

THE CITY OF  
**P**ORT **A**NGELES  
WASHINGTON



2022 - 2027

CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN

CITY OF PORT ANGELES



2022 - 2027  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN



# INFORMATION AND RESOURCES

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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



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September 28, 2021

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

I am pleased to present the City's 2022 – 2027 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 2021 for inclusion in the annual budget as well as prepare the capital portion of the 2022 Budget to realize the projects in this plan. The document also incorporates the City's vision for the future as illustrated in the Comprehensive Plan and the Strategic Plan that have been approved by the City Council.

The CFP/TIP, although driven by public vision, is constrained by fiscal realities. This plan is a roadmap to how we can provide reliable, quality services and maintain infrastructure while keeping our commitment to structure utility rates, fees and services so they are affordable to our residents. This principle aligns with Council policy directives including:

- Minimal to no rate impact
- Cash set aside equal to prior year's depreciation
- Leverage projects
- No new debt
- Focus on preventable maintenance to increase asset life
- Complete streets initiative

Balancing affordability of projects by the City and its residents, and the need and risk associated with the City's timely replacement of infrastructure provides sustainability in future years and prevents costly maintenance resulting from deferring projects. The 2022-2027 CFP/TIP includes this balanced approach and allows for long-term sustainability in the years after 2027.

The 2021 total capital budget is proposed at \$33,566,300 with \$16,019,300, or 47.7% 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. In this CFP year the City expects to receive a number of grants for transportation projects totaling \$26,763,000, or 60% of the planned expenditures in the TIP.

Additionally, depreciation levels in all funds are equal to, or exceeding, funding with the exception of the transportation capital fund. This depreciation to cash ratio falls below requested levels as the City maximizes and utilizes every dollar collected from the Transportation Benefit District (TBD) tax. This tax continues to exceed expectations with collection ending the 2020 fiscal year at \$910,375, or 14.3% overbudget, which in turn will allow for more street improvements and repairs as outlined in the TIP.

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

## 2020 Accomplishments

Despite the need to delay many capital projects due to the COVID-19 pandemic staff was able to complete a number of projects in 2020. The City completed \$2,135,925 in projects in 2020. Projects that were not complete by the end of the previous year will carry into the 2021 Budget year for completion. The funding for these projects will remain in the capital fund until the project is complete to ensure these projects are not deferred. Highlights of the finished projects from 2020 include the Waterfront Trail Rip-Rap Repairs, the Peabody Street Sidewalk Improvements and the Peabody Street Chip Seal Phases I, II, and III. A full list of complete projects can be found in the “Complete” section of this document.

## Capital Highlights for the 2021 Budget Year

Due to the need to carry many projects from the 2020 Budget the 2022-2027 CFP/TIP continues the City’s commitment to public safety, community enhancement and transportation from the previous year shown in projects such as: the Downtown sidewalk replacement, the Race Street Design, City Pier railing replacements; restroom replacements, the pavement management plan, continued chip seal projects and Comprehensive Plans in the Water and Wastewater utilities. Additionally, this plan reflects the City’s vision to improve efficiencies and increase capacity with the implementation and replacement of the City’s current Enterprise Resource system. The projects included in this plan demonstrate a diversity of preservation, safety and forward thinking to not only maintain our community, but to help it thrive.

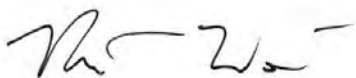
Most importantly the 2021 Capital budget is structured in a way that is not only realistic and financially supported but flexible should the City face further revenue shortfalls resulting from the emergency situation of the on-going COVID-19 pandemic. Projects have been carefully prioritized based on 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, however, at this time the City believes the CFP/TIP is sustainable as presented.

## Conclusion

The CFP/TIP provides one component of continued sound financial footing in regard to the City’s infrastructure and assets. The City will continue to evaluate projects, need, staff time and funding to maintain a balanced approach. Without infrastructure that is safe, reasonable and fully functional City staff cannot properly serve our citizens. 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.

In conclusion, I would like to express my appreciation to all who have contributed to the CFP/TIP including Citizens of Port Angeles, 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 for our great community.

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 2022-2027 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 it 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 in each of the six years outlined in this plan. This section breaks out the projects into their reporting areas. Each area also 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.

The **Comparison to the Prior Facilities Plan** section provides a review of the changes from the 2021-2026 to this 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 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) includes projects within 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.

- Due to the need to delay projects resulting from the COVID-19 pandemic the 2022-2027 CFP/TIP includes a number of projects that were carried from 2020 into the 2021 Budget year. Funding for these projects will remain in the capital cash accounts until these projects are complete. Additionally, some projects were shifted to future years to allow Staff capacity to complete projects. The projects that were moved were carefully considered to ensure there was not any deferred maintenance.
- 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 2020, \$910,375 was collected in revenue for the transportation projects outlined in the 2022-2027 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. However, in order to fully utilize the funding collected from the TBD tax, and various grants received, the transportation fund cash balance falls below the 1:1 depreciation level.

## CHANGES FROM PRELIMINARY DOCUMENT PUBLISHED MAY 4, 2021

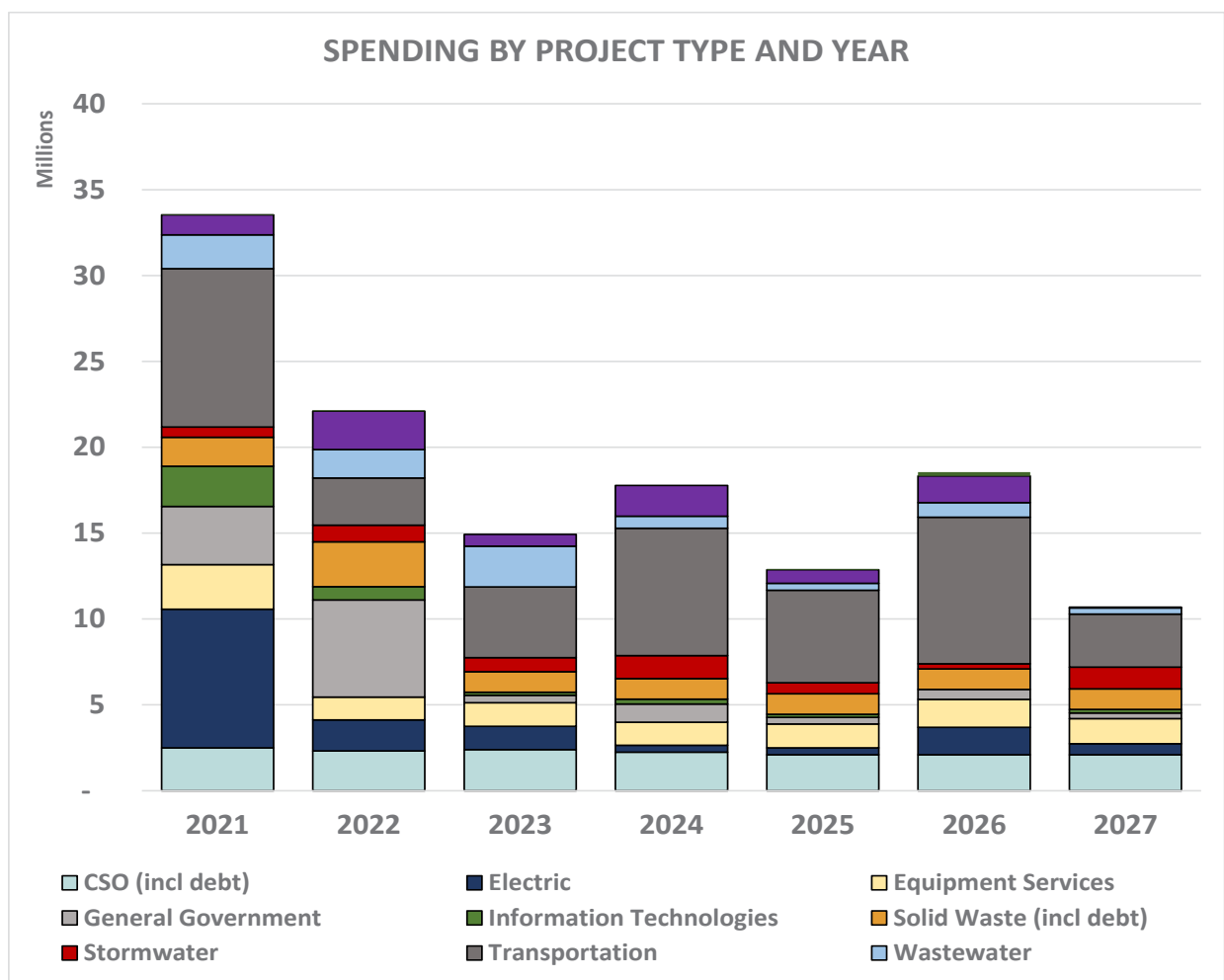
Several changes occurred to the final document of the Capital Facilities Plan as compared to the Preliminary version published in May of 2021. These changes were approved by City Council during the adoption of the 2022-2027 CFP and TIP. These changes are noted below for ease of reference. Additionally, there were changes to depreciation calculation entries and summary sections that resulted from these changes as well as minor typographical corrections.

PROJECT	DESCRIPTION	PAGE
GG0121 - Broadband Improvement Feasibility Study	New project funded in 2022.	42
TR0621 - Waterfront Trail Repairs	Project moved into the TIP under the Public Works Department.	278
TR1109 - Marine Drive Bulkhead Repairs	\$50,000 added for an analysis study in 2023 changing the total estimated project cost to \$3,000,000. The project was also moved from unfunded to funded.	298
TR0721 - Gales Addition Connector Planning	New unfunded project.	305



# EXPENDITURE SUMMARY BY PROJECT TYPE

Expenditures	Budget 2021	CAPITAL FACILITIES PLAN					
		2022	2023	2024	2025	2026	2027
CSO (incl debt)	2,506,400	2,320,100	2,398,300	2,243,800	2,101,900	2,092,800	2,092,100
Electric	8,060,700	1,800,000	1,350,000	400,000	400,000	1,600,000	650,000
Equipment Services	2,603,300	1,334,200	1,384,600	1,351,600	1,392,000	1,630,300	1,455,300
General Government	3,381,100	5,659,600	420,200	1,056,000	380,000	577,300	327,300
Information Technologies	2,342,900	775,000	180,000	280,000	180,000	-	210,000
Medic 1	36,000	37,000	-	-	40,000	223,200	-
Solid Waste (incl debt)	1,691,500	2,605,100	1,193,900	1,192,800	1,194,300	1,194,500	1,193,800
Stormwater	591,200	965,000	826,200	1,348,000	643,000	292,400	1,271,000
Transportation	9,219,700	2,753,200	4,120,000	7,414,000	5,390,000	8,540,000	3,090,000
Wastewater	1,966,000	1,660,000	2,370,000	695,000	400,000	850,000	350,000
Water	1,167,500	2,235,000	685,000	1,792,000	790,000	1,550,000	50,000
<b>Totals</b>	<b>33,566,300</b>	<b>22,144,200</b>	<b>14,928,200</b>	<b>17,773,200</b>	<b>12,911,200</b>	<b>18,550,500</b>	<b>10,689,500</b>

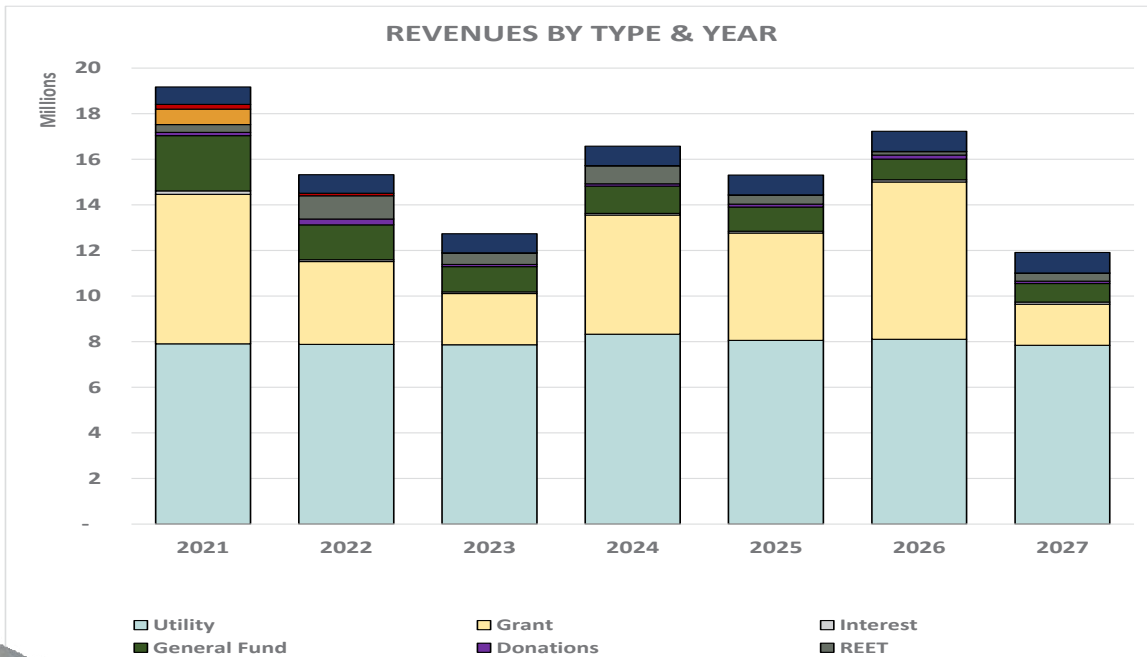


# FUNDING SOURCES BY TYPE

Revenues	2021	2022	2023	2024	2025	2026	2027
CSO (incl debt)	2,362,200	2,306,500	2,306,500	2,305,900	2,306,300	2,307,500	2,308,800
Electric	878,800	800,000	800,000	800,000	800,000	800,000	800,000
Equipment Services	897,200	1,035,600	1,140,500	1,257,500	1,379,000	1,387,000	1,261,400
General Government	1,991,600	5,631,800	496,200	1,132,000	456,000	419,000	419,000
Information Technologies	2,035,000	600,000	180,100	380,100	180,100	-	210,000
Medic 1	49,600	49,600	50,500	50,500	50,500	50,500	50,600
Solid Waste (incl debt)	1,555,500	1,848,300	1,455,000	1,460,200	1,465,600	1,471,000	1,476,500
Stormwater	425,000	434,000	443,000	452,000	971,300	470,000	479,000
Transportation	7,659,800	2,519,200	4,132,700	6,885,500	5,719,000	8,216,300	3,183,900
Wastewater	900,000	950,000	1,000,000	1,050,000	1,100,000	1,150,000	1,050,000
Water	650,000	725,000	800,000	875,000	950,000	1,025,000	750,000
<b>Totals</b>	<b>19,404,700</b>	<b>16,900,000</b>	<b>12,804,500</b>	<b>16,648,700</b>	<b>15,377,800</b>	<b>17,296,300</b>	<b>11,989,200</b>

Revenue by Type	2021	2022	2023	2024	2025	2026	2027
Utility	7,909,800	7,882,700	7,869,400	8,327,600	8,055,800	8,105,500	7,840,000
Grant	6,555,400	3,630,300	2,247,500	5,225,500	4,710,300	6,900,000	1,800,000
General Fund	2,423,600	1,530,700	1,105,400	1,201,000	1,066,200	907,200	816,200
Donations	140,000	250,000	100,000	100,000	120,000	180,000	100,000
Interest	150,400	84,000	67,600	71,700	77,400	94,000	99,100
REET	345,000	1,025,000	500,000	788,500	400,000	150,000	350,000
IT from Reserves	675,000	-	-	-	-	-	-
Internal service funds	12,600	5,800	6,800	10,000	6,800	1,000	7,700
Pencom	200,300	1,550,000	50,000	50,000	50,000	50,000	50,000
Range User Fees	16,300	16,300	16,300	16,300	16,300	16,300	16,300
Lodging Tax	211,000	111,000	11,000	11,000	11,000	11,000	11,000
Transportation Tax	765,300	814,200	830,500	847,100	864,000	881,300	898,900
<b>Totals</b>	<b>19,404,700</b>	<b>16,900,000</b>	<b>12,804,500</b>	<b>16,648,700</b>	<b>15,377,800</b>	<b>17,296,300</b>	<b>11,989,200</b>

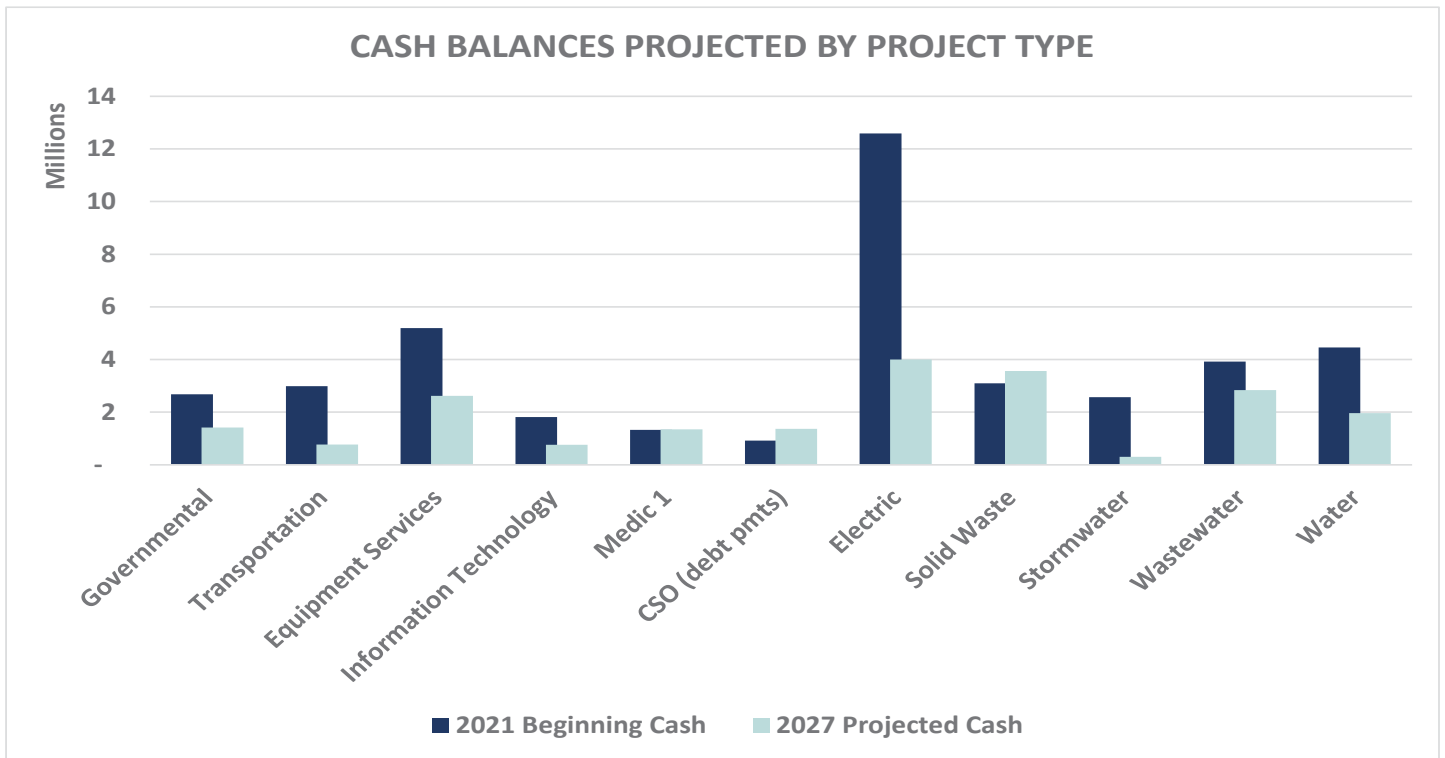
Note: General Fund amounts include allocated funds reported in the operating Internal Service Funds as revenues for both Information Technologies and Equipment Services.



Capital Fund	2021 Beginning Cash	2027 Projected Cash	2027 Projected Depreciation	Cash Ratio to Depreciation
Governmental	2,675,150	1,419,250	1,452,463	1.0
Transportation	2,984,458	773,958	2,317,497	0.3
Equipment Services	5,192,107	2,621,621	943,584	2.8
Information Technology	1,815,957	758,357	613,570	1.2
Medic 1	1,332,899	1,348,499	61,100	22.1
CSO (debt pmts)	918,257	1,366,557	NA	NA
Electric	12,585,718	4,003,818	1,585,188	2.5
Solid Waste	3,093,654	3,559,854	427,962	8.3
Stormwater	2,571,973	309,473	229,986	1.3
Wastewater	3,927,128	2,836,128	1,973,306	1.4
Water	4,460,403	1,965,903	1,900,469	1.0
<b>Total Cash</b>	<b>41,557,704</b>	<b>20,963,418</b>	<b>11,505,125</b>	<b>1.8</b>

Council has directed staff to obtain a 1:1 depreciation to cash ratio for all Utility funds. Internal Service funds and Governmental funds may 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 2021	2022	2023	2024	2025	2026	2027	
<b>GENERAL GOVERNMENT/FACILITIES</b>														
GG0303	NICE Program	R	Revolving	Excellent	787,100	262,100	75,000	75,000	75,000	75,000	75,000	75,000	75,000	-
GG1113	Facility Security Projects	A	Active	Fair	256,000	49,900	134,400	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	-	-	-	-	-	-	-
GG0119	Ennis Creek Fish Barrier Removal	6	Pre-planning	Poor	1,200,000	-	-	199,700	-	-	-	-	-	1,000,300
GG0121	Broadband Improvement Feasibility Study	UF	Unfunded	Poor	50,000	-	-	50,000	-	-	-	-	-	unknown
GG0916	Valley Creek Restoration Phase III	UF	Unfunded	Poor	2,110,900	-	-	-	-	-	-	-	-	2,110,900
<b>PUBLIC SAFETY</b>														
FD0415	Fire Department Turn-Out Gear	R	Revolving	Good	160,300	160,300	-	-	-	-	-	-	-	-
FD0615	Fire Hoses	R	Revolving	Good	47,400	7,400	10,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
FD0218	Self Contained Breathing Apparatus	R	Revolving	Good	250,000	-	-	-	-	-	-	250,000	-	-
CAPP	Pencom Capital	R	Revolving	Good	710,400	251,500	158,900	50,000	50,000	50,000	50,000	50,000	50,000	50,000
PD0307	Police Regional Training & Gun Range Facility	R	Revolving	Poor	232,000	39,400	32,000	32,000	32,000	32,000	32,000	32,000	16,300	16,300
PD0116	Mobile Data Terminal Replacements	R	Revolving	Good	230,400	110,100	24,300	16,000	16,000	16,000	16,000	16,000	16,000	16,000
PD0120	Police Taser Replacements	A	Active	Fair	130,600	13,100	27,200	13,100	27,200	13,000	37,000	-	-	-
PD0119	Computer Aided Dispatch/Law Enforcement Records Management System	A	Active	Good	301,400	261,400	40,000	-	-	-	-	-	-	-
FD0315	Fire Station Garage Door Replacement	1	Planning	Good	50,000	-	50,000	-	-	-	-	-	-	-
FD0318	Emergency Management Pods	2	Planning	Good	150,000	-	100,000	-	50,000	-	-	-	-	-
PD0121	EOC/911 Dispatch (Pencom center)	5	Pre-Planning	Poor	4,000,000	-	-	4,000,000	-	-	-	-	-	-
FD0121	West Side Fire Station	UF	Unfunded	Poor	3,000,000	-	-	-	-	-	-	-	-	3,000,000
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 (1 & 10th Streets)	UF	Unfunded	Poor	15,000	-	-	-	-	-	-	-	-	15,000
<b>PARKS AND RECREATION</b>														
PK0216	Facility Improvement Revolving Fund	R	Revolving	Good	121,500	16,500	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
PK0205	Restroom Replacement Program	R	Revolving	Poor	1,350,000	-	450,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000
PK0418	Civic Field Upgrades	R	Revolving	Poor	112,500	112,500	-	-	-	-	-	-	-	-
PK0819	City Pier Railing Replacement	A	Active	Poor	565,000	2,800	362,200	200,000	-	-	-	-	-	-
PK0120	24 Hour Restroom Pilot Project	A	Active	Fair	200,000	-	200,000	-	-	-	-	-	-	-
PK0220	Synthetic Field Turf at Volunteer Field	A	Active	Good	1,200,000	-	-	500,000	-	700,000	-	-	-	-
PK0219	Generation II Dream Playground	A	Active	Poor	475,000	128,100	346,900	-	-	-	-	-	-	-
PK0719	Parks Maintenance Building	A	Active	Poor	706,500	174,400	250,000	282,100	-	-	-	-	-	-
PK0919	Fine Arts Center Capital Improvements	A	Active	Good	83,700	43,500	40,200	-	-	-	-	-	-	-
PK0119	Erickson Playfield Pump Track	A	Active	Good	650,000	-	650,000	-	-	-	-	-	-	-
PK0519	City Pier Erosion Stabilization & Sidewalk Repair (Peabody Creek)	A	Active	Poor	290,000	-	290,000	-	-	-	-	-	-	-
PK0316	Locomotive #4 Refurbishment	UF	Unfunded	Poor	250,000	-	-	-	-	-	-	-	-	250,000
PK0319	City Pier Inspection Repairs	UF	Unfunded	Fair	900,000	-	-	-	-	-	-	-	-	900,000
PK0320	HVAC Upgrades at City Hall & Sr Center	UF	Unfunded	Fair	1,750,000	-	-	-	-	-	-	-	-	1,750,000
PK0406	Shane & Elks Field Lighting	UF	Unfunded	Poor	1,000,000	-	-	-	-	-	-	-	-	1,000,000
PK0420	Ediz Hook Boat Launch Repairs	UF	Unfunded	Poor	275,000	-	-	-	-	-	-	-	-	275,000
PK0802	Neighborhood Park Development	UF	Unfunded	Poor	250,000	-	-	-	-	-	-	-	-	250,000
<b>TOTALS</b>					<b>24,290,700</b>	<b>1,633,000</b>	<b>3,381,100</b>	<b>5,659,600</b>	<b>420,200</b>	<b>1,056,000</b>	<b>380,000</b>	<b>577,300</b>	<b>327,300</b>	<b>10,856,200</b>

MEDIC 1 PROJECTS								CAPITAL FACILITIES PLAN						UNFUNDED
Number	Title	PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2021	2022	2023	2024	2025	2026	2027	
<b>MEDIC 1</b>														
CAPM1	Medic 1 Revolving	R	Revolving	Good	353,900	170,700	-	-	-	-	-	183,200	-	-
FD0118	Defibrillator Revolving Account	R	Revolving	Good	221,000	68,000	36,000	37,000	-	-	40,000	40,000	-	-
<b>TOTALS</b>					<b>574,900</b>	<b>238,700</b>	<b>36,000</b>	<b>37,000</b>	<b>-</b>	<b>-</b>	<b>40,000</b>	<b>223,200</b>	<b>-</b>	<b>-</b>

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded



ELECTRIC PROJECTS							CAPITAL FACILITIES PLAN							UNFUNDED
Number	Title	PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2021	2022	2023	2024	2025	2026	2027	
<b>ELECTRIC</b>														
CLCAP	Maintenance Capital Contribution	R	Revolving	Fair	1,102,000	52,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	
CL0414	Construct New Light Ops Building	A	Active	Fair	6,399,900	429,100	5,970,800	-	-	-	-	-	-	-
CL0916	Replace Laurel Street Substation Switchgear	A	Active	Excellent	500,000	-	500,000	-	-	-	-	-	-	-
CL0220	Laurel Street LTC Load Tap Changer Replacement	A	Active	Poor	200,000	-	200,000	-	-	-	-	-	-	-
CL0716	F Street Substation Switchgear	A	Active	Poor	500,000	-	500,000	-	-	-	-	-	-	-
CL0320	F Street LTC Load Tap Changer Replacement	A	Active	Fair	200,000	-	200,000	-	-	-	-	-	-	-
CL0119	Overhead Reconductoring - 2020	A	Active	Poor	250,000	8,100	241,900	-	-	-	-	-	-	-
CL0419	Underground Cable Replacement - 2021	A	Active	fair	250,000	-	250,000	-	-	-	-	-	-	-
CL0620	Electric Vehicle Charging Station	A	Active	Fair	48,000	-	48,000	-	-	-	-	-	-	-
CL0217	I Street Substation Switchgear Replacement	1	Planning	Poor	500,000	-	-	500,000	-	-	-	-	-	-
CL0420	College Street LTC Load Tap Changer Replacement	2	Planning	Fair	200,000	-	-	200,000	-	-	-	-	-	-
CL0919	"A" Street Substation Switchgear Replacement	3	Planning	Fair	500,000	-	-	500,000	-	-	-	-	-	-
CL0519	Underground Cable Replacement - 2022	4	Planning	fair	250,000	-	-	250,000	-	-	-	-	-	-
CL0216	City/PUD Service Area Capital Needs	5	Pre-Planning	Good	400,000	-	-	200,000	200,000	-	-	-	-	-
CL0117	Washington Street Substation Switchgear	6	Pre-Planning	Fair	500,000	-	-	-	500,000	-	-	-	-	-
CL0819	Overhead Reconductoring - 2023	7	Pre-Planning	Fair	250,000	-	-	-	250,000	-	-	-	-	-
CL0619	Underground Cable Replacement - 2023	8	Pre-Planning	fair	250,000	-	-	-	250,000	-	-	-	-	-
CL0719	Underground Cable Replacement - 2024	9	Pre-Planning	Fair	250,000	-	-	-	-	250,000	-	-	-	-
CL1019	Underground Cable Replacement - 2025	10	Pre-Planning	Fair	250,000	-	-	-	-	-	250,000	-	-	-
CL0221	Underground Cable Replacement - 2026	11	Pre-Planning	Fair	250,000	-	-	-	-	-	-	250,000	-	-
CL0120	F Street Transformer Replacement	12	Pre-Planning	Fair	1,200,000	-	-	-	-	-	-	-	1,200,000	-
CL0121	Overhead Reconductoring - 2027	13	Pre-Planning	Fair	250,000	-	-	-	-	-	-	-	-	250,000
CL0321	Underground Cable Replacement - 2027	14	Pre-Planning	Fair	250,000	-	-	-	-	-	-	-	-	250,000
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>16,099,900</b>	<b>489,200</b>	<b>8,060,700</b>	<b>1,800,000</b>	<b>1,350,000</b>	<b>400,000</b>	<b>400,000</b>	<b>1,600,000</b>	<b>650,000</b>	<b>1,350,000</b>

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded



WATER PROJECTS							CAPITAL FACILITIES PLAN							UNFUNDED
Number	Title	PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2021	2022	2023	2024	2025	2026	2027	
<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	-
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	800,000	6,500	28,500	765,000	-	-	-	-	-	-
WT0218	Reservoir Instrumentation Repairs	1	Planning	Poor	246,100	2,100	44,000	200,000	-	-	-	-	-	-
WT0619	Peabody Reservoir Inlet Pipe Replacement	2	Planning	Fair	340,000	-	40,000	300,000	-	-	-	-	-	-
WT0321	Facility Assessment (NEW)	3	Planning	Fair	8,000	-	8,000	-	-	-	-	-	-	-
WT0221	Race Street Water Main Replacement South (NEW)	4	Planning	Fair	637,000	-	637,000	-	-	-	-	-	-	-
WT0121	White Creek & 3rd St Crossing Main (NEW)	5	Planning	Poor	400,000	-	-	400,000	-	-	-	-	-	-
WT0421	Race Street Water Main Replacement North (NEW)	6	Planning	Fair	125,000	-	125,000	-	-	-	-	-	-	-
WT0519	Water Treatment Plant Repairs	7	Planning	Fair	180,000	-	60,000	120,000	-	-	-	-	-	-
WT0319	Ground Water Resiliency Program	8	Planning	Fair	1,275,000	-	-	200,000	275,000	600,000	200,000	-	-	-
WT0420	Ennis Creek Water Main Relocate	9	Pre-Planning	Good	200,000	-	-	200,000	-	-	-	-	-	-
WT0111	Liberty Street Water Main	10	Design	Good	485,700	15,700	-	-	-	470,000	-	-	-	-
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	-	-	-
WT0612	3rd & Vine Street Main	13	Planning	Fair	360,000	-	-	-	360,000	-	-	-	-	-
WT0219	Peabody Heights Floating Cover Replacement	14	Planning	Fair	400,000	-	-	-	-	200,000	200,000	-	-	-
WT0412	West 4th Street Water Main	15	Planning	Good	1,500,000	-	-	-	-	-	-	1,500,000	-	-
WT0320	Morse Creek Transmission Main Eval/Design	UF	Unfunded	Poor	400,000	-	-	-	-	-	-	-	-	400,000
WT0120	Water System SCADA Upgrade (Accomplished W/Service TSI)	UF	Unfunded	Poor	650,000	-	-	-	-	-	-	-	-	650,000
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>29,036,600</b>	<b>140,600</b>	<b>1,167,500</b>	<b>2,235,000</b>	<b>685,000</b>	<b>1,792,000</b>	<b>790,000</b>	<b>1,550,000</b>	<b>50,000</b>	<b>20,626,500</b>

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded



WASTEWATER PROJECTS								CAPITAL FACILITIES PLAN						UNFUNDED
Number	Title	PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2021	2022	2023	2024	2025	2026	2027	
<b>WASTEWATER</b>														
CAPWW	General Wastewater Equipment	R	Revolving	Excellent	709,400	288,900	120,500	50,000	50,000	50,000	50,000	50,000	50,000	
WW0308	Pump Station #3 Replacement	A	Active	Fair	1,479,600	982,100	497,500	-	-	-	-	-	-	-
WW0319	Wastewater Comprehensive Plan	A	Active	Poor	300,000	-	300,000	-	-	-	-	-	-	-
WW0618	2019 Neighborhood Sewer Rehab	A	Active	Poor	300,000	13,500	286,500	-	-	-	-	-	-	-
WW0718	2020 Neighborhood Sewer Rehabilitation	A	Active	Poor	300,000	-	300,000	-	-	-	-	-	-	-
WW0818	2021 Neighborhood Sewer Rehabilitation	A	Active	Poor	300,000	-	300,000	-	-	-	-	-	-	-
WW0519	Decant Facility at Transfer Station - Wastewater Soils Decant Bays	A	Active	Fair	600,000	6,500	28,500	565,000	-	-	-	-	-	-
WW0220	West 4th Street Capacity Improvement	1	Planning	Good	500,000	-	75,000	425,000	-	-	-	-	-	-
WW0120	Pump Station 3 Force Main Replacement	2	Planning	Good	2,250,000	-	-	250,000	2,000,000	-	-	-	-	-
WW0420	WWTP Potable Water Air-Gap	3	Planning	Fair	150,000	-	50,000	100,000	-	-	-	-	-	-
WW0320	WWTP Septic Truck Pad Repair	4	Planning	Poor	120,000	-	-	20,000	100,000	-	-	-	-	-
WW0121	Facility Assessment	5	Planning	Fair	8,000	-	8,000	-	-	-	-	-	-	-
WW0520	Sanitary Force Main Relocate (Lees Creek)	6	Pre-Planning	Fair	200,000	-	-	200,000	-	-	-	-	-	-
WW0508	Digester Mixing Improvement WWTP	7	Planning	Excellent	600,000	-	-	50,000	150,000	400,000	-	-	-	-
WW0516	WWTP Boiler Replacement	8	Planning	Fair	115,000	-	-	-	45,000	70,000	-	-	-	-
WW0419	WWTP HVAC Replacement	9	Planning	Poor	200,000	-	-	-	25,000	175,000	-	-	-	-
WW0715	Oak Street Sewer Separation	10	Planning	Fair	275,000	-	-	-	-	-	25,000	250,000	-	-
WW0815	Laurel Street Sewer Separation	11	Planning	Fair	275,000	-	-	-	-	-	25,000	250,000	-	-
WW0918	2025 Neighborhood Sewer Rehabilitation	12	Planning	Poor	300,000	-	-	-	-	-	300,000	-	-	-
WW1018	2026 Neighborhood Sewer Rehabilitation	13	Planning	Poor	300,000	-	-	-	-	-	-	300,000	-	-
WW1118	2027 Neighborhood Sewer Rehabilitation	14	Planning	Poor	300,000	-	-	-	-	-	-	-	300,000	-
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
WW0221	Pump Station #17 Improvements	UF	Unfunded	Poor	-	-	-	-	-	-	-	-	-	Unknown
<b>TOTALS</b>					<b>16,582,000</b>	<b>1,291,000</b>	<b>1,966,000</b>	<b>1,660,000</b>	<b>2,370,000</b>	<b>695,000</b>	<b>400,000</b>	<b>850,000</b>	<b>350,000</b>	<b>7,000,000</b>

CSO PROJECTS								CAPITAL FACILITIES PLAN						UNFUNDED
Number	Title	PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2021	2022	2023	2024	2025	2026	2027	
<b>COMBINED SEWER OVERFLOW</b>														
WW0117	Francis Street Pigging Bypass	1	Pre-planning	Good	190,000	-	190,000	-	-	-	-	-	-	-
WW0316	CSO 6 and 7 Reconstruction	2	Pre-planning	Good	208,400	43,400	-	15,000	150,000	-	-	-	-	-
<b>TOTALS</b>					<b>398,400</b>	<b>43,400</b>	<b>190,000</b>	<b>15,000</b>	<b>150,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

SOLID WASTE PROJECTS								CAPITAL FACILITIES PLAN						UNFUNDED
Number	Title	PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2021	2022	2023	2024	2025	2026	2027	
<b>SOLID WASTE</b>														
SW0112	Decant Facility at Transfer Station	A	Active	Fair	966,900	31,600	154,500	780,800	-	-	-	-	-	-
SW0117	Landfill Operating Software	A	Active	Poor	200,000	-	200,000	-	-	-	-	-	-	-
SW0120	Landfill Pump Station 17 Repair	1	Planning	Fair	250,000	-	75,000	175,000	-	-	-	-	-	-
SW0121	Landfill Access Road Repair	2	Planning	Poor	515,000	-	60,000	455,000	-	-	-	-	-	-
SW0221	Facility Assessment	3	Planning	Fair	8,000	-	8,000	-	-	-	-	-	-	-
SW0321	Landfill Access Road Repair - Phase 2	UF	Unfunded	Poor	-	-	-	-	-	-	-	-	-	Unknown
SW0218	Landfill Security Fencing	UF	Unfunded	Poor	200,000	-	-	-	-	-	-	-	-	200,000
<b>TOTALS</b>					<b>2,139,900</b>	<b>31,600</b>	<b>497,500</b>	<b>1,410,800</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



							CAPITAL FACILITIES PLAN							
STORMWATER PROJECTS		PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2021	2022	2023	2024	2025	2026	2027	UNFUNDED
Number	Title													
<b>STORMWATER</b>														
DR0213	H Street Stormwater Outfall	A	Design	Poor	645,500	4,500	80,000	-	561,000	-	-	-	-	-
DR0120	Decant Facility at Transfer Station - Stormwater Soils Decant Bays	A	Design	Fair	1,000,000	6,500	28,500	965,000	-	-	-	-	-	-
DR0119	N Street Outfall Improvement	A	Planning	Poor	362,500	-	362,500	-	-	-	-	-	-	-
DR0804	Lincoln Park/Big Boy Pond Study	1	Planning	Fair	112,200	-	112,200	-	-	-	-	-	-	-
DR0121	Facility Assessment	2	Planning	Fair	8,000	-	8,000	-	-	-	-	-	-	-
DR0404	Stormwater at Canyon Edge & Ahlvers	3	Planning	Fair	3,631,200	-	-	-	265,200	1,326,000	-	-	-	2,040,000
DR0115	Liberty Street Stormwater Improvement	4	Planning	Fair	2,570,400	-	-	-	-	-	-	224,400	1,122,000	1,224,000
DR0117	Peabody Street Water Quality Project	5	Planning	Fair	665,000	-	-	-	-	22,000	643,000	-	-	-
DR0219	Outfall to Creek Improvement Program	6	Planning	Fair	150,000	-	-	-	-	-	-	42,000	108,000	-
DR0215	Francis Street Outfall Repair	7	Planning	Fair	67,000	-	-	-	-	-	-	26,000	41,000	-
DR0304	Stormwater at Laurel Street & US 101	UF	Planning	Fair	674,000	-	-	-	-	-	-	-	-	674,000
DR0112	Valley Creek Culvert & Outfall	UF	Unfunded	Poor	929,000	-	-	-	-	-	-	-	-	929,000
<b>TOTALS</b>					<b>10,814,800</b>	<b>11,000</b>	<b>591,200</b>	<b>965,000</b>	<b>826,200</b>	<b>1,348,000</b>	<b>643,000</b>	<b>292,400</b>	<b>1,271,000</b>	<b>4,867,000</b>

				CAPITAL FACILITIES PLAN						
DEPARTMENT	TOTAL PROJECT	10 Year	BUDGET 2021	2022	2023	2024	2025	2026	2027	
<b>EQUIPMENT SERVICES</b>										
Finance	127,300	12,700	-	39,900	-	41,500	-	-	-	
Community Development	89,100	8,900	-	-	-	-	-	-	44,100	
Police	1,918,200	191,800	345,500	157,500	160,600	163,800	167,100	170,400	170,400	
Fire & Medic 1	7,128,200	712,800	47,200	42,700	830,000	192,500	-	-	-	
Parks & Recreation	1,905,100	190,500	102,100	29,300	60,600	41,500	105,400	169,300	303,200	
Engineering	127,800	12,800	-	-	-	83,200	44,600	-	-	
Light Operations	2,804,200	280,400	323,600	31,500	131,800	54,700	116,900	28,400	75,400	
Water	1,746,200	174,600	269,500	-	134,100	41,600	-	251,400	408,300	
Wastewater	1,635,300	163,500	-	68,300	40,700	-	42,400	12,600	44,100	
Solid Waste	2,489,800	249,000	408,300	421,400	-	379,500	23,300	701,500	-	
Stormwater	857,500	85,800	-	236,300	-	-	245,700	73,900	301,600	
Conservation	45,500	4,600	-	-	-	-	-	45,500	-	
Equipment Services	1,056,900	105,700	64,700	271,500	-	85,200	473,900	-	-	
Information Technology	43,500	4,400	-	-	-	-	-	-	-	
Streets	2,723,800	272,400	1,042,400	35,800	26,800	268,100	172,700	177,300	108,200	
<b>TOTALS</b>		<b>24,698,400</b>	<b>2,469,840</b>	<b>2,603,300</b>	<b>1,334,200</b>	<b>1,384,600</b>	<b>1,351,600</b>	<b>1,392,000</b>	<b>1,630,300</b>	<b>1,455,300</b>

							CAPITAL FACILITIES PLAN							
	PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2021	2022	2023	2024	2025	2026	2027	UNFUNDED	
<b>INFORMATION SERVICES</b>														
IT0714	R	Revolving	Poor	420,000	-	210,000	-	-	-	-	-	-	210,000	
IT0514	R	Revolving	Poor	165,000	15,000	-	150,000	-	-	-	-	-	-	
IT0319	R	Revolving	Poor	280,000	-	-	-	-	280,000	-	-	-	-	
IT0918	A	Active	Poor	221,000	211,100	9,900	-	-	-	-	-	-	-	
IT0816	A	Active	Poor	10,000	-	10,000	-	-	-	-	-	-	-	
IT0214	A	Active	Poor	104,100	14,100	30,000	-	30,000	-	30,000	-	-	-	
IT0416	A	Active	Poor	30,000	-	30,000	-	-	-	-	-	-	-	
IT0119	A	Active	Poor	60,000	24,000	36,000	-	-	-	-	-	-	-	
IT0716	1	Planning	Poor	2,281,000	-	1,756,000	525,000	-	-	-	-	-	-	
IT0219	2	Planning	Poor	21,000	-	21,000	-	-	-	-	-	-	-	
IT1018	3	Planning	Poor	60,000	-	60,000	-	-	-	-	-	-	-	
IT0617	4	Planning	Poor	30,000	-	30,000	-	-	-	-	-	-	-	
IT0618	5	Planning	Poor	450,000	-	150,000	-	150,000	-	150,000	-	-	-	
IT0320	6	Planning	Poor	100,000	-	-	100,000	-	-	-	-	-	-	
IT0120	UF	Pre-Planning	Poor	100,000	-	-	-	-	-	-	-	-	100,000	
IT0216	UF	Unfunded	Poor	125,000	-	-	-	-	-	-	-	-	125,000	
IT0220	UF	Unfunded	Poor	25,000	-	-	-	-	-	-	-	-	25,000	
<b>TOTALS</b>				<b>4,482,100</b>	<b>264,200</b>	<b>2,342,900</b>	<b>775,000</b>	<b>180,000</b>	<b>280,000</b>	<b>180,000</b>	<b>-</b>	<b>210,000</b>	<b>250,000</b>	

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded



								CAPITAL FACILITIES PLAN						
TRANSPORTATION PROJECTS		PRIORITY	PROJECT STATUS	CONDITION	PROJECT TOTAL	PRIOR YEARS	BUDGET 2021	2022	2023	2024	2025	2026	2027	UNFUNDED
Number	Title													
<b>TRANSPORTATION BENEFIT DISTRICT PROJECTS</b>														
TR1118	Revolving Street Improvements	R	Revolving	Poor	254,500	14,500	60,000	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	89,800	357,200	-	-	3,000,000	-	-	-	-
TR0218	Lincoln Street Safety	A	Active	Fair	2,020,000	126,000	1,894,000	-	-	-	-	-	-	-
TR0615	Golf Course Road Chip Seal (1st St to City limits)	A	Active	Poor	400,000	-	400,000	-	-	-	-	-	-	-
TR0320	2021 Pavement Preservation	A	Active	Fair	400,000	-	400,000	-	-	-	-	-	-	-
TR0121	Pavement Management Plan	1	Planning	Fair	200,000	-	200,000	-	-	-	-	-	-	-
TR0616	ADA - Francis Street	2	Design	Poor	315,000	-	315,000	-	-	-	-	-	-	-
TR0115	N Street Chip Seal (5th to 18th Streets)	3	Planning	Fair	400,000	-	-	400,000	-	-	-	-	-	-
TR0518	I Street Chip Seal (5th to 16th Streets)	4	Planning	Poor	350,000	-	-	350,000	-	-	-	-	-	-
TR0316	8th Street Chip Seal (A to I Streets)	5	Planning	Fair	400,000	-	-	400,000	-	-	-	-	-	-
TR0618	Stevens Middle School Walking Routes	7	Planning	Fair	815,000	-	-	15,000	100,000	700,000	-	-	-	-
TR1799	Truck Route at Hwy 101 Intersection	8	Pre-Planning	Fair	7,200,000	-	-	-	100,000	600,000	-	-	6,500,000	-
TR0420	2023 Pavement Preservation	9	Planning	Fair	400,000	-	-	-	400,000	-	-	-	-	-
TR0716	ADA - Peabody Street	10	Planning	Poor	320,000	-	-	-	20,000	300,000	-	-	-	-
TR0119	8th Street Paving (Lincoln to A Streets)	11	Planning	Fair	1,130,000	-	-	-	30,000	-	1,100,000	-	-	-
TR0221	Marine Dr Paving (Valley to Hill Street)	12	Planning	Fair	1,600,000	-	-	-	-	100,000	1,500,000	-	-	-
TR0117	Liberty Street Reconstruction	13	Planning	Poor	510,000	-	-	-	10,000	500,000	-	-	-	-
TR0417	Ennis Street Pavement Repair	14	Planning	Fair	100,000	-	-	-	-	100,000	-	-	-	-
TR1416	Hamilton School Walking Routes	15	Planning	Poor	1,515,000	15,000	-	-	-	200,000	1,300,000	-	-	-
TR0915	Park Avenue Paving Overlay (Race to Liberty Streets)	16	Planning	Fair	520,000	-	-	-	-	-	20,000	500,000	-	-
TR0520	2024 Pavement Preservation	17	Planning	Fair	400,000	-	-	-	-	400,000	-	-	-	-
TR0620	2026 Pavement Preservation	18	Planning	Fair	400,000	-	-	-	-	-	-	400,000	-	-
TR0419	Lauridsen Blvd Reconstruction (L St to City Limits)	19	Pre-Planning	Poor	1,000,000	-	-	-	-	-	-	100,000	900,000	-
TR0720	18th Street Chip Seal	20	Planning	Fair	300,000	-	-	-	-	-	-	-	300,000	-
TR0818	Railroad Ave Overlay	21	Planning	Poor	300,000	-	-	-	-	-	-	-	50,000	250,000
TR0219	5th Street Chip Seal (A to M Streets)	22	Planning	Fair	350,000	-	-	-	-	-	-	-	350,000	-
TR0499	Laurel St/Ahivers Road Overlay	UF	Unfunded	Poor	850,000	-	-	-	-	-	-	-	-	850,000
TR0816	ADA - Cherry Street	UF	Unfunded	Poor	340,000	-	-	-	-	-	-	-	-	340,000
TR1015	Cherry Street Area Chip Seal	UF	Unfunded	Poor	750,000	-	-	-	-	-	-	-	-	750,000
TR0916	ADA - Oak & Laurel Streets	UF	Unfunded	Poor	300,000	-	-	-	-	-	-	-	-	300,000
TR1899	Lincoln, Laurel and Lauridsen Intersection	UF	Unfunded	Poor	1,800,000	-	-	-	-	-	-	-	-	1,800,000
TR0104	2nd & Valley Streets Pavement	UF	Unfunded	Poor	550,000	-	-	-	-	-	-	-	-	550,000
TR0308	O Street Improvements	UF	Unfunded	Poor	1,500,000	-	-	-	-	-	-	-	-	1,500,000
TR0599	Hill Street Intersection Reconstruction	UF	Unfunded	Poor	485,000	-	-	-	-	-	-	-	-	485,000
TR0317	Chase Street Vicinity Chip Seal	UF	Unfunded	Poor	320,000	-	-	-	-	-	-	-	-	320,000
<b>TRANSPORTATION PROJECTS</b>														
TR0405	Alley Paving Revolving Funding	R	Revolving	Poor	1,120,100	100	450,000	10,000	250,000	-	10,000	400,000	-	-
TR1120	Complete Streets Revolving Fund	R	Revolving	Poor	500,000	-	-	-	200,000	-	200,000	100,000	-	-
TR0621	Waterfront Trail Repairs	R	Revolving	Poor	593,000	93,800	109,200	100,000	100,000	100,000	30,000	30,000	30,000	3,714,000
TR0114	Hill Street - Olympic Discovery Trail	A	Active	Fair	3,941,600	220,100	7,500	-	-	-	-	-	-	-
TR0209	Race Street Complete Design & Construction Phase I	A	Active	Fair	5,262,400	516,800	4,745,600	-	-	-	-	-	-	-
TR0918	Downtown Tree/Sidewalk Replacement Phase III	1	Planning	Poor	300,000	-	-	300,000	-	-	-	-	-	-
TR0101	Laurel Street Stairs Replacement	2	Design	Poor	535,000	300	34,700	500,000	-	-	-	-	-	-
TR0120	Signal Controller Upgrades 1st/Front	3	Planning	Fair	1,585,000	-	-	225,000	1,360,000	-	-	-	-	-
TR1399	Traffic Signal Interconnect/Preemption	4	Planning	Fair	660,000	-	-	60,000	300,000	300,000	-	-	-	-
TR1215	City Hall East Parking Lot LID	5	Planning	Fair	751,900	30,200	71,700	-	650,000	-	-	-	-	-
TR0715	16th Street LID (C to L Streets)	6	Planning	Fair	1,121,000	200	166,800	-	-	954,000	-	-	-	-
TR1020	N Street Solar Speed Display	7	Planning	Poor	30,000	-	-	30,000	-	-	-	-	-	-
TR0920	Lauridsen Blvd Flashing Beacons	8	Planning	Fair	40,000	-	-	-	40,000	-	-	-	-	-
TR0416	1St/2nd/Valley/Oak Green Alley	9	Planning	Poor	472,200	22,200	-	-	450,000	-	-	-	-	-
TR0919	Traffic Safety Camera Program	10	Planning	Fair	35,000	-	-	35,000	-	-	-	-	-	-
TR0909	Wayfinding & ODT Signage	11	Active	Poor	312,000	13,800	-	298,200	-	-	-	-	-	-
TR1116	School Area Speed Signs (Near Franklin)	12	Planning	Fair	50,000	-	-	-	-	50,000	-	-	-	-
TR0321	Speed Feedback Sign Program	13	Planning	Fair	90,000	-	-	-	30,000	-	30,000	-	30,000	-
TR0220	Traffic Circle Program	14	Planning	Fair	1,180,000	-	-	-	-	80,000	1,100,000	-	-	-
TR0318	8th/10th Street Bike Lanes	15	Planning	Fair	400,000	-	-	-	-	-	20,000	380,000	-	-
TR0421	Valley Street Culvert Crossing	16	Pre-Planning	Fair	1,550,000	-	-	-	-	-	50,000	100,000	1,400,000	-
TR0821	Facility Assessment	17	Planning	Fair	8,000	-	8,000	-	-	-	-	-	-	-
TR1109	Marine Drive Bulkhead Repairs	18	Pre-Planning	Fair	3,000,000	-	-	-	50,000	-	-	-	-	2,950,000
TR0113	Waterfront Redevelopment Phase III	UF	Unfunded	Fair	20,000,000	-	-	-	-	-	-	-	-	20,000,000
TR1016	18th Street Bike Accessibility	UF	Unfunded	Poor	800,000	-	-	-	-	-	-	-	-	800,000
TR0212	Caroline Street Slide Repair	UF	Unfunded	Poor	375,000	-	-	-	-	-	-	-	-	375,000
TR1009	1st, Front & Race Street Nodes	UF	Unfunded	Poor	423,000	-	-	-	-	-	-	-	-	423,000
TR0516	Nancy Lane Pavement	UF	Unfunded	Poor	200,000	-	-	-	-	-	-	-	-	200,000
TR0506	Valley Creek Trail Loop	UF	Unfunded	Poor	100,000	-	-	-	-	-	-	-	-	100,000
TR0208	Alternate Cross-Town Route Study	UF	Unfunded	Poor	220,000	-	-	-	-	-	-	-	-	220,000
TR1316	Traffic Control	UF	Unfunded	Poor	300,000	-	-	-	-	-	-	-	-	300,000
TR1018	Zig Zag at Oak Street	UF	Unfunded	Poor	500,000	-	-	-	-	-	-	-	-	500,000
TR0619	Race Street Complete Construction Phase II	UF	Unfunded	Fair	6,000,000	-	-	-	-	-	-	-	-	6,000,000
TR0719	First & Front Street Decoupling	UF	Unfunded	Fair	-	-	-	-	-	-	-	-	-	Unknown
TR0819	Sidewalks for Mt Angeles Rd & Porter St	UF	Unfunded	Poor	1,000,000	-	-	-	-	-	-	-	-	1,000,000
TR0521	I to M Paving and Sidewalk Local Improvement District	UF	Unfunded	Poor	2,000,000	-	-	-	-	-	-	-	-	2,000,000
TR0721	Gales Addition Connector Planning	UF	Unfunded	Poor	-	-	-	-	-	-	-	-	-	Unknown
<b>TOTALS</b>					<b>87,396,700</b>	<b>1,142,800</b>	<b>9,219,700</b>	<b>2,753,200</b>	<b>4,120,000</b>	<b>7,414,000</b>	<b>5,390,000</b>	<b>8,540,000</b>	<b>3,090,000</b>	<b>45,727,000</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 may exist. Without this comprehensive approach, consideration and approval of capital improvements will likely 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

Developing and updating of the CFP/TIP is an ongoing activity, and 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 on-going 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 appointment to 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 on-going 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>	<b>REVIEW OF PRIOR RESULTS</b>	<b>REVIEW OF PRIOR RESULTS</b>
	Direct Contact with the City Manager and City Council Community wide input City Council Meetings	Information to Council and Community on Results through project closure and spending reports Planning Training on tracking system Tracking system available	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 citizens arrive at their destinations with ease.
- **Recreation Improvements** – The City’s goal is to provide attractive and safe gathering places for all ages.
- **Information Technology Improvements** – The City’s goal is to provide computer software 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, and improves internal and external customer service.
- **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. Additionally, the LRFP will help to balance costs associated with maintenance, and replacement or repair to ensure funding is maximized and is not spent on costly maintenance rather than needed improvements. 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 projects that will support the Port Angeles community.
- Preserve existing infrastructure.
- Seek one-time revenue sources to be used for one-time capital expenditures.
- 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 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 when revenues are not 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 with decreases 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 are not tracked in a separate fund. 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. Resolution 11-18 passed by City Council in 2018 states that 25% of spending in this fund should go toward capital projects. 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 allowed capital expenditures as outlined in RCW 82.46.010. 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 \$51.4 million as of January 1, 2021.

The General Fund can be obligated to pay for general bonds, however, 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 two mandated projects for the Combined Sewer Overflow (CSO) project and the Landfill Bluff Stabilization, as well as the 8th Street rebuild, downtown sidewalk rebuild, expansion into the Western Urban Growth Area, 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
Medic 1	
DEBT	
Public Works Trust Fund loan	LTGO Bonds
Utility Revenue Bonds	
GRANTS	
State Transportation (TIB)	State Transportation Project (STP)
Federal Hwy Administration	Department of Commerce
Department 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. **Medic 1** – this includes equipment purchases and improvements to provide services to the community.
3. **Electric** – this includes providing additional infrastructure, acquisition related to urban growth areas, and providing metering and other electrical services to customers.
4. **Water** – this includes providing improved water treatment facilities, distribution lines, metering and replacement of old lines.
5. **Wastewater** – this includes providing improved wastewater treatment facilities, distribution lines, metering and replacement of old lines as well as reduction of sewage into the ocean and streams.
6. **CSO** – includes providing sewer separation for wastewater and drainage.
7. **Solid Waste** – this includes closure and post-closure of the Landfill, maintenance of the composting facility, and improvements to the Transfer Station.
8. **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.
9. **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.
10. **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.
11. **Transportation** – this includes improvement to and construction of roadways, sidewalks, trails bridges and pedestrian byways.
12. **Closed Projects** – listing of recently closed projects.
13. **Comp Plan** – linking the CFP to the Comprehensive Plan and the Strategic Plan.



# FREQUENTLY ASKED QUESTIONS

## **What is a capital project?**

Capital projects are defined as 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.
- Ability to 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. 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.

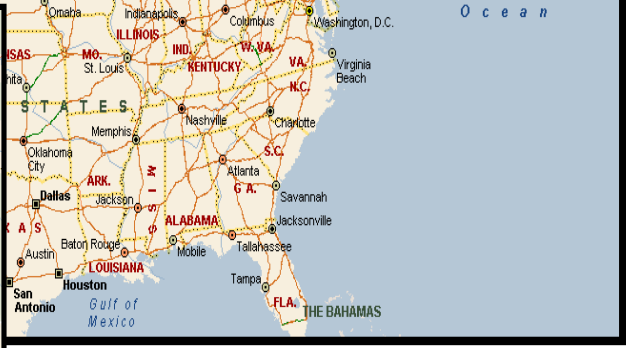
**What happens if revenues fall below projections over the next six years?**

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 over-spending 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 2021

## CITYWIDE PROJECTS:

- NICE Program
- Alley/Street Paving
- Vehicles replaced
- Restroom replacements
- Emergency Mgmt Pods
- Chip Seal/Pavement preservation

- a) City Pier Railing Replacement & Erosion Stabilization
- b) Dream II playground
- c) Lincoln Street Safety
- d) Race St Complete Phase I
- e) Parks Maintenance Building
- f) Erikson Field Pump Track
- g) Police
  - Pencom
  - Computer Aided Dispatch/MDT
  - Gun Range/Training Facility Improv
  - Taser Replacements

## City Hall Projects

- ❖ Data Backup systems replacement
- ❖ Virtual Server Replacements
- ❖ ERP Road Map & Replacement
- ❖ Facility Security Projects
- ❖ City Hall Parking Lot
- ❖ City Hall Fire Detection
- ❖ Senior Center Fire Detection

## h) Fire Hall

- Fire Station Garage door
- Defibrillators/Fire Hoses



**City of Port Angeles  
Utilities  
Projects 2021**

- a) Wastewater Pump Station #3
- b) Light Ops Building
- c) Ranney Well Generator Relocation
- d) Switchgear/LTC Replacements
- e) Francis St Piggng Bypass
- f) Decant Facility & Landfill Software & Landfill Pump
- g) Race Street Water Main Replacement South
- h) N St Outfall Improvement

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



# GOVERNMENT PROJECTS



# GENERAL GOVERNMENT PROJECTS

CFP YEAR: 2022 - 2027  
 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. The improvement of public safety facilities and equipment is also included in these projects.

FUNDING SOURCES	PRIOR YEARS	Budget 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Utility Reserves	\$ 1,119,200	\$ 225,500	\$ 60,500	\$ 85,500	\$ 60,500	\$ 60,500	\$ 60,500	\$ 60,500
Grants	130,900	362,500	3,049,700	-	700,000	-	-	-
Use of Capital Reserves	-	-	-	-	-	-	-	-
General Fund Reserves	769,500	811,000	644,300	183,400	144,200	168,200	131,200	131,200
Donations/Insurance	456,500	90,000	150,000	-	-	-	-	-
Other Funds (REET/Lodging tax)	1,716,000	502,600	1,727,300	227,300	227,300	227,300	227,300	227,300
<b>TOTAL</b>	<b>\$ 4,192,100</b>	<b>\$ 1,991,600</b>	<b>\$ 5,631,800</b>	<b>\$ 496,200</b>	<b>\$ 1,132,000</b>	<b>\$ 456,000</b>	<b>\$ 419,000</b>	<b>\$ 419,000</b>

EXPENDITURES	Prior	2021	2022	2023	2024	2025	2026	2027
Design	-	50,000	199,700	-	-	-	-	-
Construction	1,633,000	3,331,100	5,459,900	420,200	1,056,000	380,000	577,300	327,300
<b>TOTAL</b>	<b>\$ 1,633,000</b>	<b>\$ 3,381,100</b>	<b>\$ 5,659,600</b>	<b>\$ 420,200</b>	<b>\$ 1,056,000</b>	<b>\$ 380,000</b>	<b>\$ 577,300</b>	<b>\$ 327,300</b>

OTHER OPERATING COSTS	Prior	2021	2022	2023	2024	2025	2026	2027
Labor								
Supplies		-	1,000	1,000	1,000	1,000	1,000	1,000
Communications								
Depreciation		3,800	242,800	379,600	430,500	448,700	462,700	501,600
Other - explained on individual sheets								
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 3,800</b>	<b>\$ 243,800</b>	<b>\$ 380,600</b>	<b>\$ 431,500</b>	<b>\$ 449,700</b>	<b>\$ 463,700</b>	<b>\$ 502,600</b>

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

PROJECTS COMPLETED IN 2020		ACTUAL	BUDGET
GG1113	Facility Security Projects	49,872	91,000
PD0116	Mobile Data Terminal Replacements	16,731	25,000
PD0307	Police Regional Training & Gun Range Facility	39,360	40,000
PD0120	Police Taser Replacements	13,056	13,100
PD0119	Computer Aided Dispatch	261,351	260,000
FD0219	EOC/911/Westside Fire Station	62,840	48,000
PK0216	Facility Improvement Revolving Fund	16,519	15,000
PK0418	Civic Field Upgrades	136,315	135,200
PK0318	Waterfront Trail Rip-Rap Repair	93,809	103,000
PK0520	Civic Field Goal Posts	9,562	9,600
<b>TOTAL COMPLETED PROJECTS</b>		<b>699,415</b>	<b>739,900</b>

The Budget reflects all council approved spending. CFP costs do not include internal labor which is budgeted under fund level salaries in operating budgets.



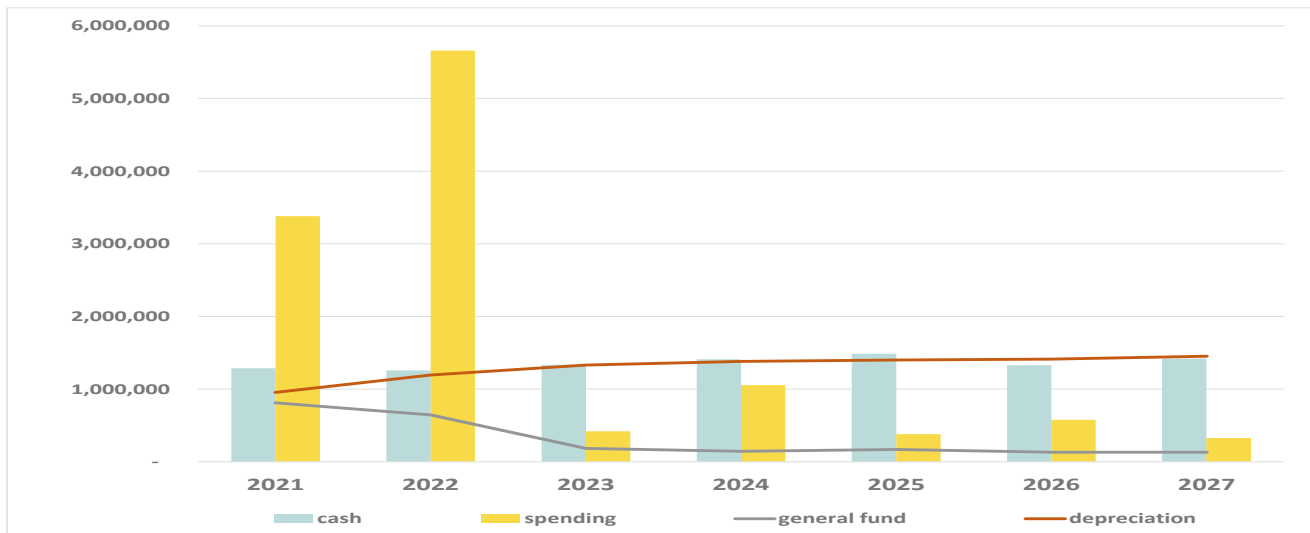
# GENERAL GOVERNMENT PROJECT LIST & CASH FLOW

GENERAL GOVERNMENT CAPITAL PROJECTS						CAPITAL FACILITIES PLAN					
Number	Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2021	2022	2023	2024	2025	2026	2027
<b>GENERAL GOVERNMENT/FACILITIES</b>											
GG0303	NICE Program	R	787,100	262,100	75,000	75,000	75,000	75,000	75,000	75,000	75,000
GG1113	Facility Security Projects	A	256,000	49,900	134,400	71,700	-	-	-	-	-
GG0416	City Hall Fire Detection System	3	75,000	-	75,000	-	-	-	-	-	-
GG0516	Senior Center Fire Detection System	4	50,000	-	50,000	-	-	-	-	-	-
GG0119	Ennis Creek Fish Barrier Removal	6	1,200,000	-	-	199,700	-	-	-	-	-
GG0121	Broadband Improvement Feasibility Study	UF	50,000	-	-	50,000	-	-	-	-	-
GG0916	Valley Creek Restoration Phase III	UF	2,110,900	-	-	-	-	-	-	-	-
<b>PUBLIC SAFETY</b>											
FD0415	Fire Department Turn-Out Gear	R	160,300	160,300	-	-	-	-	-	-	-
FD0615	Fire Hoses	R	47,400	7,400	10,000	5,000	5,000	5,000	5,000	5,000	5,000
FD0218	Self Contained Breathing Apparatus	R	250,000	-	-	-	-	-	-	250,000	-
CAPP	Pencom Capital	R	710,400	251,500	158,900	50,000	50,000	50,000	50,000	50,000	50,000
PD0307	Police Regional Training & Gun Range Facility	R	232,000	39,400	32,000	32,000	32,000	32,000	32,000	16,300	16,300
PD0116	Mobile Data Terminal Replacements	R	230,400	110,100	24,300	16,000	16,000	16,000	16,000	16,000	16,000
PD0120	Police Taser Replacements	A	130,600	13,100	27,200	13,100	27,200	13,000	37,000	-	-
PD0119	Computer Aided Dispatch/Law Enforcement Records Management System	A	301,400	261,400	40,000	-	-	-	-	-	-
FD0315	Fire Station Garage Door Replacement	1	50,000	-	50,000	-	-	-	-	-	-
FD0318	Emergency Management Pods	2	150,000	-	100,000	-	50,000	-	-	-	-
PD0121	EOC/911 Dispatch (Pencom center)	5	4,000,000	-	-	4,000,000	-	-	-	-	-
FD0121	West Side Fire Station	UF	3,000,000	-	-	-	-	-	-	-	-
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	121,500	16,500	15,000	15,000	15,000	15,000	15,000	15,000	15,000
PK0205	Restroom Replacement Program	R	1,350,000	-	450,000	150,000	150,000	150,000	150,000	150,000	150,000
PK0418	Civic Field Upgrades	R	112,500	112,500	-	-	-	-	-	-	-
PK0819	City Pier Railing Replacement	A	565,000	2,800	362,200	200,000	-	-	-	-	-
PK0120	24 Hour Restroom Pilot Project	A	200,000	-	200,000	-	-	-	-	-	-
PK0220	Synthetic Field Turf at Volunteer Field	A	1,200,000	-	-	500,000	-	700,000	-	-	-
PK0219	Generation II Dream Playground	A	475,000	128,100	346,900	-	-	-	-	-	-
PK0719	Parks Maintenance Building	A	706,500	174,400	250,000	282,100	-	-	-	-	-
PK0919	Fine Arts Center Capital Improvements	A	83,700	43,500	40,200	-	-	-	-	-	-
PK0119	Erickson Playfield Pump Track	A	650,000	-	650,000	-	-	-	-	-	-
PK0519	City Pier Erosion Stabilization & Sidewalk Repair (Peabody Creek)	A	290,000	-	290,000	-	-	-	-	-	-
PK0316	Locomotive #4 Refurbishment	UF	250,000	-	-	-	-	-	-	-	-
PK0319	City Pier Inspection Repairs	UF	900,000	-	-	-	-	-	-	-	-
PK0320	HVAC Upgrades at City Hall & Sr Center	UF	1,750,000	-	-	-	-	-	-	-	-
PK0406	Shane & Elks Field Lighting	UF	1,000,000	-	-	-	-	-	-	-	-
PK0420	Ediz Hook Boat Launch Repairs	UF	275,000	-	-	-	-	-	-	-	-
PK0802	Neighborhood Park Development	UF	250,000	-	-	-	-	-	-	-	-
<b>Total</b>			<b>24,290,700</b>	<b>1,633,000</b>	<b>3,381,100</b>	<b>5,659,600</b>	<b>420,200</b>	<b>1,056,000</b>	<b>380,000</b>	<b>577,300</b>	<b>327,300</b>

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded



# GENERAL GOVERNMENT CASH FLOW



CASH FLOW ANALYSIS	2021	2022	2023	2024	2025	2026	2027
Beginning balance	2,675,150	1,285,650	1,257,850	1,333,850	1,409,850	1,485,850	1,327,550
<b>Funding sources:</b>							
Utilities	225,500	60,500	85,500	60,500	60,500	60,500	60,500
Grants	362,500	3,049,700	-	700,000	-	-	-
AR less AP (for cash flow)							
General Fund Funding	811,000	644,300	183,400	144,200	168,200	131,200	131,200
Donations	90,000	150,000	-	-	-	-	-
Other Funds	502,600	1,727,300	227,300	227,300	227,300	227,300	227,300
<b>Spending:</b>							
Capital Investment	(3,381,100)	(5,659,600)	(420,200)	(1,056,000)	(380,000)	(577,300)	(327,300)
<b>Ending Cash Balance</b>	<b>1,285,650</b>	<b>1,257,850</b>	<b>1,333,850</b>	<b>1,409,850</b>	<b>1,485,850</b>	<b>1,327,550</b>	<b>1,419,250</b>

Reserved for:	2021	2022	2023	2024	2025	2026	2027
NICE program	826,700	826,700	826,700	826,700	826,700	826,700	826,700
PRD	72,000	72,000	72,000	72,000	72,000	72,000	72,000
Fire Safety items	156,600	206,300	256,000	305,700	355,400	155,100	204,800
Facility Replacement	71,500	71,500	71,500	71,500	71,500	71,500	71,500
Restroom Replacement	-	-	-	-	-	-	-
Total Management reserves	1,126,800	1,176,500	1,226,200	1,275,900	1,325,600	1,125,300	1,175,000
<b>NET Available Cash balance</b>	<b>158,850</b>	<b>131,050</b>	<b>157,350</b>	<b>183,650</b>	<b>209,950</b>	<b>1,950</b>	<b>293,950</b>

<b>Projected Depreciation</b>	<b>954,603</b>	<b>1,193,645</b>	<b>1,330,457</b>	<b>1,381,322</b>	<b>1,399,588</b>	<b>1,413,526</b>	<b>1,452,463</b>
<b>Cash to depreciation ratio</b>	<b>1.35</b>	<b>1.05</b>	<b>1.00</b>	<b>1.02</b>	<b>1.06</b>	<b>0.94</b>	<b>0.98</b>

Financial 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 from the operating fund balances and are intended for specific projects or activities listed in the CFP.



**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, or streets to stimulate economic development and community reinvestment. The concept is that capital infrastructure improvements add value to adjacent property and stimulate private sector investment and redevelopment to upgrade a neighborhood and increase the tax base for overall revenue generation of the community. 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, specifically in the City's residential or commercial districts that permit medium to high density residential development. As part of Strategic Plan Quality of Life action A4, properties will be identified years 2021-22 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. Specifically, this program can address the community's housing needs by supporting residential development in the City's residential or commercial districts that permit medium to high density residential development.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund	\$ 957,800	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000
Grants								
Bonds								
General Fund	185,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 1,142,800</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>	<b>\$ 75,000</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	262,100	75,000	75,000	75,000	75,000	75,000	75,000	75,000
<b>TOTAL</b>	<b>\$ 262,100</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>	<b>\$ 75,000</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$787,100**



**PROJECT STATUS:** ACTIVE  
**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. Recently, the City did a renovation to the entrance of City Hall, between the Finance counter and the Economic Development station, that secured citizens from walking into City Hall without authorization.

**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund	\$ 131,400							
Grants								
Bonds								
General Fund	19,600	75,000	30,000	30,000	30,000	30,000	30,000	30,000
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 151,000</b>	<b>\$ 75,000</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	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	49,900	134,400	71,700					
<b>TOTAL</b>	<b>\$ 49,900</b>	<b>\$ 134,400</b>	<b>\$ 71,700</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
REET	50,000							
<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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** PRE-PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.107893, -123.399054  
**PROJECT MANAGER:** ALLYSON BREKKE/JONATHAN BOEHME  
**ESTIMATED LIFE:** 40 YEARS

**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. 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 and 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 City has been selected for a Brian Abbott Fish Barrier Removal grant for design in the amount of \$199,600 with no match requirement. Construction is unfunded.

**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.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN						
			2022	2023	2024	2025	2026	2027	
Reserves Utilities Fund									
Grants			199,700						
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 199,700</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design			199,700					
Construction								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 199,700</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** THOMAS HUNTER  
**ESTIMATED LIFE:** 10 YEARS

**ABOUT THE PROJECT:**

Examine the current and future needs of the residents and businesses in the City limits of Port Angeles to develop a plan to identify level of service improvement goals, infrastructure improvement needs, funding analysis, and Public Private Partnership opportunities.

**JUSTIFICATION:**

As the City looks to increase the level of service for broadband within the City of Port Angeles, Council directed staff to evaluate and plan for improvements that can define, scope, and pursue improved broadband service. This project will allow the City to start identifying different paths to achieve an increased level of service.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund			50,000					
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design			50,000					
Construction								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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, the 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.



2022 - 2027

CITY OF PORT ANGELES

CAPITAL FACILITIES PLAN & TRANSPORTATION IMPROVEMENT PLAN

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**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants	25,000							
Bonds								
General Fund	87,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 112,500</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>	<b>\$ 17,500</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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: \$160,300**



**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	20,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 20,000</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	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	7,400	10,000	5,000	5,000	5,000	5,000	5,000	5,000
<b>TOTAL</b>	<b>\$ 7,400</b>	<b>\$ 10,000</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	2021	2022	2023	2024	2025	2026	2027
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: \$47,400**



**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 fortunate 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	56,800	32,200	32,200	32,200	32,200	32,200	32,200	32,200
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 56,800</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>	<b>\$ 32,200</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other	251,500	158,900	50,000	50,000	50,000	50,000	50,000	50,000
<b>TOTAL</b>	<b>\$ 251,500</b>	<b>\$ 158,900</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	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	251,500	158,900	50,000	50,000	50,000	50,000	50,000	50,000
<b>TOTAL</b>	<b>\$ 251,500</b>	<b>\$ 158,900</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	2021	2022	2023	2024	2025	2026	2027
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: \$710,400**



**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.

**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other	125,800	16,300	16,300	16,300	16,300	16,300	16,300	16,300
<b>TOTAL</b>	<b>\$ 125,800</b>	<b>\$ 16,300</b>	<b>\$ 16,300</b>	<b>\$ 16,300</b>	<b>\$ 16,300</b>	<b>\$ 16,300</b>	<b>\$ 16,300</b>	<b>\$ 16,300</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	39,400	32,000	32,000	32,000	32,000	32,000	16,300	16,300
<b>TOTAL</b>	<b>\$ 39,400</b>	<b>\$ 32,000</b>	<b>\$ 32,000</b>	<b>\$ 32,000</b>	<b>\$ 32,000</b>	<b>\$ 32,000</b>	<b>\$ 16,300</b>	<b>\$ 16,300</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$232,000**



**PROJECT STATUS:** REVOLVING  
**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants	105,900	12,500						
Bonds								
General Fund	12,500	8,600	16,000	16,000	16,000	16,000	16,000	16,000
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 118,400</b>	<b>\$ 21,100</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	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	110,100	24,300	16,000	16,000	16,000	16,000	16,000	16,000
<b>TOTAL</b>	<b>\$ 110,100</b>	<b>\$ 24,300</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	2021	2022	2023	2024	2025	2026	2027
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: \$ 230,400**



**PROJECT STATUS:** ACTIVE  
**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	13,100	27,200	13,100	27,200	13,000	37,000		
Donations/Insurance Reim.								
PenCom								
<b>TOTAL</b>	<b>\$ 13,100</b>	<b>\$ 27,200</b>	<b>\$ 13,100</b>	<b>\$ 27,200</b>	<b>\$ 13,000</b>	<b>\$ 37,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	13,100	27,200	13,100	27,200	13,000	37,000		
<b>TOTAL</b>	<b>\$ 13,100</b>	<b>\$ 27,200</b>	<b>\$ 13,100</b>	<b>\$ 27,200</b>	<b>\$ 13,000</b>	<b>\$ 37,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$130,600**



# COMPUTER AIDED DISPATCH/LAW ENFORCEMENT PD0119 RECORDS MANAGEMENT SYSTEM

**PROJECT STATUS:** ACTIVE  
**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	260,000	41,400						
Donations/Insurance Reim.								
PenCom								
<b>TOTAL</b>	<b>\$ 260,000</b>	<b>\$ 41,400</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	261,400	40,000						
<b>TOTAL</b>	<b>\$ 261,400</b>	<b>\$ 40,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$301,400**



**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund	\$ 25,000	\$ 25,500	\$ 500	\$ 25,500	\$ 500	\$ 500	\$ 500	\$ 500
Grants								
Bonds								
General Fund	25,000	25,500	500	25,500	500	500	500	500
Donations/Insurance Reim.								
Other								
<b>TOTAL</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>	<b>\$ 1,000</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction		100,000		50,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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>

Other operating costs include reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.

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



**PROJECT STATUS:** PRE-PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** UNKNOWN  
**PROJECT MANAGER:** 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. Combining the EOC and 911 dispatch center 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, \$4 million for the EOC that will be paid for by the County and \$4 million for the 911 Center to be paid for by the City. The PenCom capital fund will contribute \$1.5 million, 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.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants			2,500,000					
Bonds								
General Fund								
Donations/Insurance Reim.								
PenCom			1,500,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 4,000,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction			4,000,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 4,000,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$4,000,000**



# 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.

## WESTSIDE FIRE STATION

FD0121

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** UNKNOWN  
**PROJECT MANAGER:** KEN DUBUC  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$ 3,000,000

### **ABOUT THE PROJECT:**

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. The Westside fire station is estimated to be \$3.0 million funded by the City.

### **JUSTIFICATION:**

The addition of a westside fire station will improve response times.



**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)

**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.



**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 the City has been 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. The City is one of a number of agencies that cut the OPSCAN cord last year. When that occurred the City 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. An automatic power transfer that switches over to the generator and then isolates the system from the grid will be needed. Since the generator will likely sit unused for long periods of time, it will need to be powered with propane. Diesel and gas fuels will spoil if they sit too long as a result a propane generator, a propane tank, and an automatic transfer switch will be needed. 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. For example, in 2020, the City used funds to install a new sidewalk that separates the William Shore Memorial Pool parking lot and the City Hall Parking lot that was unfunded. This will also allow access/ADA access to the Port Angeles Police Department from 5th Street.

**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	80,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 80,000</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	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	16,500	15,000	15,000	15,000	15,000	15,000	15,000	15,000
<b>TOTAL</b>	<b>\$ 16,500</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	2021	2022	2023	2024	2025	2026	2027
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: \$121,500**



**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 replace 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 \$400,000 in this account for two restroom replacements in 2021. The first two restrooms to be replaced are the Ediz Hook restroom and adding a restroom at Pebble Beach Park. The Pebble Beach restroom will eliminate the downtown restroom that is adjacent to the Family Shoe Store downtown.

**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
REET	375,000	75,000	150,000	150,000	150,000	150,000	150,000	150,000
<b>TOTAL</b>	<b>\$ 375,000</b>	<b>\$ 75,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction		450,000	150,000	150,000	150,000	150,000	150,000	150,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 450,000</b>	<b>\$ 150,000</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	2021	2022	2023	2024	2025	2026	2027
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: \$1,350,000**



**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** GOOD  
**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. Recently the City completed the new ADA walkway improvement project. The City will continue to make improvements to the facility as funds/grants become available.

**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other	110,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000
<b>TOTAL</b>	<b>\$ 110,000</b>	<b>\$ 11,000</b>	<b>\$ 11,000</b>	<b>\$ 11,000</b>	<b>\$ 11,000</b>	<b>\$ 11,000</b>	<b>\$ 11,000</b>	<b>\$ 11,000</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	112,500							
<b>TOTAL</b>	<b>\$ 112,500</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	2021	2022	2023	2024	2025	2026	2027
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: \$112,500**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.121068, -123.427063  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 30 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 its infrastructure to this facility over the last 6 years. Projects such as the Fire Suppression System Replacement, the new Transient Moorage Floats, an overall completed inspection of the pilings and updated load ratings 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 a new railing system. Because of cost, the project is likely to be done in phases. Currently the City is working on the design portion of the project.

**JUSTIFICATION:**

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

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	165,000	200,000	200,000					
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 165,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	2,800	362,200	200,000					
<b>TOTAL</b>	<b>\$ 2,800</b>	<b>\$ 362,200</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** FAIR  
**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. An additional \$50,000 was placed towards this project out of REET funding for construction of the project. 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 2021/early 2022.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	50,000							
Donations/Insurance Reim.								
Lodging Tax	150,000							
<b>TOTAL</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** 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 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. During the 2020 RCO ranking for a Youth Athletic Facility Grant, this project ranked 23/38. This gives the project an outside chance to receive \$350,000 towards this project. The City will know more in July of 2021 with construction possibility slated in 2022.

**JUSTIFICATION:**

The cost of installing and maintaining a synthetic turf field over a 20-year period is over 3 times less expensive per event than the cost of a turf field. This will save on maintenance costs, reduce the amount of water used, along with less pollution from mowing and eliminates the use of fertilizers

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants			350,000			700,000		
Bonds								
General Fund								
Donations/Insurance Reim.			150,000					
Lodging Tax								
<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>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction			500,000		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	2021	2022	2023	2024	2025	2026	2027
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:** ACTIVE  
**PRESENT CONDITION:** POOR  
**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 the build of the original playground, 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 new surfacing that does not include fiber/bark. The estimated cost of the playground is \$550,000 and estimation of completion date will be summer of 2021.

**JUSTIFICATION:**

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

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.	240,000							
Lodging Tax	235,000							
<b>TOTAL</b>	<b>\$ 475,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	128,100	346,900						
<b>TOTAL</b>	<b>\$ 128,100</b>	<b>\$ 346,900</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** ACTIVE  
**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 the Parks Maintenance Building located on 16th Street. 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 is obtained to build the new structure on the City owned property. As part of the 2020 CFP, \$50,000 was set aside to demo the existing building. This project was completed with the assistance of Public Works and came in under budget. The next step of the process is to hire a consultant for the design of the placement of the facility on existing City property. The main focus will be land space, utilities, and tree canopy so that this type of event will not happen in the future.

**JUSTIFICATION:**

Not continuing this project will result in the City paying \$5,000 per month for the current location the Parks Maintenance Crew is at on Port property.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund		250,000	250,000					
Donations/Insurance Reim.	206,500							
Other								
<b>TOTAL</b>	<b>\$ 206,500</b>	<b>\$ 250,000</b>	<b>\$ 250,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	174,400	250,000	282,100					
<b>TOTAL</b>	<b>\$ 174,400</b>	<b>\$ 250,000</b>	<b>\$ 282,100</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$706,500**



**PROJECT STATUS:** ACTIVE  
**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 PA 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 PAFAC 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. Over the last two years, the PAFAC has completed the lighting and event panel project. They have an estimated \$37,000 left in Lodging Tax to work on some additional projects, such as signage.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Lodging Tax	83,700							
<b>TOTAL</b>	<b>\$ 83,700</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	43,500	40,200						
<b>TOTAL</b>	<b>\$ 43,500</b>	<b>\$ 40,200</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$83,700**



**PROJECT STATUS:** ACTIVE  
**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 looking to raise funds 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, provide an additional recreation feature for the community with very little maintenance added for park staff. Recently the Lincoln Park BMX Track has secured \$100,000 in City Lodging Tax Funding, \$100,000 from the County Lodging Tax Committee, and is likely to receive a \$350,000 grant from the Recreation Conservation Fund from the State. The project is slated to start in August of 2021.

**JUSTIFICATION:**

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

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants		350,000						
Bonds								
General Fund								
Donations/Insurance Reim.	10,000	90,000						
Lodging Tax		200,000						
<b>TOTAL</b>	<b>\$ 10,000</b>	<b>\$ 640,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction		650,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 650,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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**



# CITY PIER EROSION STABILIZATION & SIDEWALK REPAIR (PEABODY CREEK)

PK0519

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

**ABOUT THE PROJECT:**

The west and south hillside of the City Pier, by the 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 Engineering 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 \$50,000 of these funds for consultant design. The design portion of this project was approved by the City Council in March of 2021 and the project is slated to be completed by year end 2021.

**JUSTIFICATION:**

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

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund	\$ 5,000	\$ 140,000						
Grants								
Bonds								
General Fund	5,000	140,000						
Donations/Insurance Reim.								
Other								
<b>TOTAL</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	2021	2022	2023	2024	2025	2026	2027
Design		50,000						
Construction		240,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 290,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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 and the Rotary Club 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:** \$900,000

**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 \$900,000.

**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:** FAIR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** COREY DELIKAT  
**ESTIMATED LIFE:** 30 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$1,750,000

**ABOUT THE PROJECT:**

Both the Port Angeles Senior Center and City Hall are in need of HVAC upgrades, especially since they are both over 30 years old. In 2019, to develop energy efficiency and quality air supply at both facilities, the City worked with TRANE Technologies to develop costs to replace the HVAC systems in both facilities. City Hall would cost \$1,000,000 and the Senior Center would cost \$750,000.

**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:** \$275,000

**ABOUT THE PROJECT:**

The City has been receiving concerns from the boating community regarding the status of the Ediz Hook boat launch as they enter the water. Many boaters will not use our facility because of fear of ruining their boats, trailers and vehicles because as they approach the end of the concrete ramp, there is an extensive drop-off. 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:** \$250,000

**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.

**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.



CITY OF PORT ANGELES



2022 - 2027  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN

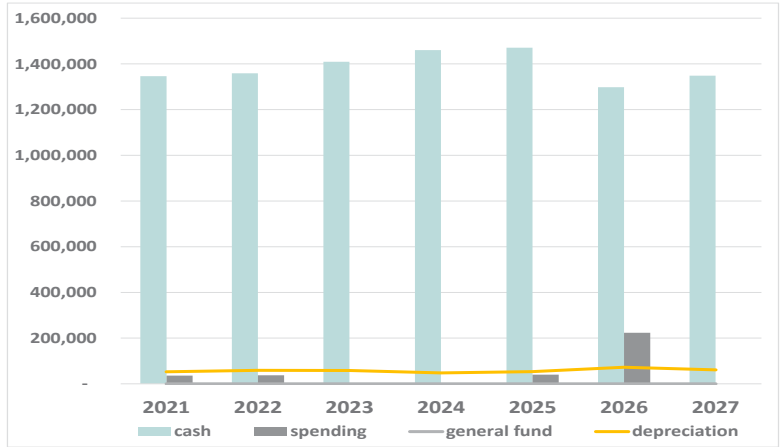


# MEDIC 1



# MEDIC 1 FUND CAPITAL FACILITY PLAN

CFP YEAR: 2022 - 2027  
 MANAGER: KEN DUBUC  
 CONTACT: KDUBUC@CITYOFPA.US  
 PHONE: 360-417-4651



**MEDIC 1 FUND GOALS AND OBJECTIVES:**  
 To improve public safety and replace equipment to keep all Medic 1 assets in good working condition.

FUNDING SOURCES	PRIOR YEARS	Budget 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Use of Capital Reserves	-	-	-	-	-	-	-	-
General Fund Reserves	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds (Medic 1)	273,700	49,600	49,600	50,500	50,500	50,500	50,500	50,600
<b>TOTAL</b>	<b>\$ 273,700</b>	<b>\$ 49,600</b>	<b>\$ 49,600</b>	<b>\$ 50,500</b>	<b>\$ 50,500</b>	<b>\$ 50,500</b>	<b>\$ 50,500</b>	<b>\$ 50,600</b>

EXPENDITURES	Prior	2021	2022	2023	2024	2025	2026	2027
Design	-	-	-	-	-	-	-	-
Construction	238,700	36,000	37,000	-	-	40,000	223,200	-
<b>TOTAL</b>	<b>\$ 238,700</b>	<b>\$ 36,000</b>	<b>\$ 37,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 40,000</b>	<b>\$ 223,200</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2021	2022	2023	2024	2025	2026	2027
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	52,400	58,800	58,500	47,700	53,100	72,500	61,100
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 52,400</b>	<b>\$ 58,800</b>	<b>\$ 58,500</b>	<b>\$ 47,700</b>	<b>\$ 53,100</b>	<b>\$ 72,500</b>	<b>\$ 61,100</b>

MEDIC 1			CAPITAL FACILITIES PLAN								
Number	Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2021	2022	2023	2024	2025	2026	2027
MEDIC 1											
CAPM1	Medic 1 Revolving	R	353,900	170,700	-	-	-	-	-	183,200	-
FD0118	Defibrillator Revolving Account	R	221,000	68,000	36,000	37,000	-	-	40,000	40,000	-
<b>Total</b>			<b>574,900</b>	<b>238,700</b>	<b>36,000</b>	<b>37,000</b>	<b>-</b>	<b>-</b>	<b>40,000</b>	<b>223,200</b>	<b>-</b>

CASH FLOW ANALYSIS	2021	2022	2023	2024	2025	2026	2027
Beginning balance	1,332,899	1,346,499	1,359,099	1,409,599	1,460,099	1,470,599	1,297,899
<b>Funding sources:</b>							
Utilities	49,600	49,600	50,500	50,500	50,500	50,500	50,600
Grants	-	-	-	-	-	-	-
Use of existing reserves in Medic 1	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Interest/Donations	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>Spending:</b>							
Capital Investment	(36,000)	(37,000)	-	-	(40,000)	(223,200)	-
<b>Ending Cash Balance</b>	<b>1,346,499</b>	<b>1,359,099</b>	<b>1,409,599</b>	<b>1,460,099</b>	<b>1,470,599</b>	<b>1,297,899</b>	<b>1,348,499</b>

Projected Depreciation	52,370	58,824	58,542	47,703	53,103	72,521	61,100
Cash to depreciation ratio	25.71	23.10	24.08	30.61	27.69	17.90	22.07

PROJECTS COMPLETED IN 2020	ACTUAL	BUDGET
CAPM1 Medic 1 Revolving	170,729	183,200
<b>TOTAL COMPLETED PROJECTS</b>	<b>170,729</b>	<b>183,200</b>

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



**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Medic 1	103,000	19,000	19,000	20,000	20,000	20,000	20,000	20,000
<b>TOTAL</b>	<b>\$ 103,000</b>	<b>\$ 19,000</b>	<b>\$ 19,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	68,000	36,000	37,000			40,000	40,000	
<b>TOTAL</b>	<b>\$ 68,000</b>	<b>\$ 36,000</b>	<b>\$ 37,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 40,000</b>	<b>\$ 40,000</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** REVOLVING  
**PRESENT CONDITION:** GOOD  
**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Medic 1	170,700	30,600	30,600	30,500	30,500	30,500	30,500	30,600
<b>TOTAL</b>	<b>\$ 170,700</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>	<b>\$ 30,600</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	170,700						183,200	
<b>TOTAL</b>	<b>\$ 170,700</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 183,200</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$353,900**

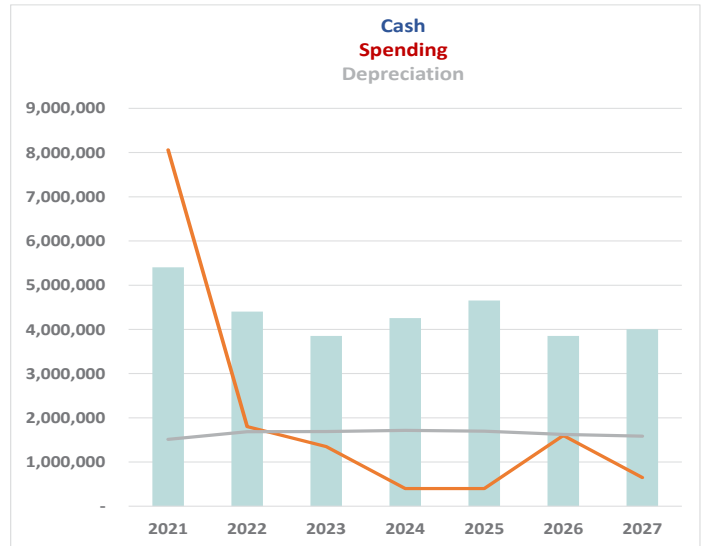


# ELECTRIC



# ELECTRIC FUND CAPITAL FACILITY PLAN

CFP YEAR: 2022 - 2027  
 MANAGER: THOMAS HUNTER  
 CONTACT: THUNTER@CITYOFPA.US  
 PHONE: 360-417-4801



**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Electric Reserves Planned Use	\$ 6,410,100	\$ 2,011,100	\$ 1,800,000	\$ 1,350,000	\$ 400,000	\$ 400,000	\$ 1,600,000	\$ 650,000
Grants	-	28,800	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	50,000	50,000	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 6,460,100</b>	<b>\$ 2,089,900</b>	<b>\$ 1,800,000</b>	<b>\$ 1,350,000</b>	<b>\$ 400,000</b>	<b>\$ 400,000</b>	<b>\$ 1,600,000</b>	<b>\$ 650,000</b>

EXPENDITURES	Prior	2021	2022	2023	2024	2025	2026	2027
Design	429,100	-	-	60,000	-	-	-	-
Construction	60,100	8,060,700	1,800,000	1,290,000	400,000	400,000	1,600,000	650,000
<b>TOTAL</b>	<b>\$ 489,200</b>	<b>\$ 8,060,700</b>	<b>\$ 1,800,000</b>	<b>\$ 1,350,000</b>	<b>\$ 400,000</b>	<b>\$ 400,000</b>	<b>\$ 1,600,000</b>	<b>\$ 650,000</b>

OTHER OPERATING COSTS	Prior	2021	2022	2023	2024	2025	2026	2027
Labor								
Supplies								
Communications								
Depreciation		4,300	192,200	237,900	282,200	293,700	300,800	342,200
Other - explained on individual sheets								
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 4,300</b>	<b>\$ 192,200</b>	<b>\$ 237,900</b>	<b>\$ 282,200</b>	<b>\$ 293,700</b>	<b>\$ 300,800</b>	<b>\$ 342,200</b>



# ELECTRIC PROJECT LIST & CASH FLOW

ELECTRIC PROJECTS					CAPITAL FACILITIES PLAN						
Number	Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2021	2022	2023	2024	2025	2026	2027
CLCAP	Maintenance Capital Contribution	R	1,102,000	52,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000
CL0414	Construct New Light Ops Building	A	6,399,900	429,100	5,970,800	-	-	-	-	-	-
CL0916	Replace Laurel Street Substation Switchgear	A	500,000	-	500,000	-	-	-	-	-	-
CL0220	Laurel Street LTC Load Tap Changer Replacement	A	200,000	-	200,000	-	-	-	-	-	-
CL0716	F Street Substation Switchgear	A	500,000	-	500,000	-	-	-	-	-	-
CL0320	F Street LTC Load Tap Changer Replacement	A	200,000	-	200,000	-	-	-	-	-	-
CL0119	Overhead Reconductoring - 2020	A	250,000	8,100	241,900	-	-	-	-	-	-
CL0419	Underground Cable Replacement - 2021	A	250,000	-	250,000	-	-	-	-	-	-
CL0620	Electric Vehicle Charging Station	A	48,000	-	48,000	-	-	-	-	-	-
CL0217	I Street Substation Switchgear Replacement	1	500,000	-	-	500,000	-	-	-	-	-
CL0420	College Street LTC Load Tap Changer Replacement	2	200,000	-	-	200,000	-	-	-	-	-
CL0919	"A" Street Substation Switchgear Replacement	3	500,000	-	-	500,000	-	-	-	-	-
CL0519	Underground Cable Replacement - 2022	4	250,000	-	-	250,000	-	-	-	-	-
CL0216	City/PUD Service Area Capital Needs	5	400,000	-	-	200,000	200,000	-	-	-	-
CL0117	Washington Street Substation Switchgear	6	500,000	-	-	-	500,000	-	-	-	-
CL0819	Overhead Reconductoring - 2023	7	250,000	-	-	-	250,000	-	-	-	-
CL0619	Underground Cable Replacement - 2023	8	250,000	-	-	-	250,000	-	-	-	-
CL0719	Underground Cable Replacement - 2024	9	250,000	-	-	-	-	250,000	-	-	-
CL1019	Underground Cable Replacement - 2025	10	250,000	-	-	-	-	-	250,000	-	-
CL0221	Underground Cable Replacement - 2026	11	250,000	-	-	-	-	-	-	250,000	-
CL0120	F Street Transformer Replacement	12	1,200,000	-	-	-	-	-	-	1,200,000	-
CL0121	Overhead Reconductoring - 2027	13	250,000	-	-	-	-	-	-	-	250,000
CL0321	Underground Cable Replacement - 2027	14	250,000	-	-	-	-	-	-	-	250,000
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>16,099,900</b>	<b>489,200</b>	<b>8,060,700</b>	<b>1,800,000</b>	<b>1,350,000</b>	<b>400,000</b>	<b>400,000</b>	<b>1,600,000</b>	<b>650,000</b>

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded

CASH FLOW ANALYSIS	2021	2022	2023	2024	2025	2026	2027
Beginning Cash Balance	12,585,718	5,403,818	4,403,818	3,853,818	4,253,818	4,653,818	3,853,818
<b>Funding sources:</b>							
Electric Rates Transfer	800,000	800,000	800,000	800,000	800,000	800,000	800,000
For building from Reserves							
Adjustments for cash timing							
General Fund	-	-	-	-	-	-	-
Donations/Insurance	50,000	-	-	-	-	-	-
Other Funds/Grants	28,800	-	-	-	-	-	-
<b>Spending:</b>							
Project cost	(8,060,700)	(1,800,000)	(1,350,000)	(400,000)	(400,000)	(1,600,000)	(650,000)
<b>Ending Cash Balance</b>	<b>5,403,818</b>	<b>4,403,818</b>	<b>3,853,818</b>	<b>4,253,818</b>	<b>4,653,818</b>	<b>3,853,818</b>	<b>4,003,818</b>

<b>Depreciation</b>	<b>1,512,166</b>	<b>1,684,777</b>	<b>1,688,535</b>	<b>1,715,413</b>	<b>1,698,454</b>	<b>1,622,385</b>	<b>1,585,188</b>
<b>Depreciation to Cash Ratio</b>	<b>3.57</b>	<b>2.61</b>	<b>2.28</b>	<b>2.48</b>	<b>2.74</b>	<b>2.38</b>	<b>2.53</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, and in 2020 in the amount of \$2,200,000. Total reserves used is \$6.4 million.

PROJECTS COMPLETED IN 2020	Actual	Budget
CLCAP/CL0212 Distribution/Overhead/Poles/Yard Lighting	53,435	200,000
CL0319 Underground Cable Replacement 2020	147,617	200,000
<b>TOTAL COMPLETED PROJECTS</b>	<b>201,052</b>	<b>400,000</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:** THOMAS HUNTER  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Capitalizing materials used in maintenance projects.

**JUSTIFICATION:**

The Electric utility's maintenance projects 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Electric Fund	\$ 2,000	\$ 100,000	\$ 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>\$ 52,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	52,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000
<b>TOTAL</b>	<b>\$ 52,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</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	2021	2022	2023	2024	2025	2026	2027
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: \$1,102,000**



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

**ABOUT THE PROJECT:**

The construction of Light Operations Building will provide a permanent facility for the electric utility to operate from. Design is complete. 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 \$350,000 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Electric Fund	\$ 6,400,000							
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 6,400,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	429,100	5,970,800						
<b>TOTAL</b>	<b>\$ 429,100</b>	<b>\$ 5,970,800</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$6,399,900**



# LAUREL SUBSTATION SWITCHGEAR REPLACEMENT CL0916

**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.10753, -123.443652  
**PROJECT MANAGER:** THOMAS HUNTER  
**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 switchgears throughout the City service area.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.10753, -123.443652  
**PROJECT MANAGER:** THOMAS HUNTER  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replace the Laurel Street substation load tap changer (LTC). The 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** POOR  
**LATITUDE / LONGITUDE:** 48.115685, -123.469807  
**PROJECT MANAGER:** THOMAS HUNTER  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replace "F" Street substation switchgear. "F" Street substation provides power to the 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** ACTIVE  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.115685, -123.469807  
**PROJECT MANAGER:** THOMAS HUNTER  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replace the "F" Street substation load tap changer (LTC). "F" Street substation provides power to the 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** POOR  
**LATITUDE / LONGITUDE:** 48.101691, -123.449474  
**PROJECT MANAGER:** THOMAS HUNTER  
**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Electric Fund	\$ 8,100	\$ 241,900						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 8,100</b>	<b>\$ 241,900</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	8,100	241,900						
<b>TOTAL</b>	<b>\$ 8,100</b>	<b>\$ 241,900</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** ACTIVE  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.004559, -123.432153  
**PROJECT MANAGER:** THOMAS HUNTER  
**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** ACTIVE  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.113840, -123.431012  
**PROJECT MANAGER:** THOMAS HUNTER  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Install an Electric Vehicle Charging station to encourage City employees towards the transition to electric vehicles. The City secured a Department 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Electric Fund		\$ 19,200						
Grants		28,800						
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<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	2021	2022	2023	2024	2025	2026	2027
Design								
Construction		48,000						
<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>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.125778, -123.468039  
**PROJECT MANAGER:** THOMAS HUNTER  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replace the "I" Street substation switchgear. The "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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction			500,000					
<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	2021	2022	2023	2024	2025	2026	2027
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:** FAIR  
**LATITUDE / LONGITUDE:** 48.101532, -123.415987  
**PROJECT MANAGER:** THOMAS HUNTER  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replace College Street substation Load Tap Changer (LTC). The College Street substation provides power to roughly 1,500 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** THOMAS HUNTER  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replace the "A" Street substation switchgear. The "A" Street substation provides power to roughly 1,200 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 switchgears throughout the City service area.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction			500,000					
<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	2021	2022	2023	2024	2025	2026	2027
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:** FAIR  
**LATITUDE / LONGITUDE:** 48.004559, -123.432153  
**PROJECT MANAGER:** THOMAS HUNTER  
**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** THOMAS HUNTER  
**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction			200,000	200,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</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	2021	2022	2023	2024	2025	2026	2027
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:** PRE-PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.111139, -123.418494  
**PROJECT MANAGER:** THOMAS HUNTER  
**ESTIMATED LIFE:** 35 YEARS

**ABOUT THE PROJECT:**

Replace Washington St substation switchgear. Washington Street substation provides power to roughly 1,000 residential/commercial (including Olympic Medical Center) 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design				60,000				
Construction				440,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** THOMAS HUNTER  
**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** THOMAS HUNTER  
**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** THOMAS HUNTER  
**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 are 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** THOMAS HUNTER  
**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 are 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** THOMAS HUNTER  
**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 are 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** THOMAS HUNTER  
**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 transformer 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>\$ 1,200,000</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
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>\$ 1,200,000</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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**



**PROJECT STATUS:** PRE-PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.004559, -123.432153  
**PROJECT MANAGER:** THOMAS HUNTER  
**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>\$ 0</b>	<b>\$ 250,000</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** THOMAS HUNTER  
**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 are 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>\$ 0</b>	<b>\$ 250,000</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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**



# 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:** UNFUNDED  
**PRESENT CONDITION:** EXCELLENT  
**LATITUDE / LONGITUDE:** 48.097707, -123.409825  
**PROJECT MANAGER:** THOMAS HUNTER  
**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:** THOMAS HUNTER  
**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:** THOMAS HUNTER  
**ESTIMATED LIFE:** 35 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$500,000

**ABOUT THE PROJECT:**  
Seismically brace critical infrastructure within all 7 substations within the 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.

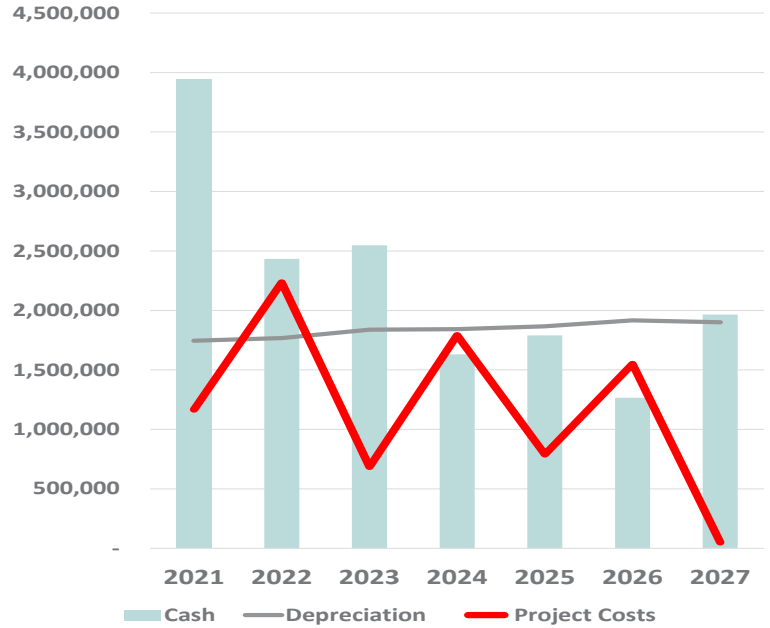


# WATER



# WATER FUND CAPITAL FACILITY PLAN

CFP YEAR: 2022 - 2027  
 MANAGER: JONATHAN BOEHME  
 CONTACT: JBOEHME@CITYOFPA.US  
 PHONE: 360-417-4803



## 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Water Capital Reserves	\$ 140,600	\$ 1,167,500	\$ 2,235,000	\$ 685,000	\$ 1,792,000	\$ 790,000	\$ 1,550,000	\$ 50,000
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 140,600</b>	<b>\$ 1,167,500</b>	<b>\$ 2,235,000</b>	<b>\$ 685,000</b>	<b>\$ 1,792,000</b>	<b>\$ 790,000</b>	<b>\$ 1,550,000</b>	<b>\$ 50,000</b>

EXPENDITURES	Prior	2021	2022	2023	2024	2025	2026	2027
Design	6,500	339,500	300,000	-	-	-	-	-
Construction	134,100	828,000	1,935,000	685,000	1,792,000	790,000	1,550,000	50,000
<b>TOTAL</b>	<b>\$ 140,600</b>	<b>\$ 1,167,500</b>	<b>\$ 2,235,000</b>	<b>\$ 685,000</b>	<b>\$ 1,792,000</b>	<b>\$ 790,000</b>	<b>\$ 1,550,000</b>	<b>\$ 50,000</b>

OTHER OPERATING COSTS	Prior	2021	2022	2023	2024	2025	2026	2027
Labor								
Supplies								
Communications								
Depreciation		10,000	44,800	117,700	134,900	164,100	212,400	242,400
Other -Maint & Plans								
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ 44,800</b>	<b>\$ 117,700</b>	<b>\$ 134,900</b>	<b>\$ 164,100</b>	<b>\$ 212,400</b>	<b>\$ 242,400</b>

PROJECTS COMPLETED IN 2020	ACTUAL	Budget
WT0118 Ranney Well Roof	60,550	90,000
WT0520 Sodium Hypochlorite Generaton System	143,327	151,200
<b>TOTAL COMPLETED PROJECTS</b>	<b>203,877</b>	<b>241,200</b>

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



# WATER PROJECT LIST & CASH FLOW

					CAPITAL FACILITIES PLAN						
Number	WATER PROJECTS Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2021	2022	2023	2024	2025	2026	2027
CAPWT	General Water Equipment	R	466,300	116,300	50,000	50,000	50,000	50,000	50,000	50,000	50,000
WT0220	Ranney Well Generator Relocate	A	175,000	-	175,000	-	-	-	-	-	-
WT0419	Decant Facility at Transfer Station - Water Soils Decant Bays	A	800,000	6,500	28,500	765,000	-	-	-	-	-
WT0218	Reservoir Instrumentation Repairs	1	246,100	2,100	44,000	200,000	-	-	-	-	-
WT0619	Peabody Reservoir Inlet Pipe Replacement	2	340,000	-	40,000	300,000	-	-	-	-	-
WT0321	Facility Assessment (NEW)	3	8,000	-	8,000	-	-	-	-	-	-
WT0221	Race Street Water Main Replacement South (NEW)	4	637,000	-	637,000	-	-	-	-	-	-
WT0121	White Creek & 3rd St Crossing Main (NEW)	5	400,000	-	-	400,000	-	-	-	-	-
WT0421	Race Street Water Main Replacement North (NEW)	6	125,000	-	125,000	-	-	-	-	-	-
WT0519	Water Treatment Plant Repairs	7	180,000	-	60,000	120,000	-	-	-	-	-
WT0319	Ground Water Resiliency Program	8	1,275,000	-	-	200,000	275,000	600,000	200,000	-	-
WT0420	Ennis Creek Water Main Relocate	9	200,000	-	-	200,000	-	-	-	-	-
WT0111	Liberty Street Water Main	10	485,700	15,700	-	-	-	470,000	-	-	-
WT0512	East 4th Street Water Main	11	472,000	-	-	-	-	472,000	-	-	-
WT0212	East 6th Street Water Main	12	340,000	-	-	-	-	-	340,000	-	-
WT0612	3rd & Vine Street Main	13	360,000	-	-	-	360,000	-	-	-	-
WT0219	Peabody Heights Floating Cover Replacement	14	400,000	-	-	-	-	200,000	200,000	-	-
WT0412	West 4th Street Water Main	15	1,500,000	-	-	-	-	-	-	1,500,000	-
WT0320	Morse Creek Transmission Main Eval/Design	UF	400,000	-	-	-	-	-	-	-	-
WT0120	Water System SCADA Upgrade (Accomplished W/Service TSI)	UF	650,000	-	-	-	-	-	-	-	-
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>29,036,600</b>	<b>140,600</b>	<b>1,167,500</b>	<b>2,235,000</b>	<b>685,000</b>	<b>1,792,000</b>	<b>790,000</b>	<b>1,550,000</b>	<b>50,000</b>

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded

CASH FLOW ANALYSIS	2021	2022	2023	2024	2025	2026	2027
Beginning Cash Balance	4,460,403	3,942,903	2,432,903	2,547,903	1,630,903	1,790,903	1,265,903
<b>Funding sources:</b>							
Water Rates	650,000	725,000	800,000	875,000	950,000	1,025,000	750,000
Grants							
Bonds/Interest/Other							
General Fund							
Donations							
Other Funds							
<b>Spending:</b>							
Project Costs	(1,167,500)	(2,235,000)	(685,000)	(1,792,000)	(790,000)	(1,550,000)	(50,000)
<b>Ending Cash Balance</b>	<b>3,942,903</b>	<b>2,432,903</b>	<b>2,547,903</b>	<b>1,630,903</b>	<b>1,790,903</b>	<b>1,265,903</b>	<b>1,965,903</b>
<b>Depreciation</b>	<b>1,745,307</b>	<b>1,766,904</b>	<b>1,838,507</b>	<b>1,842,289</b>	<b>1,866,604</b>	<b>1,916,506</b>	<b>1,900,469</b>
<b>Depreciation to Cash Ratio</b>	<b>2.26</b>	<b>1.38</b>	<b>1.39</b>	<b>0.89</b>	<b>0.96</b>	<b>0.66</b>	<b>1.03</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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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: \$466,300**



**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 750-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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
Design								
Construction		175,000						
<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	2021	2022	2023	2024	2025	2026	2027
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 \$800,000 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 Solid Waste, Stormwater and Wastewater portions of the facility, the utilities are contributing (\$478,000 SW0112), (\$1,000,000 DR0120), & (\$600,000 WW0519) respectively.



**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Water Fund	\$ 6,500	\$ 28,500	\$ 765,000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 6,500</b>	<b>\$ 28,500</b>	<b>\$ 765,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design	6,500	28,500						
Construction			765,000					
<b>TOTAL</b>	<b>\$ 6,500</b>	<b>\$ 28,500</b>	<b>\$ 765,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$800,000**



**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 include the installation of new PLCs, instrumentation, monitoring equipment, security systems, and other devices such as ShakeAlert earthquake early warning systems which automatically initiate isolation actions which in turn saves potable water for first responders and for long-term drinking supply.

**JUSTIFICATION:**

Much of the existing monitoring equipment at the City's reservoirs is out of date, communications equipment has been recently upgraded, but the corresponding SCADA 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

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Water Fund	\$ 2,100	\$ 44,000	\$ 200,000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 2,100</b>	<b>\$ 44,000</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design		44,000						
Construction	2,100		200,000					
<b>TOTAL</b>	<b>\$ 2,100</b>	<b>\$ 44,000</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$ 246,100**



**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. Asset evaluation and inspection schedule for 2021, valve replacement and other construction activity 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Water Fund		\$ 40,000	\$ 300,000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 40,000</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design		40,000						
Construction			300,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 40,000</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:**  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:**



### ABOUT THE PROJECT:

Perform a topographic survey and utilization review of the Public Works Corp Yard to evaluate upgrade alternatives and optimize the use of the facility. This project represents the Water utility's contribution to the overall effort. Equal contributions from each utility including Solid Waste (SW0221), Stormwater (DR0121), Wastewater (WW0121), and from the Transportation fund (TR0821) in the amount of \$8,000 to equal a total amount of \$40,000.

### JUSTIFICATION:

Public Works must continue delivering essential services to the community in an efficient and timely manner while also meeting all regulatory minimum standards. The Corp Yard is approximately 40 years old and operational needs have evolved since its inception. This comprehensive review effort will provide management with the necessary information to assess current utilization, optimize ongoing logistics and use of the site, and will include a future needs assessment to begin the planning for necessary upgrades to meet the needs of the community.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Water Fund		\$ 8,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 8,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design		8,000						
Construction								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 8,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$ 8,000**



# RACE STREET WATER MAIN REPLACEMENT SOUTH WT0221

**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.104562, -123.426072  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 50 YEARS



## ABOUT THE PROJECT:

This project replaces 2,300 LF of 6" Asbestos Concrete Water Main on Race St. between 8th Street and Park St. with a new 8" Ductile Iron water-main, also renews service lines and sub-mains at street crossings on East 8th and East 10th.

## JUSTIFICATION:

A recent water main break on Race Street between Lauridsen Blvd and Park St. has highlighted the vulnerability of this asset to the City. The Original AC Pipe was installed in 1956, but doesn't have a long history of repairs. The goal of this project would be to time the replacement of this asset with the construction of the Race Street Complete Design and Construction Phase 1, a capital improvement on the Transportation CFP. The Utility is concerned that future repairs following the completion of the Race Street Complete Design and Construction Phase 1, would be at a greater expense and could damage the newly paved Race Street Corridor.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund		\$ 637,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 637,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design		94,000						
Construction		543,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 637,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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>

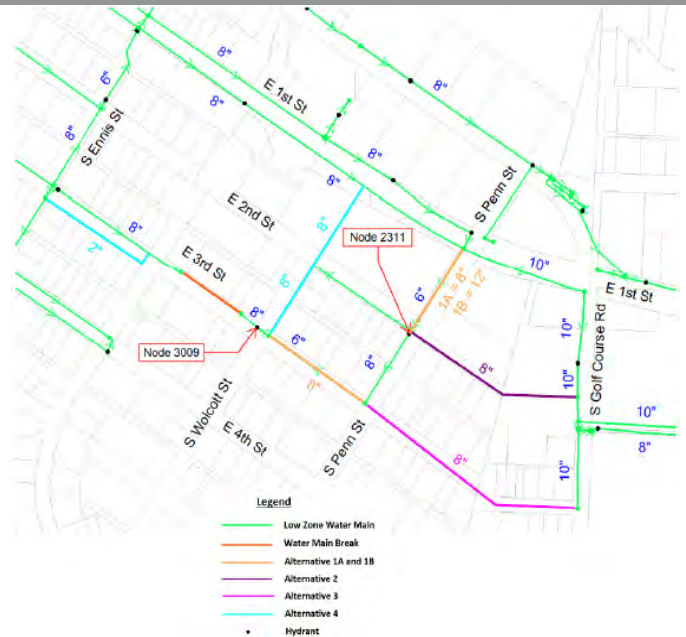
**ESTIMATED TOTAL PROJECT COST: \$ 637,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.106395, -123.408495  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 50 YEARS

### ABOUT THE PROJECT:

There are several alternative methods of restoring fire flow to the affected hydrants. The cost/benefit of each alternative should be evaluated. Options range from simple replacement of the damaged creek crossing, to alternative pipe alignments which restore flow rates without working in the creek.



### JUSTIFICATION:

An 8" water main under White Creek was damaged during the December 21 rain fall event. Water Operations isolated the damaged section on both sides of the creek. Water system modeling has indicated that the inactive creek crossing has negatively impacted the fire flow rating of two fire hydrants. One on 3rd & Wolcott and the other on 2nd & Penn.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN						
			2022	2023	2024	2025	2026	2027	
Reserves Water 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	2021	2022	2023	2024	2025	2026	2027
Design			100,000					
Construction			300,000					
<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>

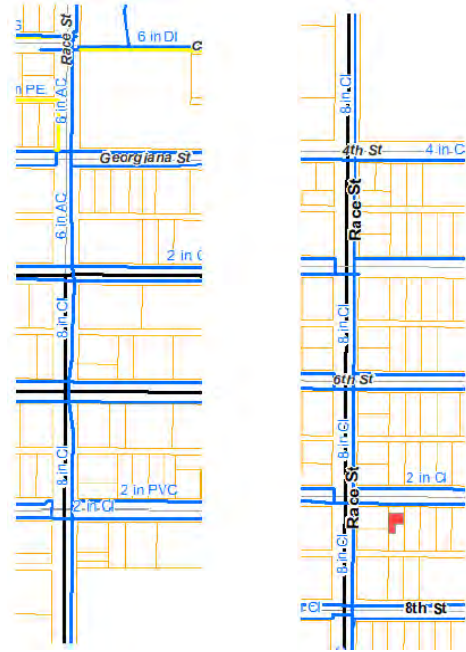
OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

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



# RACE STREET WATER MAIN REPLACEMENT NORTH WT0421

**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.104562, -123.426072  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 50 YEARS



## ABOUT THE PROJECT:

This project replaces 3400 LF of 8" Cast Iron and 6" Asbestos Concrete Water Main on Race St. between 8th Street and Caroline St. with a new 10" Ductile Iron water-main, also renews service lines and sub-mains at street crossings. \$125,000 funded for design in 2021, Construction currently unfunded.

## JUSTIFICATION:

A recent water main break on Race Street between Lauridsen Blvd and Park St. has highlighted the vulnerability of this asset to the City. The goal of this project would be to time the replacement of this asset with the construction of the Race Street Complete Design and Construction Phase North, a capital improvement on the Transportation CFP. The Utility is concerned that future repairs following the completion of the Race Street Complete Design and Construction Phase North, would be at a greater expense and could damage the newly paved Race Street Corridor.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Water Fund		\$ 125,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<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>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design		125,000						
Construction								
<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	2021	2022	2023	2024	2025	2026	2027
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: \$ 125,000**



**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 2021	CAPITAL FACILITIES PLAN						
			2022	2023	2024	2025	2026	2027	
Reserves Utilities Fund		\$ 60,000	\$ 120,000						
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 60,000</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	2021	2022	2023	2024	2025	2026	2027
Design		60,000						
Construction			120,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 60,000</b>	<b>\$ 120,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

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: \$180,000**



**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Water Fund			\$ 200,000	\$ 275,000	\$ 600,000	\$ 200,000		
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 275,000</b>	<b>\$ 600,000</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design			200,000					
Construction				275,000	600,000	200,000		
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 275,000</b>	<b>\$ 600,000</b>	<b>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$1,275,000**



**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities 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>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	15,700				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	2021	2022	2023	2024	2025	2026	2027
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**



**PROJECT STATUS:** PLANNING  
**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>\$ 472,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction					472,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 472,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>\$ 340,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction						340,000		
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 340,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** 48.114239002, -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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Water Fund				\$ 360,000				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 360,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction				360,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 360,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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**



# 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
Design								
Construction					200,000	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>

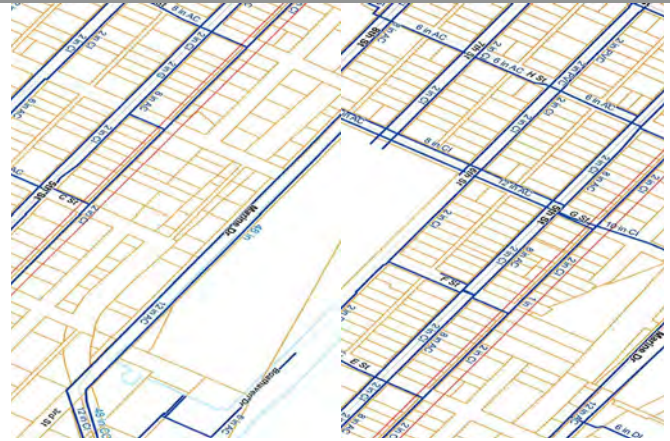
  

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

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



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>\$ 1,500,000</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
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>\$ 1,500,000</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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.

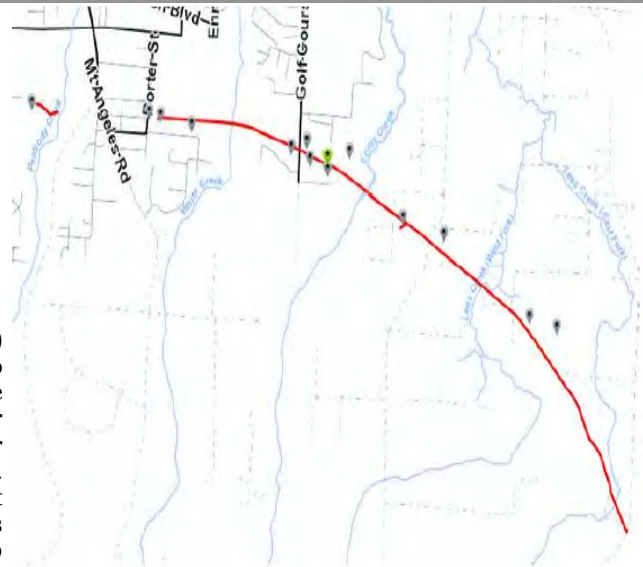
## MORSE CREEK TRANSMISSION MAIN EVALUATION/DESIGN

WT0320

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.098623, -123.410069  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 60 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$ 400,000

### 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.

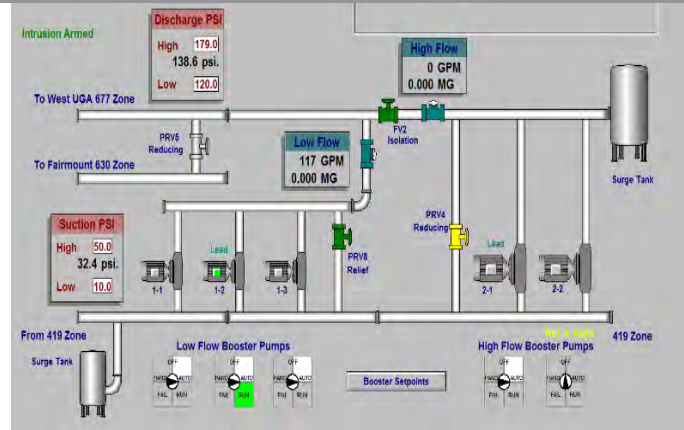


### JUSTIFICATION:

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.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.125827, -123.520709  
**PROJECT MANAGER:** LUCIO BAACK  
**ESTIMATED LIFE:** 25 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$ 650,000



## ABOUT THE PROJECT:

TSI is currently working on the SCADA merger for ELWHA and PAWTP. IT is currently working on the infrastructure and software. 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.



**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.



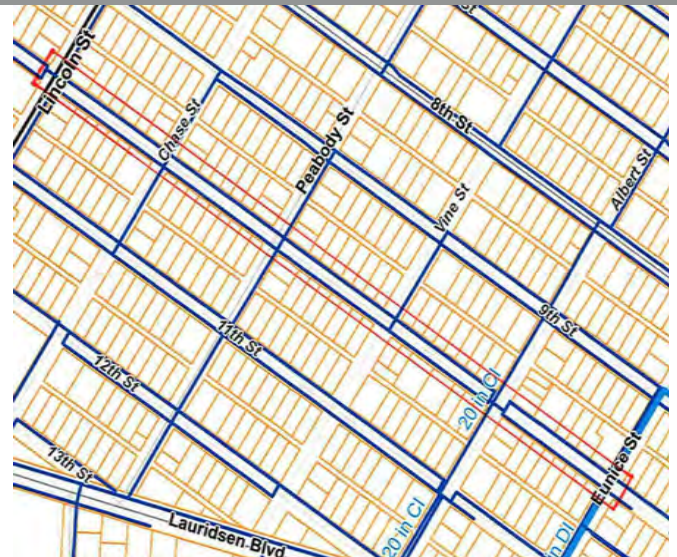
**JUSTIFICATION:**

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.

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** FAIR  
**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.

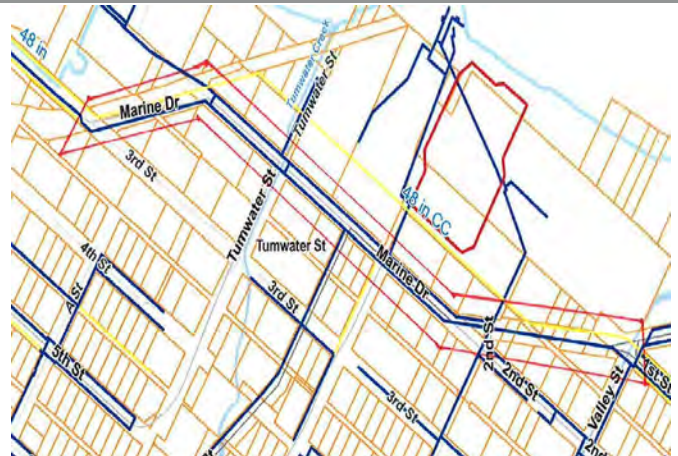


**JUSTIFICATION:**

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



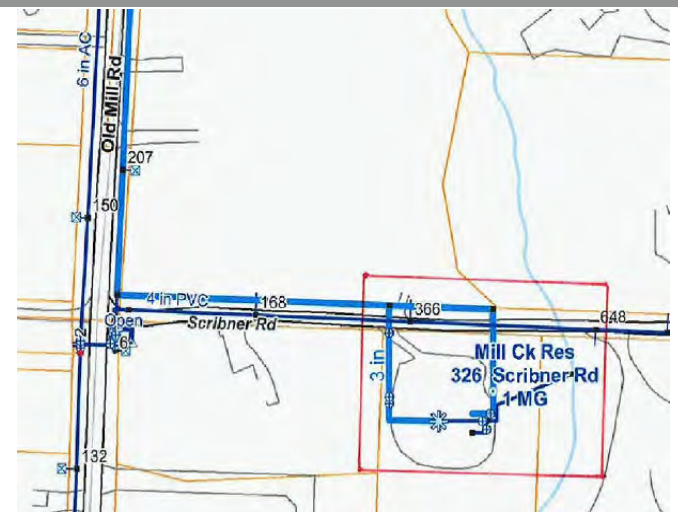
**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.119790232, -123.440923691  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$1,500,000



**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:** 48.0872, -123.4393  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$3,400,000

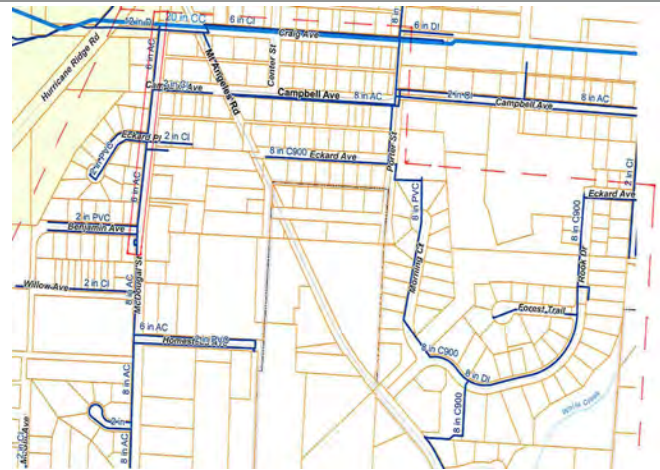


**ABOUT THE PROJECT:**  
 Build a new storage reservoir adjacent to the existing Mill Creek reservoir. The City intends to maximize use of its adjacent reservoir site to the extent practical, which could result in a reservoir of 1.5 MG or more.

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



**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

**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.

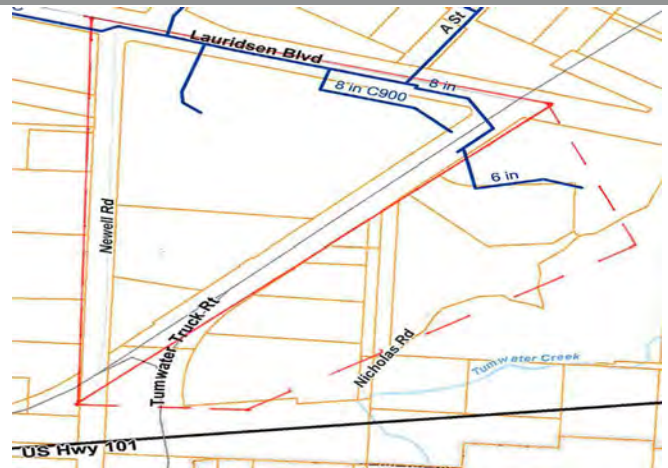
# TUMWATER TRUCK ROUTE COMMERCIAL FIRE FLOW (LID)

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:

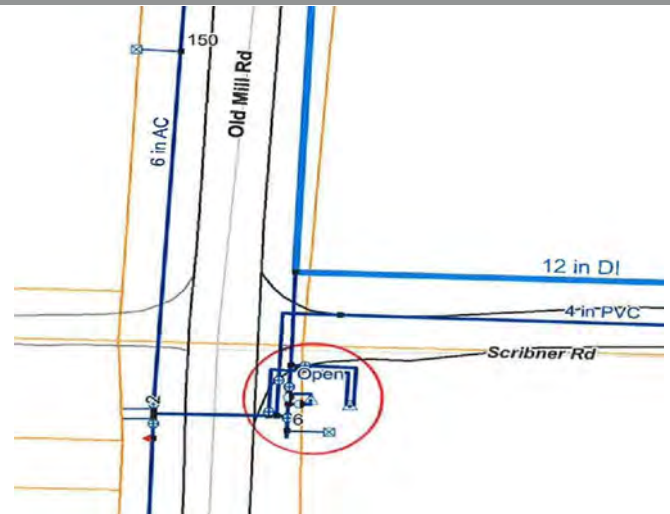
Current available flows are not sufficient to maintain fire protection in the area for planned commercial expansion.



**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.



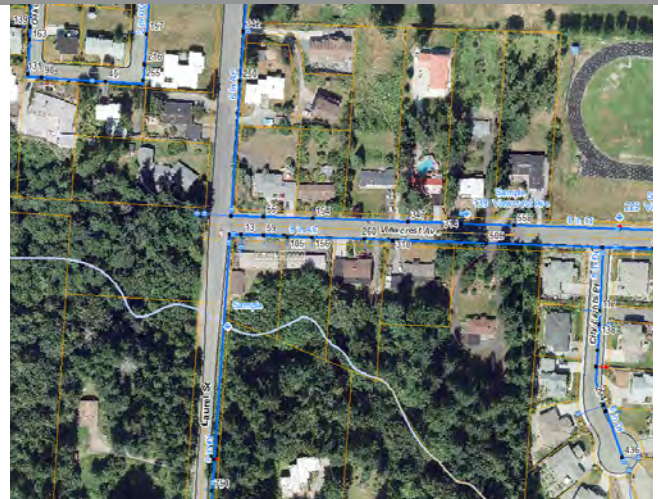
**JUSTIFICATION:**

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.

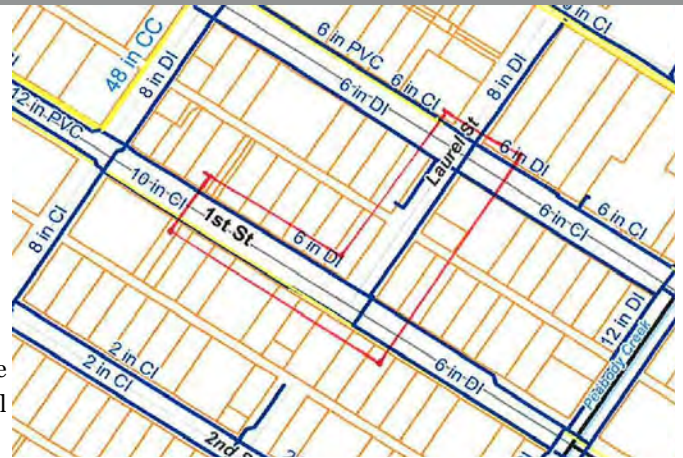


**JUSTIFICATION:**

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.



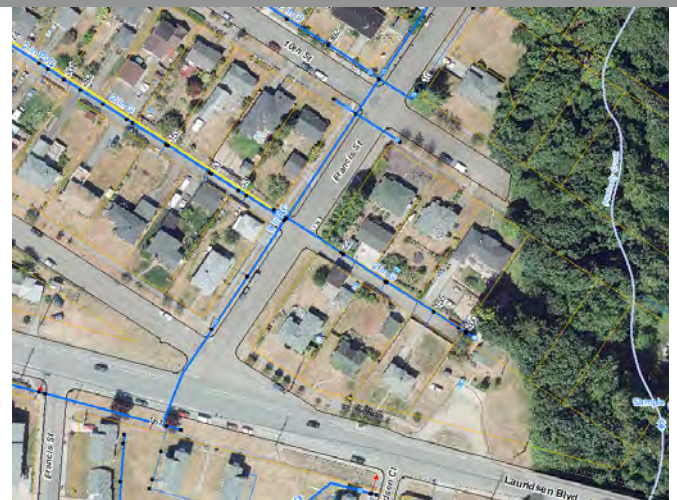
**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.1190, -123.4335  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$384,000



**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.

**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.



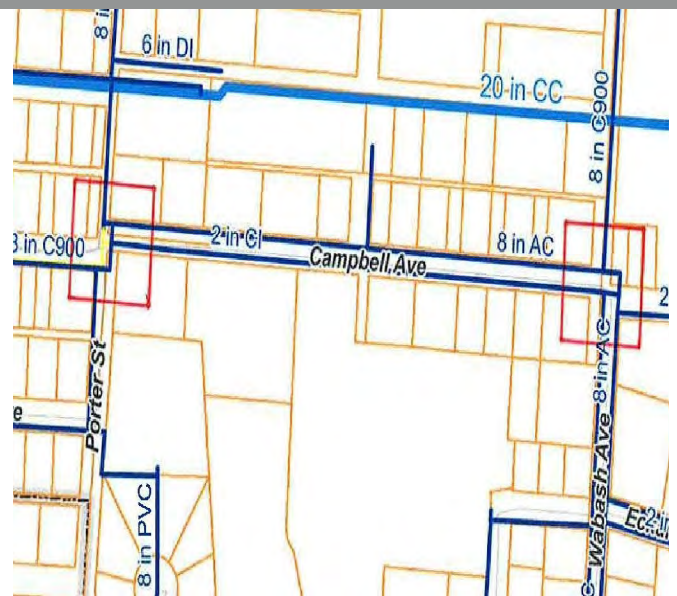
**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.1147, -123.4374  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$641,000



**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.



# ST ANDREWS PLACE FIRE FLOW LOOP

WT0817

**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.



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:

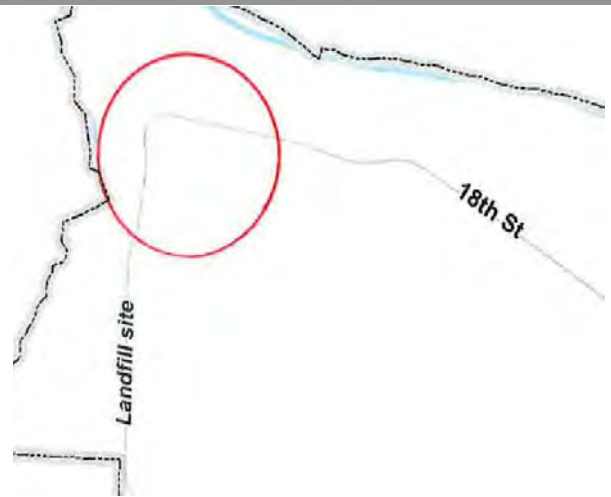
This project will increase fire flow capacity for nearby businesses. This project was a result of the Water System Plan Update modeling.



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



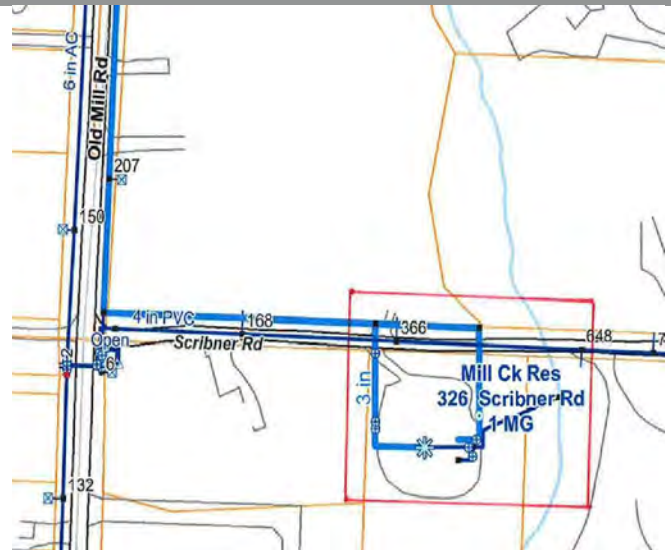
**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.1317, -123.5177  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$480,500



**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:** 48.1101, -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.



# WASTEWATER



# WASTEWATER FUND CAPITAL FACILITY PLAN

CFP YEAR: 2022 - 2027  
 MANAGER: JONATHAN BOEHME  
 CONTACT: JBOEHME@CITYOFPA.US  
 PHONE: 360-417-4803

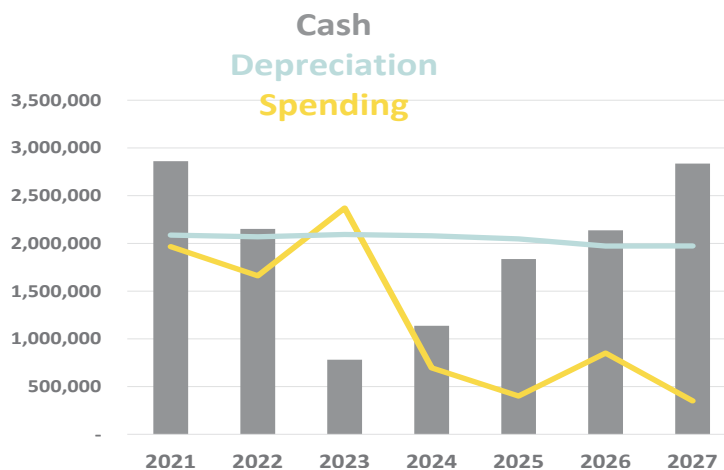
## WASTEWATER FUND GOALS AND OBJECTIVES:

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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Wastewater Capital Reserves	\$ 1,291,000	1,966,000	1,660,000	2,370,000	695,000	400,000	850,000	400,000
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 1,291,000</b>	<b>\$ 1,966,000</b>	<b>\$ 1,660,000</b>	<b>\$ 2,370,000</b>	<b>\$ 695,000</b>	<b>\$ 400,000</b>	<b>\$ 850,000</b>	<b>\$ 400,000</b>

EXPENDITURES	Prior	2021	2022	2023	2024	2025	2026	2027
Design	6,500	86,500	420,000	-	50,000	15,000	15,000	15,000
Construction	1,284,500	1,879,500	1,240,000	2,370,000	645,000	385,000	835,000	335,000
<b>TOTAL</b>	<b>\$ 1,291,000</b>	<b>\$ 1,966,000</b>	<b>\$ 1,660,000</b>	<b>\$ 2,370,000</b>	<b>\$ 695,000</b>	<b>\$ 400,000</b>	<b>\$ 850,000</b>	<b>\$ 350,000</b>

OTHER OPERATING COSTS	Prior	2021	2022	2023	2024	2025	2026	2027
Labor								
Supplies								
Communications								
Depreciation		8,000	75,400	119,700	170,500	210,200	209,300	219,900
Other								
Maintenance projects								
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 8,000</b>	<b>\$ 75,400</b>	<b>\$ 119,700</b>	<b>\$ 170,500</b>	<b>\$ 210,200</b>	<b>\$ 209,300</b>	<b>\$ 219,900</b>



# WASTEWATER PROJECT LIST & CASH FLOW

					CAPITAL FACILITIES PLAN						
Number	WASTEWATER PROJECTS Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2021	2022	2023	2024	2025	2026	2027
<b>WASTEWATER</b>											
CAPWW	General Wastewater Equipment	R	709,400	288,900	120,500	50,000	50,000	50,000	50,000	50,000	50,000
WW0308	Pump Station #3 Replacement	A	1,479,600	982,100	497,500	-	-	-	-	-	-
WW0319	Wastewater Comprehensive Plan	A	300,000	-	300,000	-	-	-	-	-	-
WW0618	2019 Neighborhood Sewer Rehab	A	300,000	13,500	286,500	-	-	-	-	-	-
WW0718	2020 Neighborhood Sewer Rehabilitation	A	300,000	-	300,000	-	-	-	-	-	-
WW0818	2021 Neighborhood Sewer Rehabilitation	A	300,000	-	300,000	-	-	-	-	-	-
WW0519	Decant Facility at Transfer Station - Wastewater Soils Decant Ba	A	600,000	6,500	28,500	565,000	-	-	-	-	-
WW0220	West 4th Street Capacity Improvement	1	500,000	-	75,000	425,000	-	-	-	-	-
WW0120	Pump Station 3 Force Main Replacement	2	2,250,000	-	-	250,000	2,000,000	-	-	-	-
WW0420	WWTP Potable Water Air-Gap	3	150,000	-	50,000	100,000	-	-	-	-	-
WW0320	WWTP Septic Truck Pad Repair	4	120,000	-	-	20,000	100,000	-	-	-	-
WW0121	Facility Assessment	5	8,000	-	8,000	-	-	-	-	-	-
WW0520	Sanitary Force Main Relocate (Lees Creek)	6	200,000	-	-	200,000	-	-	-	-	-
WW0508	Digester Mixing Improvement WWTP	7	600,000	-	-	50,000	150,000	400,000	-	-	-
WW0516	WWTP Boiler Replacement	8	115,000	-	-	-	45,000	70,000	-	-	-
WW0419	WWTP HVAC Replacement	9	200,000	-	-	-	25,000	175,000	-	-	-
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	2025 Neighborhood Sewer Rehabilitation	12	300,000	-	-	-	-	-	300,000	-	-
WW1018	2026 Neighborhood Sewer Rehabilitation	13	300,000	-	-	-	-	-	-	300,000	-
WW1118	2027 Neighborhood Sewer Rehabilitation	14	300,000	-	-	-	-	-	-	-	300,000
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	-	-	-	-	-	-	-	-
WW0221	Pump Station #17 Improvements	UF	-	-	-	-	-	-	-	-	-
<b>Total</b>			<b>\$ 16,582,000</b>	<b>\$ 1,291,000</b>	<b>\$ 1,966,000</b>	<b>\$ 1,660,000</b>	<b>\$ 2,370,000</b>	<b>\$ 695,000</b>	<b>\$ 400,000</b>	<b>\$ 850,000</b>	<b>\$ 350,000</b>

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded

CASH FLOW ANALYSIS	2021	2022	2023	2024	2025	2026	2027
Beginning Cash Balance	3,927,128	2,861,128	2,151,128	781,128	1,136,128	1,836,128	2,136,128
<b>Funding sources:</b>							
Wastewater Rates	900,000	950,000	1,000,000	1,050,000	1,100,000	1,150,000	1,050,000
Grants							
Bonds/Interest/Other							
General Fund							
Donations							
Other Funds							
<b>Spending:</b>							
Project Costs	(1,966,000)	(1,660,000)	(2,370,000)	(695,000)	(400,000)	(850,000)	(350,000)
<b>Ending Cash Balance</b>	<b>2,861,128</b>	<b>2,151,128</b>	<b>781,128</b>	<b>1,136,128</b>	<b>1,836,128</b>	<b>2,136,128</b>	<b>2,836,128</b>
<b>Depreciation</b>	<b>2,087,263</b>	<b>2,069,438</b>	<b>2,093,298</b>	<b>2,079,963</b>	<b>2,046,664</b>	<b>1,972,033</b>	<b>1,973,306</b>
<b>Depreciation to Cash Ratio</b>	<b>1.37</b>	<b>1.04</b>	<b>0.37</b>	<b>0.55</b>	<b>0.90</b>	<b>1.08</b>	<b>1.44</b>

PROJECTS COMPLETED IN 2020	Actual	Budget
CAPWW Misc Pumps for WWTP	21,586	126,000
<b>TOTAL COMPLETED PROJECTS</b>	<b>21,586</b>	<b>126,000</b>

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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Wastewater Fund	\$ 288,900	\$ 120,500	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 288,900</b>	<b>\$ 120,500</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	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	288,900	120,500	50,000	50,000	50,000	50,000	50,000	50,000
<b>TOTAL</b>	<b>\$ 288,900</b>	<b>\$ 120,500</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	2021	2022	2023	2024	2025	2026	2027
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: \$709,400**



**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Wastewater Fund	\$ 982,100	\$ 497,500						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 982,100</b>	<b>\$ 497,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	982,100	497,500						
<b>TOTAL</b>	<b>\$ 982,100</b>	<b>\$ 497,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
Design								
Construction		300,000						
<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	2021	2022	2023	2024	2025	2026	2027
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:** 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Wastewater Fund	\$ 13,500	\$ 286,500						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 13,500</b>	<b>\$ 286,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	13,500	286,500						
<b>TOTAL</b>	<b>\$ 13,500</b>	<b>\$ 286,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
Design								
Construction		300,000						
<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	2021	2022	2023	2024	2025	2026	2027
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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
Design								
Construction		300,000						
<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	2021	2022	2023	2024	2025	2026	2027
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 \$600,000 contribution toward SW012 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 & construction of Solid Waste, Stormwater and Water portions of the facility, the utilities are contributing (\$478,000 SW012) , (\$1,000,000 DR0120), & (\$800,000 WTo419) respectively.

## 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Wastewater Fund	\$ 6,500	\$ 28,500	\$ 565,000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 6,500</b>	<b>\$ 28,500</b>	<b>\$ 565,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design	6,500	28,500						
Construction			565,000					
<b>TOTAL</b>	<b>\$ 6,500</b>	<b>\$ 28,500</b>	<b>\$ 565,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Wastewater Fund		\$ 75,000	\$ 425,000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 75,000</b>	<b>\$ 425,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction		75,000	425,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 75,000</b>	<b>\$ 425,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** 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. Project Team will attempt to coordinate/since this construction effort with the Stormwater Utility H Street Outfall - DR0213.

## 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Wastewater Fund			\$ 250,000	\$ 2,000,000				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 250,000</b>	<b>\$ 2,000,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design			250,000					
Construction				2,000,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 250,000</b>	<b>\$ 2,000,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$ 2,250,000**



**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Wastewater Fund		\$ 50,000	\$ 100,000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design		50,000						
Construction			100,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

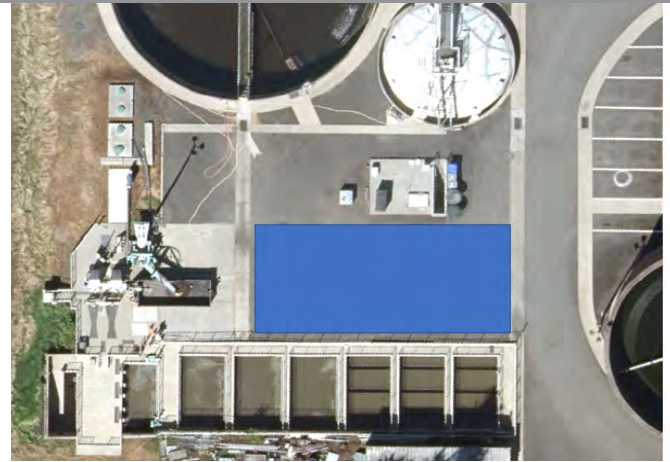
  

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

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



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.111857, -123.403422  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 50 YEARS



### 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.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Wastewater Fund			\$ 20,000	\$ 100,000				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 20,000</b>	<b>\$ 100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design			20,000					
Construction				100,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 20,000</b>	<b>\$ 100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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**



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



### ABOUT THE PROJECT:

Perform a topographic survey and utilization review of the Public Works Corp Yard to evaluate upgrade alternatives and optimize the use of the facility. This project represents the Wastewater utility's contribution to the overall effort. Equal contributions from each utility including Solid Waste (SW0221), Stormwater (DR0121), Water (WT0321), and from the Transportation fund (TR0821) in the amount of \$8,000 to equal a total amount of \$40,000.

### JUSTIFICATION:

Public Works must continue delivering essential services to the community in an efficient and timely manner while also meeting all regulatory minimum standards. The Corp Yard is approximately 40 years old and operational needs have evolved since its inception. This comprehensive review effort will provide management with the necessary information to assess current utilization, optimize ongoing logistics and use of the site, and will include a future needs assessment to begin the planning for necessary upgrades to meet the needs of the community.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Water Fund		\$ 8,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 8,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design		8,000						
Construction								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 8,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$ 8,000**



# 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 Lees 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Wastewater 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>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** 48.111766, -123.402773  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 25 YEARS



**ABOUT THE PROJECT:**

Replacement of the air mixing system in the two digesters with draft tube mixers that utilize a pump system to mix the contents of the digesters. Work would include draining, cleaning and inspection of the digester floating cover.

**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%. The digesters will be drained, cleaned, and inspected for damage during the mixing project.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
Design				150,000				
Construction			50,000		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	2021	2022	2023	2024	2025	2026	2027
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:** 48.111766, -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 at a different site. 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** 48.111766, -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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Wastewater Fund				\$ 25,000	\$ 175,000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 175,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction				25,000	175,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 175,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** 48.120734, -123.434538  
**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 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Wastewater Fund						\$ 25,000	\$ 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>\$ 25,000</b>	<b>\$ 250,000</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design						25,000		
Construction							250,000	
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 250,000</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** 48.119151, -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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Wastewater Fund						\$ 25,000	\$ 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>\$ 25,000</b>	<b>\$ 250,000</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design						25,000		
Construction							250,000	
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 25,000</b>	<b>\$ 250,000</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
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>\$ 0</b>	<b>\$ 300,000</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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 2021	CAPITAL FACILITIES PLAN						
			2022	2023	2024	2025	2026	2027	
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>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
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>\$ 0</b>	<b>\$ 0</b>	<b>\$ 300,000</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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**



# 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.

**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

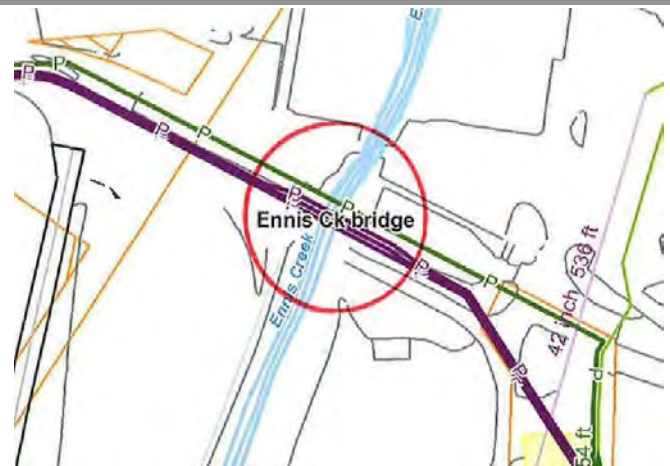


**ABOUT THE PROJECT:**  
Replace two original 75 HP blowers with 50 HP blowers, the City will keep one existing 75 HP blower for backup. Estimated annual savings of \$12,000 per year for reduction of electric usage when the project is funded.

**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.

# WASTE ACTIVATED SLUDGE THICKENING WWTP

**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.



**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.

**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:** 48.091064, -123.425336  
**PROJECT MANAGER:** ROB FELLER  
**ESTIMATED LIFE:** 25 YEARS  
**ESTIMATED TOTAL PROJECT COST:** UNKNOWN

**ABOUT THE PROJECT:**

The project will address capacity issues at Pump Station 17.

**JUSTIFICATION:**

Failure to improve the pump station and pipelines which have limited capacity will continue to cause pump station inefficiencies.



# COMBINED SEWER OVERFLOW



# CSO FUND CAPITAL FACILITY PLAN

CFP YEAR: 2022 - 2027  
 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>\$ 190,000</b>	<b>\$ 15,000</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2021	2022	2023	2024	2025	2026	2027
Design	-	-	15,000	-	-	-	-	-
Construction	43,400	190,000	-	150,000	-	-	-	-
<b>TOTAL</b>	<b>\$ 43,400</b>	<b>\$ 190,000</b>	<b>\$ 15,000</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2021	2022	2023	2024	2025	2026	2027
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	7,600	7,600	14,200	14,200	14,200	14,200
Debt payments	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,600</b>	<b>\$ 7,600</b>	<b>\$ 14,200</b>	<b>\$ 14,200</b>	<b>\$ 14,200</b>	<b>\$ 14,200</b>

Other operating costs include reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



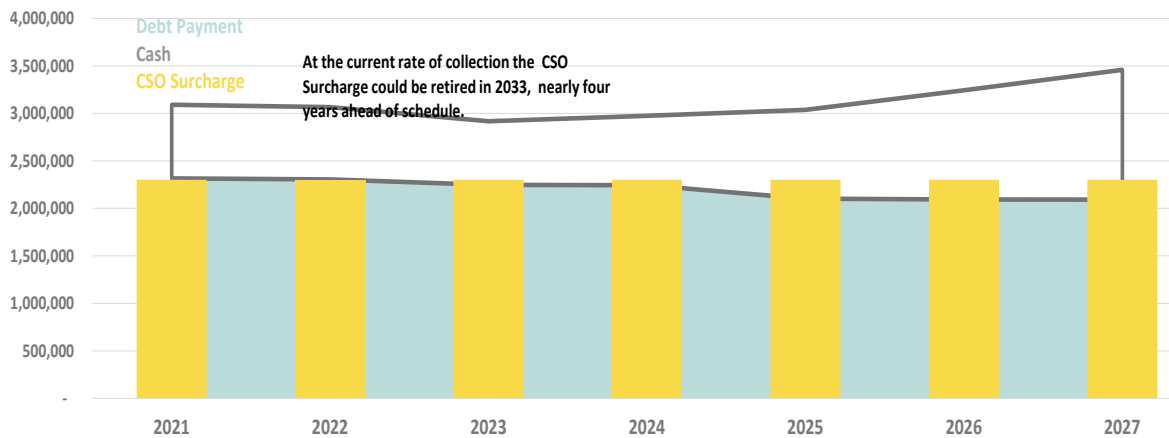
# COMBINED SEWER OVERFLOW PROJECT LIST & CASH FLOW

Number	CSO PROJECTS Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
						2022	2023	2024	2025	2026	2027
<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>190,000</b>	<b>15,000</b>	<b>150,000</b>	-	-	-	-

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded

CASH FLOW ANALYSIS	2021	2022	2023	2024	2025	2026	2027
Beginning Cash Balance	918,257	774,057	760,457	668,657	730,757	935,157	1,149,857
<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	60,300	4,600	4,600	4,000	4,400	5,600	6,900
<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)	2,316,400	2,305,100	2,248,300	2,243,800	2,101,900	2,092,800	2,092,100
Project costs	190,000	15,000	150,000	-	-	-	-
<b>Ending Cash Balance</b>	<b>774,057</b>	<b>760,457</b>	<b>668,657</b>	<b>730,757</b>	<b>935,157</b>	<b>1,149,857</b>	<b>1,366,557</b>

Funding for CSO projects is included in the Wastewater projects cash flow.



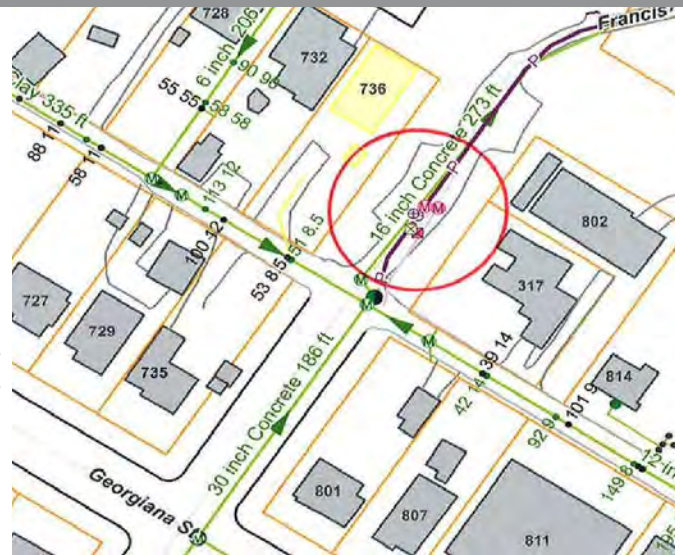
Cash Balance continues to grow allowing for the surcharge to be discontinued early.



**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves CSO 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	2021	2022	2023	2024	2025	2026	2027
Design								
Construction		190,000						
<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	2021	2022	2023	2024	2025	2026	2027
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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>\$ 15,000</b>	<b>\$ 150,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design			15,000					
Construction	43,400			150,000				
<b>TOTAL</b>	<b>\$ 43,400</b>	<b>\$ 0</b>	<b>\$ 15,000</b>	<b>\$ 150,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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



2022 - 2027  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN

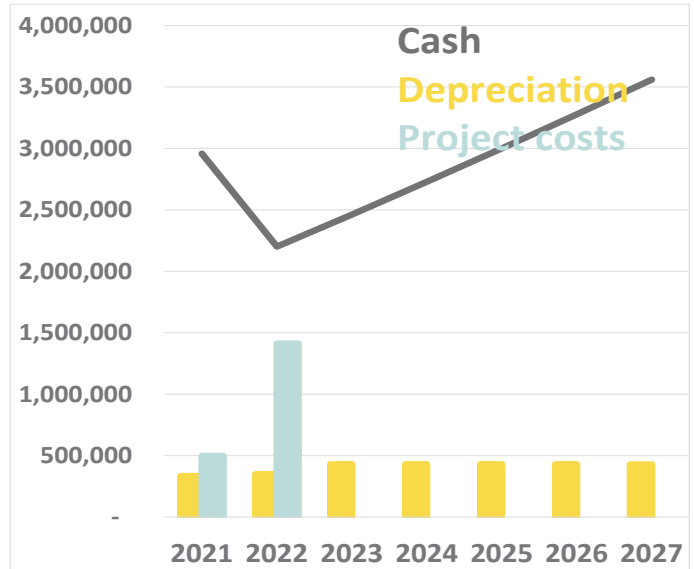


# SOLID WASTE



# SOLID WASTE FUND CAPITAL FACILITY PLAN

CFP YEAR: 2022 - 2027  
 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Solid Waste Reserves	\$ 11,900	\$ 341,000	\$ 1,032,700	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	19,700	76,500	378,100	-	-	-	-	-
Bonds use of excess bonds	80,000	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 111,600</b>	<b>\$ 417,500</b>	<b>\$ 1,410,800</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2021	2022	2023	2024	2025	2026	2027
Design	31,600	237,500	-	-	-	-	-	-
Construction	-	260,000	1,410,800	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 31,600</b>	<b>\$ 497,500</b>	<b>\$ 1,410,800</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2021	2022	2023	2024	2025	2026	2027
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation/ amortization	-	333,900	348,100	429,400	429,400	429,400	429,400	428,000
Other	-	-	-	-	-	-	-	-
Debt payment	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 333,900</b>	<b>\$ 348,100</b>	<b>\$ 429,400</b>	<b>\$ 429,400</b>	<b>\$ 429,400</b>	<b>\$ 429,400</b>	<b>\$ 428,000</b>



# SOLID WASTE PROJECT LIST & CASH FLOW

SOLID WASTE PROJECTS						CAPITAL FACILITIES PLAN					
Number	Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2021	2022	2023	2024	2025	2026	2027
SW0112	Decant Facility at Transfer Station	A	966,900	31,600	154,500	780,800	-	-	-	-	-
SW0117	Landfill Operating Software	A	200,000	-	200,000	-	-	-	-	-	-
SW0120	Landfill Pump Station 17 Repair	1	250,000	-	75,000	175,000	-	-	-	-	-
SW0121	Landfill Access Road Repair	2	515,000	-	60,000	455,000	-	-	-	-	-
SW0221	Facility Assessment	3	8,000	-	8,000	-	-	-	-	-	-
SW0321	Landfill Access Road Repair - Phase 2	UF	-	-	-	-	-	-	-	-	-
SW0218	Landfill Security Fencing	UF	200,000	-	-	-	-	-	-	-	-
<b>Total</b>			<b>2,139,900</b>	<b>31,600</b>	<b>497,500</b>	<b>1,410,800</b>	-	-	-	-	-

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded

CASH FLOW ANALYSIS	2021	2022	2023	2024	2025	2026	2027
Beginning Cash Balance	3,093,654	2,957,654	2,200,854	2,461,954	2,729,354	3,000,654	3,277,154
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	76,500	378,100	-	-	-	-	-
Bonds (net used & paid)	(1,194,000)	(1,194,300)	(1,193,900)	(1,192,800)	(1,194,300)	(1,194,500)	(1,193,800)
General Fund	-	-	-	-	-	-	-
Donations	-	-	-	-	-	-	-
Interest Income	68,000	59,200	44,000	49,200	54,600	60,000	65,500
<b>Spending:</b>							
Project Cost	(497,500)	(1,410,800)	-	-	-	-	-
<b>Ending Cash Balance</b>	<b>2,957,654</b>	<b>2,200,854</b>	<b>2,461,954</b>	<b>2,729,354</b>	<b>3,000,654</b>	<b>3,277,154</b>	<b>3,559,854</b>
<b>Depreciation</b>	<b>333,927</b>	<b>348,061</b>	<b>429,404</b>	<b>429,404</b>	<b>429,404</b>	<b>429,404</b>	<b>427,962</b>
<b>Cash/Depreciation</b>	<b>8.86</b>	<b>6.32</b>	<b>5.73</b>	<b>6.36</b>	<b>6.99</b>	<b>7.63</b>	<b>8.32</b>

PROJECTS COMPLETED IN 2020	Actual	Budget
No projects completed in 2020		
<b>TOTAL COMPLETED PROJECTS</b>	<b>-</b>	<b>-</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 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 2021 budget. Only the stormwater portions of the facility are grant eligible, in order to fund design & construction of Water, Stormwater and Wastewater portions of the facility, the utilities are contributing (\$800,000 WT0419) , (\$1,000,000 DR0120), & (\$600,000 WW0519) respectively.

### 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Solid Waste Fund	\$ 11,900	\$ 78,000	\$ 402,700					
Grants	19,700	76,500	378,100					
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 31,600</b>	<b>\$ 154,500</b>	<b>\$ 780,800</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design	31,600	119,500						
Construction		35,000	780,800					
<b>TOTAL</b>	<b>\$ 31,600</b>	<b>\$ 154,500</b>	<b>\$ 780,800</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$966,900**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.125838, -123.51828  
**PROJECT MANAGER:** ERIC WHEATLEY  
**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
Other								
	<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:** 48.131246, -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 (estimated cost \$70,000). 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 2021	CAPITAL FACILITIES PLAN						
			2022	2023	2024	2025	2026	2027	
Reserves Utilities Fund		\$ 75,000	\$ 175,000						
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 75,000</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	2021	2022	2023	2024	2025	2026	2027
Design		50,000						
Construction		25,000	175,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 75,000</b>	<b>\$ 175,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

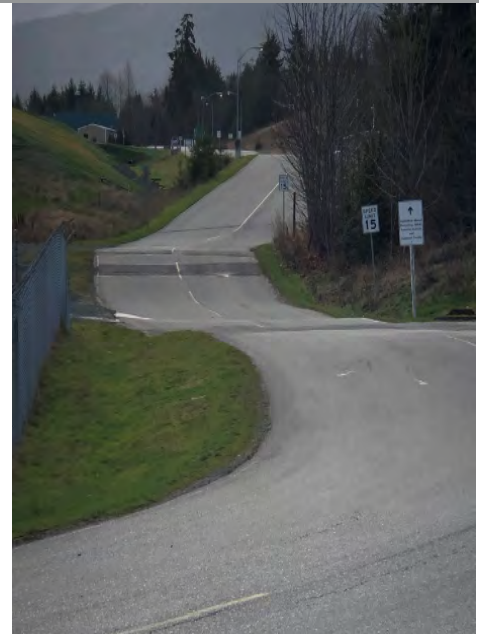
  

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

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



**PROJECT STATUS:** PLANNING  
**CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.131583, -123.519873  
**PROJECT MANAGER:** LUCIO BAACK/JEREMY POZERNICK  
**ESTIMATED LIFE:** 15 YEARS



## ABOUT THE PROJECT:

This project will install a pavement overlay from the Port Angeles Landfill access gate to the Transfer Station scales facility. A geotech evaluation of the area impacted by differential settlement may be required. Geotech evaluation results will dictate the method of repair in the area of differential settlement.

## JUSTIFICATION:

The 18th Street access road to the Port Angeles Transfer Station was last paved in 2006. This project aims to restore pavement condition, and address a differential settlement issue affecting the road between the recycling facility and the western Stormwater Pond.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN						
			2022	2023	2024	2025	2026	2027	
Reserves Solid Waste Fund		\$ 60,000	\$ 455,000						
Grants									
Bonds									
General Fund									
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 60,000</b>	<b>\$ 455,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design		60,000						
Construction			455,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 60,000</b>	<b>\$ 455,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$ 515,000**



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



### ABOUT THE PROJECT:

Perform a topographic survey and utilization review of the Public Works Corp Yard to evaluate upgrade alternatives and optimize the use of the facility. This project represents the Solid Waste utility's contribution to the overall effort. Equal contributions from each utility including Stormwater (DR0121), Wastewater (WW0121), Water (WW0321) and from the Transportation fund (TR0821) in the amount of \$8,000 to equal a total amount of \$40,000.

### JUSTIFICATION:

Public Works must continue delivering essential services to the community in an efficient and timely manner while also meeting all regulatory minimum standards. The Corp Yard is approximately 40 years old and operational needs have evolved since its inception. This comprehensive review effort will provide management with the necessary information to assess current utilization, optimize ongoing logistics and use of the site, and will include a future needs assessment to begin the planning for necessary upgrades to meet the needs of the community.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Water Fund		\$ 8,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 8,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design		8,000						
Construction								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 8,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$ 8,000**



# 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 ACCESS ROAD REPAIR

SW0321

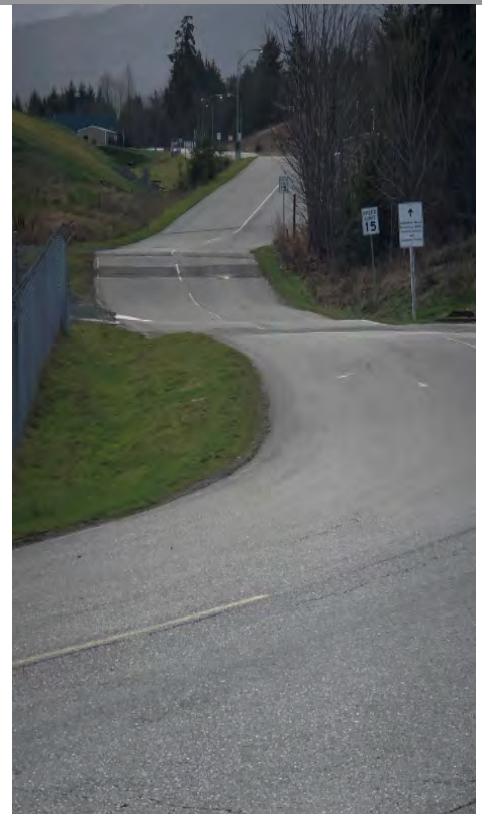
**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.131583, -123.519873  
**PROJECT MANAGER:** LUCIO BAACK/JEREMY POZERNICK  
**ESTIMATED LIFE:** 15 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$ UNKNOWN

### ABOUT THE PROJECT:

This project aims to restore pavement condition on the southern portion of the Port Angeles Landfill Property. From the Scales building to the Transfer Station / Compost Facility.

### JUSTIFICATION:

The 18th Street access road to the Port Angeles Transfer Station was last paved in 2006.



**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.

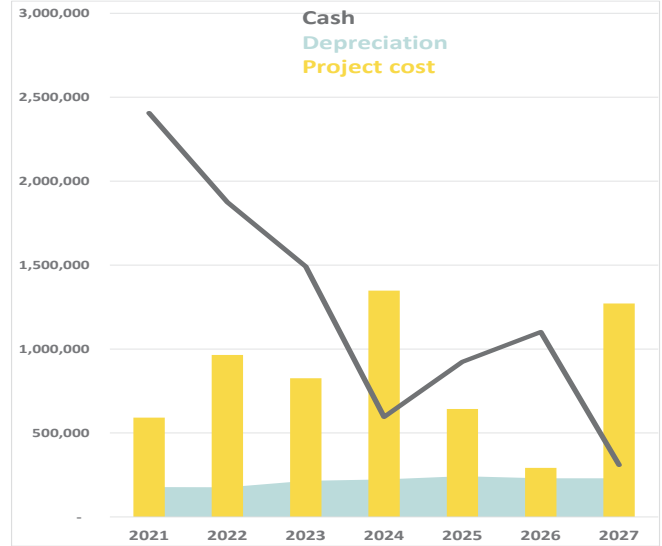


# STORMWATER



# 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.

FUNDING SOURCES	PRIOR YEARS	Budget 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Capital Reserves	\$ 11,000	\$ 591,200	\$ 965,000	\$ 826,200	\$ 1,348,000	\$ 132,700	\$ 292,400	\$ 1,271,000
Grants	-	-	-	-	-	510,300	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 11,000</b>	<b>\$ 591,200</b>	<b>\$ 965,000</b>	<b>\$ 826,200</b>	<b>\$ 1,348,000</b>	<b>\$ 643,000</b>	<b>\$ 292,400</b>	<b>\$ 1,271,000</b>

EXPENDITURES	Prior	2021	2022	2023	2024	2025	2026	2027
Design	11,000	291,200	-	265,200	22,000	113,000	292,400	-
Construction	-	300,000	965,000	561,000	1,326,000	530,000	-	1,271,000
<b>TOTAL</b>	<b>\$ 11,000</b>	<b>\$ 591,200</b>	<b>\$ 965,000</b>	<b>\$ 826,200</b>	<b>\$ 1,348,000</b>	<b>\$ 643,000</b>	<b>\$ 292,400</b>	<b>\$ 1,271,000</b>

OTHER OPERATING COSTS	Prior	2021	2022	2023	2024	2025	2026	2027
Labor								
Supplies								
Communications								
Depreciation		-	7,600	47,600	55,600	75,500	83,800	83,800
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,600</b>	<b>\$ 47,600</b>	<b>\$ 55,600</b>	<b>\$ 75,500</b>	<b>\$ 83,800</b>	<b>\$ 83,800</b>



# STORMWATER PROJECT LIST & CASH FLOW

STORMWATER PROJECTS						CAPITAL FACILITIES PLAN					
Number	Title	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2021	2022	2023	2024	2025	2026	2027
DR0213	H Street Stormwater Outfall	A	645,500	4,500	80,000	-	561,000	-	-	-	-
DR0120	Decant Facility at Transfer Station - Stormwater Soils Decant Bays	A	1,000,000	6,500	28,500	965,000	-	-	-	-	-
DR0119	N Street Outfall Improvement	A	362,500	-	362,500	-	-	-	-	-	-
DR0804	Lincoln Park/Big Boy Pond Study	1	112,200	-	112,200	-	-	-	-	-	-
DR0121	Facility Assessment	2	8,000	-	8,000	-	-	-	-	-	-
DR0404	Stormwater at Canyon Edge & Ahlvers	3	3,631,200	-	-	-	265,200	1,326,000	-	-	-
DR0115	Liberty Street Stormwater Improvement	4	2,570,400	-	-	-	-	-	-	224,400	1,122,000
DR0117	Peabody Street Water Quality Project	5	665,000	-	-	-	-	22,000	643,000	-	-
DR0219	Outfall to Creek Improvement Program	6	150,000	-	-	-	-	-	-	42,000	108,000
DR0215	Francis Street Outfall Repair	7	67,000	-	-	-	-	-	-	26,000	41,000
DR0304	Stormwater at Laurel Street & US 101	UF	674,000	-	-	-	-	-	-	-	-
DR0112	Valley Creek Culvert & Outfall	UF	929,000	-	-	-	-	-	-	-	-
<b>Total</b>			<b>10,814,800</b>	<b>11,000</b>	<b>591,200</b>	<b>965,000</b>	<b>826,200</b>	<b>1,348,000</b>	<b>643,000</b>	<b>292,400</b>	<b>1,271,000</b>

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded

CASH FLOW ANALYSIS	2021	2022	2023	2024	2025	2026	2027
Beginning Cash Balance	2,571,973	2,405,773	1,874,773	1,491,573	595,573	923,873	1,101,473
<b>Funding sources:</b>							
Utilities Reserves*	425,000	434,000	443,000	452,000	461,000	470,000	479,000
Grants	-	-	-	-	510,300	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>Spending:</b>							
Project cost	(591,200)	(965,000)	(826,200)	(1,348,000)	(643,000)	(292,400)	(1,271,000)
<b>Ending Cash Balance</b>	<b>2,405,773</b>	<b>1,874,773</b>	<b>1,491,573</b>	<b>595,573</b>	<b>923,873</b>	<b>1,101,473</b>	<b>309,473</b>

<b>Depreciation</b>	<b>178,095</b>	<b>176,602</b>	<b>214,992</b>	<b>223,225</b>	<b>242,603</b>	<b>229,986</b>	<b>229,986</b>
<b>Depreciation to Cash Ratio</b>	<b>13.51</b>	<b>10.62</b>	<b>6.94</b>	<b>2.67</b>	<b>3.81</b>	<b>4.79</b>	<b>1.35</b>

Operating (based on 2021 budget plus 2.5% annually for expenses)							
	2021	2022	2023	2024	2025	2026	2027
Operating Cash	2,182,862	2,147,362	2,047,162	1,880,962	1,647,762	1,345,562	973,362
Revenue (incl interest)	2,609,800	2,609,800	2,609,800	2,609,800	2,609,800	2,609,800	2,609,800
Expenses (2.5% CPI)	(2,220,300)	(2,276,000)	(2,333,000)	(2,391,000)	(2,451,000)	(2,512,000)	(2,575,000)
Direct Operating Expense	-	-	-	-	-	-	-
Trfs for capital	(425,000)	(434,000)	(443,000)	(452,000)	(461,000)	(470,000)	(479,000)
Trfs for capital							
Stormwater							
Other funds							
<b>Total</b>	<b>2,147,362</b>	<b>2,047,162</b>	<b>1,880,962</b>	<b>1,647,762</b>	<b>1,345,562</b>	<b>973,362</b>	<b>529,162</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. Construction funding is scheduled for 2023 to coincide with the Pump station 3 Force Main Replacement (WW1020)

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Stormwater Fund	\$ 4,500	\$ 80,000		\$ 561,000				
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 4,500</b>	<b>\$ 80,000</b>	<b>\$ 0</b>	<b>\$ 561,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design	4,500	80,000						
Construction				561,000				
<b>TOTAL</b>	<b>\$ 4,500</b>	<b>\$ 80,000</b>	<b>\$ 0</b>	<b>\$ 561,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$645,500**



# 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:**

Stormwater's \$1,000,000 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 (ECY) 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 Solid Waste, Water, and Wastewater portions of the facility, the utilities are contributing (\$478,000 SW0112), (\$800,000 WT0419), & (\$600,000 WW0519) respectively.



**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Stormwater Fund	\$ 6,500	\$ 28,500	\$ 965,000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 6,500</b>	<b>\$ 28,500</b>	<b>\$ 965,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

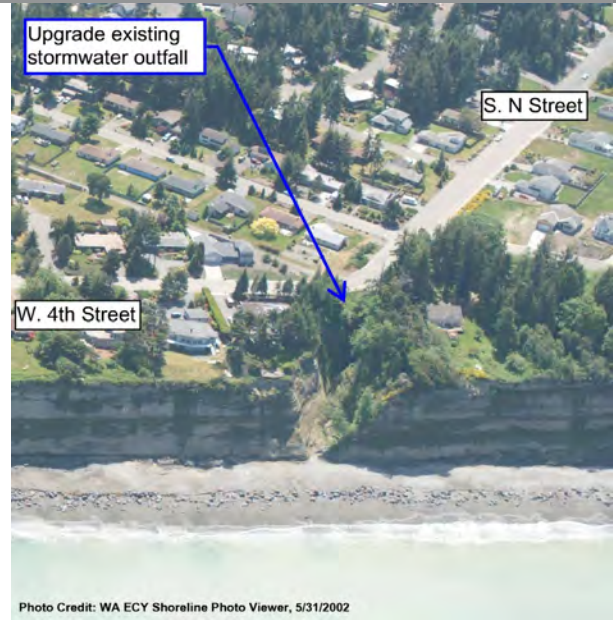
EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design	6,500	28,500						
Construction			965,000					
<b>TOTAL</b>	<b>\$ 6,500</b>	<b>\$ 28,500</b>	<b>\$ 965,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$1,000,000**



**PROJECT STATUS:** PLANNING  
**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 buttressing the dropoff with quarry spalls, tightlining the outfall down 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.

**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 and 2020-2021 wet season.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Stormwater Fund		\$ 362,500						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 362,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design		62,500						
Construction		300,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 362,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$362,500**



**PROJECT STATUS:** 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Stormwater Fund		\$ 112,200						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 112,200</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design		112,200						
Construction								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 112,200</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$112,200**



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



**ABOUT THE PROJECT:**

Perform a topographic survey and utilization review of the Public Works Corp Yard to evaluate upgrade alternatives and optimize the use of the facility. This project represents the Stormwater utility's contribution to the overall effort. Equal contributions from each utility including Solid Waste (SW0221), Water (WTO321), Wastewater (WW0121), and from the Transportation fund (TRO821) in the amount of \$8,000 to equal a total amount of \$40,000.

**JUSTIFICATION:**

Public Works must continue delivering essential services to the community in an efficient and timely manner while also meeting all regulatory minimum standards. The Corp Yard is approximately 40 years old and operational needs have evolved since its inception. This comprehensive review effort will provide management with the necessary information to assess current utilization, optimize ongoing logistics and use of the site, and will include a future needs assessment to begin the planning for necessary upgrades to meet the needs of the community.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Water Fund		\$ 8,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 8,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design		8,000						
Construction								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 8,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$ 8,000**



**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 \$2.04M.

**JUSTIFICATION:**

Flooding during large storms overtops the stormwater system.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Stormwater Fund				\$ 265,200	\$ 1,326,000			
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 265,200</b>	<b>\$ 1,326,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design				265,200				
Construction					1,326,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 265,200</b>	<b>\$ 1,326,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$3,631,200**



**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 extent is limited to conveyance from Liberty Street to Washington Street. An additional \$1.224 million is currently unfunded to address restrictions further north to the outfall.

**JUSTIFICATION:**

To prevent and help mitigate flooding issues.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Stormwater Fund							\$ 224,400	\$ 1,122,000
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>\$ 224,400</b>	<b>\$ 1,122,000</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design							224,400	
Construction								1,122,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 224,400</b>	<b>\$ 1,122,000</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$2,570,400**



**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. This project is contingent upon being awarded grant funding from Washington State Department of Ecology. This project is part of a larger ongoing effort to improve downstream water quality in the Peabody Creek drainage basin.

**JUSTIFICATION:**

Removal of pollutants such as fecal coliform from the Peabody Creek Watershed.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Stormwater Fund					\$ 22,000	\$ 132,700		
Grants						510,300		
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 22,000</b>	<b>\$ 643,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design					22,000			
Construction						643,000		
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 22,000</b>	<b>\$ 643,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

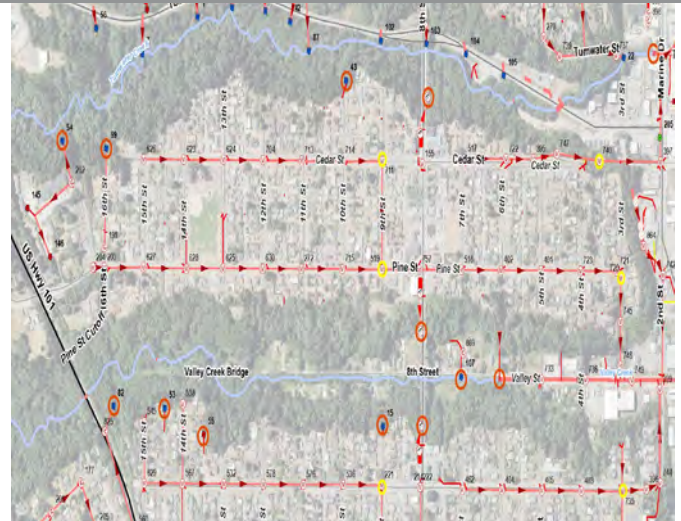
  

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$665,000**



**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.116165, -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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Stormwater Fund							\$ 42,000	\$ 108,000
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>\$ 42,000</b>	<b>\$ 108,000</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design							42,000	
Construction								108,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 42,000</b>	<b>\$ 108,000</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Stormwater Fund							\$ 26,000	\$ 41,000
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>\$ 26,000</b>	<b>\$ 41,000</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design							26,000	
Construction								41,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 26,000</b>	<b>\$ 41,000</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$67,000**



# 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.

## STORMWATER AT LAUREL STREET & US 101

DR0304

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.107408, -123.445146  
**PROJECT MANAGER:** VINCE MCINTYRE  
**ESTIMATED LIFE:** 80 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$674,000

### 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.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.121783, -123.439159  
**PROJECT MANAGER:** VINCE MCINTYRE  
**ESTIMATED LIFE:** 80 YEARS  
**ESTIMATED TOTAL PROJECT COST:** \$929,000

**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.



CITY OF PORT ANGELES



2022 - 2027  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN



# EQUIPMENT SERVICES



# EQUIPMENT SERVICES CAPITAL FACILITY PLAN

CFP YEAR: 2022 - 2027  
 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 2020	BUDGET 2021	CAPITAL FACILITY PLAN					
			2022	2023	2024	2025	2026	2027
Utilities	483,598	\$ 477,300	\$ 550,500	\$ 622,500	\$ 669,500	\$ 675,600	\$ 711,600	\$ 671,700
General Fund	353,568	396,800	463,900	498,000	568,500	684,000	646,000	562,000
Interest & Vehicles Sales	79,741	22,100	20,200	19,000	18,500	18,400	28,400	26,700
Internal Service Funds	1,044	1,000	1,000	1,000	1,000	1,000	1,000	1,000
<b>TOTAL</b>	<b>\$ 917,951</b>	<b>\$ 897,200</b>	<b>\$ 1,035,600</b>	<b>\$ 1,140,500</b>	<b>\$ 1,257,500</b>	<b>\$ 1,379,000</b>	<b>\$ 1,387,000</b>	<b>\$ 1,261,400</b>

EXPENDITURES	2020	2021	2022	2023	2024	2025	2026	2027
Other Equipment/Generators	-	-	-	-	-	2,800	3,400	12,400
Purchase of Vehicles	23,200	2,603,300	1,334,200	1,384,600	1,351,600	1,389,200	1,626,900	1,442,900
<b>TOTAL</b>	<b>\$ 23,200</b>	<b>\$ 2,603,300</b>	<b>\$ 1,334,200</b>	<b>\$ 1,384,600</b>	<b>\$ 1,351,600</b>	<b>\$ 1,392,000</b>	<b>\$ 1,630,300</b>	<b>\$ 1,455,300</b>

MAINTENANCE	2020	2021	2022	2023	2024	2025	2026	2027
Fuel	206,043	324,400	324,400	324,400	324,400	324,400	324,400	324,400
Parts & Repair	1,190,113	1,184,600	1,184,600	1,184,600	1,184,600	1,184,600	1,184,600	1,184,600
Equipment Rental	76,385	67,700	67,700	67,700	67,700	67,700	67,700	67,700
<b>TOTAL MAINTENANCE</b>	<b>1,472,541</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 2020	BUDGET 2021	PROJECTED SPENDING					
			2022	2023	2024	2025	2026	2027
Finance	-	-	39,900	-	41,500	-	-	-
Community Development	-	-	-	-	-	-	-	44,100
Police	-	345,500	157,500	160,600	163,800	167,100	170,400	170,400
Fire & Medic 1	-	47,200	42,700	830,000	192,500	-	-	-
Parks & Recreation	-	102,100	29,300	60,600	41,500	105,400	169,300	303,200
Engineering	-	-	-	-	83,200	44,600	-	-
Light Operations	800	323,600	31,500	131,800	54,700	116,900	28,400	75,400
Water	22,400	269,500	-	134,100	41,600	-	251,400	408,300
Wastewater	-	-	68,300	40,700	-	42,400	12,600	44,100
Solid Waste	-	408,300	421,400	-	379,500	23,300	701,500	-
Stormwater	-	-	236,300	-	-	245,700	73,900	301,600
Conservation	-	-	-	-	-	-	45,500	-
Equipment Services	-	64,700	271,500	-	85,200	473,900	-	-
Information Technology	-	-	-	-	-	-	-	-
Streets	-	1,042,400	35,800	26,800	268,100	172,700	177,300	108,200
<b>TOTAL EXPENDITURES PROJECTED</b>	<b>23,200</b>	<b>2,603,300</b>	<b>1,334,200</b>	<b>1,384,600</b>	<b>1,351,600</b>	<b>1,392,000</b>	<b>1,630,300</b>	<b>1,455,300</b>

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

CASH FLOW ANALYSIS	ACTUAL 2020	BUDGET 2021	2022	2023	2024	2025	2026	2027
Beginning Cash Balance	4,519,937	5,192,107	3,708,621	3,410,021	3,165,921	3,071,821	3,058,821	2,815,521
Vehicle purchases	(245,781)	(2,380,685)	(1,334,200)	(1,384,600)	(1,351,600)	(1,392,000)	(1,630,300)	(1,455,300)
Funding sources:								
Utilities Reserves	483,598	477,300	550,500	622,500	669,500	675,600	711,600	671,700
General Fund	353,568	396,800	463,900	498,000	568,500	684,000	646,000	562,000
Sales, Interest & Grants	79,741	22,100	20,200	19,000	18,500	18,400	28,400	26,700
Internal Service Funds	1,044	1,000	1,000	1,000	1,000	1,000	1,000	1,000
<b>Ending Cash Balance</b>	<b>5,192,107</b>	<b>3,708,621</b>	<b>3,410,021</b>	<b>3,165,921</b>	<b>3,071,821</b>	<b>3,058,821</b>	<b>2,815,521</b>	<b>2,621,621</b>



# EQUIPMENT SERVICES REPLACEMENT LIST

2021		
DEPARTMENT/ VEHICLE	REPLACES	PROPOSED 2021
<b>***POLICE***</b>		
POLICE CRUISER - FORD CROWN VICTORIA	1411	51,500
POLICE CRUISER - FORD CROWN VICTORIA	4103	51,500
POLICE CRUISER - FORD CROWN VICTORIA	5107	51,500
POLICE CRUISER - DODGE CHARGER K9 PATROL	910	64,800
POLICE CRUISER - DODGE CHARGER PATROL	1110	61,400
POLICE CRUISER - CHEVROLET CAPRICE K9 PATROL	1312	64,800
<b>*** FIRE DEPT ***</b>		
GMC SIERRA 1500 4X4 PICK-UP	4200	47,200
<b>***EQUIPMENT SERVICES***</b>		
CATERPILLAR 5000 LB FORKLIF	1247	34,700
DODGE CARAVAN VAN	5602	30,000
<b>***WATER***</b>		
GMC 5-8 CY DUMP TRUCK	1782	230,000
GMC CANYON PICK-UP	6702	39,500
<b>***STORMWATER***</b>		
SUCTION HOOD (VACTOR)		-
<b>***STREET***</b>		
FREIGHTLINER 5YD DUMP TRUCK	1579	212,000
FREIGHTLINER 10YD DUMP TRUCK	1603	318,400
GMC SIERRA 3500 SERVICE TRUCK	4701	83,100
NEW HOLLAND TRACTOR W/ BOOM MOWER	1506	173,600
FREIGHTLINER HOT ASPHALT PATCH TRUCK	1568	255,300
<b>***SOLID WASTE***</b>		
GARBAGE TRUCK	1081	368,200
TOYOTA PRIUS	5802	40,100
<b>***PARKS***</b>		
DODGE 4X4 FLATBED TRUCK W/SNOW PLOW	1887	82,300
GRASSHOPPER MOWER	1888	19,800
<b>***ELECTRIC***</b>		
MANLIFT TRUCK	155	275,600
GMC SAVANA VAN	6901	48,000
<b>Total</b>		<b>2,603,300</b>



# EQUIPMENT SERVICES REPLACEMENT LIST

2022		
DEPARTMENT/ VEHICLE	REPLACES	PROPOSED 2022
<b>***POLICE***</b>		
FORD CROWN VICTORIA	911	52,500
FORD CROWN VICTORIA	1210	52,500
FORD CROWN VICTORIA	1211	52,500
<b>*** FIRE DEPT ***</b>		
GMC SIERRA 1500 4X4 PICK-UP	7203	42,700
<b>***EQUIPMENT SERVICES***</b>		
DODGE 1 TON w/SER BODY	1246	87,600
CATERPILLAR WHL LOADER	1569	183,900
<b>***STORMWATER***</b>		
FREIGHTLINER AIR SWEEPER	1240	236,300
<b>***WASTEWATER***</b>		
FORD F350 SERVICE TRUCK	1616	68,300
<b>***STREET***</b>		
BOMAG ASPHALT ROLLER	1597	26,300
HERB SPRAY ATTACH.	NEW	9,500
<b>***PARKS***</b>		
TORO AERATOR W/TINES	7321	29,300
<b>***ELECTRIC***</b>		
CATERPILLAR FORKLIFT	148	31,500
<b>***FINANCE***</b>		
GMC SONOMA PICK-UP	194	39,900
<b>***SOLID WASTE***</b>		
GARBAGE TRUCK	1080	379,300
FORD RANGER PICKUP	1945	42,100
<b>Total</b>		<b>1,334,200</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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Utilities	4520	\$ 1,000	\$ 2,000	\$ 3,000	\$ 4,000	\$ 4,000	\$ 5,000	\$ 5,000
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	550	325	325	100	150	300	350
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 1,550</b>	<b>\$ 2,325</b>	<b>\$ 3,325</b>	<b>\$ 4,100</b>	<b>\$ 4,150</b>	<b>\$ 5,300</b>	<b>\$ 5,350</b>

EXPENDITURES								
Other Equipment & Attachments	-	-	-	-	-	-	-	-
Planned Use of Reserves	-	39,900	-	41,500	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 39,900</b>	<b>\$ -</b>	<b>\$ 41,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

MAINTENANCE	EXPENSE OBJECT	2021	2022	2023	2024	2025	2026	2027
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)	2021	2022	2023	2024	2025	2026	2027
194	GMC SONOMA PICK-UP	1994	2022	39,900	28	-	39,900	-	-	-	-	-
4401	GMC CANYON PICK-UP	2004	2024	41,500	20	-	-	-	41,500	-	-	-
4402	GMC CANYON PICK-UP	2004	2029	45,900	25	-	-	-	-	-	-	-
<b>TOTALS</b>				<b>\$ 127,300</b>		<b>\$ -</b>	<b>\$ 39,900</b>	<b>\$ -</b>	<b>\$ 41,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

CASH FLOW	2021	2022	2023	2024	2025	2026	2027
<b>BEGINNING CASH</b>	<b>89,465</b>	<b>91,015</b>	<b>53,440</b>	<b>56,765</b>	<b>19,365</b>	<b>23,515</b>	<b>28,815</b>
Contributions	1,000	2,000	3,000	4,000	4,000	5,000	5,000
Interest & sale of vehicles	550	325	325	100	150	300	350
Reserves Used	-	(39,900)	-	(41,500)	-	-	-
<b>Projected Year End Cash</b>	<b>91,015</b>	<b>53,440</b>	<b>56,765</b>	<b>19,365</b>	<b>23,515</b>	<b>28,815</b>	<b>34,165</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 2021	CAPITAL FACILITIES PLAN						
			2022	2023	2024	2025	2026	2027	
Utilities Transfer truck to Stormwater from CD	4520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund	4520	1,500	1,500	2,000	2,500	3,000	3,500	4,500	
Interest & Vehicles Sales	4520	400	400	400	400	450	800	400	
Internal Service Funds	4520	-	-	-	-	-	-	-	
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 1,900</b>	<b>\$ 1,900</b>	<b>\$ 2,400</b>	<b>\$ 2,900</b>	<b>\$ 3,450</b>	<b>\$ 4,300</b>	<b>\$ 4,900</b>	

EXPENDITURES								
Other Equipment & Attachments		-	-	-	-	-	-	-
Replacement of Vehicles		-	-	-	-	-	-	44,100
<b>TOTAL</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 44,100</b>

MAINTENANCE	EXPENSE OBJECT	2021	2022	2023	2024	2025	2026	2027
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)	2021	2022	2023	2024	2025	2026	2027
8451	FORD F150 Pick-up	2008	2028	45,000	20	-	-	-	-	-	-	-
7451	GMC Sierra 1500 4x4 Pick-up	2007	2027	44,100	20	-	-	-	-	-	-	44,100
<b>TOTALS</b>				<b>\$ 89,100</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 44,100</b>

CASH FLOW	2021	2022	2023	2024	2025	2026	2027
<b>BEGINNING CASH</b>	<b>63,697</b>	<b>65,597</b>	<b>67,497</b>	<b>69,897</b>	<b>72,797</b>	<b>76,247</b>	<b>80,547</b>
Contributions	1,500	1,500	2,000	2,500	3,000	3,500	4,500
Interest & Sale of Vehicles	400	400	400	400	450	800	400
Reserves Used	-	-	-	-	-	-	(44,100)
<b>Projected Year End Cash</b>	<b>65,597</b>	<b>67,497</b>	<b>69,897</b>	<b>72,797</b>	<b>76,247</b>	<b>80,547</b>	<b>41,347</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 2021	CAPITAL FACILITIES PLAN						
			2022	2023	2024	2025	2026	2027	
Utilities	4520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund	4520	135,000	134,900	145,000	145,000	145,000	145,000	145,000	145,000
Interest & Vehicles Sales	395-XXXX	1,600	1,500	1,400	1,300	1,100	1,700	1,500	1,500
Internal Service Funds/Grants	4520	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 136,600</b>	<b>\$ 136,400</b>	<b>\$ 146,400</b>	<b>\$ 146,300</b>	<b>\$ 146,100</b>	<b>\$ 146,700</b>	<b>\$ 146,500</b>	<b>\$ 146,500</b>

EXPENDITURES									
Other Equipment & Attachments		-	-	-	-	-	-	-	-
Replacement of Vehicles		345,500	157,500	160,600	163,800	167,100	170,400	170,400	170,400
<b>TOTAL</b>		<b>\$ 345,500</b>	<b>\$ 157,500</b>	<b>\$ 160,600</b>	<b>\$ 163,800</b>	<b>\$ 167,100</b>	<b>\$ 170,400</b>	<b>\$ 170,400</b>	<b>\$ 170,400</b>

MAINTENANCE	EXPENSE OBJECT	2021	2022	2023	2024	2025	2026	2027
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)	2021	2022	2023	2024	2025	2026	2027
1710	DODGE CHARGER	2017	2029	59,100	12	-	-	-	-	-	-	-
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	63,900	12	-	-	-	-	-	-	-
1914	DODGE CHARGER	2019	2035	69,200	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	2021	51,500	15	51,500	-	-	-	-	-	-
1412	DODGE CHARGER	2014	2025	55,700	11	-	-	-	-	55,700	-	-
1510	GMC TAHOE SUV	2014	2027	56,800	13	-	-	-	-	-	-	56,800
1511	DODGE CHARGER	2012	2026	56,800	14	-	-	-	-	-	56,800	-
1512	DODGE CHARGER	2011	2027	56,800	16	-	-	-	-	-	-	56,800
1513	DODGE CHARGER	2011	2027	56,800	16	-	-	-	-	-	-	56,800
1514	Radar Trailer	2009	2028	29,900	19	-	-	-	-	-	-	-
1612	DODGE CHARGER	2016	2028	58,000	12	-	-	-	-	-	-	-
1613	DODGE CHARGER	2016	2028	58,000	12	-	-	-	-	-	-	-
4103	FORD CROWN VICTORIA	2004	2021	51,500	16	51,500	-	-	-	-	-	-
5107	FORD CROWN VICTORIA	2005	2021	51,500	15	51,500	-	-	-	-	-	-
6101	CHEV COLORADO 4X4 VOLUNTE	2006	2023	53,600	17	-	-	53,600	-	-	-	-
1910	DODGE CHARGER	2019	2031	63,900	12	-	-	-	-	-	-	-
1813	DODGE CHARGER	2018	2030	60,300	12	-	-	-	-	-	-	-
1814	DODGE CHARGER	2018	2030	60,300	12	-	-	-	-	-	-	-
1815	DODGE CHARGER	2018	2030	60,300	12	-	-	-	-	-	-	-
6104	FORD CROWN VICTORIA	2007		-		-	-	-	-	-	-	-
<b>TOTALS</b>				<b>\$ 1,918,200</b>	<b>13.68</b>	<b>\$ 345,500</b>	<b>\$ 157,500</b>	<b>\$ 160,600</b>	<b>\$ 163,800</b>	<b>\$ 167,100</b>	<b>\$ 170,400</b>	<b>\$ 170,400</b>

CASH FLOW	2021	2022	2023	2024	2025	2026	2027
<b>BEGINNING CASH</b>	<b>477,109</b>	<b>268,209</b>	<b>247,109</b>	<b>232,909</b>	<b>215,409</b>	<b>194,409</b>	<b>170,709</b>
CONTRIBUTIONS	135,000	134,900	145,000	145,000	145,000	145,000	145,000
Interest Earned	1,600	1,500	1,400	1,300	1,100	1,700	1,500
Use of replacement funds	(345,500)	(157,500)	(160,600)	(163,800)	(167,100)	(170,400)	(170,400)
<b>Projected Year End Cash</b>	<b>268,209</b>	<b>247,109</b>	<b>232,909</b>	<b>215,409</b>	<b>194,409</b>	<b>170,709</b>	<b>146,809</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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	150,000	150,000	200,000	200,000	250,000	250,000
Interest & Vehicles Sales	4520	5,000	5,900	2,000	2,200	3,600	8,800	11,700
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 130,000</b>	<b>\$ 181,400</b>	<b>\$ 178,010</b>	<b>\$ 228,730</b>	<b>\$ 230,661</b>	<b>\$ 286,402</b>	<b>\$ 289,854</b>

EXPENDITURES								
Other Equipment & Attachments		-	-	-	-	-	-	-
Replacement of Vehicles		47,200	42,700	830,000	192,500	-	-	-
<b>TOTAL</b>		<b>\$ 47,200</b>	<b>\$ 42,700</b>	<b>\$ 830,000</b>	<b>\$ 192,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

MAINTENANCE	EXPENSE OBJECT	2021	2022	2023	2024	2025	2026	2027
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>

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2021	2022	2023	2024	2025	2026	2027
<b>FIRE DEPARTMENT</b>												
3	PIERCE PUMPER	1999	2023	830,000	24	-	-	830,000	-	-	-	-
1922	2020 FORD EXPLORER 4X4	2020	2035	51,900	15	-	-	-	-	-	-	-
4200	GMC SIERRA 1500 4X4 PICK-UP	2004	2021	47,200	16	47,200	-	-	-	-	-	-
1924	2020 FORD EXPLORER 4X4	2020	2035	51,900	15	-	-	-	-	-	-	-
6201	PIERCE AERIAL/PUMPER	2006	2036	3,400,000	30	-	-	-	-	-	-	-
7203	GMC SIERRA 1500 4X4 PICK-UP	2007	2022	42,700	15	-	42,700	-	-	-	-	-
920	AIR TRUCK -do not replace	2009		-		-	-	-	-	-	-	-
1620	FORD F550 HME MINI PUMPER	2017	2041	656,300	24	-	-	-	-	-	-	-
1020	PIERCE FIRE PUMPER	2010	2034	1,430,000	24	-	-	-	-	-	-	-
4201	GMC ENVOY 4X4	2004		-		-	-	-	-	-	-	-
<b>MEDIC 1</b>												
1820	FORD AMBULANCE	2019	2037	218,100	18	-	-	-	-	-	-	-
1420	FORD AMBULANCE	2015	2033	207,600	18	-	-	-	-	-	-	-
7201	FORD E350 AMBULANCE	2006	2024	192,500	18	-	-	-	192,500	-	-	-
<b>TOTALS</b>				<b>\$ 7,128,200</b>		<b>\$ 47,200</b>	<b>\$ 42,700</b>	<b>\$ 830,000</b>	<b>\$ 192,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

CASH FLOW	2021	2022	2023	2024	2025	2026	2027
<b>BEGINNING CASH</b>	<b>761,962</b>	<b>844,762</b>	<b>983,462</b>	<b>331,472</b>	<b>367,702</b>	<b>598,363</b>	<b>884,765</b>
Contributions	125,000	175,500	176,010	226,530	227,061	277,602	278,154
Interest & Vehicle Sales	5,000	5,900	2,000	2,200	3,600	8,800	11,700
Reserves Used	(47,200)	(42,700)	(830,000)	(192,500)	-	-	-
<b>Projected Year End Cash</b>	<b>844,762</b>	<b>983,462</b>	<b>331,472</b>	<b>367,702</b>	<b>598,363</b>	<b>884,765</b>	<b>1,174,619</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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Utilities	4520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund	4520	67,800	75,000	90,000	105,000	115,000	125,000	135,000
Interest & Vehicles Sales	4520	400	700	900	1,250	1,250	1,650	50
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 68,200</b>	<b>\$ 75,700</b>	<b>\$ 90,900</b>	<b>\$ 106,250</b>	<b>\$ 116,250</b>	<b>\$ 126,650</b>	<b>\$ 135,050</b>

EXPENDITURES								
Other Equipment & Attachments	-	-	-	-	2,800	3,400	12,400	
Replacement of Vehicles	102,100	29,300	60,600	41,500	102,600	165,900	290,800	
<b>TOTAL</b>	<b>\$ 102,100</b>	<b>\$ 29,300</b>	<b>\$ 60,600</b>	<b>\$ 41,500</b>	<b>\$ 105,400</b>	<b>\$ 169,300</b>	<b>\$ 303,200</b>	

MAINTENANCE	EXPENSE OBJECT	2021	2022	2023	2024	2025	2026	2027
Fuel	3210	39,800	39,800	39,800	39,800	39,800	39,800	39,800
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>

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE Year	REPLACE COST	LIFE (IN YEARS)	2021	2022	2023	2024	2025	2026	2027
<b>SENIOR CENTER</b>												
1735	FORD E450 PASSENGER BUS	2018	2033	104,700	15	-	-	-	-	-	-	-
<b>CEMETERY</b>												
1230	GRASSHOPPER MOWER 725DR/37461	2012	2027	20,400	15	-	-	-	-	-	-	20,400
1235	ICB BACKHOE	2012	2037	137,200	25	-	-	-	-	-	-	-
1430	JOHN DEERE GATOR TS	2014	2029	12,600	15	-	-	-	-	-	-	-
1887	DODGE 1T TRUCK 4X4 W/SNOW BOSS	1999	2021	82,300	22	82,300	-	-	-	-	-	-
<b>PARKS OPERATIONS</b>												
181	TRAILER	1985	2025	2,800	40	-	-	-	-	2,800	-	-
182	TRAILER	1980	2050	3,700	35	-	-	-	-	-	-	-
183	SANI UTILITY TRAILER	1970	2040	3,400	35	-	-	-	-	-	-	-
1231	GROUNDMASTER MOWER 3280D	2012	2027	26,600	15	-	-	-	-	-	-	26,600
1232	GROUNDMASTER MOWER 3280D BLOWE	2012	2027	32,500	15	-	-	-	-	-	-	32,500
1233	GROUNDMASTER MOWER 3280D	2012	2027	29,300	15	-	-	-	-	-	-	29,300
1234	JOHN DEERE FIELD RAKE	2012	2027	12,400	15	-	-	-	-	-	-	12,400
1330	GMC 1 TON FLATBED TRUCK	2013	2033	71,100	20	-	-	-	-	-	-	-
1331	FORD F450 FLATBED TRUCK	2014	2029	55,700	15	-	-	-	-	-	-	-
1431	TORO TURF SWEEPER	2014	2034	41,300	20	-	-	-	-	-	-	-
1531	JOHN DEERE FIELD RAKE	2015	2030	16,400	15	-	-	-	-	-	-	-
1630	GMC SILVERADO 2500	2017	2037	70,500	20	-	-	-	-	-	-	-
1631	FORD F450 VERSALIFT MANLIFT	2016	2036	120,600	20	-	-	-	-	-	-	-
1734	FORD F250 PICK-UP	2017	2037	70,500	20	-	-	-	-	-	-	-
1888	GRASSHOPPER MOWER	2001	2021	19,800	20	19,800	-	-	-	-	-	-
1890	UNIVERSAL EQUIPMENT TRAILER (SM)	1994	2034	-	40	-	-	-	-	-	-	-
1930	FORD F350 FLATBED DUMPBED	2019	2034	71,800	15	-	-	-	-	-	-	-
4328	GMC SIERRA 3500 FLAT BED	2004	2023	60,600	19	-	-	60,600	-	-	-	-
4700	GMC SIERRA 1500 4X4	2004	2024	41,500	20	-	-	-	41,500	-	-	-
5330	KUBOTA TRACTOR	2005	2025	50,200	20	-	-	-	-	50,200	-	-
5333	10000# TRAILER	2005	2030	4,300	25	-	-	-	-	-	-	-
5335	FORD F450 w/DUMP	2006	2026	91,000	20	-	-	-	-	-	91,000	-
6321	JOHN DEERE GATOR TS	2006	2026	13,600	20	-	-	-	-	-	13,600	-
6323	GMC SIERRA 2500 PICK-UP	2006	2026	61,300	20	-	-	-	-	-	61,300	-
6324	FORD F450 w/DUMP	2007	2027	92,800	20	-	-	-	-	-	-	92,800
6325	PAINT SPRAYER- WALK BEHIND	2006	2026	3,400	20	-	-	-	-	-	3,400	-
6451	FORD F250 PICK-UP	2007	2027	63,800	20	-	-	-	-	-	-	63,800
7321	TORO AERATOR W/TINES	2007	2022	29,300	15	-	29,300	-	-	-	-	-
1730	JOHN DEERE FIELD RAKE	2017	2032	23,600	15	-	-	-	-	-	-	-
1836	TORO 4000D MOWER	2018	2028	88,800	10	-	-	-	-	-	-	-
7322	TOP DRESSER	2007	2027	25,400	20	-	-	-	-	-	-	25,400
8321	EAGLE 6X10 TRAILER	2008	2043	3,500	35	-	-	-	-	-	-	-
1830	KUBOTA L4064HST TRACTOR	2018	2038	59,400	20	-	-	-	-	-	-	-
1837	GMC SAVANNA 2500 VAN	2018	2038	62,000	20	-	-	-	-	-	-	-
<b>FACILITIES</b>												
5332	GMC SAVANA VAN	2005	2025	52,400	20	-	-	-	-	52,400	-	-
1931	FORD 250 WHITE VAN	2019	2034	59,600	15	-	-	-	-	-	-	-
4326	SCISSOR LIFT (VERN BURTON)	2004	2034	13,000	30	-	-	-	-	-	-	-
<b>TOTALS</b>				<b>\$ 1,905,100</b>		<b>\$ 102,100</b>	<b>\$ 29,300</b>	<b>\$ 60,600</b>	<b>\$ 41,500</b>	<b>\$ 105,400</b>	<b>\$ 169,300</b>	<b>\$ 303,200</b>

CASH FLOW	2021	2022	2023	2024	2025	2026	2027
<b>BEGINNING CASH</b>	<b>104,230</b>	<b>70,330</b>	<b>116,730</b>	<b>147,030</b>	<b>211,780</b>	<b>222,630</b>	<b>179,980</b>
Contributions	67,800	75,000	90,000	105,000	115,000	125,000	135,000
Interest & sale	400	700	900	1,250	1,250	1,650	50
Reserves Used	(102,100)	(29,300)	(60,600)	(41,500)	(105,400)	(169,300)	(303,200)
<b>Projected Year End Cash</b>	<b>70,330</b>	<b>116,730</b>	<b>147,030</b>	<b>211,780</b>	<b>222,630</b>	<b>179,980</b>	<b>11,830</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 2021	CAPITAL FACILITIES PLAN						
			2022	2023	2024	2025	2026	2027	
Utilities	4520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund	4520	7,500	7,500	11,000	11,000	11,000	7,500	7,500	
Interest & Vehicles Sales	4520	500	550	600	200	-	100	200	
Internal Service Funds	4520	-	-	-	-	-	-	-	
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 8,000</b>	<b>\$ 8,050</b>	<b>\$ 11,600</b>	<b>\$ 11,200</b>	<b>\$ 11,000</b>	<b>\$ 7,600</b>	<b>\$ 7,700</b>	

EXPENDITURES								
Other Equipment	-	-	-	-	-	-	-	-
Replacement of Vehicles	-	-	-	83,200	44,600	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 83,200</b>	<b>\$ 44,600</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

MAINTENANCE	EXPENSE OBJECT	2021	2022	2023	2024	2025	2026	2027
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)	2021	2022	2023	2024	2025	2026	2027
4300	GMC SIERRA Pick-up	2004	2024	41,600	20	-	-	-	41,600	-	-	-
4301	GMC SIERRA Pick-up	2004	2024	41,600	20	-	-	-	41,600	-	-	-
5302	GMC SAVANA VAN	2005	2025	44,600	20	-	-	-	-	44,600	-	-
<b>TOTALS</b>				<b>\$ 127,800</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 83,200</b>	<b>\$ 44,600</b>	<b>\$ -</b>	<b>\$ -</b>

CASH FLOW	2021	2022	2023	2024	2025	2026	2027
<b>BEGINNING CASH</b>	<b>79,495</b>	<b>87,495</b>	<b>95,545</b>	<b>107,145</b>	<b>35,145</b>	<b>1,545</b>	<b>9,145</b>
Contributions	7,500	7,500	11,000	11,000	11,000	7,500	7,500
Interest & Vehicle Sales	500	550	600	200	-	100	200
Reserves Used	-	-	-	(83,200)	(44,600)	-	-
<b>Projected Year End Cash</b>	<b>87,495</b>	<b>95,545</b>	<b>107,145</b>	<b>35,145</b>	<b>1,545</b>	<b>9,145</b>	<b>16,845</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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Utilities	4520	\$ 75,000	\$ 75,000	\$ 75,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	950	950	900	1,150	1,100	2,550	2,850
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 75,950</b>	<b>\$ 75,950</b>	<b>\$ 75,900</b>	<b>\$ 101,150</b>	<b>\$ 101,100</b>	<b>\$ 102,550</b>	<b>\$ 102,850</b>
<b>EXPENDITURES</b>								
Other Equipment		-	-	-	-	-	-	-
Replacement of Vehicles		323,600	31,500	131,800	54,700	116,900	28,400	75,400
<b>TOTAL</b>		<b>\$ 323,600</b>	<b>\$ 31,500</b>	<b>\$ 131,800</b>	<b>\$ 54,700</b>	<b>\$ 116,900</b>	<b>\$ 28,400</b>	<b>\$ 75,400</b>

MAINTENANCE	EXPENSE OBJECT	2021	2022	2023	2024	2025	2026	2027
		Fuel	3210	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)	2021	2022	2023	2024	2025	2026	2027
140	SINGLE REEL TRAILER	2000	2025	27,900	25	-	-	-	-	27,900	-	-
148	CATERPILLAR FORKLIFT	1987	2022	31,500	35	-	31,500	-	-	-	-	-
155	FREIGHTLINER/VERSALIFT MANLIFT TRUCK	1999	2021	275,600	20	275,600	-	-	-	-	-	-
158	BRUSH CHIPPER	2000	2025	33,200	25	-	-	-	-	33,200	-	-
159	BUTLER 3-REEL WIRE TRAILER	1989	2029	21,100	40	-	-	-	-	-	-	-
160	TENSIONER	1991	2026	28,400	35	-	-	-	-	-	28,400	-
950	FORD F450 UTILITY TRUCK	2009	2027	75,400	18	-	-	-	-	-	-	75,400
951	REEL TRAILER	2009	2034	10,800	25	-	-	-	-	-	-	-
1150	FREIGHTLINER DIGGER DERRICK	2011	2031	338,600	20	-	-	-	-	-	-	-
1151	FREIGHTLINER TEREX MANLIFT	2011	2031	326,300	20	-	-	-	-	-	-	-
1350	FORD F550 4X4 W/DUMP BED	2013	2033	100,500	20	-	-	-	-	-	-	-
1351	CHEV EXPRESS 2500 4X4 VAN	2014	2029	56,700	15	-	-	-	-	-	-	-
1352	FORD F550 4X4 VERSALIFT MANLIFT	2014	2034	190,300	20	-	-	-	-	-	-	-
1450	GMC FLATBED 1 TON 4X4	2015	2035	72,500	20	-	-	-	-	-	-	-
1550	FREIGHTLINER TEREX MANLIFT	2016	2036	343,300	20	-	-	-	-	-	-	-
1650	Ford F450 flatbed	2017	2037	86,700	20	-	-	-	-	-	-	-
1650a	Hyd Winch with Capstan	2018	2038	22,400	20	-	-	-	-	-	-	-
4900	GMC SAVANA VAN	2004	2023	115,000	19	-	-	50,400	-	-	-	-
4901	TOYOTA FORKLIFT	2004	2024	54,700	20	-	-	-	54,700	-	-	-
4902	POLELIFT TRAILER	2004	2029	8,400	25	-	-	-	-	-	-	-
5427	SIDEWALK SWEEPER	2004	2029	-	25	-	-	-	-	-	-	-
5903	BOBCAT EXCAVATOR	2005	2025	55,800	20	-	-	-	-	55,800	-	-
5904	SMALL TRAILER	2005	2030	6,100	25	-	-	-	-	-	-	-
6901	GMC SAVANA VAN	2006	2021	48,000	15	48,000	-	-	-	-	-	-
1951	FORD F150 EXT CAB SHORT BED TRUCK	2019	2032	43,500	13	-	-	-	-	-	-	-
1750	FORD F450 SERVICE TRUCK	2017	2037	82,300	20	-	-	-	-	-	-	-
1753	FREIGHTLINER KNUCKLEBOOM TRUCK	2018	2043	267,800	25	-	-	-	-	-	-	-
6902	CHEVY SILVERADO 1500 4X4 PICK-UP	2006				-	-	-	-	-	-	-
<b>ELECTRIC ENGINEERS</b>												
133	CHEVY BLAZER	2004	2023	40,700	18	-	-	40,700	-	-	-	-
135	CHEVY BLAZER	2004	2023	40,700	19	-	-	40,700	-	-	-	-
<b>TOTALS</b>				<b>\$ 2,804,200</b>		<b>\$ 323,600</b>	<b>\$ 31,500</b>	<b>\$ 131,800</b>	<b>\$ 54,700</b>	<b>\$ 116,900</b>	<b>\$ 28,400</b>	<b>\$ 75,400</b>

CASH FLOW	2021	2022	2023	2024	2025	2026	2027
<b>BEGINNING CASH</b>	<b>407,394</b>	<b>159,744</b>	<b>204,194</b>	<b>148,294</b>	<b>194,744</b>	<b>178,944</b>	<b>253,094</b>
Contributions	75,000	75,000	75,000	100,000	100,000	100,000	100,000
Interest & Vehicle Sales	950	950	900	1,150	1,100	2,550	2,850
Reserves Used	(323,600)	(31,500)	(131,800)	(54,700)	(116,900)	(28,400)	(75,400)
<b>Projected Year End Cash</b>	<b>159,744</b>	<b>204,194</b>	<b>148,294</b>	<b>194,744</b>	<b>178,944</b>	<b>253,094</b>	<b>280,544</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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Utilities	4520	\$ 60,000	\$ 60,000	\$ 70,000	\$ 70,000	\$ 75,000	\$ 75,000	\$ 75,000
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	2,400	2,750	2,400	2,600	3,000	3,300	50
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 62,400</b>	<b>\$ 62,750</b>	<b>\$ 72,400</b>	<b>\$ 72,600</b>	<b>\$ 78,000</b>	<b>\$ 78,300</b>	<b>\$ 75,050</b>

EXPENDITURES								
Other Equipment		-	-	-	-	-	-	-
Replacement of Vehicles		269,500	-	134,100	41,600	-	251,400	408,300
<b>TOTAL</b>		<b>\$ 269,500</b>	<b>\$ -</b>	<b>\$ 134,100</b>	<b>\$ 41,600</b>	<b>\$ -</b>	<b>\$ 251,400</b>	<b>\$ 408,300</b>

MAINTENANCE	EXPENSE OBJECT	2021	2022	2023	2024	2025	2026	2027
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)	2021	2022	2023	2024	2025	2026	2027
360 GENERATOR TRAILER MOUNTED	2003	2033	81,600	30	-	-	-	-	-	-	-
1060 GENIE PERSONAL LIFT (WTP)	2010	2040	16,200	30	-	-	-	-	-	-	-
1260 FORD F450 SERVIE TRUCK w/winch	2012	2029	78,500	17	-	-	-	-	-	-	-
1460 GMC SIERRA 1500 4X4 PICK-UP	2014	2026	43,200	12	-	-	-	-	-	43,200	-
1756 JOHN DEERE BACKHOE LOADER	1991	2023	134,100	32	-	-	134,100	-	-	-	-
1761 APTECH GENERATOR	1997	2027	75,400	30	-	-	-	-	-	-	75,400
1960 AIR COMPRESSOR	2020	2045	30,500	25	-	-	-	-	-	-	-
1782 GMC 5-8 CY DUMP TRUCK	1993	2021	230,000	27	230,000	-	-	-	-	-	-
4329 YAMAHA	2004	2034	7,000	30	-	-	-	-	-	-	-
5704 FORD F550 DUMP	2006	2026	91,100	20	-	-	-	-	-	91,100	-
5705 FORD F550 SERVICE TRUCK	2006	2026	73,900	20	-	-	-	-	-	73,900	-
6322 GMC CANYON PICK-UP	2006	2026	43,200	20	-	-	-	-	-	43,200	-
6701 GMC CANYON PICK-UP	2006	2024	93,800	18	-	-	-	41,600	-	-	-
6702 GMC CANYON PICK-UP	2006	2021	39,500	15	39,500	-	-	-	-	-	-
1241 50% VACTOR TRUCK	2012	2027	658,800	15	-	-	-	-	-	-	301,600
7452 GMC SONOMA PICK-UP	2007	2027	31,300	20	-	-	-	-	-	-	31,300
1862 SMALL EQ TRAILER	2017	2047	4,300	30	-	-	-	-	-	-	-
1863 SMALL EQ GATOR	2018	2033	13,800	15	-	-	-	-	-	-	-
<b>TOTALS</b>			<b>\$ 1,746,200</b>		<b>\$ 269,500</b>	<b>\$ -</b>	<b>\$ 134,100</b>	<b>\$ 41,600</b>	<b>\$ -</b>	<b>\$ 251,400</b>	<b>\$ 408,300</b>

\*Surplus 1360 for 10 yd to purchase 10 yd dump in Streets.

CASH FLOW	2021	2022	2023	2024	2025	2026	2027
BEGINNING CASH	607,078	399,978	462,728	401,028	432,028	510,028	336,928
Contributions	60,000	60,000	70,000	70,000	75,000	75,000	75,000
Interest & Vehicle Sales	2,400	2,750	2,400	2,600	3,000	3,300	50
Reserves Used	(269,500)	-	(134,100)	(41,600)	-	(251,400)	(408,300)
<b>Projected Year End Cash</b>	<b>399,978</b>	<b>462,728</b>	<b>401,028</b>	<b>432,028</b>	<b>510,028</b>	<b>336,928</b>	<b>3,678</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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Utilities	4520	\$ 50,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	1,250	1,200	1,350	1,700	1,800	3,550	3,750
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 51,250</b>	<b>\$ 61,200</b>	<b>\$ 61,350</b>	<b>\$ 61,700</b>	<b>\$ 61,800</b>	<b>\$ 63,550</b>	<b>\$ 63,750</b>

EXPENDITURES								
Other Equipment	-	-	-	-	-	-	-	-
Replacement of Vehicles	-	68,300	40,700	-	42,400	12,600	44,100	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 68,300</b>	<b>\$ 40,700</b>	<b>\$ -</b>	<b>\$ 42,400</b>	<b>\$ 12,600</b>	<b>\$ 44,100</b>	

MAINTENANCE	EXPENSE OBJECT	2021	2022	2023	2024	2025	2026	2027
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)	2021	2022	2023	2024	2025	2026	2027
1077	GORMAN PUMP	2003	2028	35,500	25	-	-	-	-	-	-	-
1370	TAYLOR DUNN CART (WWTP)	2013	2038	17,200	25	-	-	-	-	-	-	-
1571	PETERBILT ROLLOFF TRUCK	2015	2035	326,700	20	-	-	-	-	-	-	-
1600	CUMMINS 60KW GENERATOR	2002	2032	80,800	30	-	-	-	-	-	-	-
1616	FORD F350 SERVICE TRUCK	2002	2022	157,600	20	-	68,300	-	-	-	-	-
1770	KW T880 VACTOR TRUCK	2017	2037	652,000	20	-	-	-	-	-	-	-
1970	FORD F350 PICKUP 4X2 UTILITY	2019	2039	80,000	20	-	-	-	-	-	-	-
4600	GMC SIERRA 1500 4X4 PICK-UP	2004	2023	92,900	19	-	-	40,700	-	-	-	-
5601	TV VAN W/ SPECIAL EQUIP	2005	2030	57,300	25	-	-	-	-	-	-	-
5601A	COMPUTER FOR TV VAN	2016	2026	12,600	10	-	-	-	-	-	12,600	-
5703	GMC SIERRA 1500 4X4 PICK-UP	2005	2025	42,400	20	-	-	-	-	42,400	-	-
6601	GODWIN HS100GP PUMP	2006	2036	36,200	30	-	-	-	-	-	-	-
7601	GMC CANYON CREW CAB 4X4 PICK-UP	2007	2027	44,100	20	-	-	-	-	-	-	44,100
<b>TOTALS</b>				<b>\$ 1,635,300</b>		<b>\$ -</b>	<b>\$ 68,300</b>	<b>\$ 40,700</b>	<b>\$ -</b>	<b>\$ 42,400</b>	<b>\$ 12,600</b>	<b>\$ 44,100</b>

CASH FLOW	2021	2022	2023	2024	2025	2026	2027
<b>BEGINNING CASH</b>	<b>158,735</b>	<b>209,985</b>	<b>202,885</b>	<b>223,535</b>	<b>285,235</b>	<b>304,635</b>	<b>355,585</b>
Contributions	50,000	60,000	60,000	60,000	60,000	60,000	60,000
Interest & Vehicle Sales	1,250	1,200	1,350	1,700	1,800	3,550	3,750
Reserves Used	-	(68,300)	(40,700)	-	(42,400)	(12,600)	(44,100)
<b>Projected Year End Cash</b>	<b>209,985</b>	<b>202,885</b>	<b>223,535</b>	<b>285,235</b>	<b>304,635</b>	<b>355,585</b>	<b>375,235</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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Utilities	4520	\$ 160,000	\$ 180,000	\$ 225,000	\$ 235,000	\$ 235,000	\$ 260,000	\$ 225,000
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	2,850	1,550	2,900	2,100	3,400	1,400	3,700
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 162,850</b>	<b>\$ 181,550</b>	<b>\$ 227,900</b>	<b>\$ 237,100</b>	<b>\$ 238,400</b>	<b>\$ 261,400</b>	<b>\$ 228,700</b>

EXPENDITURES								
Other Equipment		-	-	-	-	-	-	-
Replacement of Vehicles		408,300	421,400	-	379,500	23,300	701,500	-
<b>TOTAL</b>		<b>\$ 408,300</b>	<b>\$ 421,400</b>	<b>\$ -</b>	<b>\$ 379,500</b>	<b>\$ 23,300</b>	<b>\$ 701,500</b>	<b>\$ -</b>

MAINTENANCE	EXPENSE OBJECT	2021	2022	2023	2024	2025	2026	2027
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)	2021	2022	2023	2024	2025	2026	2027
1480	CAT LOADER	2006	2026	306,700	20	-	-	-	-	-	306,700	-
1896	KUBOTA MOWER	2000	2025	23,300	25	-	-	-	-	23,300	-	-
5802	TOYOTA PRIUS	2005	2021	40,100	15	40,100	-	-	-	-	-	-
1080	GARBAGE TRUCK	2010	2022	379,300	12	-	379,300	-	-	-	-	-
1081	GARBAGE TRUCK	2010	2021	368,200	10	368,200	-	-	-	-	-	-
1580	GARBAGE TRUCK	2015	2024	379,500	9	-	-	-	379,500	-	-	-
1945	FORD RANGER PICKUP	2002	2022	97,000	20	-	42,100	-	-	-	-	-
1980	FORD F250 PICKUP	2019	2034	67,900	15	-	-	-	-	-	-	-
1680	PETERBILT GARBAGE	2016	2026	394,800	10	-	-	-	-	-	394,800	-
1880	KUBOTA ATV	2018	2038	22,400	20	-	-	-	-	-	-	-
1881	PETERBUILT TRUCK	2018	2028	410,600	10	-	-	-	-	-	-	-
<b>TOTALS</b>				<b>\$ 2,489,800</b>		<b>\$ 408,300</b>	<b>\$ 421,400</b>	<b>\$ -</b>	<b>\$ 379,500</b>	<b>\$ 23,300</b>	<b>\$ 701,500</b>	<b>\$ -</b>

CASH FLOW	2021	2022	2023	2024	2025	2026	2027
<b>BEGINNING CASH</b>	<b>727,011</b>	<b>481,561</b>	<b>241,711</b>	<b>469,611</b>	<b>327,211</b>	<b>542,311</b>	<b>102,211</b>
Contributions	160,000	180,000	225,000	235,000	235,000	260,000	225,000
Interest & Vehicle Sales	2,850	1,550	2,900	2,100	3,400	1,400	3,700
Reserves Used	(408,300)	(421,400)	-	(379,500)	(23,300)	(701,500)	-
<b>Projected Year End Cash</b>	<b>481,561</b>	<b>241,711</b>	<b>469,611</b>	<b>327,211</b>	<b>542,311</b>	<b>102,211</b>	<b>330,911</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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Utilities	4520	\$ 35,000	\$ 75,000	\$ 85,000	\$ 90,000	\$ 90,000	\$ 100,000	\$ 100,000
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	1,900	950	1,450	2,000	1,100	2,050	-
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 36,900</b>	<b>\$ 75,950</b>	<b>\$ 86,450</b>	<b>\$ 92,000</b>	<b>\$ 91,100</b>	<b>\$ 102,050</b>	<b>\$ 100,000</b>

EXPENDITURES								
Other Equipment		-	-	-	-	-	-	-
Replacement of Vehicles		-	236,300	-	-	245,700	73,900	301,600
<b>TOTAL</b>		<b>\$ -</b>	<b>\$ 236,300</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 245,700</b>	<b>\$ 73,900</b>	<b>\$ 301,600</b>

MAINTENANCE	EXPENSE OBJECT	2021	2022	2023	2024	2025	2026	2027
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)	2021	2022	2023	2024	2025	2026	2027
5504	FORD F450 - BOX	2006	2026	73,900	20	-	-	-	-	-	73,900	-
1240	FREIGHTLINER AIR SWEEPER	2012	2022	236,300	10	-	236,300	-	-	-	-	-
1241	VACTOR TRUCK 50%	2012	2027	301,600	15	-	-	-	-	-	-	301,600
1540	ELGIN SWEEPER	2015	2025	239,800	10	-	-	-	-	239,800	-	-
1762	WELLS SMALL TRAILER	1995	2025	5,900	30	-	-	-	-	5,900	-	-
<b>TOTALS</b>				<b>\$ 857,500</b>		<b>\$ -</b>	<b>\$ 236,300</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 245,700</b>	<b>\$ 73,900</b>	<b>\$ 301,600</b>

CASH FLOW	2021	2022	2023	2024	2025	2026	2027
<b>BEGINNING CASH</b>	<b>280,279</b>	<b>317,179</b>	<b>156,829</b>	<b>243,279</b>	<b>335,279</b>	<b>180,679</b>	<b>208,829</b>
Contributions	35,000	75,000	85,000	90,000	90,000	100,000	100,000
Interest & Vehicle Sales	1,900	950	1,450	2,000	1,100	2,050	-
Reserves Used	-	(236,300)	-	-	(245,700)	(73,900)	(301,600)
<b>Projected Year End Cash</b>	<b>317,179</b>	<b>156,829</b>	<b>243,279</b>	<b>335,279</b>	<b>180,679</b>	<b>208,829</b>	<b>7,229</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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Utilities	4520	2,500	\$ 3,000	\$ 3,500	\$ 4,000	\$ 4,500	\$ 4,000	\$ 3,500
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	150	150	150	200	200	-	-
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>18080</b>	<b>\$ 2,650</b>	<b>\$ 3,150</b>	<b>\$ 3,650</b>	<b>\$ 4,200</b>	<b>\$ 4,700</b>	<b>\$ 4,000</b>	<b>\$ 3,500</b>

EXPENDITURES								
Other Equipment	-	-	-	-	-	-	-	-
Replacement of Vehicles	-	-	-	-	-	-	45,500	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,500</b>	<b>\$ -</b>

MAINTENANCE	EXPENSE OBJECT	2021	2022	2023	2024	2025	2026	2027
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)	2021	2022	2023	2024	2025	2026	2027
6301	GMC SAVANA Van	2006	2026	45,500	20	-	-	-	-	-	45,500	-
<b>TOTALS</b>				<b>\$ 45,500</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,500</b>	<b>\$ -</b>

CASH FLOW	2021	2022	2023	2024	2025	2026	2027
<b>BEGINNING CASH</b>	<b>24,196</b>	<b>26,846</b>	<b>29,996</b>	<b>33,646</b>	<b>37,846</b>	<b>42,546</b>	<b>1,046</b>
Contributions	2,500	3,000	3,500	4,000	4,500	4,000	3,500
Interest & Vehicle Sales	150	150	150	200	200	-	-
Reserves Used	-	-	-	-	-	(45,500)	-
<b>Projected Year End Cash</b>	<b>26,846</b>	<b>29,996</b>	<b>33,646</b>	<b>37,846</b>	<b>42,546</b>	<b>1,046</b>	<b>4,546</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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Utilities Rental of vehicles	4520	\$ 68,800	\$ 70,000	\$ 75,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 75,000
General Fund Rental of vehicles	4520	-	-	-	100,000	-	-	(100,000)
Interest & Vehicles Sales	395-xxxx	2,500	1,300	1,750	1,750	50	850	650
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 71,300</b>	<b>\$ 71,300</b>	<b>\$ 76,750</b>	<b>\$ 81,750</b>	<b>\$ 180,050</b>	<b>\$ 80,850</b>	<b>\$ (24,350)</b>

EXPENDITURES								
Other Equipment	-	-	-	-	-	-	-	-
Replacement of Vehicles	64,700	271,500	-	85,200	473,900	-	-	-
<b>TOTAL</b>	<b>\$ 64,700</b>	<b>\$ 271,500</b>	<b>\$ -</b>	<b>\$ 85,200</b>	<b>\$ 473,900</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

MAINTENANCE	EXPENSE OBJECT	2021	2022	2023	2024	2025	2026	2027
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)	2021	2022	2023	2024	2025	2026	2027
NEW Corp Fuel Pump and Fuel Line	2018	2038	37,200	20	-	-	-	-	-	-	-
15 GMC S10 4x4 Pick-up	1995	2024	41,500	29	-	-	-	41,500	-	-	-
1246 DODGE 1 TON w/SER BODY	1999	2022	87,600	23	-	87,600	-	-	-	-	-
1247 CAT FORK LIFT V50D	1991	2021	34,700	30	34,700	-	-	-	-	-	-
1248 LINCOLN/WELDER	1994	2024	16,400	30	-	-	-	16,400	-	-	-
1490 HYUNDAI SEDAN	2014	2024	27,300	10	-	-	-	27,300	-	-	-
1569 CATERPILLAR WHL LOADER	1988	2022	183,900	34	-	183,900	-	-	-	-	-
1570 CASE LOADER BACKHOE	1995	2025	139,400	30	-	-	-	-	139,400	-	-
1581 10 YD DUMP TRUCK	1995	2025	334,500	30	-	-	-	-	334,500	-	-
1891 HYUNDAI SONATA HYBRID	2019	2029	30,200	10	-	-	-	-	-	-	-
5602 DODGE CARAVAN	2006	2021	30,000	15	30,000	-	-	-	-	-	-
7421 SELMA TRAILER	2007	2032	12,400	25	-	-	-	-	-	-	-
1690 GENERATOR	2016	2041	68,000	25	-	-	-	-	-	-	-
Miller Dimension 452 Welder	2018	2033	13,800	15	-	-	-	-	-	-	-
<b>TOTALS</b>			<b>\$ 1,056,900</b>		<b>\$ 64,700</b>	<b>\$ 271,500</b>	<b>\$ -</b>	<b>\$ 85,200</b>	<b>\$ 473,900</b>	<b>\$ -</b>	<b>\$ -</b>

CASH FLOW	2021	2022	2023	2024	2025	2026	2027
BEGINNING CASH	407,752	414,352	214,152	290,902	287,452	(6,398)	74,452
Rental income	68,800	70,000	75,000	80,000	180,000	80,000	(25,000)
Interest & Vehicle Sales	2,500	1,300	1,750	1,750	50	850	650
Reserves Used	(64,700)	(271,500)	-	(85,200)	(473,900)	-	-
<b>Projected Year End Cash</b>	<b>414,352</b>	<b>214,152</b>	<b>290,902</b>	<b>287,452</b>	<b>(6,398)</b>	<b>74,452</b>	<b>50,102</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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Utilities	4520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	200	200	200	200	200	350	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>\$ 1,200</b>	<b>\$ 1,200</b>	<b>\$ 1,200</b>	<b>\$ 1,200</b>	<b>\$ 1,200</b>	<b>\$ 1,350</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	2021	2022	2023	2024	2025	2026	2027
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)	2021	2022	2023	2024	2025	2026	2027
8101	HYUNDAI VAN	2007	2032	43,500	25	-	-	-	-	-	-	-
				<b>\$ 43,500</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

CASH FLOW	2021	2022	2023	2024	2025	2026	2027
<b>BEGINNING CASH</b>	<b>28,839</b>	<b>30,039</b>	<b>31,239</b>	<b>32,439</b>	<b>33,639</b>	<b>34,839</b>	<b>36,189</b>
Contributions	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Interest & Vehicle Sales	200	200	200	200	200	350	350
Reserves Used	-	-	-	-	-	-	-
<b>Projected Year End Cash</b>	<b>30,039</b>	<b>31,239</b>	<b>32,439</b>	<b>33,639</b>	<b>34,839</b>	<b>36,189</b>	<b>37,539</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 2021	CAPITAL FACILITIES PLAN						
			2022	2023	2024	2025	2026	2027	
Utilities	4520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund	4520	85,000	95,000	100,000	105,000	110,000	115,000	120,000	
Interest & Vehicles Sales	4520	1,450	1,800	2,250	1,300	950	1,000	1,150	
Internal Service Funds	4520	-	-	-	-	-	-	-	
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 86,450</b>	<b>\$ 96,800</b>	<b>\$ 102,250</b>	<b>\$ 106,300</b>	<b>\$ 110,950</b>	<b>\$ 116,000</b>	<b>\$ 121,150</b>	

EXPENDITURES	2021	2022	2023	2024	2025	2026	2027
Other Equipment	-	-	-	-	-	-	-
Replacement of Vehicles	1,042,400	35,800	26,800	268,100	172,700	177,300	108,200
<b>TOTAL</b>	<b>\$ 1,042,400</b>	<b>\$ 35,800</b>	<b>\$ 26,800</b>	<b>\$ 268,100</b>	<b>\$ 172,700</b>	<b>\$ 177,300</b>	<b>\$ 108,200</b>

MAINTENANCE	EXPENSE OBJECT	2021	2022	2023	2024	2025	2026	2027
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)	2021	2022	2023	2024	2025	2026	2027
1040	HYDRO SEEDER	2010	2025	15,100	15	-	-	-	-	15,100	-	-
1041	WATER TANK TRAILER	2000	2030	14,700	30	-	-	-	-	-	-	-
1042	TRAFFIC BOARD	2010	2030	19,600	20	-	-	-	-	-	-	-
1242	EXCAVATOR TRAILER	2012	2032	5,400	20	-	-	-	-	-	-	-
1243	EXCAVATOR	2012	2032	137,300	20	-	-	-	-	-	-	-
1340	FORD F450 FLATBED	2013	2033	54,400	20	-	-	-	-	-	-	-
1341	CRACK SEALER	2013	2038	80,400	25	-	-	-	-	-	-	-
1440	JOHN DEERE GRADER 14'	2008	2033	196,600	25	-	-	-	-	-	-	-
1441	BITIMOUS APPLICATOR	2014	2034	27,400	20	-	-	-	-	-	-	-
1501	STREET FLUSHER -	1992	2025	357,300	25	-	-	-	-	153,100	-	-
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	22,100	30	-	-	-	22,100	-	-	-
1579	FORD 6-8 YD DUMP	1990	2021	212,000	29	212,000	-	-	-	-	-	-
1597	BOMAG ASPHALT ROLLER	1993	2022	26,300	29	-	26,300	-	-	-	-	-
1598	INGERSOL RAND COMPRESSOR	1993	2023	26,800	27	-	-	26,800	-	-	-	-
1599	GARLAND TRAILER	1985	2025	4,500	40	-	-	-	-	4,500	-	-
1603	FREIGHTLINER 5YD DUMP TRUCK	2001	2021	318,400	19	318,400	-	-	-	-	-	-
1790	INTERNATIONAL 5YD DUMP	2004	2024	246,000	20	-	-	-	246,000	-	-	-
4701	GMC SIERRA 3500 SERVICE TRUCK	2004	2021	83,100	16	83,100	-	-	-	-	-	-
5505	ASPHALT HEATER - will surplus	2005	2015	-	10	-	-	-	-	-	-	-
6501	GMC CANYON PU 4X4	2006	2026	43,200	20	-	-	-	-	-	43,200	-
6502	FORD F550 DUMP TRUCK	2006	2026	91,000	20	-	-	-	-	-	91,000	-
6503	MESSAGE BOARD (7505)	2006	2031	11,500	25	-	-	-	-	-	-	-
6504	PUCKET ASPHALT PAVER	2006	2026	43,100	20	-	-	-	-	-	43,100	-
7501	MONROE SAND SPREADER	2007	2027	21,200	10	-	-	-	-	-	-	21,200
7503	FORD F450 BOX TRUCK	2007	2027	87,000	20	-	-	-	-	-	-	87,000
7505	FORD F550 SIGN TRUCK	2008	2028	88,800	20	-	-	-	-	-	-	-
8501	PF DECKOVER TILT TRAILER	2008	2033	9,100	25	-	-	-	-	-	-	-
NEW	HERB SPRAY ATTACH.	2018	2022	9,500	10	-	9,500	-	-	-	-	-
1640	TRAFFIC CRASH ATTENUATOR	2016	2036	38,800	20	-	-	-	-	-	-	-
1740	CONCRETE CUTTING TRAILER	2017	2047	4,300	30	-	-	-	-	-	-	-
<b>TOTALS</b>				<b>\$ 2,723,800</b>		<b>\$ 1,042,400</b>	<b>\$ 35,800</b>	<b>\$ 26,800</b>	<b>\$ 268,100</b>	<b>\$ 172,700</b>	<b>\$ 177,300</b>	<b>\$ 108,200</b>

CASH FLOW	2021	2022	2023	2024	2025	2026	2027
<b>Cash Balance</b>	<b>974,864</b>	<b>241,529</b>	<b>302,529</b>	<b>377,979</b>	<b>216,179</b>	<b>154,429</b>	<b>93,129</b>
Contributions	85,000	95,000	100,000	105,000	110,000	115,000	120,000
Interest & Sales	1,450	1,800	2,250	1,300	950	1,000	1,150
Reserves Used	(819,785)	(35,800)	(26,800)	(268,100)	(172,700)	(177,300)	(108,200)
<b>Projected Year End Cash</b>	<b>241,529</b>	<b>302,529</b>	<b>377,979</b>	<b>216,179</b>	<b>154,429</b>	<b>93,129</b>	<b>106,079</b>

Surplus boom truck #1360 in Water and Street flusher in 2017 to purchase a 10 yd dump for use by all divisions.



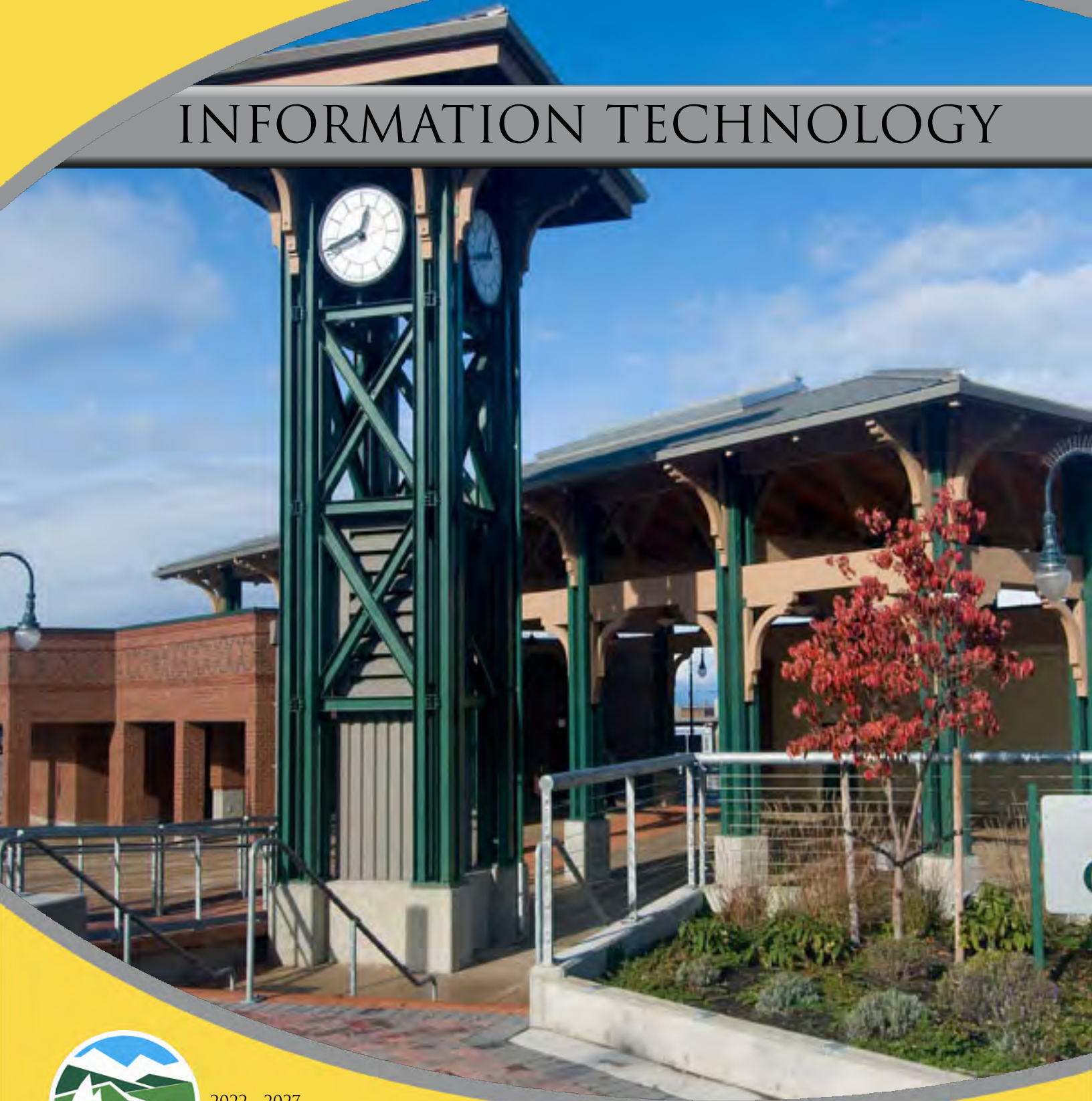
CITY OF PORT ANGELES



2022 - 2027  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN

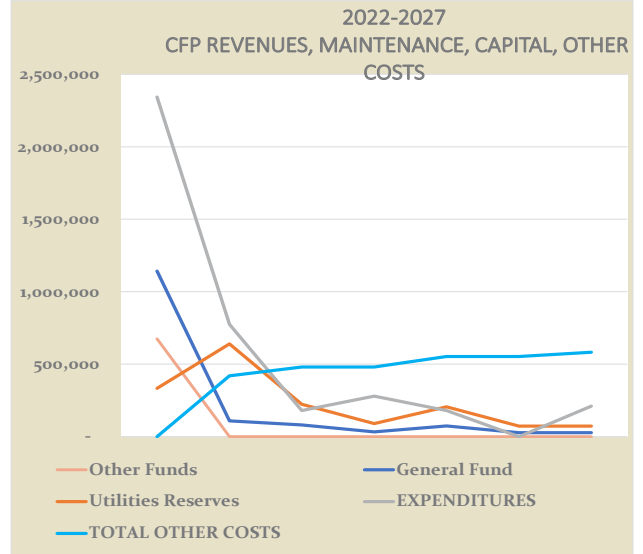


# INFORMATION TECHNOLOGY



# INFORMATION TECHNOLOGY PROJECTS

CFP YEAR: 2022 - 2027  
 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 2021	CAPITAL FACILITY PLAN					
			2022	2023	2024	2025	2026	2027
Utilities Reserves	\$ 548,500	\$ 333,200	\$ 640,000	\$ 223,200	\$ 90,000	\$ 206,000	\$ 72,800	\$ 72,800
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	204,600	1,142,200	108,500	80,300	33,500	74,200	27,400	27,400
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	675,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 753,100</b>	<b>\$ 2,150,400</b>	<b>\$ 748,500</b>	<b>\$ 303,500</b>	<b>\$ 123,500</b>	<b>\$ 280,200</b>	<b>\$ 100,200</b>	<b>\$ 100,200</b>

EXPENDITURES	Prior	2021	2022	2023	2024	2025	2026	2027
Design	-	81,000	-	-	30,000	-	-	-
Construction	264,200	2,261,900	775,000	180,000	250,000	180,000	-	210,000
<b>TOTAL</b>	<b>\$ 264,200</b>	<b>\$ 2,342,900</b>	<b>\$ 775,000</b>	<b>\$ 180,000</b>	<b>\$ 280,000</b>	<b>\$ 180,000</b>	<b>\$ -</b>	<b>\$ 210,000</b>

OTHER OPERATING COSTS	Prior	2021	2022	2023	2024	2025	2026	2027
Labor								
Supplies								
Communications								
Depreciation		-	414,300	474,000	474,000	546,400	546,400	576,400
Other		-	6,000	6,000	6,000	6,000	6,000	6,000
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 420,300</b>	<b>\$ 480,000</b>	<b>\$ 480,000</b>	<b>\$ 552,400</b>	<b>\$ 552,400</b>	<b>\$ 582,400</b>



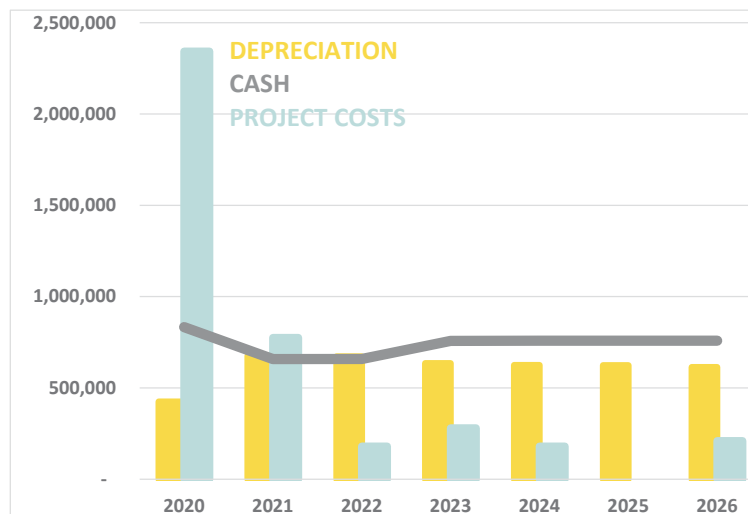
# IT PROJECT LIST & CASH FLOW

INFORMATION TECHNOLOGY PROJECTS		PRIORITY	PROJECT TOTAL	PRIOR YEARS	Budget 2021	CAPITAL FACILITIES PLAN					
Number	Title					2022	2023	2024	2025	2026	2027
IT0714	Data Backup Systems Replacement	R	420,000	-	210,000	-	-	-	-	-	210,000
IT0514	Data Storage Array Systems	R	165,000	15,000	-	150,000	-	-	-	-	-
IT0319	Network Refresh	R	280,000	-	-	-	-	280,000	-	-	-
IT0918	Internal Network Segmentation & VLAN Configuration	A	221,000	211,100	9,900	-	-	-	-	-	-
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	24,000	36,000	-	-	-	-	-	-
IT0716	ERP Road Map & Replacement	1	2,281,000	-	1,756,000	525,000	-	-	-	-	-
IT0219	City Hall Wireless Network	2	21,000	-	21,000	-	-	-	-	-	-
IT1018	UPS Replacement - Disaster Recovery Data Center	3	60,000	-	60,000	-	-	-	-	-	-
IT0617	Executime Scheduling Module	4	30,000	-	30,000	-	-	-	-	-	-
IT0618	Virtual Server Replacements	5	450,000	-	150,000	-	150,000	-	150,000	-	-
IT0320	ESRI Migration to Arc Pro	6	100,000	-	-	100,000	-	-	-	-	-
IT0120	Development Services Permitting Software	UF	100,000	-	-	-	-	-	-	-	-
IT0216	Business License System	UF	125,000	-	-	-	-	-	-	-	-
IT0220	On/Off Boarding Software	UF	25,000	-	-	-	-	-	-	-	-
<b>Total</b>			<b>4,482,100</b>	<b>264,200</b>	<b>2,342,900</b>	<b>775,000</b>	<b>180,000</b>	<b>280,000</b>	<b>180,000</b>	<b>-</b>	<b>210,000</b>

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded

CASH FLOW ANALYSIS	2021	2022	2023	2024	2025	2026	2027
Beginning Cash Balance	1,815,957	833,057	658,072	658,090	758,118	758,136	758,136
<b>Funding sources:</b>							
Utilities Reserves	241,200	475,215	120,258	272,782	120,258	-	140,301
Grants	-	-	-	-	-	-	-
Use of existing reserves in IT	675,000	-	-	-	-	-	-
General Fund	1,107,200	119,985	53,982	98,258	53,982	-	62,979
Interest/Donations	-	-	-	-	-	-	-
Other Funds	11,600	4,815	5,778	8,988	5,778	-	6,741
Project Costs	(2,342,900)	(775,000)	(180,000)	(280,000)	(180,000)	-	(210,000)
<b>Ending Cash Balance</b>	<b>833,057</b>	<b>658,072</b>	<b>658,090</b>	<b>758,118</b>	<b>758,136</b>	<b>758,136</b>	<b>758,157</b>

Depreciation	538,471	425,205	674,986	671,852	635,062	625,432	623,452	613,570
Depreciation to Cash Ratio		1.96	0.97	0.98	1.19	1.21	1.22	1.24



**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund	\$ 155,400	\$ 22,200	\$ 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	7,800
Donations/Insurance Reim.								
Other								
<b>TOTAL</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>	<b>\$ 30,000</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction		210,000						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>\$ 210,000</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$ 420,000**



**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 dependent 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund		\$ 111,000	\$ 16,000	\$ 16,000	\$ 16,000	\$ 16,000	\$ 16,000	\$ 16,000
Grants								
Bonds								
General Fund		54,000	7,500	7,500	7,500	7,500	7,500	7,500
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 165,000</b>	<b>\$ 23,500</b>	<b>\$ 23,500</b>	<b>\$ 23,500</b>	<b>\$ 23,500</b>	<b>\$ 23,500</b>	<b>\$ 23,500</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	15,000		150,000					
<b>TOTAL</b>	<b>\$ 15,000</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	2021	2022	2023	2024	2025	2026	2027
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: \$165,000**



**PROJECT STATUS:** REVOLVING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** TODD WEEKS  
**ESTIMATED LIFE:** 6 YEARS

**ABOUT THE PROJECT:**

The City will evaluate network equipment; such as Cisco Meraki switches, routers and firewalls that 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund		\$ 51,800	\$ 51,800	\$ 51,800	\$ 51,800	\$ 34,600	\$ 34,600	\$ 34,600
Grants								
Bonds								
General Fund		18,200	18,200	18,200	18,200	12,100	12,100	12,100
Donations/Insurance Reim.								
Other								
<b>TOTAL</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>	<b>\$ 46,700</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design					30,000			
Construction					250,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 280,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund	\$ 169,000							
Grants								
Bonds								
General Fund	52,000							
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 221,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	211,100	9,900						
<b>TOTAL</b>	<b>\$ 211,100</b>	<b>\$ 9,900</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund	\$ 7,400							
Grants								
Bonds								
General Fund	2,600							
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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 MARTINEZ-BAILEY  
**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	14,100	30,000		30,000		30,000		
<b>TOTAL</b>	<b>\$ 14,100</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$104,100**



**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.

**JUSTIFICATION:**

Efficiency for staff and customers.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund	\$ 44,000							
Grants								
Bonds								
General Fund	15,600	400						
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 59,600</b>	<b>\$ 400</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	24,000	36,000						
<b>TOTAL</b>	<b>\$ 24,000</b>	<b>\$ 36,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** ACTIVE  
**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. The first phase of this project will include determining workflows in each department to ensure software selected can meet all City needs. In the second phase of this process includes a Request for Proposal (RFP) to select a vendor to replace the current enterprise software system used for financial reporting, community development and utility tracking, billing and reporting. The implementation of a new system is a multi-year process.

**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 as well as options for ease of use for customers. Increased organizational efficiency for internal and external customers and improved productivity is expected with the replacement of the ERP system.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund	\$ 68,000		\$ 450,000					
Grants								
Bonds								
General Fund	13,000	1,000,000	75,000					
Donations/Insurance Reim.								
Other		675,000						
<b>TOTAL</b>	<b>\$ 81,000</b>	<b>\$ 1,675,000</b>	<b>\$ 525,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design		81,000						
Construction		1,675,000	525,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 1,756,000</b>	<b>\$ 525,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$2,281,000**



**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund	\$ 15,500							
Grants								
Bonds								
General Fund	5,500							
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 21,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction		21,000						
<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	2021	2022	2023	2024	2025	2026	2027
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. This will be replaced when the Light Ops building is being completed.

**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund	\$ 44,400							
Grants								
Bonds								
General Fund	15,600							
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 60,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction		60,000						
<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	2021	2022	2023	2024	2025	2026	2027
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:** 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund		\$ 15,000						
Grants								
Bonds								
General Fund		15,000						
Donations/Insurance Reim.								
Other								
<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>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>\$ 150,000</b>	<b>\$ 0</b>	<b>\$ 150,000</b>	<b>\$ 0</b>	<b>\$ 150,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction		150,000		150,000		150,000		
<b>TOTAL</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>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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>

Other operating costs include reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.

**ESTIMATED TOTAL PROJECT COST: \$450,000**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.114363, -123.432072  
**PROJECT MANAGER:** SHALIESH SHERE  
**ESTIMATED LIFE:** 8-10 YEARS

**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.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Electric Fund			\$ 100,000					
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</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	2021	2022	2023	2024	2025	2026	2027
Design								
Construction			100,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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**



# 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 do 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:** 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.



CITY OF PORT ANGELES



2022 - 2027  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN



# TRANSPORTATION IMPROVEMENT PLAN



# TRANSPORTATION BENEFIT DISTRICT TRANSPORTATION IMPROVEMENT PLAN

CFP YEAR: 2022 - 2027  
 MANAGER: JONATHAN BOEHME  
 CONTACT: WWW.CITYOFPA.US  
 PHONE: 360-417-4803

## TRANSPORTATION GOALS AND OBJECTIVES:

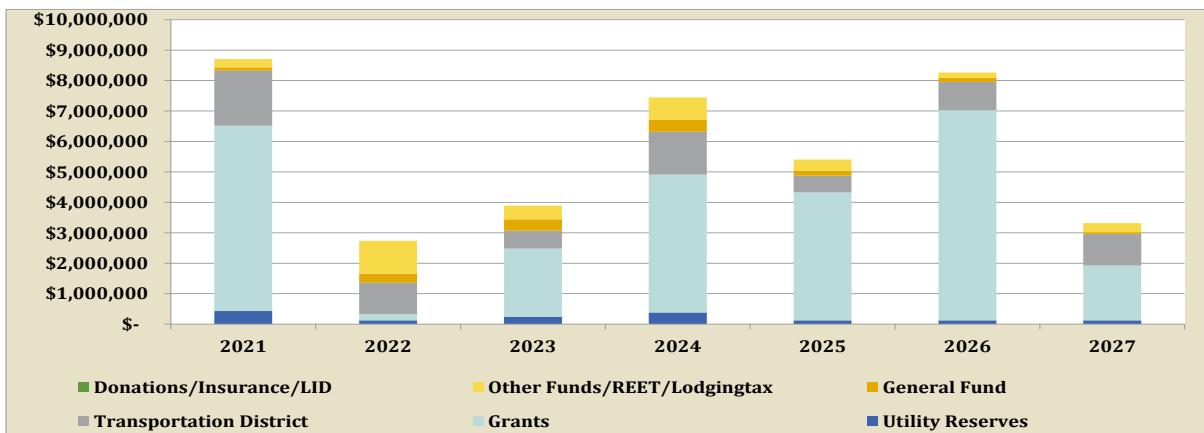
The goal of the Transportation Improvement Plan is to objectively review all streets, curbing, sidewalks and parking areas for damage and needed repair. The transportation goal is to have well maintained streets and sidewalks, to add sidewalks in annexed areas as needed, and provide bicycle transportation 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Utility Reserves	\$ 1,134,900	\$ 428,300	\$ 125,000	\$ 234,700	\$ 384,400	\$ 125,000	\$ 125,000	\$ 125,000
Grants	831,900	6,087,600	202,500	2,247,500	4,525,500	4,200,000	6,900,000	1,800,000
Transportation District	14,500	1,810,000	1,030,000	590,000	1,410,000	550,000	930,000	1,030,000
General Fund	168,600	108,600	302,500	370,000	390,000	160,000	130,000	60,000
Donations/Insurance/LID	-	-	-	-	-	-	-	-
Other Funds/REET/Lodgingtax	369,700	270,000	1,075,000	450,000	738,500	370,000	180,000	300,000
<b>TOTAL</b>	<b>\$ 2,519,600</b>	<b>\$ 8,704,500</b>	<b>\$ 2,735,000</b>	<b>\$ 3,892,200</b>	<b>\$ 7,448,400</b>	<b>\$ 5,405,000</b>	<b>\$ 8,265,000</b>	<b>\$ 3,315,000</b>

EXPENDITURES	Prior	2021	2022	2023	2024	2025	2026	2027
Design	480,400	753,900	336,000	330,000	900,000	120,000	210,000	50,000
Construction	662,400	8,465,800	2,417,200	3,790,000	6,514,000	5,270,000	8,330,000	3,040,000
<b>TOTAL</b>	<b>\$ 1,142,800</b>	<b>\$ 9,219,700</b>	<b>\$ 2,753,200</b>	<b>\$ 4,120,000</b>	<b>\$ 7,414,000</b>	<b>\$ 5,390,000</b>	<b>\$ 8,540,000</b>	<b>\$ 3,090,000</b>

OTHER OPERATING COSTS	Prior	2021	2022	2023	2024	2025	2026	2027
Labor								
Supplies								
Communications								
Depreciation		-	292,500	366,100	468,900	601,200	755,900	887,700
Other -explain				5,000	5,000	5,000	5,000	5,000
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 292,500</b>	<b>\$ 371,100</b>	<b>\$ 473,900</b>	<b>\$ 606,200</b>	<b>\$ 760,900</b>	<b>\$ 892,700</b>



# TRANSPORTATION PROJECT LIST & CASH FLOW

TRANSPORTATION PROJECTS					TRANSPORTATION IMPROVEMENT PLAN							
Number	Title	Type	PRIORITY	PROJECT TOTAL	PRIOR YEARS	BUDGET 2021	2022	2023	2024	2025	2026	2027
<b>TRANSPORTATION BENEFIT DISTRICT PROJECTS</b>												
TR1118	Revolving Street Improvements	Restoration	R	254,500	14,500	60,000	30,000	30,000	30,000	30,000	30,000	30,000
TR0414	Peabody Creek/Lincoln Street Culvert Repair	Restoration	A	3,447,000	89,800	357,200	-	-	3,000,000	-	-	-
TR0218	Lincoln Street Safety	Safety	A	2,020,000	126,000	1,894,000	-	-	-	-	-	-
TR0615	Golf Course Road Chip Seal (1st St to City limits)	Restoration	A	400,000	-	400,000	-	-	-	-	-	-
TR0320	2021 Pavement Preservation	Preservation	A	400,000	-	400,000	-	-	-	-	-	-
TR0121	Pavement Management Plan	Preservation	1	200,000	-	200,000	-	-	-	-	-	-
TR0616	ADA - Francis Street	Restoration	2	315,000	-	315,000	-	-	-	-	-	-
TR0115	N Street Chip Seal (5th to 18th Streets)	Preservation	3	400,000	-	-	400,000	-	-	-	-	-
TR0518	I Street Chip Seal (5th to 16th Streets)	Restoration	4	350,000	-	-	350,000	-	-	-	-	-
TR0316	8th Street Chip Seal (A to I Streets)	Preservation	5	400,000	-	-	400,000	-	-	-	-	-
TR0618	Stevens Middle School Walking Routes	Safety	7	815,000	-	-	15,000	100,000	700,000	-	-	-
TR1799	Truck Route at Hwy 101 Intersection	Mobility	8	7,200,000	-	-	-	100,000	600,000	-	6,500,000	-
TR0420	2023 Pavement Preservation	Preservation	9	400,000	-	-	-	400,000	-	-	-	-
TR0716	ADA - Peabody Street	Pedestrian / Bike	10	320,000	-	-	-	20,000	300,000	-	-	-
TR0119	8th Street Paving (Lincoln to A Streets)	Preservation	11	1,130,000	-	-	-	30,000	-	1,100,000	-	-
TR0221	Marine Dr Paving (Valley to Hill Street)	Preservation	12	1,600,000	-	-	-	-	100,000	1,500,000	-	-
TR0117	Liberty Street Reconstruction	Restoration	13	510,000	-	-	-	10,000	500,000	-	-	-
TR0417	Ennis Street Pavement Repair	Preservation	14	100,000	-	-	-	-	100,000	-	-	-
TR1416	Hamilton School Walking Routes	Pedestrian / Bike	15	1,515,000	15,000	-	-	-	200,000	1,300,000	-	-
TR0915	Park Avenue Paving Overlay (Race to Liberty Streets)	Preservation	16	520,000	-	-	-	-	-	20,000	500,000	-
TR0520	2024 Pavement Preservation	Preservation	17	400,000	-	-	-	-	400,000	-	-	-
TR0620	2026 Pavement Preservation	Preservation	18	400,000	-	-	-	-	-	-	400,000	-
TR0419	Lauridsen Blvd Reconstruction (L St to City Limits)	Restoration	19	1,000,000	-	-	-	-	-	-	100,000	900,000
TR0720	18th Street Chip Seal	Preservation	20	300,000	-	-	-	-	-	-	-	300,000
TR0818	Railroad Ave Overlay	Mobility	21	300,000	-	-	-	-	-	-	-	50,000
TR0219	5th Street Chip Seal (A to M Streets)	Preservation	22	350,000	-	-	-	-	-	-	-	350,000
TR0499	Laurel St/Ahlvers Road Overlay	Restoration	UF	850,000	-	-	-	-	-	-	-	-
TR0816	ADA - Cherry Street	Pedestrian / Bike	UF	340,000	-	-	-	-	-	-	-	-
TR1015	Cherry Street Area Chip Seal	Preservation	UF	750,000	-	-	-	-	-	-	-	-
TR0916	ADA - Oak & Laurel Streets	Pedestrian / Bike	UF	300,000	-	-	-	-	-	-	-	-
TR1899	Lincoln, Laurel and Lauridsen Intersection	Mobility	UF	1,800,000	-	-	-	-	-	-	-	-
TR0104	2nd & Valley Streets Pavement	Restoration	UF	550,000	-	-	-	-	-	-	-	-
TR0308	O Street Improvements	Restoration	UF	1,500,000	-	-	-	-	-	-	-	-
TR0599	Hill Street Intersection Reconstruction	Mobility	UF	485,000	-	-	-	-	-	-	-	-
TR0317	Chase Street Vicinity Chip Seal	Preservation	UF	320,000	-	-	-	-	-	-	-	-
<b>TRANSPORTATION PROJECTS</b>												
TR0405	Alley Paving Revolving Funding	Restoration	R	1,120,100	100	450,000	10,000	250,000	-	10,000	400,000	-
TR1120	Complete Streets Revolving Fund	Pedestrian/Bike	R	500,000	-	-	-	200,000	-	200,000	100,000	-
TR0621	Waterfront Trail Repairs	Safety, Ped / Bike	R	593,000	93,800	109,200	100,000	100,000	100,000	30,000	30,000	30,000
TR0114	Hill Street - Olympic Discovery Trail	Pedestrian / Bike	A	3,941,600	220,100	7,500	-	-	-	-	-	-
TR0209	Race Street Complete Design & Construction Phase I	Civic Improvement	A	5,262,400	516,800	4,745,600	-	-	-	-	-	-
TR0918	Downtown Tree/Sidewalk Replacement Phase III	Pedestrian / Bike	1	300,000	-	-	300,000	-	-	-	-	-
TR0101	Laurel Street Stairs Replacement	Civic Improvement	2	535,000	300	34,700	-	-	-	-	-	-
TR0120	Signal Controller Upgrades 1st/Front	Safety	3	1,585,000	-	-	225,000	1,360,000	-	-	-	-
TR1399	Traffic Signal Interconnect/Preemption	Mobility	4	660,000	-	-	60,000	300,000	300,000	-	-	-
TR1215	City Hall East Parking Lot LID	Restoration	5	751,900	30,200	71,700	-	650,000	-	-	-	-
TR0715	16th Street LID (C to L Streets)	Restoration	6	1,121,000	200	166,800	-	-	954,000	-	-	-
TR1020	N Street Solar Speed Display	Safety	7	30,000	-	-	30,000	-	-	-	-	-
TR0920	Lauridsen Blvd Flashing Beacons	Safety	8	40,000	-	-	-	40,000	-	-	-	-
TR0416	1St/2nd/Valley/Oak Green Alley	Restoration	9	472,200	22,200	-	-	450,000	-	-	-	-
TR0919	Traffic Safety Camera Program	Safety	10	35,000	-	-	35,000	-	-	-	-	-
TR0909	Wayfinding & ODT Signage	Civic Improvement	11	312,000	13,800	-	298,200	-	-	-	-	-
TR1116	School Area Speed Signs (Near Franklin)	Safety	12	50,000	-	-	-	-	50,000	-	-	-
TR0321	Speed Feedback Sign Program	Safety	13	90,000	-	-	-	30,000	-	30,000	-	30,000
TR0220	Traffic Circle Program	Safety	14	1,180,000	-	-	-	-	80,000	1,100,000	-	-
TR0318	8th/10th Street Bike Lanes	Pedestrian / Bike	15	400,000	-	-	-	-	-	20,000	380,000	-
TR0421	Valley Street Culvert Crossing	Restoration	16	1,550,000	-	-	-	-	-	50,000	100,000	1,400,000
TR0821	Facility Assessment	Civic Improvement	17	8,000	-	8,000	-	-	-	-	-	-
TR1109	Marine Drive Bulkhead Repairs	Restoration	18	3,000,000	-	-	-	50,000	-	-	-	-
TR0113	Waterfront Redevelopment Phase III	Civic Improvement	UF	20,000,000	-	-	-	-	-	-	-	-
TR1016	18th Street Bike Accessibility	Pedestrian / Bike	UF	800,000	-	-	-	-	-	-	-	-
TR0212	Caroline Street Slide Repair	Restoration	UF	375,000	-	-	-	-	-	-	-	-
TR1009	1st, Front & Race Street Nodes	Pedestrian / Bike	UF	423,000	-	-	-	-	-	-	-	-
TR0516	Nancy Lane Pavement	Restoration	UF	200,000	-	-	-	-	-	-	-	-
TR0506	Valley Creek Trail Loop	Pedestrian / Bike	UF	100,000	-	-	-	-	-	-	-	-
TR0208	Alternate Cross-Town Route Study	Mobility	UF	220,000	-	-	-	-	-	-	-	-
TR1316	Traffic Control	Safety	UF	300,000	-	-	-	-	-	-	-	-
TR1018	Zig Zag at Oak Street	Civic Improvement	UF	500,000	-	-	-	-	-	-	-	-
TR0619	Race Street Complete Construction Phase II	Civic Improvement	UF	6,000,000	-	-	-	-	-	-	-	-
TR0719	First & Front Street Decoupling	Civic Improvement	UF	-	-	-	-	-	-	-	-	-
TR0819	Sidewalks for Mt Angeles Rd & Porter St	Safety, Ped / Bike	UF	1,000,000	-	-	-	-	-	-	-	-
TR0521	I to M Paving and Sidewalk Local Improvement District	Safety, Ped / Bike	UF	2,000,000	-	-	-	-	-	-	-	-
TR0721	Gales Addition Connector Planning	Pedestrian / Bike	UF	-	-	-	-	-	-	-	-	-
<b>Total</b>				<b>87,396,700</b>	<b>1,142,800</b>	<b>9,219,700</b>	<b>2,753,200</b>	<b>4,120,000</b>	<b>7,414,000</b>	<b>5,390,000</b>	<b>8,540,000</b>	<b>3,090,000</b>

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded



# TRANSPORTATION PROJECT LIST & CASH FLOW

CASH FLOW ANALYSIS	2021B	2022	2023	2024	2025	2026	2027
Beginning Cash Balance	2,984,458	1,424,558	1,190,558	1,203,258	674,758	1,003,758	680,058
<b>Funding sources:</b>							
Utilities Reserves	428,300	125,000	234,700	384,400	125,000	125,000	125,000
Grants	6,087,600	202,500	2,247,500	4,525,500	4,200,000	6,900,000	1,800,000
General Fund	108,600	302,500	370,000	390,000	160,000	130,000	60,000
REET/other	270,000	1,075,000	450,000	738,500	370,000	180,000	300,000
.2% Trans Tax	765,300	814,200	830,500	847,100	864,000	881,300	898,900
Project Costs	(9,219,700)	(2,753,200)	(4,120,000)	(7,414,000)	(5,390,000)	(8,540,000)	(3,090,000)
<b>Ending Cash Balance</b>	<b>1,424,558</b>	<b>1,190,558</b>	<b>1,203,258</b>	<b>674,758</b>	<b>1,003,758</b>	<b>680,058</b>	<b>773,958</b>
<b>Projected Depreciation</b>	<b>1,367,367</b>	<b>1,681,140</b>	<b>1,760,207</b>	<b>1,870,034</b>	<b>2,010,840</b>	<b>2,176,394</b>	<b>2,317,497</b>
<b>Cash to depreciation ratio</b>	<b>1.04</b>	<b>0.71</b>	<b>0.68</b>	<b>0.36</b>	<b>0.50</b>	<b>0.31</b>	<b>0.33</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 2020		ACTUAL	Budget
TR1299	Park Avenue Chip Seal (Peabody to Race Streets)	101,774	130,000
TR1516	Peabody Street Chip Seal Phase I (Lauridsen Blvd to 8th St)	125,771	125,000
TR0215	Peabody Street Chip Seal Phase III (Ahlvers Rd to Park Ave)	151,396	200,000
TR0315	Peabody Street Chip Seal Phase II (Park Ave to Lauridsen Blvd)	217,728	225,000
TR1216	5th & Liberty Streets Solar Speed Display	21,837	50,000
TR0519	Peabody Street Sidewalk Repair	73,255	94,900
<b>TOTAL COMPLETED PROJECTS</b>		<b>691,761</b>	<b>824,900</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 FUNDS		ACTUAL	Budget
2020	Revenue	910,375	796,400
2020	Expenditures	369,124	570,000
<b>TOTAL NET Change</b>		<b>541,251</b>	<b>226,400</b>



# 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District	14,500	60,000	30,000	30,000	30,000	30,000	30,000	30,000
<b>TOTAL</b>	<b>\$ 14,500</b>	<b>\$ 60,000</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>

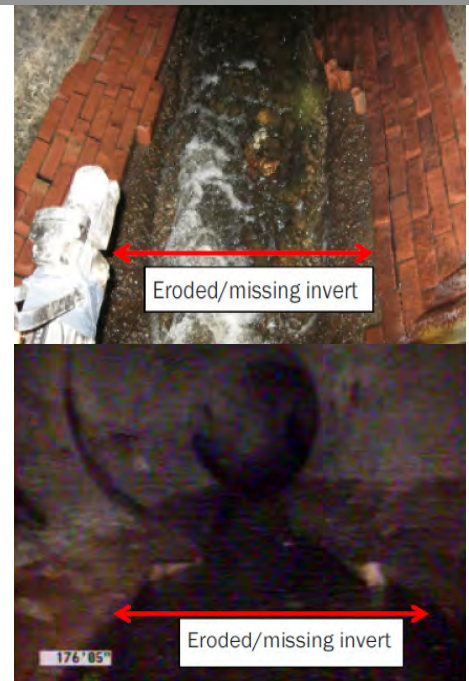
EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	14,500	60,000	30,000	30,000	30,000	30,000	30,000	30,000
<b>TOTAL</b>	<b>\$ 14,500</b>	<b>\$ 60,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$254,500**



**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 is dependent on receiving 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Stormwater Fund	\$ 326,300	\$ 296,300			\$ 259,400			
Grants					2,550,000			
Bonds								
General Fund	15,000							
Donations/Insurance Reim.								
Transportation Benefit District								
<b>TOTAL</b>	<b>\$ 341,300</b>	<b>\$ 296,300</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 2,809,400</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design	89,800	357,200						
Construction					3,000,000			
<b>TOTAL</b>	<b>\$ 89,800</b>	<b>\$ 357,200</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 3,000,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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**



**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 1st and 8th Streets to improve safety. Key elements will include curb extensions, median refuge islands, pedestrian activated beacons, lane channelization, and traffic signal. Grant funding through a WSDOT Bicycle and Pedestrian Safety Program. Consultant construction administration has been added to the project.

**JUSTIFICATION:**

A significant number of collisions involving pedestrians have occurred in this corridor.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants	126,000	1,159,000						
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District		735,000						
<b>TOTAL</b>	<b>\$ 126,000</b>	<b>\$ 1,894,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design	126,000	93,000						
Construction		1,801,000						
<b>TOTAL</b>	<b>\$ 126,000</b>	<b>\$ 1,894,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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>

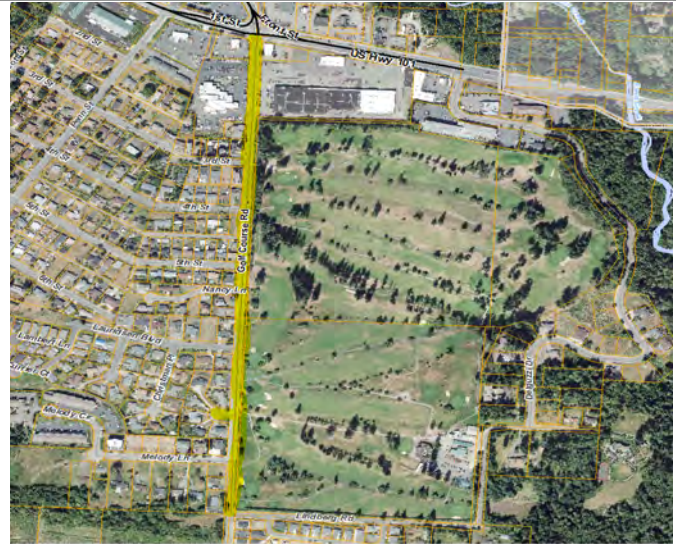
**ESTIMATED TOTAL PROJECT COST: \$2,020,000**



# GOLF COURSE ROAD CHIP SEAL (1ST STREET TO CITY LIMITS)

TR0615

**PROJECT STATUS:** ACTIVE  
**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 paving and chip sealing of Golf Course Road between 1st Street and City Limits. 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District		400,000						
<b>TOTAL</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	2021	2022	2023	2024	2025	2026	2027
Design								
Construction		400,000						
<b>TOTAL</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>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District		400,000						
<b>TOTAL</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	2021	2022	2023	2024	2025	2026	2027
Design								
Construction		400,000						
<b>TOTAL</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>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:**  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 20 YEARS  
**TYPE:** MOBILITY  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**

### ABOUT THE PROJECT:

This plan will assist the City with identifying street maintenance priorities. The City has a large road network of over 310 lane miles. The project will rate the overall condition of the entire street network and highlight the impacts of various funding levels on pavement condition index (PCI) and deferred maintenance funding shortfalls. A comprehensive preventative maintenance program is a critical component of this plan, maintenance treatments extend the life of good pavements at a much lower cost than overlay and reconstruction treatments.

### JUSTIFICATION:

The roads in the City are currently rated at a PCI of 38 on a scale between 100 (very good) and 0 (failed). The intent of this plan is to develop a maintenance strategy and corresponding funding level that will improve the overall condition of the street network.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** 48.114172, -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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants		300,000						
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District		15,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 315,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design		15,000						
Construction		300,000						
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 315,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** 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. Cost effective traffic calming measures will be included in the project. 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund			50,000					
Donations/Insurance Reim.								
Transportation Benefit District			350,000					
<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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
Other				5,000	5,000	5,000	5,000	5,000
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>

Other operating costs include reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.

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



**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. ADA ramp replacements where required will be included. 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund			100,000					
Donations/Insurance Reim.								
Transportation Benefit District			250,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 350,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction			350,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 350,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** 48.123064, -123.463908  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 15 YEARS  
**TYPE:** PRESERVATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**



**ABOUT THE PROJECT:**

The project involves the double chip sealing of 8th Street from A to I Street. Include ADA ramp upgrades. 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants				50,000	600,000			
Bonds								
General Fund								
Donations/Insurance Reim.								
REET			15,000	50,000	100,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 15,000</b>	<b>\$ 100,000</b>	<b>\$ 700,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design			15,000	100,000				
Construction					700,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 15,000</b>	<b>\$ 100,000</b>	<b>\$ 700,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$815,000**



**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:

Improve safety and freight mobility by completion of the US101/SR117 (Truck Route) interchange to allow full movements for freight to travel to and from Port Angeles Harbor to locations east of Port Angeles. The current interchange limits movement from the Port of Port Angeles to locations to the west. The project will add new ramps and channelization to accommodate southbound SR 117 (Truck Route) to eastbound US 101 moves without conflicts. It will also provide some improved channelization for westbound US 101 to northbound SR 117. Construction is dependent upon 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 2021	CAPITAL FACILITIES PLAN						
			2022	2023	2024	2025	2026	2027	
Reserves Utilities Fund									
Grants					500,000			6,500,000	
Bonds									
General Fund Donations/ Insurance Reim.				100,000	100,000				
Transportation Benefit District									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 600,000</b>	<b>\$ 0</b>	<b>\$ 6,500,000</b>	<b>\$ 0</b>	
EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027	
Design				100,000	600,000				
Construction							6,500,000		
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 600,000</b>	<b>\$ 0</b>	<b>\$ 6,500,000</b>	<b>\$ 0</b>	
OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027	
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: \$ 7,200,000**



**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>\$ 400,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction				400,000				
<b>TOTAL</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>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District				20,000	300,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 20,000</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design				20,000				
Construction					300,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 20,000</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$320,000**



**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants						700,000		
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District				30,000		400,000		
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 1,100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design				30,000				
Construction						1,100,000		
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 1,100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$1,130,000**



# MARINE DRIVE PAVING (VALLEY TO HILL STREET)

TR0221

**PROJECT STATUS:** PLANNING  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.1215208, -123.436617  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 25 YEARS  
**TYPE:** PRESERVATION  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**

## ABOUT THE PROJECT:

This project involves the mill and overlay of Marine Dr from Valley Street to Hill Street. Marine Dr is designated as an NHS route and eligible for federal preservation grants. Project dependent on obtaining grant funding. The project is scheduled to be completed following stormwater and wastewater utility projects in the vicinity.

## JUSTIFICATION:

The overlay will extend the life of the pavement.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN						
			2022	2023	2024	2025	2026	2027	
Reserves Utilities Fund									
Grants						1,400,000			
Bonds									
General Fund Donations/ Insurance Reim.									
Transportation Benefit District					100,000	100,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 1,500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>
EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027	
Design					100,000				
Construction						1,500,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 1,500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	
OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027	
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: \$ 1,600,000**



**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. A traffic circle will be evaluated for the 6th and Liberty intersection to improve traffic safety. This project will coordinate with project WT0111 - Liberty Watermain replacement.

**JUSTIFICATION:**

The roadway has experienced structural failure.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund					50,000			
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>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design				10,000				
Construction					500,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 10,000</b>	<b>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$ 510,000**



**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction					100,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** 48.127794, -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 2021	CAPITAL FACILITIES PLAN						
			2022	2023	2024	2025	2026	2027	
Reserves Utilities Fund									
Grants					90,000	1,000,000			
Bonds									
General Fund	15,000				110,000	100,000			
Donations/Insurance Reim.									
REET						100,000			
<b>TOTAL</b>	<b>\$ 15,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 1,200,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design					200,000			
Construction	15,000					1,300,000		
<b>TOTAL</b>	<b>\$ 15,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 1,300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$1,515,000**



# PARK AVENUE PAVING OVERLAY (RACE TO LIBERTY STREETS)

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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								100,000
Donations/Insurance Reim.								
Transportation Benefit District						20,000	400,000	
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 20,000</b>	<b>\$ 500,000</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design						20,000		
Construction							500,000	
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 20,000</b>	<b>\$ 500,000</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$520,000**



**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 2021	CAPITAL FACILITIES PLAN						
			2022	2023	2024	2025	2026	2027	
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>\$ 400,000</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
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>\$ 400,000</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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. Construction will depend on a grant with a match from TBD.

**JUSTIFICATION:**

The roadway is experiencing structural failure.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								600,000
Bonds								
General Fund								
Donations/Insurance Reim.								
Transportation Benefit District							100,000	300,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 900,000</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design							100,000	
Construction								900,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 100,000</b>	<b>\$ 900,000</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$1,000,000**



**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** 48.11918, -123.4326137  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** MOBILITY  
**TRANSPORTATION BENEFIT DISTRICT FUNDED**

**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. Total Cost is estimated at 300,00. The portion after 2027 is unfunded.

**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.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund Donations/ Insurance Reim.								
Transportation Benefit District								50,000
<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>\$ 50,000</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								50,000
Construction								
<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>\$ 50,000</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 350,000</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction								350,000
<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>\$ 350,000</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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**



# 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.

## LAUREL STREET/AHLVERS ROAD OVERLAY

TR0499

**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:** \$850,000

### 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 REVOLVING FUND

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. Funding in 2021 \$450,000 to 6/7 Alley between Francis and Washington and 4/5 Alley between Francis and Eunice, 2023 \$250,000 to Front/First Alley between Race and Washington and Front Georgiana Alley between Race 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Solid Waste Fund	\$ 780,000	\$ 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>\$ 780,000</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	2021	2022	2023	2024	2025	2026	2027
Design			10,000			10,000		
Construction	100	450,000		250,000			400,000	
<b>TOTAL</b>	<b>\$ 100</b>	<b>\$ 450,000</b>	<b>\$ 10,000</b>	<b>\$ 250,000</b>	<b>\$ 0</b>	<b>\$ 10,000</b>	<b>\$ 400,000</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$1,120,100**



**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. Propose revenue from street vacations.

**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other			100,000	100,000	100,000	100,000	100,000	100,000
<b>TOTAL</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>	<b>\$ 100,000</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
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>\$ 200,000</b>	<b>\$ 0</b>	<b>\$ 200,000</b>	<b>\$ 100,000</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** REVOLVING  
**PRESENT CONDITION:** POOR  
**LATITUDE / LONGITUDE:** 48.1117043, -123.4189687  
**PROJECT MANAGER:** JONATHAN BOEHME/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, & 2021 not funding this project could result in additional sections of the trail could result in failure.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants		32,000						
Bonds								
General Fund	51,000	100,000	100,000	100,000	100,000	30,000	30,000	30,000
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 51,000</b>	<b>\$ 132,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	93,800	109,200	100,000	100,000	100,000	30,000	30,000	30,000
<b>TOTAL</b>	<b>\$ 93,800</b>	<b>\$ 109,200</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$593,000**



**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 was approved for a \$1,421,700 Washington State Recreation and Conservation Office (RCO) grant, although that funding has been returned due to the failure to acquire a required 30% grant match. This match hinged on a 2020 Pedestrian and Bicycle Safety Grant for \$2.08 million that was not awarded to the City. Construction funding has been removed and placed in parking lot.

**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants	198,000							
Bonds		600						
General Fund								
Donations/Insurance Reim.								
REET	29,000							
<b>TOTAL</b>	<b>\$ 227,000</b>	<b>\$ 600</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design	220,100	7,500						
Construction								
<b>TOTAL</b>	<b>\$ 220,100</b>	<b>\$ 7,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

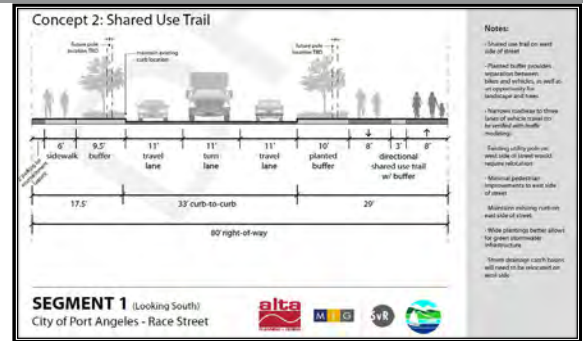
  

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
Other								
<b>TOTAL OTHER COSTS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**ESTIMATED TOTAL PROJECT COST: \$3,941,600**



**PROJECT STATUS:** ACTIVE  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.109905298, -123.421770572  
**PROJECT MANAGER:** 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. Also \$485,000 in funding for construction 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. An additional \$550,000 has been awarded through STP. The total cost of Phase 1 Construction is \$4.7 million. 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 2021	CAPITAL FACILITIES PLAN						
			2022	2023	2024	2025	2026	2027	
Reserves Utilities Fund									
Grants	486,100	4,365,000							
Bonds									
General Fund Donations/ Insurance Reim.	47,600								
REET	93,700	270,000							
<b>TOTAL</b>	<b>\$ 627,400</b>	<b>\$ 4,635,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design	516,800	32,000						
Construction		4,713,600						
<b>TOTAL</b>	<b>\$ 516,800</b>	<b>\$ 4,745,600</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$5,262,400**



**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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 2021-2022 with construction in 2022-2023.

**JUSTIFICATION:**

The condition of the stairs is poor, causing costly maintenance and repairs.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
REET	35,000		500,000					
<b>TOTAL</b>	<b>\$ 35,000</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	2021	2022	2023	2024	2025	2026	2027
Design	300	34,700						
Construction			500,000					
<b>TOTAL</b>	<b>\$ 300</b>	<b>\$ 34,700</b>	<b>\$ 500,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$535,000**



**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 2021	CAPITAL FACILITIES PLAN						
			2022	2023	2024	2025	2026	2027	
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>\$ 225,000</b>	<b>\$ 1,360,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design			225,000					
Construction				1,360,000				
<b>TOTAL</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>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
REET			60,000	300,000	300,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 60,000</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction			60,000	300,000	300,000			
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 60,000</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** 48.112243000, -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 (DOE) has offered the City a \$102,000 project design grant with no match requirements. The remaining amount needed will be funded from the General Fund. An grant for project construction will be applied for from DOE.

**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund	\$ 8,600							
Grants	21,600	71,800		500,000				
Bonds								
General Fund				150,000				
Donations/Insurance Reim.								
REET								
<b>TOTAL</b>	<b>\$ 30,200</b>	<b>\$ 71,800</b>	<b>\$ 0</b>	<b>\$ 650,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design	30,200	71,700						
Construction				650,000				
<b>TOTAL</b>	<b>\$ 30,200</b>	<b>\$ 71,700</b>	<b>\$ 0</b>	<b>\$ 650,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$751,900**



**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 (ECY) has offered the City a grant with no match requirements for project design. Construction is dependent on obtaining a grant.

### 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Stormwater Fund		\$ 7,000						
Grants	200	159,800	0		715,500			
Bonds								
General Fund								
Donations/Insurance Reim.								
REET			0		238,500			
<b>TOTAL</b>	<b>\$ 200</b>	<b>\$ 166,800</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 954,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design	200	166,800						
Construction					954,000			
<b>TOTAL</b>	<b>\$ 200</b>	<b>\$ 166,800</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 954,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$1,121,000**



**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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund			30,000					
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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:** 48.106475, -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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund				40,000				
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 40,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction				40,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 40,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** 48.120439, -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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Solid Waste Fund	\$ 20,000			\$ 109,700				
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>\$ 447,200</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction	22,200			450,000				
<b>TOTAL</b>	<b>\$ 22,200</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	2021	2022	2023	2024	2025	2026	2027
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:** 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund	35,000							
Donations/Insurance Reim.								
Other								
<b>TOTAL</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	2021	2022	2023	2024	2025	2026	2027
Design								
Construction			35,000					
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 35,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
Design	13,800		86,000					
Construction			212,200					
<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	2021	2022	2023	2024	2025	2026	2027
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:** 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 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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  
**CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** VARIOUS  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 20 YEARS  
**TYPE:** SAFETY

**ABOUT THE PROJECT:**  
 The project will install and maintain solar powered electronic speed signs at priority locations in the City.

**JUSTIFICATION:**  
 To improve safety on arterial streets.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund Donations/				30,000		30,000		30,000
Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 30,000</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction				30,000		30,000		30,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 30,000</b>	<b>\$ 0</b>	<b>\$ 30,000</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$90,000**



**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 2021	CAPITAL FACILITIES PLAN						
			2022	2023	2024	2025	2026	2027	
Reserves Utilities Fund									
Grants					70,000	1,100,000			
Bonds									
General Fund					10,000				
Donations/Insurance Reim.									
Other									
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 80,000</b>	<b>\$ 1,100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design								
Construction					80,000	1,100,000		
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 80,000</b>	<b>\$ 1,100,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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:** 48.1218317, -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 2021	CAPITAL FACILITIES PLAN						
			2022	2023	2024	2025	2026	2027	
Reserves Utilities Fund									
Grants								300,000	
Bonds									
General Fund									
Donations/Insurance Reim.							20,000	80,000	
Other									
<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	2021	2022	2023	2024	2025	2026	2027
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	2021	2022	2023	2024	2025	2026	2027
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  
**CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.114320 / -123.445981  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** RESTORATION



**ABOUT THE PROJECT:**

The project will start with an alternative analysis to determine the preferred method to address the failing bridge, alternatives to consider include bridge replacement, and property acquisition and bridge removal. Should replacement be warranted the project will remove and replace the expired and antiquated Valley Creek Bridge with a new concrete box culvert designed to meet modern fish-passage requirements. The bridge provides sole access to properties and residences on the east side of Valley Creek. It is unknown if this project could qualify for grant funding as a fish passage project. A review of potential grant opportunities is proposed in the near future.

**JUSTIFICATION:**

The existing culvert is unable to adequately convey Valley Creek's seasonal high-water flow. During a back-water event, water is pushed between the culvert and the bridge deck undermining the roadbed and destabilizing the bridge supports. Annual maintenance and repair work performed by Operations Staff can only temporarily extend the life of the facility. Bridge failure would cut-off access to four single family homes residing on the east side of the Creek. An additional environmental benefit would be achieved as the expended and outdated culvert would be removed or if determined in the alternative analysis be replaced with a box culvert designed to meet all modern fish-passage minimum standards.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds							100,000	1,200,000
General Fund Donations/ Insurance Reim.								
REET							50,000	200,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 1,400,000</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design						50,000	100,000	
Construction								1,400,000
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 100,000</b>	<b>\$ 1,400,000</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$1,550,000**



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

**ABOUT THE PROJECT:**

Perform a topographic survey and utilization review of the Public Works Corp Yard to evaluate upgrade alternatives and optimize the use of the facility. This project represents the Transportation funds contribution to the overall effort. Equal contributions from each utility including Solid Waste (SW0221), Stormwater (DR0121), Wastewater (WW0121), and from the Water fund (WT0321) in the amount of \$8,000 to equal a total amount of \$40,000.



**JUSTIFICATION:**

Public Works must continue delivering essential services to the community in an efficient and timely manner while also meeting all regulatory minimum standards. The Corp Yard is approximately 40 years old and operational needs have evolved since its inception. This comprehensive review effort will provide management with the necessary information to assess current utilization, optimize ongoing logistics and use of the site, and will include future needs assessment to begin the planning for necessary upgrades to meet the needs of the community.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Water Fund		\$ 8,000						
Grants								
Bonds								
General Fund								
Donations/Insurance Reim.								
Other								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 8,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design		8,000						
Construction								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 8,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$8,000**



**PROJECT STATUS:** PRE-PLANNING  
**CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** 48.124866627, -123.453931331  
**PROJECT MANAGER:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 80 YEARS  
**TYPE:** RESTORATION



**ABOUT THE PROJECT:**

The project will start with an alternative analysis to determine the preferred method to repair or replace 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 design/ construction 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 analysis will compare the benefit/costs of fixing the most deteriorated areas compared to a full scale replacement. The initial analysis will occur prior to TR0221 Marine Dr Paving to determine if coordination of these projects is feasible. Design and construction is unfunded at an estimated \$2.95 million.

**JUSTIFICATION:**

Erosion could cause the failure of the wall with loss of this section of the Olympic Discovery Trail, impacts to the Marina, and traffic impacts.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2021	CAPITAL FACILITIES PLAN					
			2022	2023	2024	2025	2026	2027
Reserves Utilities Fund								
Grants								
Bonds								
General Fund Donations/ Insurance Reim. REET				50,000				
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

EXPENDITURES	PRIOR	2021	2022	2023	2024	2025	2026	2027
Design				50,000				
Construction								
<b>TOTAL</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

OTHER OPERATING COSTS	PRIOR	2021	2022	2023	2024	2025	2026	2027
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: \$3,000,000**



# 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.

## 18TH STREET BIKE ACCESSIBILITY

TR1016

**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.



**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.



**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** MULTIPLE LOCATIONS  
**PROJECT MANAGERS:** JONATHAN BOEHME  
**ESTIMATED LIFE:** 50 YEARS  
**TYPE:** RESTORATION  
**ESTIMATED TOTAL PROJECT COST:** \$2,000,000

**ABOUT THE PROJECT:**

Create a local improvement district to pave gravel roads between I St and M Street and 10th and 12th Streets. Scope of work will include suburban street standard with HMA, sidewalk, ditches.

**JUSTIFICATION:**

These blocks have gravel surfacing with leads to dust in the summer and potholes in the winter.

**PROJECT STATUS:** UNFUNDED  
**PRESENT CONDITION:** FAIR  
**LATITUDE / LONGITUDE:** UNKNOWN  
**PROJECT MANAGER:**  
**ESTIMATED LIFE:** 50 YEARS  
**ESTIMATED TOTAL PROJECT COST:** UNKNOWN

**ABOUT THE PROJECT:**

The City has identified a need for a plan for an additional alternate route for the Olympic Discovery Trail in the event of a large and lengthy closure of the waterfront portion of the trail. This project is just to explore the options and needs for such an alternate route and allow for connection from the Gales Addition to the trail.

**JUSTIFICATION:**

The addition of an alternate multipurpose trail will allow continued access along the peninsula.



CITY OF PORT ANGELES



2022 - 2027  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN



# 2020 COMPLETED PROJECTS



# 2020 COMPLETED PROJECTS - GOVERNMENTAL PROJECTS

## GENERAL GOVERNMENT CAPITAL PROJECTS

PROJECTS COMPLETED IN 2020		Actual	Budget
GG1113	Facility Security Projects	49,872	91,000
PD0116	Mobile Data Terminal Replacements	16,731	25,000
PD0307	Police Regional Training & Gun Range Facility	39,360	40,000
PD0120	Police Taser Replacements	13,056	13,100
PD0119	Computer Aided Dispatch	261,351	260,000
FD0219	EOC/911/Westside Fire Station	62,840	48,000
PK0216	Facility Improvement Revolving Fund	16,519	15,000
PK0418	Civic Field Upgrades	136,315	135,200
PK0318	Waterfront Trail Rip-Rap Repair	93,809	103,000
PK0520	Civic Field Goal Posts	9,562	9,600
<b>TOTAL COMPLETED PROJECTS</b>		<b>699,415</b>	<b>739,900</b>

## EQUIPMENT SERVICES

PROJECTS COMPLETED IN 2020		Actual	Budget
Parks & Recreation		49,483	49,400
Light Operations		35,885	36,400
Wastewater		62,137	62,400
<b>TOTAL COMPLETED PROJECTS</b>		<b>147,505</b>	<b>148,200</b>

## TRANSPORTATION PROJECTS

PROJECTS COMPLETED IN 2020		Actual	Budget
TR1299	Park Avenue Chip Seal (Peabody to Race Streets)	101,774	130,000
TR1516	Peabody Street Chip Seal Phase I (Lauridsen Blvd to 8th St)	125,771	125,000
TR0215	Peabody Street Chip Seal Phase III (Ahlvers Rd to Park Ave)	151,396	200,000
TR0315	Peabody Street Chip Seal Phase II (Park Ave to Lauridsen Blvd)	217,728	225,000
TR1216	5th & Liberty Streets Solar Speed Display	21,837	50,000
TR0519	Peabody Street Sidewalk Repair	73,255	94,900
<b>TOTAL COMPLETED PROJECTS</b>		<b>691,761</b>	<b>824,900</b>



# 2020 COMPLETED PROJECTS - UTILITY PROJECTS

## MEDIC 1

PROJECTS COMPLETED IN 2020		Actual	Budget
CAPM1	Medic 1 revolving	170,729	183,200
<b>TOTAL COMPLETED PROJECTS</b>		<b>170,729</b>	<b>183,200</b>

## ELECTRIC PROJECTS

PROJECTS COMPLETED IN 2020		Actual	Budget
CL0319	Underground Cable Replacement 2020	147,617	200,000
CLCAP/CL0212	Overhead/Distribution/Poles/Yard lighting	53,435	200,000
<b>TOTAL COMPLETED PROJECTS</b>		<b>201,052</b>	<b>400,000</b>

## WATER PROJECTS

PROJECTS COMPLETED IN 2020		Actual	Budget
WT0118	Ranney Well Roof	60,550	90,000
WT0520	Sodium Hypochlorite Generation System	143,327	151,200
<b>TOTAL COMPLETED PROJECTS</b>		<b>203,877</b>	<b>241,200</b>

## WASTEWATER PROJECTS

PROJECTS COMPLETED IN 2020		Actual	Budget
CAPWW	Misc Pumps for WWTP	21,586	126,000
<b>TOTAL COMPLETED PROJECTS</b>		<b>21,586</b>	<b>126,000</b>



CITY OF PORT ANGELES



2022 - 2027  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN





LINK TO CITY OF PORT ANGELES'  
COMPREHENSIVE PLAN & STRATEGIC PLAN  
& COMPARISON TO PRIOR YEAR  
CAPITAL FACILITIES 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 2021, 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:**

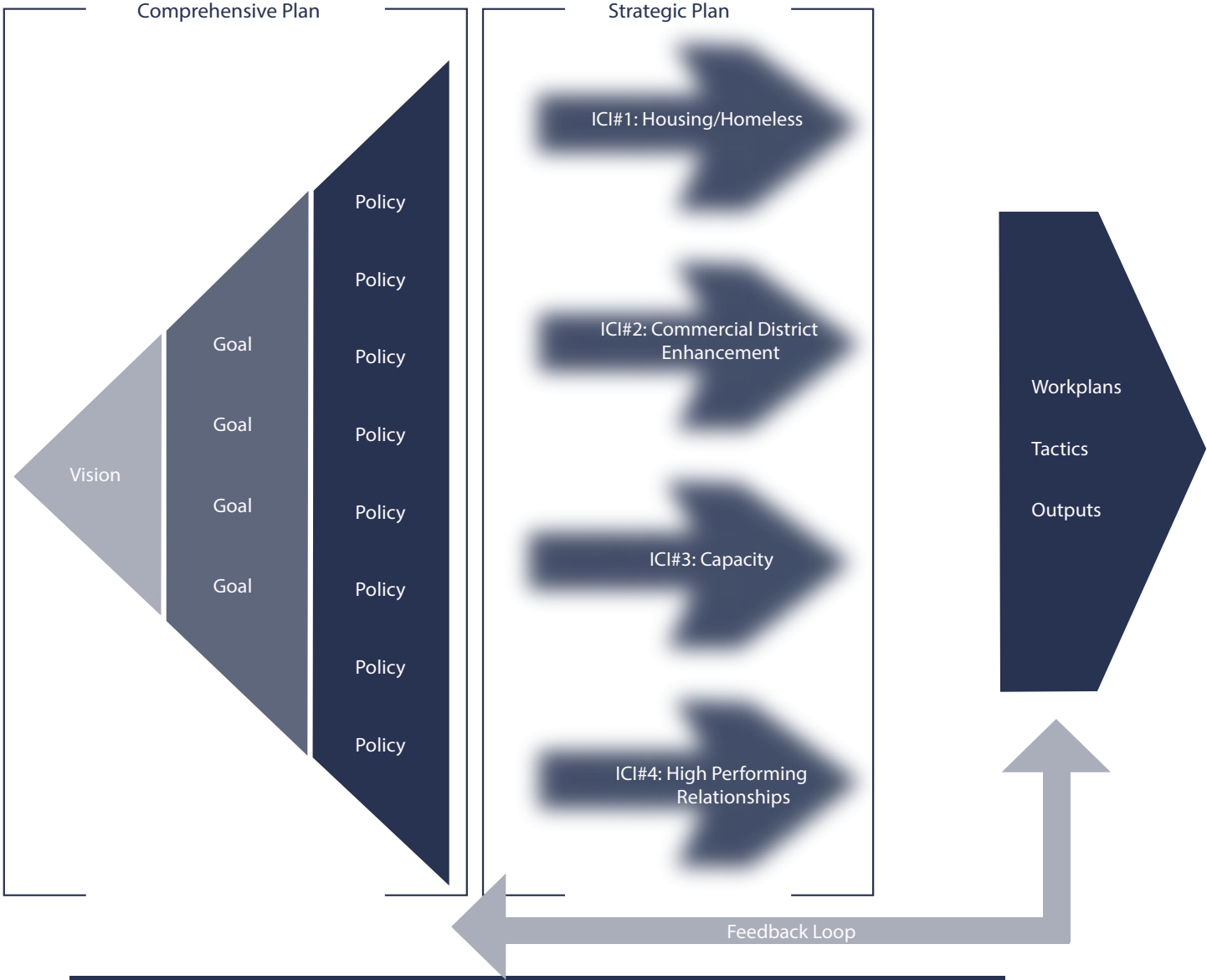
- O-4.01 Design and develop the following segments of the Olympic Discovery Trail:
  - o Marine Drive to 10th Street
  - o City Pier along Railroad Avenue to Laurel Street
  - o Other segments as funding and opportunity provide, coordinated with the City’s park, street and trail systems.
- O-4.02 – Identify 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).



# CITY OF PORT ANGELES' STRATEGIC PLAN

## Strategic Plan 2021 - 2022

## Exhibit A

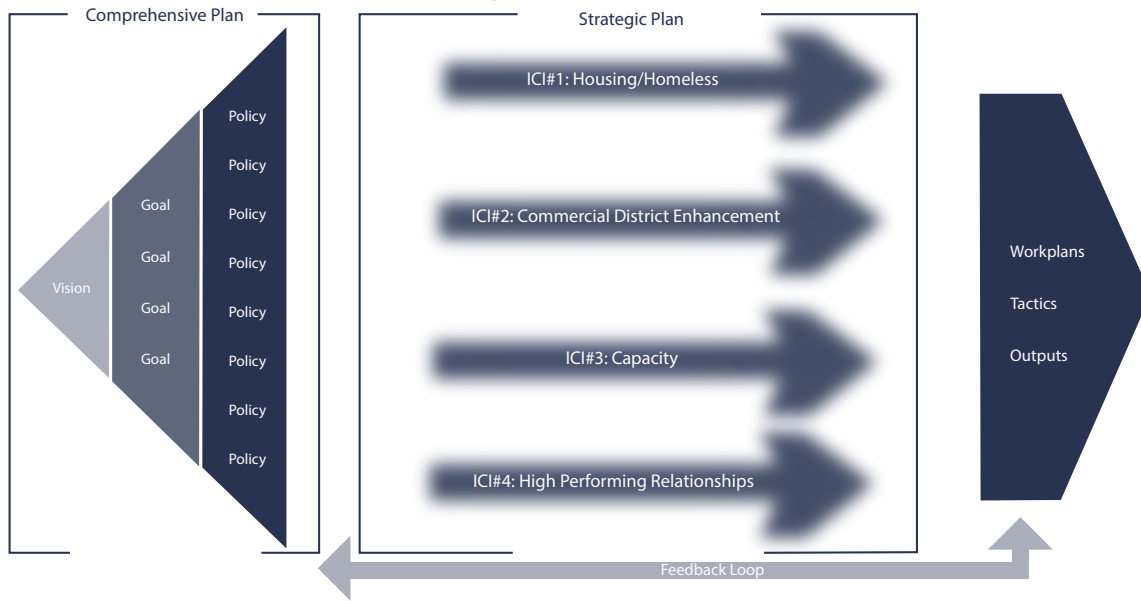


**Issue of Critical Importance (ICI) Focus Areas**

**\*Pandemic Recovery**  
 GOAL: Recover from the Pandemic in a way that emphasizes partnerships, innovation, and growth as tools to meet the community's needs



# Strategic Plan 2021 - 2022



## Issues of Critical Importance (ICI)

### \*Pandemic Recovery

GOAL: Recover from the Pandemic in a way that emphasizes partnerships, innovation, & growth as tools to meet the community's needs

ICI	Goals	Focus Areas
ICI#1: Housing/Homeless	<p>Every PA resident has a safe and affordable place to live.</p> <ul style="list-style-type: none"> <li>Take concrete steps to increase housing units of all types, with a particular focus on affordable and permanent supportive housing.</li> <li>Provide appropriate services to our residents experiencing homelessness.</li> </ul>	<ol style="list-style-type: none"> <li># and % increase in overall housing units</li> <li># of unhoused people moving to housing</li> <li>Established land use plan and policies to meet housing needs for all demographics over next 20 of years</li> <li># of affordable units built</li> <li>% of family income spent on housing and utilities</li> <li># of Community Paramedic contacts will have at least one (1) successful referral for needed services</li> <li>% of new REDisCOVERY contacts will have at least one (1) successful referral to services</li> <li># of Senior meals served</li> </ol>
ICI#2: Commercial District Enhancement	<p>Prioritize business support through enhancement of our commercial districts:</p> <ul style="list-style-type: none"> <li>Adopt and identify city actions to make downtown walkable, clean, safe and vibrant.</li> <li>Prioritize multiple commercial centers while maintaining the multimodal needs of people and commerce.</li> </ul>	<ol style="list-style-type: none"> <li>Plan is accepted</li> <li>City has implementation plan that compliments other plans</li> <li>We have moved from planning to action</li> <li>Businesses and residents are engaged in outcome</li> <li>Infrastructure and policies that allow for multiple commercial centers to succeed</li> </ol>
ICI#3: Capacity	<p>Build capacity of the city to better meet the community's needs, invest in improvements, focus on improving economic outcomes and maintain what we have.</p>	<ol style="list-style-type: none"> <li>Stabilize revenue</li> <li>Regional focus on success of local business (i.e. grow and retain current business, attract living wage jobs)</li> <li>CFP backlog is reduced</li> <li>Residents are more financially secure</li> </ol>
ICI#4: High Performing Relationships	<p>Prioritize focus on high performing relationships and partnerships so that the entire city will better achieve these goals - while increasing trust and cohesion for council, staff, and the broader community.</p>	<ol style="list-style-type: none"> <li>We are all focused (achieving) on the plan</li> <li>Partners (i.e. business, nonprofit, tribal, advisory committees, residents, other governments) are at the table</li> <li>We move at the speed of trust</li> <li>Everyone is focused on strong relationships and partnerships</li> <li>Community sees Port Angeles as a respectful team player</li> </ol>



# 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	ICI #1, ICI #3
GG1113	Facility Security Projects	Facility			ICI #3
GG0416	City Hall Fire Suppression System	Facility			ICI #3
GG0516	Senior Center Fire Suppression System	Facility			ICI #3
GG0119	Ennis Creek Fish Barrier Removal	Transportation			ICI #2, ICI #3
GG0121	Broadband Improvement Feasibility Study	Feasibility			
GG0916	Valley Creek Restoration Phase 3	Civic Improvement			ICI #3
<b>PUBLIC SAFETY</b>					
FD0415	Fire Dept Turn-Out Gear	Public Safety			ICI #2, ICI #3
FD0615	Fire Hoses	Public Safety			ICI #2, ICI #3
FD0218	Self Contained Breathing Apparatus	Public Safety			ICI #2, ICI #3
CAPPC	Pencom Capital	Public Safety			ICI #3, ICI #4
PD0307	Police Regional Training & Gun Range Facility	Public Safety			ICI #3
PD0116	Mobile Data Terminal Replacements	Public Safety			ICI #2, ICI #3
PD0120	Police Taser Replacements	Public Safety			ICI #2, ICI #3
PD0119	Computer Aided Dispatch/Law Enforcement Reco	Public Safety			ICI #3
FD0315	Fire Station Garage Door	Facility			ICI #2, ICI #3
FD0318	Emergency Management Pods	Public Safety			ICI #3
PD0121	EOC/911 Dispatch (Pencom center)	Public Safety			ICI #3
FD0121	West Side Fire Station	Public Safety			ICI #3
FD0120	Fire Station Front Driveway Repair	Facility			ICI #3
GG0616	Fire Hall HVAC	Facility			ICI #3
FD0216	Fire Training Facility	Public Safety			ICI #3
FD0316	Senior Center EOC Generator	Public Safety			ICI #3
FD0416	Radio Transmitter Generator	Public Safety			ICI #3
<b>PARKS AND RECREATION</b>					
PK0216	Facility Improvement Revolving Fund	Facility			ICI #3
PK0205	Restroom Replacement Program	Parks		G-10A; G-10B	ICI #3
PK0418	Civic Field Upgrades	Facility/Parks			ICI #3
PK0819	City Pier Railing Replacement	Transportation		G-10A, P-10B.04	ICI #3
PK0120	24 Hour Restroom Pilot Project	Facility/Parks		G-10A; G-10B	ICI #3
PK0220	Field Turf at Volunteer Field	Parks		P-10B.04	ICI #3
PK0219	Generation II Dream Playground	Parks		P-10B.04	ICI #3
PK0719	Parks Maintenance Building	Facility/Parks			ICI #3
PK0919	Fine Arts Center Capital Improvements	Facility/Parks		P-10B.04	ICI #3
PK0119	Erickson Playfield Pump Track	Parks			ICI #3
PK0519	City Pier Hillside Stabilization (Peabody Creek)	Transportation		P-10B.04	ICI #3
PK0316	Locomotive #4 Refurbishment	Civic Improvement			ICI #3
PK0319	City Pier Inspection Repairs	Transportation		P-10B.04	ICI #3
PK0320	HVAC Upgrades at City Hall & Sr Center	Facility			ICI #3
PK0406	Shane & Elks Field Lighting	Parks		G-10A; G-10B	ICI #3
PK0420	Ediz Hook Boat Launch Repairs	Facility/Parks			ICI #3
PK0802	Neighborhood Park Development	Parks		G-10A; G-10B	ICI #3

PROJECT NUMBER	PROJECT DESCRIPTION ELECTRIC	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
<b>MEDIC 1</b>					
CAPM1	Medic 1 Revolving	Public Safety			ICI #3
FD0118	Defibrillator Revolving Account	Public Safety			ICI #3



PROJECT NUMBER	PROJECT DESCRIPTION ELECTRIC	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
<b>ELECTRIC</b>					
CLCAP	Maintenance Capital Contribution			G-5D	ICI #3
CL0414	Light Ops Building			G-5D	ICI #3
CL0916	Replace Laurel St Substations Switchgear			G-5D	ICI #3
CL0220	Laurel Street LTC Replacement			G-5D	ICI #3
CL0716	"F" Street Substation Transformer and Switchgear			G-5D	ICI #3
CL0320	F Street LTC Replacement			G-5D	ICI #3
CL0119	Overhead Reconductoring - 2020			G-5D	ICI #3
CL0419	Underground Cable Replacement - 2021			G-5D	ICI #3
CL0620	Electric Vehicle Charging Station		G-4A; P-4A.06; G-5D; P-5D.04		ICI #3
CL0217	I Street Substation SwitchGear			G-5D	ICI #3
CL0420	College Street LTC Replacement			G-5D	ICI #3
CL0919	Replace "A" Street Substation Breaker			G-5D	ICI #3
CL0519	Underground Cable Replacement - 2022			G-5D	ICI #3
CL0216	City / PUD Service Area Agreement			G-5D	ICI #3
CL0117	Washington Street Substation SwitchGear			G-5D	ICI #3
CL0819	Overhead Reconductoring - 2023			G-5D	ICI #3
CL0619	Underground Cable Replacement - 2023			G-5D	ICI #3
CL0719	Underground Cable Replacement - 2024			G-5D	ICI #3
CL1019	Underground Cable Replacement - 2025			G-5D	ICI #3
CL0221	Underground Cable Replacement - 2026			G-5D	ICI #3
CL0120	F Street Transformer Replacement			G-5D	ICI #3
CL0121	Overhead Reconductoring - 2027			G-5D	ICI #3
CL0321	Underground Cable Replacement - 2027			G-5D	ICI #3
CL0202	Feeder Tie Hwy 101, Porter to Golf Course Road			G-5D	ICI #3
CL0816	College Street Substation SwitchGear			G-5D	ICI #3
CL0520	Substation Seismic Bracing			G-5D	ICI #3



PROJECT NUMBER	PROJECT DESCRIPTION WATER	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
<b>WATER</b>					
CAPWT	General Water Equipment			G-5D	ICI #3
WT0220	Ranney Well Generator Relocate			G-5D	ICI #3
WT0419	Decant Facility at Transfer Station - Water Soils Decant Bays			G-5D	ICI #3
WT0218	Reservoir Repairs			G-5D	ICI #3
WT0619	Peabody Reservoir Inlet Pipe Replacement			G-5D	ICI #3
WT0321	Facility Assessment (NEW)			G-5D	ICI #3
WT0221	Race Street Water Main Replacement South (NEW)			G-5D	ICI #3
WT0121	White Creek & 3rd St Crossing Main (NEW)			G-5D	ICI #3
WT0421	Race Street Water Main Replacement North (NEW)			G-5D	ICI #3
WT0519	Water Treatment Plant Repairs			G-5D	ICI #3
WT0319	Ground Water Test Wells			G-5D	ICI #3
WT0420	Ennis Creek Water Main Relocate			G-5D	ICI #3
WT0111	Liberty Street Water Main			G-5D	ICI #3
WT0512	East 4th Street Water Main			G-5D	ICI #3
WT0212	East 6th Street Water Main			G-5D	ICI #3
WT0612	3rd Street and Vine Street Main			G-5D	ICI #3
WT0219	Peabody Heights Floating Cover Replacement			G-5D	ICI #3
WT0412	West 4th Street Water Main			G-5D	ICI #3
WT0320	Morse Creek Transmission Main Eval/Design			G-5D	ICI #3
WT0120	Water System SCADA Upgrade			G-5D	ICI #3
WT0717	Race/Caroline Street Fire Flow			G-5D	ICI #3
WT0112	10th Street Water Main			G-5D	ICI #3
WT0116	Marine Drive Main Replacement, Phase 2			G-5D	ICI #3
WT0117	Mill Creek Reservoir Expansion			G-5D	ICI #3
WT0119	McDougal Pressure Subzone			G-5D	ICI #3
WT0214	Transmission Main East of Golf Course Road			G-5D	ICI #3
WT0217	Airport/Edgewood Drive Water Main Extension			G-5D	ICI #3
WT0314	Tumwater Truck Rt Commercial Fire Flow LID			G-5D	ICI #3
WT0317	Scribner Booster Station Upgrade			G-5D	ICI #3
WT0318	Viewcrest/Laurel Intertie/PRV			G-5D	ICI #3
WT0417	First Street/Laurel Street Fire Flow			G-5D	ICI #3
WT0418	10/11 Alley Water Main Replacement			G-5D	ICI #3
WT0517	6th/Laurel and 5th Fire Flow			G-5D	ICI #3
WT0617	Porter Street Zone PRV Improvements			G-5D	ICI #3
WT0817	St Andrews Place Fire Flow Loop			G-5D	ICI #3
WT0917	East First Street Fire Flow			G-5D	ICI #3
WT1017	18th Street Fire Flow			G-5D	ICI #3
WT1117	Lauridsen Blvd/Tumwater Fire Flow			G-5D	ICI #3



PROJECT NUMBER	PROJECT DESCRIPTION WASTEWATER	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
<b>WASTEWATER</b>					
CAPWW	General Wastewater Equipment			G-5D	ICI #3
WW0308	Pump Station #3 Replacement			G-5D	ICI #3
WW0319	Wastewater Comprehensive Plan			G-5D	ICI #3
WW0618	2019 Neighborhood Sewer Rehabilitation			G-5D	ICI #3
WW0718	2020 Neighborhood Sewer Rehabilitation			G-5D	ICI #3
WW0818	2021 Neighborhood Sewer Rehabilitation			G-5D	ICI #3
WW0519	Decant Facility at Transfer Station - Wastewater Soils Decant Bays			G-5D	ICI #3
WW0220	West 4th Street Capacity Improvement			G-5D	ICI #3
WW0120	Pump Station 3 Force Main Replacement			G-5D	ICI #3
WW0420	WWTP Potable Water Air-Gap			G-5D	ICI #3
WW0320	WWTP Septic Truck Pad Repair			G-5D	ICI #3
WW0121	Facility Assessment			G-5D	ICI #3
WW0520	Sanitary Force Main Relocate (Lees Creek)			G-5D	ICI #3
WW0508	Digester Mixing Improvement WWTP			G-5D	ICI #3
WW0516	WWTP Boiler Replacement			G-5D	ICI #3
WW0419	WWTP HVAC Replacement			G-5D	ICI #3
WW0715	Oak Street Sewer Separation			G-5D	ICI #3
WW0815	Laurel Street Sewer Separation			G-5D	ICI #3
WW0918	2022 Neighborhood Sewer Rehabilitation			G-5D	ICI #3
WW1018	2023 Neighborhood Sewer Rehabilitation			G-5D	ICI #3
WW1118	2024 Neighborhood Sewer Rehabilitation			G-5D	ICI #3
WW0415	Pump Station #5 Rehabilitation			G-5D	ICI #3
WW0915	Pump Station #6 Improvements			G-5D	ICI #3
WW0110	Aeration Blower Replacement			G-5D	ICI #3
WW0217	Ennis Creek Force Main Removal			G-5D	ICI #3
WW0608	Waste Activated Sludge Thickening WWTP			G-5D	ICI #3
WW1115	1st & 2nd Streets Alley Sewer Separation			G-5D	ICI #3
WW1215	Shane Park Sewer Separation			G-5D	ICI #3
WW1315	Pine Hill Sewer Separation			G-5D	ICI #3
WW0119	Biosolid Pyrolysis			G-5D	ICI #3
WW0518	Francis Street Sewer Trestle Repair			G-5D	ICI #3
WW0221	Pump Station #17 Improvements			G-5D	ICI #3

PROJECT NUMBER	PROJECT DESCRIPTION CSO	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
<b>COMBINED SEWER OVERFLOW (CSO)</b>					
WW0117	Francis Street Pigging Bypass			G-5D	ICI #3
WW0316	CSO 6 and 7 Reconstruction			G-5D	ICI #3

PROJECT NUMBER	PROJECT DESCRIPTION SOLID WASTE	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
<b>SOLID WASTE</b>					
SW0112	Decant Facility at Transfer Station			G-5D	ICI #3
SW0117	Landfill Operating Software			G-5D	ICI #3
SW0120	Landfill Pump Station 17 Repair			G-5D	ICI #3
SW0121	Landfill Access Road Repair			G-5D	ICI #3
SW0221	Facility Assessment			G-5D	ICI #3
SW0321	Landfill Access Road Repair - Phase 2			G-5D	ICI #3
SW0218	Landfill Security Fencing			G-5D	ICI #3



PROJECT NUMBER	PROJECT DESCRIPTION STORMWATER	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
<b>STORMWATER</b>					
DR0213	H Street Stormwater Outfall			G-5D	ICI #3
DR0120	Decant Facility at Transfer Station - Stormwater Soils Decant Bays			G-5D	ICI #3
DR0119	N Street Outfall Improvement			G-5D	ICI #3
DR0804	Lincoln Park/Big Boy Pond Study			G-5D	ICI #3
DR0121	Facility Assessment			G-5D	ICI #3
DR0404	Canyon Edge & Ahlvers Stormwater			G-5D	ICI #3
DR0115	Liberty Street Stormwater Improvement			G-5D	ICI #3
DR0117	Peabody Creek Water Quality Project			G-5D	ICI #3
DR0219	Outfall to Creek Improvement Program			G-5D	ICI #3
DR0215	Francis Street Outfall Repair			G-5D	ICI #3
DR0304	Laurel Street and US 101 Stormwater			G-5D	ICI #3
DR0112	Valley Creek Culvert and Outfall			G-5D	ICI #3

PROJECT NUMBER	PROJECT DESCRIPTION INFORMATION TECHNOLOGY	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
<b>INFORMATION TECHNOLOGY (IT)</b>					
IT0714	Data Backup Systems Replacement			G-5D	ICI #3
IT0514	Data Storage Array Systems			G-5D	ICI #3
IT0319	NETWORK Refresh			G-5D	ICI #3
IT0918	Internal Network Segmentation & VLAN Configuration			G-5D	ICI #3
IT0816	Facility and Class Management Scheduling			G-5D; G-10D	ICI #3
IT0214	Records Management System			G-5D	ICI #3
IT0416	Cemetery Software				ICI #3
IT0119	Wireless Bridge			G-5D	ICI #3
IT0716	ERP Road Map & Replacement			G-5D; G-10D	ICI #3
IT0219	City Hall Wireless Network			G-5D	ICI #3
IT1018	UPS Replacement- Disaster Recovery DataCenter				ICI #3
IT0617	SunGard Executime Scheduling Module				ICI #3
IT0618	Virtual Server Replacements - EXSI			G-5D	ICI #3
IT0320	ESRI Migration to Arc Pro			G-5D	ICI #3
IT0120	Development Services Permitting Software				ICI #3
IT0216	Business License System				ICI #3
IT0220	On/Off Boarding Software				ICI #3



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	ICI #3
TR0414	Peabody Creek/Lincoln St Culvert Repair	Restoration		G4	ICI #3
TR0218	Lincoln Street Safety	Safety	G4A; P-4A.01	0-4.03	ICI #3
TR0615	Golf Course Road Chip Seal	Restoration		G4	ICI #3
TR0320	2021 Pavement Preservation	Preservation		G4	ICI #3
TR0121	Pavement Management Plan	Mobility			ICI #3
TR0616	ADA - Francis Street	Restoration	G4A; P-4A.01	0-4.03	ICI #3
TR0115	N Street (5th to 15th) - Chip Seal	Preservation		G4	ICI #3
TR0518	I Street (5th to 16th) Chipseal	Restoration		G4	ICI #3
TR0316	8th Street (A to I) Chip Seal	Preservation		G4	ICI #3
TR0618	Stevens Middle School Walking Routes	Safety	G4A; P-4A.03; P-4A.02	0-4.04	ICI #3
TR1799	Truck Route at Hwy 101 Intersection	Mobility		G4	0-4.08
TR0420	2023 Pavement Preservation	Preservation		G4	ICI #3
TR0716	ADA - Peabody Street	Pedestrian / Bike	G4A; P-4A.03; P-4A.02; P-4A.09		ICI #3
TR0119	8th Street Paving - Lincoln to A	Preservation		G4	ICI #3
TR0221	Marine Dr Paving (Valley to Hill Street)	Preservation			ICI #3
TR0117	Liberty Street Reconstruction	Restoration		G4	ICI #3
TR0417	Ennis Street Pavement Repair	Preservation		G4	ICI #3
TR1416	Hamilton School Walking Routes	Pedestrian / Bike	G4A; P-4A.01	0-4.03	ICI #3
TR0915	Park Avenue Paving Overlay	Preservation		G4	ICI #3
TR0520	2024 Pavement Preservation	Preservation		G4	ICI #3
TR0620	2026 Pavement Preservation	Preservation		G4	ICI #3
TR0419	Lauridsen Blvd Reconstruction - L to City Limits	Restoration		G4	ICI #3
TR0720	18th Street Chip Seal	Preservation		G4	ICI #3
TR0818	Railroad Ave Overlay	Mobility		G4A	ICI #3
TR0219	5th Street Chip Seal - A to M Street	Preservation		G4	ICI #3
TR0499	Laurel St/Ahlvers Road Overlay	Restoration		G4	ICI #3
TR0816	ADA - Cherry Street	Pedestrian / Bike		G4	0-4.03
TR1015	Cherry Street Area Chip Seal	Preservation		G4	ICI #3
TR0916	ADA - Oak & Laurel Streets	Pedestrian / Bike	G4A; P-4A.03	0-4.03	ICI #3
TR1899	Lincoln, Laurel and Lauridsen Blvd Intersection	Mobility		G4	ICI #3
TR0104	2nd and Valley Pavement Restoration	Restoration		G4	ICI #3
TR0308	O Street Improvements	Restoration		G4	ICI #3
TR0599	Hill Street Intersection	Mobility		G4	ICI #3
TR0317	Chase Street Vicinity Chipseal	Preservation		G4	ICI #3



PROJECT NUMBER	PROJECT DESCRIPTION TRANSPORTATION	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
<b>TRANSPORTATION PROJECTS</b>					
TR0405	Alley Paving Revolving Funding	Restoration		G4	ICI #2, ICI #3
TR1120	Complete Streets Revolving Fund	Pedestrian / Bike	G4A; P-4B.23		ICI #2, ICI #3
TR0621	Waterfront Trail Repairs	Transportation		G-4	ICI #3
TR0114	Hill Street-Olympic Discovery Trail	Pedestrian / Bike	G4A; P-4A.01	O-4.01	ICI #3
TR0209	Race Complete Street	Civic Improvement	G4A; P-4B.23		ICI #2, ICI #3
TR0918	Downtown Tree/Sidewalk Replacement- Phase II	Pedestrian / Bike		G4	ICI #3
TR0101	Laurel Street Stairs Replacement	Civic Improvement	G4A; P-4A.01	O-4.03	ICI #2, ICI #3
TR0120	Signal Controller Upgrades 1st/Front	Safety		G4	ICI #3
TR1399	Traffic Signal Interconnect/Preemption	Mobility	G4A; P-4A.03		ICI #2, ICI #3
TR1215	City Hall East Parking Lot LID	Restoration		G4	ICI #2, ICI #3
TR0715	16th Street LID (C Street to L Street)	Restoration		G4	ICI #3
TR1020	N Street Solar Speed Display	Safety		G4	ICI #3
TR0920	Lauridsen Blvd Flashing Beacons	Safety			ICI #3
TR0416	1St/2nd/Valley/Oak Green Alley	Restoration		G4	ICI #3
TR0919	Traffic Safety Camera program	Safety		G4	ICI #3
TR0909	Wayfinding & ODT Signage	Civic Improvement	G4B; P-4B.01	O-4-.03; O-4.06	ICI #3
TR1116	School Area Speed Signs (Near Franklin)	Safety	G4A; P-4A.03		ICI #3
TR0321	Speed Feedback Sign Program	Safety			ICI #3
TR0220	Traffic Circle Program	Safety		G4	ICI #3
TR0318	8th/10th Street Bike Lanes	Pedestrian / Bike	G4A; P-4A.01	O-4.03; O-4.04	ICI #3
TR0421	Valley Street Culvert Crossing	Restoration			ICI #3
TR0821	Facility Assessment				ICI #3
TR1109	Marine Drive Bulkhead Repairs	Restoration		G4	ICI #3
TR0113	Waterfront Redevelopment	Civic Improvement	G4B; P-4B.18	O-4.01	ICI #3
TR1016	18th Street Bike Accessibility	Pedestrian / Bike	G4A; P-4A.01	O-4.03	ICI #3
TR0212	Caroline Street Slide Repair	Restoration		G4	ICI #3
TR1009	1st, Front & Race Street Nodes	Pedestrian / Bike	G4A; P-4A.03	O-4.03	ICI #3
TR0516	Nancy Lane Pavement	Restoration		G4	ICI #3
TR0506	Valley Creek Trail Loop	Pedestrian / Bike	G4A; P-4A.03	O-4-.02; O-4.03	ICI #3
TR0208	Alternate Cross Town Route Study	Mobility	G4B; P-4B.06	O-4.08	ICI #2, ICI #3
TR1316	Traffic Control	Safety	G4A; P-4A.03		ICI #3
TR1018	Zig Zag at Oak Street	Civic Improvement		G4	ICI #3
TR0619	Race Complete Construction Ph1	Civic Improvement		G4	ICI #3
TR0719	Race Complete Construction Ph2	Civic Improvement		G4	ICI #3
TR0819	Sidewalks for Mt Angeles Rd & Porter St	Safety/Pedestrian / Bike	G4A; P-4A.02; P-4A.09		ICI #3
TR0521	I to M Street Paving & Sidewalk	Restoration			ICI #3
TR0721	Gales Addition Connector Planning	Transportation		G-4	ICI #3



# CURRENT 2022 - 2027 CAPITAL FACILITIES PLAN COMPARED TO PRIOR 2021 - 2026 CAPITAL FACILITIES PLAN

GENERAL GOVERNMENT CAPITAL PROJECTS		2020 PRIORITY	2021 PRIORITY	2020 PROJECT TOTAL	2021 PROJECT TOTAL	2021 PROPOSED BUDGET	AMEND. REQUEST	GRANT FUNDING
Number	Title							
<b>GENERAL GOVERNMENT/FACILITIES</b>								
GG0303	NICE Program	R	R	837,100	787,100	75,000	-	
GG1113	Facility Security Projects	A	A	256,000	256,000	134,400	-	
GG0416	City Hall Fire Detection System	3	3	75,000	75,000	75,000	-	
GG0516	Senior Center Fire Detection System	4	4	50,000	50,000	50,000	-	
GG0119	Ennis Creek Fish Barrier Removal	UF	6	950,000	1,200,000	-	-	199,700
GG0121	Broadband Improvement Feasibility Study	NEW	UF	-	50,000	-	-	
GG0916	Valley Creek Restoration Phase III	NEW	UF	-	2,110,900	-	-	
<b>PUBLIC SAFETY</b>								
FD0415	Fire Department Turn-Out Gear	R	R	160,300	160,300	-	-	25,000
FD0615	Fire Hoses	R	R	42,400	47,400	10,000	-	
FD0218	Self Contained Breathing Apparatus	R	R	250,000	250,000	-	-	
CAPPC	Pencom Capital	R	R	660,400	710,400	158,900	-	
PD0307	Police Regional Training & Gun Range Facility	R	R	200,000	232,000	32,000	-	
PD0116	Mobile Data Terminal Replacements	A	R	214,400	230,400	24,300	-	118,400
PD0120	Police Taser Replacements	A	A	120,000	130,600	27,200	2,200	
PD0119	Computer Aided Dispatch/Law Enforcement Records Management System	A	A	300,000	301,400	40,000	-	
FD0315	Fire Station Garage Door Replacement	1	1	50,000	50,000	50,000	-	
FD0318	Emergency Management Pods	2	2	150,000	150,000	100,000	50,000	
PD0121	EOC/911 Dispatch (Pencom center)	NEW	5	New	4,000,000	-	-	2,500,000
FD0121	West Side Fire Station	NEW	UF	New	3,000,000	-	-	
FD0120	Fire Station Front Driveway Repair	UF	UF	30,000	30,000	-	-	
GG0616	Fire Hall HVAC	UF	UF	45,000	45,000	-	-	
FD0216	Fire Training Facility	UF	UF	80,000	80,000	-	-	
FD0316	Senior Center EOC Generator (Secondary City EOC)	UF	UF	150,000	150,000	-	-	
FD0416	Radio Transmitter Generator (1 & 10th Streets)	UF	UF	15,000	15,000	-	-	
<b>PARKS AND RECREATION</b>								
PK0216	Facility Improvement Revolving Fund	R	R	105,000	121,500	15,000	-	
PK0205	Restroom Replacement Program	R	R	1,200,000	1,350,000	450,000	-	
PK0418	Civic Field Upgrades	R	R	110,000	112,500	-	-	
PK0819	City Pier Railing Replacement	A	A	565,000	565,000	362,200	(130,000)	
PK0120	24 Hour Restroom Pilot Project	A	A	200,000	200,000	200,000	-	
PK0220	Synthetic Field Turf at Volunteer Field	A	A	1,200,000	1,200,000	-	-	
PK0219	Generation II Dream Playground	A	A	475,000	475,000	346,900	-	1,050,000
PK0719	Parks Maintenance Building	A	A	756,500	706,500	250,000	-	
PK0919	Fine Arts Center Capital Improvements	A	A	40,200	83,700	40,200	3,200	
PK0119	Erickson Playfield Pump Track	A	A	400,000	650,000	650,000	250,000	
PK0519	City Pier Erosion Stabilization & Sidewalk Repair (Peabody Creek)	5	A	290,000	290,000	290,000	-	350,000
PK0316	Locomotive #4 Refurbishment	UF	UF	250,000	250,000	-	-	
PK0319	City Pier Inspection Repairs	UF	UF	835,000	900,000	-	-	
PK0320	HVAC Upgrades at City Hall & Sr Center	UF	UF	1,000,000	1,750,000	-	-	
PK0406	Shane & Elks Field Lighting	UF	UF	1,000,000	1,000,000	-	-	
PK0420	Ediz Hook Boat Launch Repairs	UF	UF	250,000	275,000	-	-	
PK0802	Neighborhood Park Development	UF	UF	250,000	250,000	-	-	
<b>TOTALS</b>				<b>13,562,300</b>	<b>24,290,700</b>	<b>3,381,100</b>	<b>175,400</b>	<b>4,243,100</b>

MEDIC 1 PROJECTS		2020 PRIORITY	2021 PRIORITY	2020 PROJECT TOTAL	2021 PROJECT TOTAL	2021 PROPOSED BUDGET	AMEND. REQUEST	GRANT FUNDING
Number	Title							
<b>MEDIC 1</b>								
CAPM1	Medic 1 Revolving	R	R	366,400	353,900	-	(30,600)	
FD0118	Defibrillator Revolving Account	R	R	256,000	221,000	36,000	-	
<b>TOTALS</b>				<b>622,400</b>	<b>574,900</b>	<b>36,000</b>	<b>(30,600)</b>	<b>-</b>



ELECTRIC PROJECTS		2020	2021	2020 PROJECT	2021 PROJECT	2021	AMEND.	GRANT
Number	Title	PRIORITY	PRIORITY	TOTAL	TOTAL	PROPOSED BUDGET	REQUEST	FUNDING
<b>ELECTRIC</b>								
CLCAP	Maintenance Capital Contribution	R	R	1,150,000	1,102,000	150,000	(50,000)	
CL0414	Construct New Light Ops Building	A	A	6,400,000	6,399,900	5,970,800	-	
CL0916	Replace Laurel Street Substation Switchgear	A	A	500,000	500,000	500,000	-	
CL0220	Laurel Street LTC Load Tap Changer Replacement	5	A	200,000	200,000	200,000	-	
CL0716	F Street Substation Switchgear	1	A	500,000	500,000	500,000	-	
CL0320	F Street LTC Load Tap Changer Replacement	6	A	200,000	200,000	200,000	-	
CL0119	Overhead Reconductoring - 2020	2	A	200,000	250,000	241,900	50,000	
CL0419	Underground Cable Replacement - 2021	9	A	250,000	250,000	250,000	-	
CL0620	Electric Vehicle Charging Station	10	A	48,000	48,000	48,000	-	28,800
CL0217	I Street Substation Switchgear Replacement	4	1	500,000	500,000	-	(500,000)	
CL0420	College Street LTC Load Tap Changer Replacement	7	2	200,000	200,000	-	(200,000)	
CL0919	"A" Street Substation Switchgear Replacement	8	3	500,000	500,000	-	(500,000)	
CL0519	Underground Cable Replacement - 2022	11	4	250,000	250,000	-	-	
CL0216	City/PUD Service Area Capital Needs	12	5	400,000	400,000	-	-	
CL0117	Washington Street Substation Switchgear	13	6	500,000	500,000	-	-	
CL0819	Overhead Reconductoring - 2023	14	7	200,000	250,000	-	-	
CL0619	Underground Cable Replacement - 2023	15	8	250,000	250,000	-	-	
CL0719	Underground Cable Replacement - 2024	16	9	250,000	250,000	-	-	
CL1019	Underground Cable Replacement - 2025	17	10	250,000	250,000	-	-	
CL0221	Underground Cable Replacement - 2026	NEW	11	New	250,000	-	-	
CL0120	F Street Transformer Replacement	18	12	1,200,000	1,200,000	-	-	
CL0121	Overhead Reconductoring - 2027	NEW	13	New	250,000	-	-	
CL0321	Underground Cable Replacement - 2027	NEW	14	New	250,000	-	-	
CL0202	Feeder Tie Hwy 101, Porter to Golf Course Road	UF	UF	350,000	350,000	-	-	
CL0816	College Street Substation Switchgear	UF	UF	500,000	500,000	-	-	
CL0520	Substation Seismic Bracing	UF	UF	500,000	500,000	-	-	
<b>TOTALS</b>				<b>15,298,000</b>	<b>16,099,900</b>	<b>8,060,700</b>	<b>(1,200,000)</b>	<b>28,800</b>

WATER PROJECTS		2020	2021	2020 PROJECT	2021 PROJECT	2021	AMEND.	GRANT
Number	Title	PRIORITY	PRIORITY	TOTAL	TOTAL	PROPOSED BUDGET	REQUEST	FUNDING
<b>WATER</b>								
CAPWT	General Water Equipment	R	R	466,300	466,300	50,000	(81,500)	
WT0220	Ranney Well Generator Relocate	A	A	175,000	175,000	175,000	-	
WT0419	Decant Facility at Transfer Station - Water Soils Decant Bays	A	A	200,000	800,000	28,500	(165,000)	
WT0218	Reservoir Instrumentation Repairs	2	1	275,000	246,100	44,000	(228,900)	
WT0619	Peabody Reservoir Inlet Pipe Replacement	3	2	340,000	340,000	40,000	(300,000)	
WT0321	Facility Assessment (NEW)	NEW	3	New	8,000	8,000	8,000	
WT0221	Race Street Water Main Replacement South (NEW)	NEW	4	New	637,000	637,000	637,000	
WT0121	White Creek & 3rd St Crossing Main (NEW)	NEW	5	New	400,000	-	-	
WT0421	Race Street Water Main Replacement North (NEW)	NEW	6	New	125,000	125,000	125,000	
WT0519	Water Treatment Plant Repairs	4	7	170,000	180,000	60,000	(110,000)	
WT0319	Ground Water Resiliency Program	5	8	1,400,000	1,275,000	-	(650,000)	
WT0420	Ennis Creek Water Main Relocate	8	9	200,000	200,000	-	-	
WT0111	Liberty Street Water Main	9	10	485,700	485,700	-	-	
WT0512	East 4th Street Water Main	11	11	472,000	472,000	-	-	
WT0212	East 6th Street Water Main	12	12	340,000	340,000	-	-	
WT0612	3rd & Vine Street Main	7	13	360,000	360,000	-	(360,000)	
WT0219	Peabody Heights Floating Cover Replacement	10	14	400,000	400,000	-	-	
WT0412	West 4th Street Water Main	13	15	1,500,000	1,500,000	-	-	
WT0320	Morse Creek Transmission Main Eval/Design	6	UF	400,000	400,000	-	(400,000)	
WT0120	Water System SCADA Upgrade (Accomplished W/Service TSI)	1	UF	650,000	650,000	-	(650,000)	
WT0717	Race/Caroline Street Fire Flow	UF	UF	670,000	670,000	-	-	
WT0112	10th Street Water Main	UF	UF	905,000	905,000	-	-	
WT0116	Marine Drive Main Replacement Phase II	UF	UF	1,500,000	1,500,000	-	-	
WT0117	Mill Creek Reservoir Expansion	UF	UF	3,400,000	3,400,000	-	-	
WT0119	McDougal Pressure Subzone	UF	UF	700,000	700,000	-	-	
WT0214	Transmission Main East of Golf Course Road	UF	UF	2,275,000	2,275,000	-	-	
WT0217	Airport/Edgewood Drive Water Main Extension	UF	UF	5,000,000	5,000,000	-	-	
WT0314	Tumwater Truck Route Commercial Fire Flow (LID)	UF	UF	289,000	289,000	-	-	
WT0317	Scribner Booster Station Upgrade	UF	UF	1,500,000	1,500,000	-	-	
WT0318	Viewcrest/Laurel Intertie/PRV	UF	UF	200,000	200,000	-	-	
WT0417	1st/Laurel Street Fire Flow	UF	UF	384,000	384,000	-	-	
WT0418	10th/11th Alley Water Main Replacement	UF	UF	150,000	150,000	-	-	
WT0517	6th/Laurel and 5th Street Fire Flow	UF	UF	641,000	641,000	-	-	
WT0617	Porter Street Zone PRV Improvements	UF	UF	300,000	300,000	-	-	
WT0817	St Andrews Place Fire Flow Loop	UF	UF	530,000	530,000	-	-	
WT0917	East First Street Fire Flow	UF	UF	92,000	92,000	-	-	
WT1017	18th Street Fire Flow	UF	UF	480,500	480,500	-	-	
WT1117	Lauridsen Blvd/Tumwater Fire Flow	UF	UF	560,000	560,000	-	-	
<b>TOTALS</b>				<b>27,410,500</b>	<b>29,036,600</b>	<b>1,167,500</b>	<b>(2,175,400)</b>	<b>-</b>



WASTEWATER PROJECTS		2020	2021	2020 PROJECT	2021 PROJECT	2021	AMEND.	GRANT
Number	Title	PRIORITY	PRIORITY	TOTAL	TOTAL	PROPOSED BUDGET	REQUEST	FUNDING
<b>WASTEWATER</b>								
CAPWW	General Wastewater Equipment	R	R	693,300	709,400	120,500	(50,000)	
WW0308	Pump Station #3 Replacement	A	A	1,479,600	1,479,600	497,500	-	
WW0319	Wastewater Comprehensive Plan	1	A	300,000	300,000	300,000	-	
WW0618	2019 Neighborhood Sewer Rehab	A	A	300,000	300,000	286,500	6,500	
WW0718	2020 Neighborhood Sewer Rehabilitation	4	A	300,000	300,000	300,000	-	
WW0818	2021 Neighborhood Sewer Rehabilitation	6	A	300,000	300,000	300,000	-	
WW0519	Decant Facility at Transfer Station - Wastewater Soils Decant Bays	A	A	200,000	600,000	28,500	(165,000)	
WW0220	West 4th Street Capacity Improvement	8	1	500,000	500,000	75,000	-	
WW0120	Pump Station 3 Force Main Replacement	16	2	2,200,000	2,250,000	-	-	
WW0420	WWTP Potable Water Air-Gap	7	3	75,000	150,000	50,000	25,000	
WW0320	WWTP Septic Truck Pad Repair	UF	4	120,000	120,000	-	-	
WW0121	Facility Assessment	NEW	5	New	8,000	8,000	8,000	
WW0520	Sanitary Force Main Relocate (Lees Creek)	9	6	200,000	200,000	-	-	
WW0508	Digester Mixing Improvement WWTP	5	7	600,000	600,000	-	(50,000)	
WW0516	WWTP Boiler Replacement	13	8	115,000	115,000	-	-	
WW0419	WWTP HVAC Replacement	3	9	200,000	200,000	-	(200,000)	
WW0715	Oak Street Sewer Separation	10	10	275,000	275,000	-	-	
WW0815	Laurel Street Sewer Separation	11	11	275,000	275,000	-	-	
WW0918	2025 Neighborhood Sewer Rehabilitation	12	12	300,000	300,000	-	(6,500)	
WW1018	2026 Neighborhood Sewer Rehabilitation	14	13	300,000	300,000	-	-	
WW1118	2027 Neighborhood Sewer Rehabilitation	15	14	300,000	300,000	-	-	
WW0415	Pump Station #5 Rehabilitation	UF	UF	-	-	-	-	
WW0915	Pump Station #6 Improvements	UF	UF	-	-	-	-	
WW0110	Aeration Blower Replacement	UF	UF	550,000	550,000	-	-	
WW0217	Ennis Creek Force Main Removal	UF	UF	225,000	225,000	-	-	
WW0608	Waste Activated Sludge Thickening WWTP	UF	UF	1,500,000	1,500,000	-	-	
WW1115	1st & 2nd Streets Alley Sewer Separation	UF	UF	120,000	120,000	-	-	
WW1215	Shane Park Sewer Separation	UF	UF	280,000	280,000	-	-	
WW1315	Pine Hill Sewer Separation	UF	UF	275,000	275,000	-	-	
WW0119	Biosolid Pyrolysis	UF	UF	4,000,000	4,000,000	-	-	
WW0518	Francis Street Sewer Trestle Repair	UF	UF	50,000	50,000	-	-	
WW0221	Pump Station #17 Improvements	NEW	UF	New	-	-	-	
<b>TOTALS</b>				<b>16,032,900</b>	<b>16,582,000</b>	<b>1,966,000</b>	<b>(432,000)</b>	<b>-</b>

CSO PROJECTS		2020	2021	2020 PROJECT	2021 PROJECT	2021	AMEND.	GRANT
Number	Title	PRIORITY	PRIORITY	TOTAL	TOTAL	PROPOSED BUDGET	REQUEST	FUNDING
<b>COMBINED SEWER OVERFLOW</b>								
WW0117	Francis Street Pigging Bypass	1	1	190,000	190,000	190,000	-	
WW0316	CSO 6 and 7 Reconstruction	2	2	208,400	208,400	-	-	
<b>TOTALS</b>				<b>398,400</b>	<b>398,400</b>	<b>190,000</b>	<b>-</b>	<b>-</b>



SOLID WASTE PROJECTS		2020 PRIORITY	2021 PRIORITY	2020 PROJECT TOTAL	2021 PROJECT TOTAL	2021 PROPOSED BUDGET	AMEND. REQUEST	GRANT FUNDING
Number	Title							
<b>SOLID WASTE</b>								
SW0112	Decant Facility at Transfer Station	A	A	672,400	966,900	154,500	(486,300)	474,300
SW0117	Landfill Operating Software	A	A	200,000	200,000	200,000	-	
SW0120	Landfill Pump Station 17 Repair	1	1	190,000	250,000	75,000	(115,000)	
SW0121	Landfill Access Road Repair	NEW	2	New	515,000	60,000	60,000	
SW0221	Facility Assessment	NEW	3	New	8,000	8,000	8,000	
SW0321	Landfill Access Road Repair - Phase 2	NEW	UF	New	-	-	-	
SW0218	Landfill Security Fencing	UF	UF	200,000	200,000	-	-	
<b>TOTALS</b>				<b>1,262,400</b>	<b>2,139,900</b>	<b>497,500</b>	<b>(533,300)</b>	<b>474,300</b>

STORMWATER PROJECTS		2020 PRIORITY	2021 PRIORITY	2020 PROJECT TOTAL	2021 PROJECT TOTAL	2021 PROPOSED BUDGET	AMEND. REQUEST	GRANT FUNDING
Number	Title							
<b>STORMWATER</b>								
DR0213	H Street Stormwater Outfall	A	A	560,000	645,500	80,000	(475,500)	
DR0120	Decant Facility at Transfer Station - Stormwater Soils Decant Bays	A	A	200,000	1,000,000	28,500	(165,000)	
DR0119	N Street Outfall Improvement	1	A	312,500	362,500	362,500	50,000	
DR0804	Lincoln Park/Big Boy Pond Study	2	1	110,000	112,200	112,200	2,200	
DR0121	Facility Assessment	NEW	2	New	8,000	8,000	8,000	
DR0404	Stormwater at Canyon Edge & Ahlvers	3	3	3,560,000	3,631,200	-	-	
DR0115	Liberty Street Stormwater Improvement	5	4	2,520,000	2,570,400	-	-	510,300
DR0117	Peabody Street Water Quality Project	4	5	651,000	665,000	-	-	
DR0219	Outfall to Creek Improvement Program	7	6	146,000	150,000	-	-	
DR0215	Francis Street Outfall Repair	A	7	65,000	67,000	-	(65,000)	
DR0304	Stormwater at Laurel Street & US 101	6	UF	660,000	674,000	-	-	
DR0112	Valley Creek Culvert & Outfall	UF	UF	910,000	929,000	-	-	
<b>TOTALS</b>				<b>9,694,500</b>	<b>10,814,800</b>	<b>591,200</b>	<b>(645,300)</b>	<b>510,300</b>

EQUIPMENT SERVICES DEPARTMENTS		2020 PRIORITY	2021 PRIORITY	2020 PROJECT TOTAL	2021 PROJECT TOTAL	2021 PROPOSED BUDGET	AMEND. REQUEST	GRANT FUNDING
Number	Title							
<b>EQUIPMENT SERVICES</b>								
	Finance			117,200	127,300	-	-	
	Community Development			77,800	89,100	-	-	
	Police			1,880,550	1,918,200	345,500	3,300	
	Fire & Medic 1			3,786,800	7,128,200	47,200	2,600	
	Parks & Recreation			1,501,500	1,905,100	102,100	2,000	
	Engineering			118,700	127,800	-	-	
	Light Operations			2,321,200	2,804,200	323,600	275,600	
	Water			-	1,746,200	269,500	26,500	
	Wastewater			-	1,635,300	-	-	
	Solid Waste			2,036,100	2,489,800	408,300	54,100	
	Stormwater			820,100	857,500	-	-	
	Conservation			-	45,500	-	-	
	Equipment Services			962,100	1,056,900	64,700	400	
	Information Technology			35,900	43,500	-	-	
	Streets			2,530,900	2,723,800	1,042,400	539,200	
<b>TOTALS</b>				<b>16,188,850</b>	<b>24,698,400</b>	<b>2,603,300</b>	<b>903,700</b>	<b>-</b>

INFORMATION SERVICES PROJECTS		2020 PRIORITY	2021 PRIORITY	2020 PROJECT TOTAL	2021 PROJECT TOTAL	2021 PROPOSED BUDGET	AMEND. REQUEST	GRANT FUNDING
Number	Title							
<b>INFORMATION SERVICES</b>								
IT0714	Data Backup Systems Replacement	R	R	210,000	420,000	210,000	-	
IT0514	Data Storage Array Systems	R	R	150,000	165,000	-	(150,000)	
IT0319	Network Refresh	R	R	280,000	280,000	-	-	
IT0918	Internal Network Segmentation & VLAN Configuration	A	A	221,000	221,000	9,900	-	
IT0816	Facility and Class Management Scheduling	A	A	10,000	10,000	10,000	-	
IT0214	Records Management System	A	A	104,100	104,100	30,000	-	
IT0416	Cemetery Software	A	A	30,000	30,000	30,000	-	
IT0119	Wireless Bridge	A	A	60,000	60,000	36,000	-	
IT0716	ERP Road Map & Replacement	1	1	50,000	2,281,000	1,756,000	1,675,000	
IT0219	City Hall Wireless Network	2	2	21,000	21,000	21,000	-	
IT1018	UPS Replacement - Disaster Recovery Data Center	3	3	60,000	60,000	60,000	60,000	
IT0617	Executive Scheduling Module	5	4	30,000	30,000	30,000	-	
IT0618	Virtual Server Replacements	6	5	450,000	450,000	150,000	-	
IT0320	ESRI Migration to Arc Pro	UF	6	100,000	100,000	-	-	
IT0120	Development Services Permitting Software	UF	UF	100,000	100,000	-	-	
IT0216	Business License System	UF	UF	125,000	125,000	-	-	
IT0220	On/Off Boarding Software	UF	UF	25,000	25,000	-	-	
<b>TOTALS</b>				<b>2,026,100</b>	<b>4,482,100</b>	<b>2,342,900</b>	<b>1,585,000</b>	<b>-</b>



TRANSPORTATION PROJECTS		2020	2021	2020 PROJECT	2021 PROJECT	2021	AMEND.	GRANT
Number	Title	PRIORITY	PRIORITY	TOTAL	TOTAL	PROPOSED BUDGET	REQUEST	FUNDING
<b>TRANSPORTATION BENEFIT DISTRICT PROJECTS</b>								
TR1118	Revolving Street Improvements	R	R	224,500	254,500	60,000	-	
TR0414	Peabody Creek/Lincoln Street Culvert Repair	A	A	3,447,000	3,447,000	357,200	-	2,550,000
TR0218	Lincoln Street Safety	A	A	1,585,000	2,020,000	1,894,000	417,300	1,285,000
TR0615	Golf Course Road Chip Seal (1st St to City limits)	1	A	300,000	400,000	400,000	100,000	
TR0320	2021 Pavement Preservation	5	A	400,000	400,000	400,000	-	
TR0121	Pavement Management Plan	NEW	1	New	200,000	200,000	200,000	
TR0616	ADA - Francis Street	4	2	315,000	315,000	315,000	-	300,000
TR0115	N Street Chip Seal (5th to 18th Streets)	9	3	300,000	400,000	-	-	
TR0518	I Street Chip Seal (5th to 16th Streets)	10	4	300,000	350,000	-	-	
TR0316	8th Street Chip Seal (A to I Streets)	11	5	300,000	400,000	-	-	
TR0618	Stevens Middle School Walking Routes	6	7	665,000	815,000	-	(15,000)	650,000
TR1799	Truck Route at Hwy 101 Intersection	17	8	6,650,000	7,200,000	-	-	7,000,000
TR0420	2023 Pavement Preservation	24	9	400,000	400,000	-	-	
TR0716	ADA - Peabody Street	25	10	310,000	320,000	-	-	
TR0119	8th Street Paving (Lincoln to A Streets)	29	11	1,115,000	1,130,000	-	-	700,000
TR0221	Marine Dr Paving (Valley to Hill Street)	NEW	12	New	1,600,000	-	-	1,400,000
TR0117	Liberty Street Reconstruction	14	13	460,000	510,000	-	-	
TR0417	Ennis Street Pavement Repair	13	14	100,000	100,000	-	-	
TR1416	Hamilton School Walking Routes	3	15	915,000	1,515,000	-	-	1,090,000
TR0915	Park Avenue Paving Overlay (Race to Liberty Streets)	26	16	390,000	520,000	-	-	
TR0520	2024 Pavement Preservation	27	17	400,000	400,000	-	-	
TR0620	2026 Pavement Preservation	30	18	400,000	400,000	-	-	
TR0419	Lauridsen Blvd Reconstruction (L St to City Limits)	31	19	700,000	1,000,000	-	-	600,000
TR0720	18th Street Chip Seal	32	20	300,000	300,000	-	-	
TR0818	Railroad Ave Overlay	UF33	21	215,000	300,000	-	-	
TR0219	5th Street Chip Seal (A to M Streets)	12	22	350,000	350,000	-	-	
TR0499	Laurel St/Ahlvers Road Overlay	UF34	UF	450,000	850,000	-	-	
TR0816	ADA - Cherry Street	UF36	UF	340,000	340,000	-	-	
TR1015	Cherry Street Area Chip Seal	UF37	UF	750,000	750,000	-	-	
TR0916	ADA - Oak & Laurel Streets	UF 39	UF	300,000	300,000	-	-	
TR1899	Lincoln, Laurel and Lauridsen Intersection	UF 41	UF	1,800,000	1,800,000	-	-	
TR0104	2nd & Valley Streets Pavement	UF 43	UF	550,000	550,000	-	-	
TR0308	O Street Improvements	UF 48	UF	1,500,000	1,500,000	-	-	
TR0599	Hill Street Intersection Reconstruction	UF 49	UF	485,000	485,000	-	-	
TR0317	Chase Street Vicinity Chip Seal	UF 51	UF	320,000	320,000	-	-	
<b>TRANSPORTATION PROJECTS</b>								
TR0405	Alley Paving Revolving Funding	R	R	985,100	1,120,100	450,000	-	
TR1120	Complete Streets Revolving Fund	R	R	500,000	500,000	-	-	
TR0621	Waterfront Trail Repairs	R	R	683,000	593,000	109,200	-	32,000
TR0114	Hill Street - Olympic Discovery Trail	A	A	3,941,600	3,941,600	7,500	(3,714,000)	198,000
TR0209	Race Street Complete Design & Construction Phase I	A	A	4,712,400	5,262,400	4,745,600	550,000	4,851,100
TR0918	Downtown Tree/Sidewalk Replacement Phase III	7	1	300,000	300,000	-	(300,000)	
TR0101	Laurel Street Stairs Replacement	8	2	485,000	535,000	34,700	(450,000)	
TR0120	Signal Controller Upgrades 1st/Front	21	3	1,585,000	1,585,000	-	-	1,562,500
TR1399	Traffic Signal Interconnect/Preemption	23	4	600,000	660,000	-	-	
TR1215	City Hall East Parking Lot LID	15	5	610,700	751,900	71,700	(8,800)	593,400
TR0715	16th Street LID (C to L Streets)	16	6	1,060,000	1,121,000	166,800	24,700	875,500
TR1020	N Street Solar Speed Display	19	7	30,000	30,000	-	-	
TR0920	Lauridsen Blvd Flashing Beacons	18	8	40,000	40,000	-	(40,000)	
TR0416	1St/2nd/Valley/Oak Green Alley	R	9	472,200	472,200	-	-	337,500
TR0919	Traffic Safety Camera Program	2	10	35,000	35,000	-	(35,000)	
TR0909	Wayfinding & ODT Signage	A	11	312,000	312,000	-	(298,200)	
TR1116	School Area Speed Signs (Near Franklin)	22	12	50,000	50,000	-	-	
TR0321	Speed Feedback Sign Program	NEW	13	New	90,000	-	-	
TR0220	Traffic Circle Program	20	14	1,180,000	1,180,000	-	(80,000)	1,170,000
TR0318	8th/10th Street Bike Lanes	28	15	400,000	400,000	-	-	300,000
TR0421	Valley Street Culvert Crossing	NEW	16	New	1,550,000	-	-	1,300,000
TR0821	Facility Assessment	NEW	17	New	8,000	8,000	8,000	
TR1109	Marine Drive Bulkhead Repairs	UF 40	18	-	3,000,000	-	-	
TR0113	Waterfront Redevelopment Phase III	UF 35	UF	20,000,000	20,000,000	-	-	
TR1016	18th Street Bike Accessibility	UF 38	UF	800,000	800,000	-	-	
TR0212	Caroline Street Slide Repair	UF 42	UF	375,000	375,000	-	-	
TR1009	1st, Front & Race Street Nodes	UF 44	UF	423,000	423,000	-	-	
TR0516	Nancy Lane Pavement	UF 45	UF	200,000	200,000	-	-	
TR0506	Valley Creek Trail Loop	UF 46	UF	100,000	100,000	-	-	
TR0208	Alternate Cross-Town Route Study	UF 47	UF	220,000	220,000	-	-	
TR1316	Traffic Control	UF 50	UF	300,000	300,000	-	-	
TR1018	Zig Zag at Oak Street	UF 52	UF	500,000	500,000	-	-	
TR0619	Race Street Complete Construction Phase II	UF 53	UF	6,000,000	6,000,000	-	-	
TR0719	First & Front Street Decoupling	UF 54	UF	-	-	-	-	
TR0819	Sidewalks for Mt Angeles Rd & Porter St	UF 55	UF	1,000,000	1,000,000	-	-	
TR0521	I to M Paving and Sidewalk Local Improvement District	NEW	UF	New	2,000,000	-	-	
TR0721	Gales Addition Connector Planning	NEW	UF	New	-	-	-	
<b>TOTALS</b>				<b>74,936,500</b>	<b>87,396,700</b>	<b>9,219,700</b>	<b>(3,641,000)</b>	<b>26,795,000</b>



CITY OF PORT ANGELES



2022 - 2027  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN

