
Donations/Insurance Reim.									
REET									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 110,700</b>	<b>\$ 0</b>	<b>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design		110,700						
Construction				500,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 110,700</b>	<b>\$ 0</b>	<b>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$610,700**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.115206153, -123.467784404  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 40 YEARS  
**TYPE:** RESTORATION



### ABOUT THE PROJECT:

This project will use LID techniques to manage stormwater and also restore the street surfacing between "C" and "L" Streets. Department of Ecology (DOE) has offered the City a grant with no match requirements for project design.

### JUSTIFICATION:

The street needs rehabilitation because the asphalt has gone beyond the life expectancy and a number of potholes and rutting have developed.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants		160,000		675,000				
Bonds								
General Fund								
Donations/Insurance Reim.								
REET				225,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 160,000</b>	<b>\$ 0</b>	<b>\$ 900,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction		160,000		900,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 160,000</b>	<b>\$ 0</b>	<b>\$ 900,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$1,060,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.106475, -123.438422  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 20 YEARS  
**TYPE:** SAFETY

**ABOUT THE PROJECT:**

Install flashing beacons at crosswalk locations along Lauridsen Boulevard. The three locations are Chase, Peabody, and Eunice Streets. Refuge islands were installed during the HMA overlay project in 2019.

**JUSTIFICATION:**

Flashing beacons provide increased visibility at pedestrian crosswalks. These three crosswalk locations are highly used due to their location near Jefferson Elementary School, the public library, and the housing authority.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund			40,000					
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 40,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction			40,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 40,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$40,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.130218, -123.480872  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 20 YEARS  
**TYPE:** SAFETY

**ABOUT THE PROJECT:**

The project will install solar powered electronic speed signs on "N" Street.

**JUSTIFICATION:**

To improve safety on this arterial street.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund				30,000				
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction				30,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$30,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.115501, -123.439462  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50  
**TYPE:** SAFETY



**ABOUT THE PROJECT:**

The project will install mini-roundabouts at 4 way unsignalized intersections on priority corridors located one block off City arterials. Initial locations include south Laurel, 6th street, and east 2nd street. Project is dependent on receiving grant funding.

**JUSTIFICATION:**

A crash analysis has shown a pattern of accidents in these types of intersections. This project will increase safety and provide traffic calming on these residential streets. Funding for this project depends on receiving a grant.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants			72,000	1,100,000				
Bonds								
General Fund			8,000					
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 80,000</b>	<b>\$ 1,100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design			80,000					
Construction				1,100,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 80,000</b>	<b>\$ 1,100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$1,180,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.118685, -123.431363  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 40 YEARS  
**TYPE:** SAFETY

**ABOUT THE PROJECT:**

The project will install new signal control equipment on 1st and Front street. Project dependent on receiving HSIP grant funding.

**JUSTIFICATION:**

To improve traffic flow and safety along the corridor. This project is supported by the City's Local Road Safety Plan.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants				202,500	1,360,000			
Bonds								
General Fund				22,500				
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 225,000</b>	<b>\$ 1,360,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design				225,000				
Construction					1,360,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 225,000</b>	<b>\$ 1,360,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$1,585,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.103628, -123.423178  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**TYPE:** SAFETY

**ABOUT THE PROJECT:**

The project will install electronic speed signs near Franklin Elementary School.

**JUSTIFICATION:**

Improve safety near school.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN					
			2021	2022	2023	2024	2025	2026
Reserves Utilities Fund								
Grants								
Bonds								
General Fund					50,000			
Donations/Insurance Reim.								
Transportation Benefit District								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction					50,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$50,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** VARIOUS LOCATIONS  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 25 YEARS  
**TYPE:** MOBILITY

**ABOUT THE PROJECT:**

The project will upgrade the signal controls south of 1st street.

**JUSTIFICATION:**

Currently, within the City, there are three different signal controller types. Many of the signal controllers have exceeded their life expectancy and are in need of replacement. Upgrading these to a similar type allows them to be interconnected to achieve signal progression.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Utilities Fund									
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
REET					300,000	300,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design								
Construction					300,000	300,000		
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$600,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.1218317, -123.4671465  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**TYPE:** PEDESTRIAN / BIKE

**ABOUT THE PROJECT:**

Bike lanes and shared route from 10th and "I" to 8th and "A" using existing road network. Project dependent on obtaining grant funding.

**JUSTIFICATION:**

Complete the multimodal gap in east/west travel between 8th Street Bridges and ODT to improve safety for bicyclists.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2020	CAPITAL FACILITIES PLAN						
			2021	2022	2023	2024	2025	2026	
Reserves Utilities Fund									
Grants								300,000	
Bonds									
General Fund									
Donations/Insurance Reim.							20,000	80,000	
Transportation Benefit District									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 20,000</b>	<b>\$ 380,000</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2020	2021	2022	2023	2024	2025	2026
Design						20,000		
Construction							380,000	
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 20,000</b>	<b>\$ 380,000</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2020	2021	2022	2023	2024	2025	2026
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$ 400,000**



# TRANSPORTATION UNFUNDED CAPITAL PROJECTS

Projects identified as necessary, but that currently do not have a funding source are listed here. Should funding become available these projects will be re-prioritized and moved to an active status. Listing these projects, despite the lack of funding, allows the City to pursue grants and other forms of project revenue. It also allows Council and citizens the opportunity for input on reprioritization of projects.

## WATERFRONT REDEVELOPMENT PHASE III

TR0113

**PROJECT STATUS:** UNFUNDED

**PRESENT CONDITION:** FAIR

**LATITUDE / LONGITUDE:** 48.121773286, -123.434915540

**PROJECT MANAGERS:** ALLYSON BREKKE/THOMAS HUNTER

**ESTIMATED LIFE:** 100 YEARS

**TYPE:** CIVIC IMPROVEMENT

**ESTIMATED TOTAL PROJECT COST:** \$20,000,000

### **ABOUT THE PROJECT:**

Part of the Waterfront and Transportation Improvement plan included reconfiguring the eastern portion of Railroad Avenue to match the existing Waterfront Development project. This project includes expansion of the Hollywood Beach Area, continuation of the Olympic Discovery Trail, and upgrading the City Pier.

### **JUSTIFICATION:**

Per the Comprehensive Plan, this will provide a beautiful entrance to our City, along with improved beaches and walking trails.



2021 - 2026

CITY OF PORT ANGELES

CAPITAL FACILITIES PLAN & TRANSPORTATION IMPROVEMENT PLAN

PAGE 289

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.121888, -123.490203  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** PEDESTRIAN / BIKE  
**ESTIMATED TOTAL PROJECT COST:** \$800,000

**ABOUT THE PROJECT:**

This project will construct a shared use path along 18th Street from Lincoln Park to Milwaukee Drive and the Olympic Discovery Trail.

**JUSTIFICATION:**

Improve bike and pedestrian safety and connect Lincoln Park to Olympic Discovery Trail.

## MARINE DRIVE BULKHEAD REPAIRS

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.124866627, -123.453931331  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** RESTORATION  
**ESTIMATED TOTAL PROJECT COST:** UNKNOWN



**ABOUT THE PROJECT:**

Replace the most critical portions of the wooden bulkhead and repair the walkway adjacent to Marine Drive along the Port Angeles Marina between B and E streets. The bulkhead is failing due to age, storm and water damage. The initial agreement with the Port of Port Angeles, presented to Council in 2013, indicated cost sharing of the match portion with the Port for a STP grant. The City proposes to work on the project for the Port of Port Angeles, but the Port will provide the match to STP funds. Due to the high cost of fixing the entire length of the bulkhead, an approach to fix the most deteriorated areas will be undertaken.

**JUSTIFICATION:**

Erosion could cause the failure of the wall with loss of this section of the Olympic Discovery Trail and traffic could be impacted.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.115164554, -123.411934595  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** RESTORATION  
**ESTIMATED TOTAL PROJECT COST:** \$375,000



**ABOUT THE PROJECT:**

Purchase land for new roadway and abandon existing Caroline and Eunice Streets due to unsafe hillsides. The costs include further geotechnical investigation, permitting, design and purchasing property for a new roadway.

**JUSTIFICATION:**

Heavy rains caused the slope instability. Continued slope failure from natural processes will ultimately make the roadway unusable. Funding has not been identified.

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.113464094, -123.418543340  
**PROJECT MANAGER:** ALLYSON BREKKE  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** PEDESTRIAN / BIKE  
**ESTIMATED TOTAL PROJECT COST:** \$423,000

**ABOUT THE PROJECT:**

Create pedestrian oriented crossings at First and Front Streets where it intersects with Race Street. Design was completed during the WTIP planning in 2012 and expensed in 2013.

**JUSTIFICATION:**

The improvements would allow for safer pedestrian crossing and create a more attractive streetscape.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.101986, -123.403181  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** RESTORATION  
**ESTIMATED TOTAL PROJECT COST:** \$200,000

**ABOUT THE PROJECT:**

The project will rebuild Nancy Lane.

**JUSTIFICATION:**

Pavement has failed and potholes and rutting have developed.

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.113217680, -123.446798801  
**PROJECT MANAGERS:** ALLYSON BREKKE/JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** PEDESTRIAN / BIKE  
**ESTIMATED TOTAL PROJECT COST:** \$100,000

**ABOUT THE PROJECT:**

Construction of a trail extending south from the Waterfront Trail utilizing Valley and Peabody Creek corridors. These would be connected with two or more cross over opportunities, possibly at Park Avenue or Old Mill Road.

**JUSTIFICATION:**

Provide additional nature trails within the City. Additional funding has not been identified.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.103560747, -123.42000246  
**PROJECT MANAGERS:** ALLYSON BREKKE/JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** MOBILITY  
**ESTIMATED TOTAL PROJECT COST:** \$220,000

**ABOUT THE PROJECT:**

Hire a qualified traffic engineer to conduct a transportation study to evaluate and determine appropriate alternatives for both short and long term crosstown routes. \$220,000 is currently unfunded for design costs only. In 2014-2015, the WTIP study spent \$64,072 in preliminary review of the project which was expensed in 2015. In 2019, a crossing of White Creek was added as an alternative for consideration.

**JUSTIFICATION:**

The following issues have been identified as areas of critical concern that justify the need for additional cross town routes: trucks downtown, urban development limit, moving local traffic, safety at Deer Park, safety at Morse Creek, emergency & natural disasters, and eastside bottleneck. Presently only one route exists due to bluff and creek crossings.

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** MULTIPLE LOCATIONS  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**TYPE:** SAFETY  
**ESTIMATED TOTAL PROJECT COST:** \$300,000

**ABOUT THE PROJECT:**

This project will install stop signs, yield signs or traffic circles at uncontrolled intersections.

**JUSTIFICATION:**

Provide traffic control at uncontrolled intersections to reduce the number and severity of accidents.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** MULTIPLE LOCATIONS  
**PROJECT MANAGERS:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**TYPE:** CIVIC IMPROVEMENT  
**ESTIMATED TOTAL PROJECT COST:** \$500,000

**ABOUT THE PROJECT:**

Replacement of Zig-Zag Ramp at Oak Street from the top of the bluff to downtown with easy to maintain materials.

**JUSTIFICATION:**

The condition of the zig-zag is questionable, which will increase costly maintenance and repairs.

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.109905298, -123.421770572  
**PROJECT MANAGERS:** JONATHAN BOEHME/ALLYSON BREKKE  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** CIVIC IMPROVEMENT  
**ESTIMATED TOTAL PROJECT COST:** \$6,000,000

**ABOUT THE PROJECT:**

Improvements include installation of bike lanes, pedestrian safety enhancements, plantings and pavement along Race Street between the project extents of Front Street south to the Olympic National Park Visitor and Wilderness Information Center. FLAP design Grant approved by City Council on 10/20/2015. FLAP construction grant has been secured for \$2.0 million. City to apply for \$600,000 in STP funds. Project to be constructed in phases, with the first phase between 8th Street and Olympic National Park Visitor Center. Remaining construction phases unfunded for a total of \$6.0 million.

**JUSTIFICATION:**

The Race Street Corridor is an important gateway for the City of Port Angeles, and one of the City's most active arterials. Phase I of a II phase project to link Olympic National Park Visitor Center to the Waterfront and Olympic Discovery Trail. To make it easier for cyclists to travel from downtown to the Olympic National Park.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.113087, -123.418365  
**PROJECT MANAGERS:** JONATHAN BOEHME/ALLYSON BREKKE  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** CIVIC IMPROVEMENT  
**ESTIMATED TOTAL PROJECT COST:** UNKNOWN

#### **ABOUT THE PROJECT:**

Perform traffic study and public outreach regarding the proposed decoupling of the 1st and Front Street one-way couplets to return each street to a two-way operation and designate 1st Street as State Route 101. This change will create a safer environment for non-motorized and pedestrian traffic attempting to cross the street; reduce barriers for pedestrians; provide better access for businesses and homes located along the decoupled corridor; and initiate the redevelopment of Front Street as a collector arterial with parking, bicycle lanes and land uses geared more toward pedestrian activities and mixed density housing. The project will need to consider traffic impacts to vehicular movement through the city and may require additional capacity projects to mitigate the effects of the decoupling. Consideration should also include analysis of resultant City street maintenance costs.

#### **JUSTIFICATION:**

This change will create a safer environment and reduce barriers for non-motorized and pedestrian traffic and provide better access for businesses and homes located along the decoupled corridor; and initiate the redevelopment of Front Street.

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.09969 -123.419083  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** PEDESTRIAN / BIKE  
**ESTIMATED TOTAL PROJECT COST:** \$1,000,000

#### **ABOUT THE PROJECT:**

Sidewalks along Porter Street and Mt Angeles Road do not currently exist. These are walking routes to Peninsula College, Franklin Elementary School, the Boys & Girls Club and Port Angeles High School. Install sidewalks, with curb ramps on designated school walking routes from Eckert North to Park Ave on both Porter Street and Mt Angeles Road. Subject to Safe Route to School grant funding and complete streets funding. Unfunded at a cost of \$100,000 per block (estimate), approximately \$1.0 million in total costs.

#### **JUSTIFICATION:**

Increase safety for all when accessing schools and the city.



CITY OF PORT ANGELES



2021 - 2026  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN



# 2019 COMPLETED PROJECTS



# 2019 COMPLETED PROJECTS - GOVERNMENTAL PROJECTS

## GENERAL GOVERNMENT CAPITAL PROJECTS

PROJECTS COMPLETED IN 2019		Actual	Budget
CAPGF	Finger Printing Machine	9,620	9,300
CAPPC	Pencom Equipment	53,698	118,000
CAPLE	Blighted Properties	12,000	18,000
FD0615	Fire Hoses	7,398	10,000
PD0116	Mobile Data Terminal replacements	26,959	28,800
FD0118	Defibrillator replacement	34,139	38,200
<b>TOTAL COMPLETED PROJECTS</b>		<b>143,815</b>	<b>222,300</b>

## EQUIPMENT SERVICES

PROJECTS COMPLETED IN 2019		Actual	Budget
Police		141,745	151,200
Fire & Medic 1		258,584	244,300
Parks & Recreation		105,022	91,000
Light Operations		70,013	53,400
Wastewater		65,025	62,400
Solid Waste		53,486	45,800
Equipment Services		24,597	25,000
Streets		23,582	-
<b>TOTAL COMPLETED PROJECTS</b>		<b>742,055</b>	<b>673,100</b>

## INFORMATION TECHNOLOGY PROJECTS

PROJECTS COMPLETED IN 2019		Actual	Budget
IT0217 - SCADA Server replacements		84,138	84,900
<b>TOTAL COMPLETED PROJECTS</b>		<b>84,138</b>	<b>84,900</b>

## TRANSPORTATION PROJECTS

PROJECTS COMPLETED IN 2018		Actual	Budget
TR0111	Marine Channel Bridge	610,474	675,000
TR0515	Lauridsen Blvd overlay	966,604	1,030,800
TR1100	10th Street Reconstruction	1,857,086	2,000,000
TR1118	Revolving Street Improvements	14,482	30,000
<b>TOTAL COMPLETED PROJECTS</b>		<b>3,448,647</b>	<b>3,735,800</b>



# 2019 COMPLETED PROJECTS - UTILITY PROJECTS

## ELECTRIC PROJECTS

PROJECTS COMPLETED IN 2019		Actual	Budget
CL0219	Underground Cable Replacement 2019	215,028	220,000
CL0218	Leasehold Improvements	95,530	150,000
<b>TOTAL COMPLETED PROJECTS</b>		<b>310,558</b>	<b>370,000</b>

## WATER PROJECTS

PROJECTS COMPLETED IN 2019		Actual	Budget
CAPWT	Miscellaneous Water Capital	6,561	59,500
WT0518	10th Street Water Main to N	284,649	330,000
WT0215	Marine Channel Bridge - Water	68,871	83,200
<b>TOTAL COMPLETED PROJECTS</b>		<b>360,081</b>	<b>472,700</b>

## WASTEWATER PROJECTS

PROJECTS COMPLETED IN 2019		Actual	Budget
WW0205	Biosolids Dewatering	1,412,926	1,435,000
WW0315	Marine Channel Bridge	75,816	89,900
WW1218	10th St Sewer Main	19,834	23,000
CAPWW	Misc Pumps for WWTP	64,440	84,000
<b>TOTAL COMPLETED PROJECTS</b>		<b>1,573,017</b>	<b>1,631,900</b>

## SOLID WASTE PROJECTS

PROJECTS COMPLETED IN 2018		Actual	Budget
SW0217	Landfill Flare Replacement	157,274	198,500
<b>TOTAL COMPLETED PROJECTS</b>		<b>157,274</b>	<b>198,500</b>

## STORMWATER PROJECTS

PROJECTS COMPLETED IN 2019		Actual	Budget
DR0118	10th Street Stormwater	328,235	387,300
DR0319	Lauridsen Blvd Stormwater	25,300	25,300
<b>TOTAL COMPLETED PROJECTS</b>		<b>353,535</b>	<b>412,600</b>



CITY OF PORT ANGELES



2021 - 2026  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN



# LINK TO CITY OF PORT ANGELES' COMPREHENSIVE PLAN & STRATEGIC PLAN



# LINK TO THE COMPREHENSIVE PLAN AND STRATEGIC PLAN

As part of the City's strategic planning process, the City Council adopted a Mission Statement to guide the community towards its preferred future. The statement reads:

The City of Port Angeles is vibrant and prospering, nurturing a balance of innovation and tradition to create an environmentally, economically, and fiscally sustainable community, accepting and cherishing its social diversity, small-town character and natural setting.

The capital projects are compatible with the goals of the Comprehensive Land Use Plan, which is a general guide to location, character and land use, including the supporting infrastructure and public facilities.

In the following table you can reference the strategic goals achieved by completion of the project, and the comprehensive goal, and in some cases the comprehensive objective. The items being met are listed in the attached strategic plan approved by Council in 2019, and the comprehensive goals listed below:

- G-4A – To develop a coordinated, multimodal transportation system, which serves all areas of the city and all types of users in a safe, economical and efficient manner.
- G-4B – To improve circulation patterns across and within the community, and to achieve the desired urban design of the City.
- G-5D – To provide utility services in an efficient and cost-effective manner.
- G-9A – To create and maintain a balanced and stable local economy with full employment and emphasis on strengthening the community's traditional natural resource related industries as well as diversifying the overall economic base.
- G-10A – To acquire, develop, renovate, and maintain a system of parks, recreational facilities, and open spaces to ensure that the contributions of natural resources and recreation to human well-being are maintained and recognized as a value.
- G-10B – To enhance the quality of life in the community by providing facilities, services and programs that offer positive opportunities for building healthy, safe, and productive lives.
- G-10D – To provide a sustainable park system that meets the needs of the broadest segment of the population as possible by managing the city's available fiscal resources in a responsible manner.
- P4A.01 – Pedestrian, bicycle, and other non-motorized paths, bike racks, storage facilities, drinking fountains, and benches should be an integral part of the circulation system.
- P4A.02 – The safety of non-motorized modes of transportation shall be a primary consideration in the circulation system. Adequate sidewalks, crosswalks and handicapped access shall be provided in relation to all new subdivisions, and required for all development projects where sidewalks do not exist.
- P4A.03 – The collector arterial streets and local access streets should serve primarily local traffic with special emphasis on safety for pedestrian, bicycle, and non-motorized traffic.
- P4A.06 – The City should encourage development of low-carbon-impact transportation infrastructure.
- P4A.09 – The City should work to aid development of the Olympic Discovery Trail which passes through and along key parts of its park, street, pedestrian, and non-motorized transportation systems and facilities.



- P-4A.10 – The City should work to aid development of the Olympic Discovery Trail which passes through and along key parts of its park, street, pedestrian, and non-motorized transportation systems and facilities.
- P-4B.01 – Traffic flow modifications such as signalization, signing, parking restrictions, channelization, and one-way couplets should be made before physical alterations are made to existing streets.
- P-4B.06 – Alternate local cross-town route improvements should be given a high priority in capital facility planning.
- P-4B.18 – The development of the City’s comprehensive service and facilities plan for streets, bikeways, pedestrian walkways, and the overall transportation system, and regional transportation plans should all be consistent. These plans, as adopted and hereafter amended, are incorporated herein.
- P-4B.23 – The City should include the development of Race Street intersections with Front and First Streets as architecturally significant National Park gateway in its plans for improvements to the Race Street corridor.
- P-5D.04 – The City should promote and encourage energy conservation, renewable energy, distributed energy generation, improved distribution efficiencies, and recycling efforts throughout the community. The City’s own practices should serve as a model.
- P-10B.04 – The City should manage park facilities in a manner that will ensure public safety, keep the parks free of misuse to the greatest extent possible and result in a sustainable and resilient park system.

#### OBJECTIVES MET:

- O-4.01 Design and develop the following segments of the Olympic Discovery Trail:
  - o Marine Drive to 10th Street
  - o City Pier along Railroad Avenue to Laurel Street
  - o Other segments as funding and opportunity provide, coordinated with the City’s park, street and trail systems.
- O-4.02 – Identify funding and implementation strategies for the Valley Creek Loop Trail connecting the Valley and Peabody Creek corridors with the Foothills Trail system.
- O-4.03 – Review and update the City’s Urban Services Standards and Guidelines, including direction for transportation facility improvement that:
  - o Including bike path development and maintenance, signage, and storage.
  - o Assess cost/benefits of bicycle-friendly infrastructure.
- O-4.06 – Develop a “Complete Streets” program for Port Angeles, helping identify travelways accommodate all modes of transportation as appropriate for the needs and conditions of each neighborhood or district.
- O-4.04 – Review and update the City’s Urban Services Standards and Guidelines, including:
  - o Street trees
  - o Art and creative community-oriented beautification efforts
  - o Pedestrian and bicycle amenities
  - o Sidewalks on both sides of streets
- O-4.08 – In coordination with the County, RTPO, and state and federal agencies, study a future US101 corridor alignment including evaluation of the Heart of the Hills Parkway and Coastal Corridor concepts. (Route along Lauridsen Blvd. east of Race Street will not be considered).



## STRATEGIC GOALS MET:

Financial Capacity Actions/Measures –

A2 – Provide Capital Facilities Plan for 2020-2025 by May 8, 2019.

Quality of Life Goals –

C. Improved multi-modal transportation corridors.

D. Enhanced aesthetic that celebrates unique local history, climate and culture.

Quality of Life Strategies –

- Improve transportation circulation patterns and amenities for walking, biking and connecting to neighborhoods to downtown, commercial districts and trail systems.
- Improve design and beautification efforts in parks, downtown and visitor areas.

Quality of Life Actions/Measures –

C1. Implement Complete Streets Policy for transportation improvements that encourage safe biking, walking and transit use.

o Complete 10th Street construction June 30, 2019

o Complete 90% Construction drawings for Lincoln Street by December 31, 2020

o Hill Street Bid package December 31, 2019

o Race Street Complete Design December 31, 2020

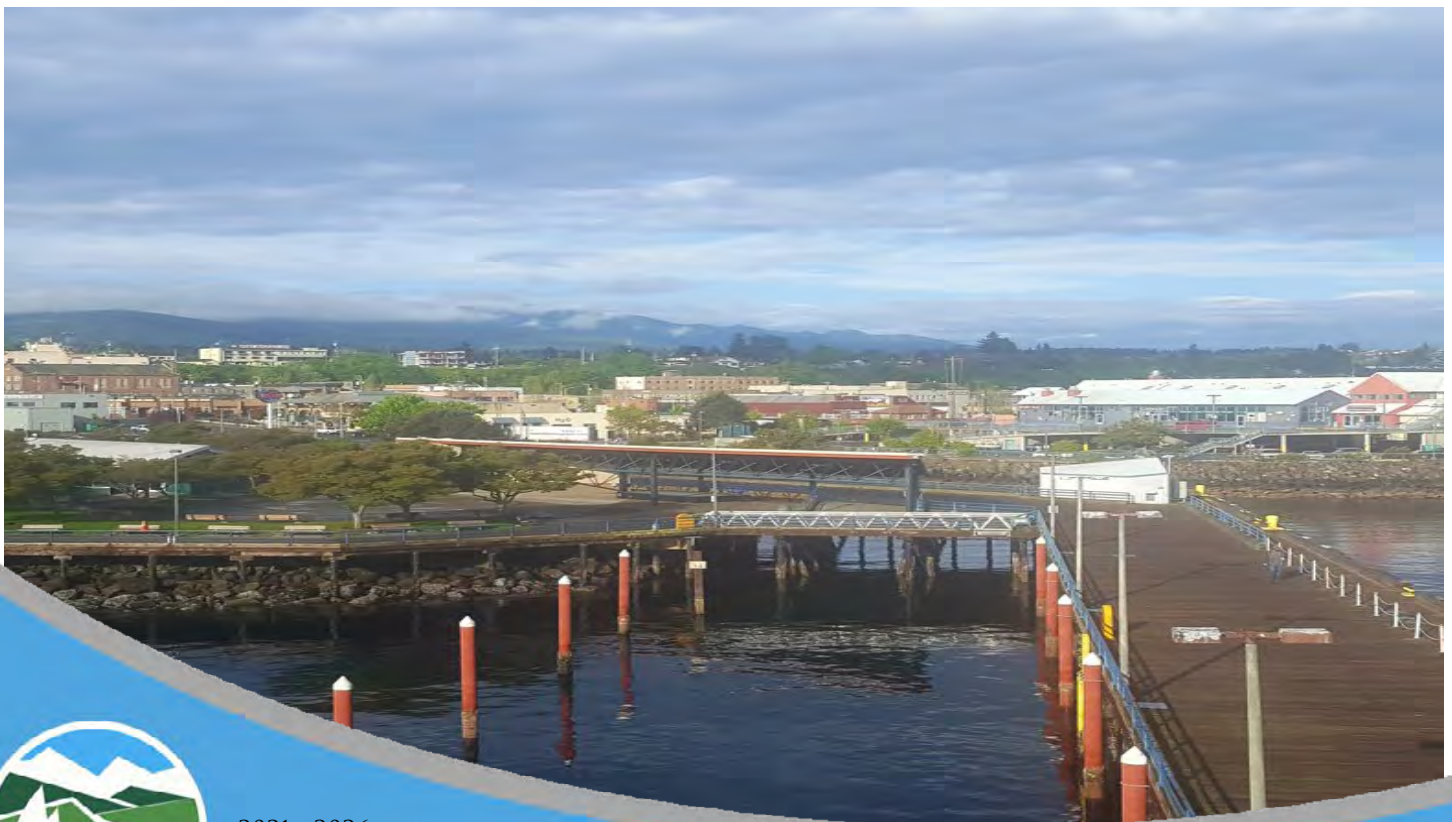
D1. Prepare bid-ready Wayfinding Plans by December 31, 2019.

D4. Improve Civic Field ADA sidewalk/entrance by June, 2019.

D6. Replace Erickson Playfield playground by December 31, 2020.

D7. Remove unsafe playgrounds and plan for part revitalization: Lincoln Park, Charles Wilson Park, Wolverton Park, and Pirate Ship at City Pier by December 3, 2020.

D9. Public Restroom Replacement and assessment of bathroom facility availability by December 31, 2019.



2021 - 2026

CITY OF PORT ANGELES

CAPITAL FACILITIES PLAN & TRANSPORTATION IMPROVEMENT PLAN

PAGE 304

# CITY OF PORT ANGELES' STRATEGIC PLAN

2 years from now, in order to... / we must... / by focusing resources to... / we will...

	Objectives (words)	Goals (numbers)	Strategies (words)	Actions / Measures (numbers)
Quality of Life	<p>1. Preserve long-term economic, ecological and social wellbeing while demonstrating innovative and desirable urban design principles.</p>	<p>Adopt plans and policies by the end of 2020 that pave the way for:</p> <p>A. Increased density for all land uses.</p> <p>B. Diverse housing options in attractive mixed-use neighborhoods.</p> <p>C. Improved multi-modal transportation corridors.</p> <p>D. Enhanced aesthetic that celebrates unique local history, climate, and culture.</p>	<ul style="list-style-type: none"> <li>Implement zoning to encourage infill and support mixed-use development in existing neighborhoods</li> <li>Create process for consistent code enforcement efforts</li> <li>Improve transportation circulation patterns and amenities for walking, biking, and connecting neighborhoods to downtown, commercial districts and trail systems</li> <li>Improve design and beautification efforts in parks, downtown, and visitor areas</li> </ul>	<p>A. <i>Increased density and efficient land use:</i></p> <ol style="list-style-type: none"> <li>Implement City Code Compliance Program; hire necessary staff by Dec 31, 2019 <b>CED, Legal, PD – Updated time Proposed in FY 20 Budget</b> <ul style="list-style-type: none"> <li>Evaluate implementation of 311 or similar system in conjunction with code compliance program December 31, 2020 <b>CM (IT Division) On Schedule</b></li> </ul> </li> <li>Evaluate vacant property fees/tax by Dec 31, 2019 <b>Legal Project Complete with Work Session on September 26</b></li> <li>Annual Assessment of progress per AIA Urban Design Study Dec. 31, 2019 <b>CM On Schedule</b></li> <li>Leverage city-owned assets for development (list) by Dec 31, 2020 <b>CM, PW On Schedule</b></li> <li>Evaluate feasibility of Volunteer Coordinator by Dec 31, 2020 <b>CM (HR) On Schedule</b></li> </ol> <p>B. <i>Diverse housing options:</i></p> <ol style="list-style-type: none"> <li>Complete Housing Needs Assessment by Feb 2019 <b>CED</b> and begin implementation of assessment <b>Municipal Code changes approved November 6<sup>th</sup> for 1<sup>st</sup> implementation</b></li> <li>Update subdivision code to encourage infill by Dec 31, 2020 <b>CED On hold pending Council discussion</b></li> </ol> <p>C. <i>Multi-modal transportation:</i></p> <ol style="list-style-type: none"> <li>Implement Complete Streets Policy for transportation improvements that encourage safe biking, walking, and transit use.                             <ul style="list-style-type: none"> <li>Complete 10<sup>th</sup> Street construction June 30, 2019 <b>PW Project Complete</b></li> <li>Complete 90% Construction Drawings for Lincoln Street by Dec 31, 2020 <b>PW On Schedule</b></li> <li>Hill Street Bid Package Dec 31, 2019 <b>PW, CED On Schedule</b></li> <li>Race Street Complete Design Dec 31, 2020 <b>CED On schedule</b></li> </ul> </li> <li>Provide multi-modal transportation maps by Dec 31, 2019 <b>PW On schedule</b></li> </ol> <p>D. <i>Enhanced aesthetic:</i></p> <ol style="list-style-type: none"> <li>Prepare bid-ready Wayfinding Plans by Dec 31, 2019 <b>CED Behind schedule – Project delayed due to CED staff on leave – bid package by March 2020. Likely a 2-year project.</b></li> <li>Update Sign Code by Dec 31, 2019 <b>CED, Legal On Schedule</b></li> <li>Implement form-based techniques into zoning code updates by Dec 31, 2020 <b>CED On Schedule</b></li> <li>Improve Civic Field ADA sidewalk/entrance by June 30, 2019 <b>P&amp;R Behind Schedule- Winter of 2019/2020</b></li> <li>Implement tobacco-free ordinance in parks and public spaces by Nov 30, 2019 <b>P&amp;R Delayed until Municipal Code review</b></li> <li>Replace Erickson Playfield Dream Playground by Dec 31, 2020 <b>P&amp;R On Schedule</b></li> <li>Remove unsafe playgrounds and plan for park revitalization: Lincoln Park, Charles Wilson Park, Wolverton Park, and Pirate Ship at City Pier by Dec 31, 2020 <b>P&amp;R On schedule</b></li> <li>Review and analysis of existing landscape standards and policy, identify gaps in policy and gaps in enforcement for upholding City landscape standards and tree stewardship by Sep 30, 2019 <b>CM &amp; Multiple Departments Behind schedule – postpone until Dec 31, 2019</b></li> <li>Public Restroom Replacement and assessment of bathroom facility availability by Dec 31, 2019 <b>P&amp;R On schedule – Construction 2020</b></li> </ol>



	Objectives (words)	Goals (numbers)	Strategies (words)	Actions / Measures (numbers)
Financial Capacity	2. Build financial capacity to provide consistent, quality municipal services and infrastructure improvements.	A. Identify City 5-year priorities reflecting forecasted revenues, expenses, and Council-driven budget goals by <u>year end 2020</u> .	<ul style="list-style-type: none"> <li>Leverage City-owned assets</li> <li>Source new revenue streams</li> <li>Evaluate multiple funding models:               <ul style="list-style-type: none"> <li>~ State / Federal grants</li> <li>~ Property and asset sales</li> <li>~ Special benefit districts</li> <li>~ Public-private enterprise</li> <li>~ Expand tax base</li> </ul> </li> </ul>	<p>A. 5-year priorities reflecting forecasted revenues, expenses:</p> <ol style="list-style-type: none"> <li>Update Long Range Financial Plan for 2019-24 by Aug 31, 2019 <b>Finance Updated time – April 2020</b>.</li> <li>Provide Capital Facilities Plan for 2020-25 by May 8, 2019 <b>Finance Complete</b></li> <li>Plan for maturity of L.T.G.O. Bond by July 31, 2019 <b>Finance Complete – Built into 2020 Budget</b>.</li> <li>Update Affordability Index to assess local taxes, utility rates, and disposable income against regional benchmarks by June 30, 2019 <b>Finance, PW Project Complete 10/15/2019</b></li> <li>Complete COSA by June 30, 2019 <b>Finance Project complete 10/15/2019</b></li> </ol>
Organizational Excellence	3. Exemplify excellence in government and community leadership.	<p>Adopt plans and policies by the end of 2020 that support and enable:</p> <p>A. Identify 3 new or improved methods of promoting community awareness of City plans, programs and services by 2020.</p> <p>B. Increase Council inter-jurisdictional collaboration.</p> <p>C. Taking care of what we have.</p>	<ul style="list-style-type: none"> <li>Upgrade tools and technology for internal efficiency, transparency, and convenience for public use</li> <li>Improve external communication and protocols for managing public expectations</li> <li>Leverage community groups to provide for citizen involvement</li> <li>Create inter-jurisdictional Community Agendas led by City Council members</li> <li>Collaborate with agencies and organizations</li> </ul>	<p>A. Community Awareness:</p> <ol style="list-style-type: none"> <li>Define Levels of Service Dec 31, 2019 <b>CM, All Departments On schedule</b></li> <li>Implement Communication Plan by Dec 31, 2020 <b>CM On schedule</b></li> <li>Complete a community-driven Climate Action Plan by Nov 30, 2019 <b>Council, FD Behind schedule, will likely extend into December</b> <ul style="list-style-type: none"> <li>Identify feasible steps of zero waste, 100% recycling and renewables <b>PW Dec 31, 2020 On schedule</b></li> </ul> </li> <li>Continue Community Agenda topics: a) Housing, b) Homelessness issues, c) Schools, d) Opioid crisis, e) Creeks Ongoing <b>Council</b></li> <li>Continue work on continuity of operations planning by Dec 31, 2019 <b>FD On schedule</b></li> <li>Mass notification system training by Dec 31, 2019 <b>FD On schedule</b></li> </ol> <p>B. Interjurisdictional Collaboration:</p> <ol style="list-style-type: none"> <li>Provide City leadership to facilitate community-driven disaster preparedness (e.g. map your neighborhood) by Dec 31, 2020 <b>FD On schedule</b></li> <li>Implement Community Paramedicine Program in 2019 &amp; secure funding by Dec 31, 2020 <b>FD On schedule</b></li> <li>PEN COM/IEFF COM Regionalization – merge dispatch database and deploy single enterprise software solution for both counties Dec 31, 2020 <b>PD On schedule</b></li> <li>Emergency Operations Center by December 31, 2020 <b>FD &amp; PD On schedule</b></li> <li>Police Explorer Post – deploy police explorer program with vetted youth, trained law enforcement, partnership w/Boy Scouts Dec 31, 2020 <b>PD Completed</b></li> <li>Clallam County PUD resolve long term water and electrical agreement concerns by Dec 31, 2020 <b>PW On-Going</b></li> <li>Dry Creek water agreement resolve long term water concerns by Dec 31, 2019 <b>PW On Schedule</b></li> </ol> <p>C. Taking Care of What We Have:</p> <ol style="list-style-type: none"> <li>WA Association of Sheriffs and Police Chiefs Re-Accreditations Dec 31, 2019 <b>PD On schedule</b></li> <li>Identify and evaluate the viability and values of excess properties not being used for municipal purpose by Dec 31, 2019 (e.g. Morse Creek) <b>CM, Legal, PW On schedule</b></li> <li>Implement life-cycle asset management plan for replacement costs by Sep 30, 2020 <b>Finance, PW, P&amp;R On schedule</b></li> <li>Manage claims by and against the City relating to Harbor Cleanup Dec 31, 2019 <b>Legal On schedule</b></li> <li>Analyze response times and fire related impacts to housing development Dec 31, 2020 in conjunction with EOD <b>FD On schedule</b></li> </ol>

Department Key:

1. FD: Fire Department
2. PD: Police Department
3. P&R: Parks and Recreation

4. PW: Public Works
5. Legal
6. CED: Community and Economic Development

7. Finance
8. CM: City manager



# PROJECT CROSS REFERENCE TO THE COMPREHENSIVE PLAN AND STRATEGIC PLAN

PROJECT NUMBER	PROJECT DESCRIPTION GOVERNMENTAL	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
<b>GENERAL GOVERNMENT/FACILITIES</b>					
GG0303	NICE Program	Economic Dev	G-9A		
GG1113	Facility Security Projects	Facility			
GG0416	City Hall Fire Suppression System	Facility			
GG0516	Senior Center Fire Suppression System	Facility			
GG0916	Valley Creek Restoration Phase 3	Civic Improvement			
GG0119	Ennis Creek Fish Barrier Removal	Transportation			
GG0418	City Entrance Monuments	Facility			Quality of Life - Strategy
GG0319	Peabody Creek Daylight	Civic Improvement			Quality of Life - Strategy
<b>PUBLIC SAFETY</b>					
CAPPC	Pencom Capital	Public Safety			
CAPM1	Medic 1 Revolving	Public Safety			
FD0415	Fire Dept Turn-Out Gear	Public Safety			
FD0615	Fire Hoses	Public Safety			
FD0118	Defibrillator Revolving Account	Public Safety			
FD0218	Self Contained Breathing App.	Public Safety			
PD0307	Police Regional Training & Gun Range Facility	Public Safety			
PD0116	Mobile Data Terminal Replacements	Public Safety			
PD0120	Police Taser Replacements	Public Safety			
PD0119	Computer Aided Dispatch, Law Enforcement records	Public Safety			
FD0315	Fire Station Garage Door	Facility			
FD0318	Emergency Management Pods	Public Safety			
FD0219	Emergency Operations Center	Facility			
FD0120	Fire Station Front Driveway Repair	Facility			
GG0616	Fire Hall HVAC	Facility			
FD0216	Fire Training Facility	Public Safety			
FD0316	Senior Center EOC Generator	Public Safety			
FD0416	Radio Transmitter Generator	Public Safety			
<b>PARKS AND RECREATION</b>					
PK0216	Facility Improvement Revolving Fund	Facility			
PK0205	Restroom Replacement Program	Parks	G-10A; G-10B		Quality of Life - Actions - D9
PK0418	Civic Field Upgrades	Facility/Parks			Quality of Life - Actions - D4
PK0318	Waterfront Trail Rip-Rap Repair	Transportation	G-4; P-4A.10		
PK0819	City Pier Railing Replacement	Transportation	G-10A, P-10B.04		
PK0120	24 Hour Restroom Pilot Project	Facility/Parks	G-10A; G-10B		
PK0220	Field Turf at Volunteer Field	Parks	P-10B.04		
PK0219	Generation II Dream Playground	Parks	P-10B.04		Quality of Life - Actions - D7
PK0719	Parks Maintenance Building	Facility/Parks			
PK0919	Fine Arts Center Capital Improvements	Facility/Parks	P-10B.04		
PK0119	Erickson Playfield Pump Track	Parks			Quality of Life - Actions - D5
PK0519	City Pier Hillside Stabilization (Peabody Creek)	Transportation	P-10B.04		
PK0316	Locomotive #4 Refurbishment	Civic Improvement			Quality of Life- Goals - D
PK0319	City Pier Inspection Repairs	Transportation	P-10B.04		
PK0320	HVAC Upgrades at City Hall & Sr Center	Facility			
PK0406	Shane & Elks Field Lighting	Parks	G-10A; G-10B		
PK0420	Ediz Hook Boat Launch Repairs	Facility/Parks			
PK0802	Neighborhood Park Development	Parks	G-10A; G-10B		

PROJECT NUMBER	PROJECT DESCRIPTION ELECTRIC	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
CLCAP	Maintenance Capital Contribution		G-5D		
CL0414	Light Ops Building		G-5D		
CL0916	Replace Laurel St Substations Switchgear		G-5D		
CL0716	"F" Street Substation Transformer and Switchgear		G-5D		
CL0119	Overhead Reconductoring - 2020		G-5D		
CL0319	Underground Cable Replacement - 2020		G-5D		
CL0217	I Street Substation SwitchGear		G-5D		
CL0220	Laurel Street LTC Replacement		G-5D		
CL0320	F Street LTC Replacement		G-5D		
CL0420	College Street LTC Replacement		G-5D		
CL0919	Replace "A" Street Substation Breaker		G-5D		
CL0419	Underground Cable Replacement - 2021		G-5D		
CL0620	Electric Vehicle Charging Station		G-4A; P-4A.06; G-5D; P-5D.04		
CL0519	Underground Cable Replacement - 2022		G-5D		
CL0216	City / PUD Service Area Agreement		G-5D		
CL0117	Washington Street Substation SwitchGear		G-5D		
CL0819	Overhead Reconductoring - 2023		G-5D		
CL0619	Underground Cable Replacement - 2023		G-5D		
CL0719	Underground Cable Replacement - 2024		G-5D		
CL1019	Underground Cable Replacement - 2025		G-5D		
CL0120	F Street Transformer Replacement		G-5D		
CL0202	Feeder Tie Hwy 101, Porter to Golf Course Road		G-5D		
CL0816	College Street Substation SwitchGear		G-5D		
CL0520	Substation Seismic Bracing		G-5D		



PROJECT NUMBER	PROJECT DESCRIPTION WATER	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
CAPWT	General Water Equipment			G-5D	
WT0118	Ranney Well Roof			G-5D	
WT0220	Ranney Well Generator Relocate			G-5D	
WT0419	Decant Facility at Transfer Station - Water Soils Decant Bays			G-5D	
WT0120	Water System SCADA Upgrade			G-5D	
WT0218	Reservoir Repairs			G-5D	
WT0619	Peabody Reservoir Inlet Pipe Replacement			G-5D	
WT0519	WATER TREATMENT PLANT REPAIRS			G-5D	
WT0319	Ground Water Test Wells			G-5D	
WT0320	Morse Creek Transmission Main Eval/Design			G-5D	
WT0612	3rd Street and Vine Street Main			G-5D	
WT0420	Ennis Creek Water Main Relocate			G-5D	
WT0111	Liberty Street Water Main			G-5D	
WT0219	Peabody Heights Floating Cover Replacement			G-5D	
WT0512	East 4th Street Water Main			G-5D	
WT0212	East 6th Street Water Main			G-5D	
WT0412	West 4th Street Water Main			G-5D	
WT0717	Race/Caroline Street Fire Flow			G-5D	
WT0112	10th Street Water Main			G-5D	
WT0116	Marine Drive Main Replacement, Phase 2			G-5D	
WT0117	Mill Creek Reservoir Expansion			G-5D	
WT0119	McDougal Pressure Subzone			G-5D	
WT0214	Transmission Main East of Golf Course Road			G-5D	
WT0217	Airport/Edgewood Drive Water Main Extension			G-5D	
WT0314	Tumwater Truck Rt Commercial Fire Flow LID			G-5D	
WT0317	Scribner Booster Station Upgrade			G-5D	
WT0318	Viewcrest/Laurel Intertie/PRV			G-5D	
WT0417	First Street/Laurel Street Fire Flow			G-5D	
WT0418	10/11 Alley Water Main Replacement			G-5D	
WT0517	6th/Laurel and 5th Fire Flow			G-5D	
WT0617	Porter Street Zone PRV Improvements			G-5D	
WT0817	St Andrews Place Fire Flow Loop			G-5D	
WT0917	East First Street Fire Flow			G-5D	
WT1017	18th Street Fire Flow			G-5D	
WT1117	Lauridsen Blvd/Tumwater Fire Flow			G-5D	

PROJECT NUMBER	PROJECT DESCRIPTION WASTEWATER	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
CAPWW	MISC WASTEWATER			G-5D	
WW0308	Pump Station #3 Replacement			G-5D	
WW0618	2019 Neighborhood Sewer Rehab			G-5D	
WW0519	Decant Facility at Transfer Station - Wastewater Soils Decant Bays			G-5D	
WW0319	Wastewater Comprehensive Plan			G-5D	
WW0219	WWTP Digester Cleaning and Repair			G-5D	
WW0419	WWTP HVAC Replacement			G-5D	
WW0718	2020 Neighborhood Sewer Rehab			G-5D	
WW0508	Digester Mixing Improvement WWTP			G-5D	
WW0818	2021 Neighborhood Sewer Rehab			G-5D	
WW0420	WWTP Potable Water Air-Gap			G-5D	
WW0220	West 4th Street Capacity Improvement			G-5D	
WW0520	Sanitary Force Main Relocate (Lees Creek)			G-5D	
WW0715	Oak Street Sewer Separation			G-5D	
WW0815	Laurel Street Sewer Separation			G-5D	
WW0918	2022 Neighborhood Sewer Rehab			G-5D	
WW0516	WWTP Boiler Replacement			G-5D	
WW1018	2023 Neighborhood Sewer Rehab			G-5D	
WW1118	2024 Neighborhood Sewer Rehab			G-5D	
WW0120	Pump Station 3 Force Main Replacement			G-5D	
WW0415	Pump Station #5 Rehabilitation			G-5D	
WW0915	Pump Station #6 Improvements			G-5D	
WW0110	Aeration Blower Replacement			G-5D	
WW0217	Ennis Creek Force Main Removal			G-5D	
WW0608	Waste Activated Sludge Thickening WWTP			G-5D	
WW1115	1st & 2nd Streets Alley Sewer Separation			G-5D	
WW1215	Shane Park Sewer Separation			G-5D	
WW1315	Pine Hill Sewer Separation			G-5D	
WW0119	Biosolid Pyrolysis			G-5D	
WW0518	Francis Street Sewer Trestle Repair			G-5D	
WW0320	WWTP Septic Truck Pad Repair			G-5D	



PROJECT NUMBER	PROJECT DESCRIPTION CSO	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
WW0117	Francis Street Pigging Bypass		G-5D		
WW0316	CSO 6 and 7 Reconstruction		G-5D		

PROJECT NUMBER	PROJECT DESCRIPTION SOLID WASTE	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
SW0112	Decant Facility at Transfer Station		G-5D		
SW0117	Landfill Operating Software		G-5D		
SW0120	Landfill Pump Station 17 Repair		G-5D		
SW0218	Landfill Security Fencing		G-5D		

PROJECT NUMBER	PROJECT DESCRIPTION STORMWATER	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
DR0213	H Street Stormwater Outfall		G-5D		
DR0215	Francis Street Outfall Repair		G-5D		
DR0120	Decant Facility at Transfer Station - Stormwater Soils Decant Bays		G-5D		
DR0119	N Street Outfall Improvement		G-5D		
DR0804	Lincoln Park/Big Boy Pond Study		G-5D		
DR0404	Canyon Edge & Ahlvers Stormwater		G-5D		
DR0117	Peabody Creek Water Quality Project		G-5D		
DR0115	Liberty Street Stormwater Improvement		G-5D		
DR0304	Laurel Street and US 101 Stormwater		G-5D		
DR0219	Outfall to Creek Improvement Program		G-5D		
DR0112	Valley Creek Culvert and Outfall		G-5D		

PROJECT NUMBER	PROJECT DESCRIPTION INFORMATION TECHNOLOGY	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
IT0714	Data Backup Systems Replacement		G-5D		
IT0514	Data Storage Array Systems		G-5D		
IT0319	NETWORK Refresh		G-5D		
IT0918	Internal Network Segmentation & VLAN Configuration		G-5D		
IT0218	Click2Gov3 / Fusion		G-5D		
IT0816	Facility and Class Management Scheduling		G-5D; G-10D		
IT0214	Records Management System		G-5D		
IT0416	Cemetery Software				
IT0119	Wireless Bridge		G-5D		
IT0716	ERP Road Map				
IT0219	City Hall Wireless Network		G-5D		
IT1018	UPS Replacement- Disaster Recovery DataCenter				
IT1118	IT Security Audit				
IT0617	SunGard Executime Scheduling Module				
IT0618	Virtual Server Replacements - EXSI		G-5D		
IT0120	Development Services Permitting Software				
IT0216	Business License System				
IT1213	Enterprise Information System Upgrade or Replace		G-5D; G-10D		
IT0220	On/Off Boarding Software				
IT0320	ESRI Migration to Arc Pro		G-5D		



PROJECT NUMBER	PROJECT DESCRIPTION TRANSPORTATION	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
<b>TRANSPORTATION BENEFIT DISTRICT PROJECTS</b>					
TR1118	Revolving Street improvements	Restoration	G4		
TR0414	Peabody Creek/Lincoln St Culvert Repair	Restoration	G4		
TR1299	Park Avenue Chip Seal	Preservation	G4		
TR1516	Peabody Street Chip Seal Ph1	Restoration	G4		
TR0215	Peabody Street Chip Seal Ph3	Preservation	G4		
TR0315	Peabody Street Chip Seal Ph2	Preservation	G4		
TR0218	Lincoln Street Safety	Safety	G4A; P-4A.01	0-4.03	Quality of Life- Goals - C
TR0615	Golf Course Road Chip Seal	Restoration	G4		
TR1416	Hamilton School Walking Routes	Pedestrian / Bike	G4A; P-4A.01	0-4.03	Quality of Life- Goals - C
TR0616	ADA - Francis Street	Pedestrian / Bike	G4A; P-4A.01	0-4.03	Quality of Life- Goals - C
TR0320	2021 Pavement Preservation	Preservation	G4		
TR0618	Stevens Middle School Walking Routes	Safety	G4A; P-4A.03; P-4A.02	0-4.04	Quality of Life- Goals - C
TR0115	N Street (5th to 15th) - Chip Seal	Preservation	G4		
TR0518	I Street (5th to 16th) Chipseal	Preservation	G4		
TR0316	8th Street (A to I) Chip Seal	Preservation	G4		
TR0219	5th Street Chip Seal - A to M Street	Preservation	G4		
TR0417	Ennis Street Pavement Repair	Preservation	G4		
TR0117	Liberty Street Reconstruction	Restoration	G4		
TR1799	Truck Route at Hwy 101 Intersection	Mobility	G4	0-4.08	
TR0420	2023 Pavement Preservation	Preservation	G4		
TR0716	ADA - Peabody Street	Pedestrian / Bike	G4A; P-4A.03; P-4A.02; P-4A.09		Quality of Life- Goals - C
TR0915	Park Avenue Paving Overlay	Preservation	G4		
TR0520	2024 Pavement Preservation	Preservation	G4		
TR0119	8th Street Paving - Lincoln to A	Preservation	G4		
TR0620	2026 Pavement Preservation	Preservation	G4		
TR0419	Lauridsen Blvd Reconstruction - L to City Limits	Restoration	G4		
TR0720	18th Street Chip Seal	Preservation	G4		
TR0818	Railroad Ave Overlay	Restoration	G4A		
TR0499	Laurel St/Ahlvers Road Overlay	Restoration	G4		
TR0816	ADA - Cherry Street	Pedestrian / Bike	G4	0-4.03	Quality of Life- Goals - C
TR1015	Cherry Street Area Chip Seal	Preservation	G4		
TR0916	ADA - Oak & Laurel Streets	Pedestrian / Bike	G4A; P-4A.03	0-4.03	Quality of Life- Goals - C
TR1899	Lincoln, Laurel and Lauridsen Blvd Intersection	Mobility	G4		
TR0104	2nd and Valley Pavement Restoration	Restoration	G4		
TR0308	O Street Improvements	Restoration	G4		
TR0599	Hill Street Intersection	Mobility	G4		
TR0317	Chase Street Vicinity Chipseal	Preservation	G4		
<b>TRANSPORTATION PROJECTS</b>					
TR0405	Alley Paving Revolving Funding	Restoration	G4		
TR0416	1St/2nd/Valley/Oak Green Alley	Restoration	G4		
TR1120	Complete Streets Revolving Fund	Civic Improvement	G4A; P-4B.23		Quality of Life- Actions - C1
TR0111	Marine Drive Channel Bridge	Restoration	G4		
TR0114	Hill Street-Olympic Discovery Trail	Pedestrian / Bike	G4A; P-4A.01	0-4.01	Quality of Life- Actions - C1
TR0209	Race Complete Street	Civic Improvement	G4A; P-4B.23		Quality of Life- Actions - C1
TR0909	Wayfinding & ODT Signage	Civic Improvement	G4B; P-4B.01	0-4-.03; 0-4.06	Quality of Life- Goals - D
TR1216	5th and Liberty Solar Speed Display	Safety	G4A; P-4A.03; P-4A.02		
TR0519	Peabody St Sidewalk Repair	Pedestrian / Bike	G4		
TR0919	Traffic Safety Camera program		G4		
TR0918	Downtown Tree/Sidewalk Replacement- Phase II	Pedestrian / Bike	G4	0-4.04	
TR0101	Laurel Street Stairs Replacement	Civic Improvement	G4A; P-4A.01	0-4.03	Quality of Life- Goals - C
TR1215	City Hall East Parking Lot LID	Restoration	G4		
TR0715	16th Street LID (C Street to L Street)	Restoration	G4		
TR1020	N Street Solar Speed Display		G4		
TR0220	Traffic Circle Program		G4		
TR0120	Signal Controller Upgrades 1st/Front		G4		
TR1116	School Area Speed Signs (Near Franklin)	Safety	G4A; P-4A.03		
TR1399	Traffic Signal Interconnect/Preemption	Mobility	G4A; P-4A.03		
TR0318	8th/10th Street Bike Lanes	Pedestrian / Bike	G4A; P-4A.01	0-4.03; 0-4.04	Quality of Life- Goals - C
TR0113	Waterfront Redevelopment	Civic Improvement	G4B; P-4B.18	0-4.01	Quality of Life - Strategy
TR1016	18th Street Bike Accessibility	Pedestrian / Bike	G4A; P-4A.01	0-4.03	
TR1109	Marine Drive Bulkhead Repairs	Restoration	G4		
TR0212	Caroline Street Slide Repair	Restoration	G4		
TR1009	1st, Front & Race Street Nodes	Pedestrian / Bike	G4A; P-4A.03	0-4.03	
TR0516	Nancy Lane Pavement	Restoration	G4		
TR0506	Valley Creek Trail Loop	Pedestrian / Bike	G4A; P-4A.03	0-4-.02; 0-4.03	
TR0208	Alternate Cross Town Route Study	Mobility	G4B; P-4B.06	0-4.08	
TR1316	Traffic Control	Safety	G4A; P-4A.03		
TR1018	Zig Zag at Oak Street	Civic Improvement	G4		Quality of Life - Strategy
TR0619	Race Complete Construction Ph1	Civic Improvement	G4		
TR0719	Race Complete Construction Ph2	Civic Improvement	G4		
TR0819	Sidewalks for Mt Angeles Rd & Porter St	Safety/Pedestrian / Bike	G4A; P-4A.02; P-4A.09		

