

THE CITY OF  
**PORT ANGELES**  
WASHINGTON



2020 - 2025

**CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN**

CITY OF PORT ANGELES



2020 - 2025  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN

# INFORMATION AND RESOURCES

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## Boards and Committees

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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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June 18, 2019

City Council,

I am pleased to present the City's Capital Facility Plan and Transportation Improvement Plan (CFP/TIP) for 2020 through 2025. This communication tool allows 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 2019. The purpose of developing a plan is to provide reliable and well maintained infrastructure. The document incorporates the City's vision for the future as illustrated in the Comprehensive Plan, and Strategic Planning sessions; both approved by the City Council. These plans are incorporated into this document with a cross reference to how the capital plan links to the Comprehensive and Strategic Plans.

The CFP/TIP, although driven by public vision, is constrained by fiscal realities. Ultimately, this plan is not entirely about finances, but rather a roadmap to how we can provide reliable, quality services and maintain infrastructure.

The City of Port Angeles will continue to focus on living within our means, with no additional bond or loan funding expected over the next 6 years.

### Review in 2018

2018 was the first year the City received revenues from the Transportation Benefit District (TBD). The 2019-2024 CFP estimated a revenue stream of \$700,000 from the TBD; however, the actual amount collected was \$827,542. The current CFP has been adjusted to reflect this increase. The 10th Street Reconstruction project was the first project to use these funds. \$505,000 was used from TBD funds for this project. Projects planned for 2019 are projected to utilize \$480,000 of TBD funding.

### Council Strategies

- **Set aside funding for capital projects equal to the depreciation level of each fund.** *This has been accomplished for most, but not all areas, at this time. Wastewater and General Government continue to fall behind in maintaining this level of reserves in their respective capital funds. The wastewater capital reserve is recovering after the completion of the CSO project. The General Fund has met the average 5 year funding goal for both Transportation and General Governmental projects.*
- **Aggressively pursue all Federal, State, and other external funding sources for capital improvements.** *The City has done a fantastic job pursuing grant opportunities. The achievements are included in this document through the completed and planned project funding.*
- **Link projects to Comprehensive and Strategic Plan objectives.** *A new chart located in the back of this document links all active projects to Comprehensive Plan goals and the strategic plan where possible.*

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

- **Focus on preventable maintenance to increase asset life.**

The focus of this CFP/TIP is to replace aging infrastructure, obtain grants, preserve current assets, and improve technology.

**2018 Accomplishments include:**

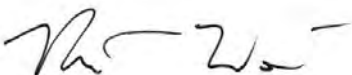
- 10th Street Reconstruction project (first project using TBD funds), including water mains, sewers and stormwater (continue into 2019)
- 8th Street Bridges Protective Screens
- Tumwater Street Bridge joint
- Whidby Avenue water main replacement
- E Street Reservoir PRV station
- City Pier float replacement
- 911 system upgrade, records management, servers improvements and replacements
- Craig Avenue water main and storm water repairs
- Marine Drive Bridge and utility crossing at that location
- Light operations building move, underground & overhead replacements and reconductoring
- Metal Recycle Facility Fence
- Fire Department Turnout Gear (52 sets of firefighting gear) and a new defibrillator
- Fire Hall living Area
- Police Department Mobile Data Terminal replacements
- Senior Center Multipurpose room
- Tables & Chairs for public use
- Erickson playfield cameras
- Lincoln BMX track starting gate

**Major projects for 2019-2025 include:**

- New Light Operations Building
- Laurel Street and I Street Substation Switchgear, A Street Substation breaker
- Electric pole, underground and overhead line replacements
- F Street Station transformer and switchgear
- Wastewater Pump Station #3 replacement
- Sewer rehabs
- Setting funds aside for the restroom replacement program & facility revolving fund
- Ennis Creek Culvert and Peabody Creek / Lincoln Street Culvert
- Water mains in eight locations
- Peabody Creek water quality through Stormwater runoff improvements
- H Street and Liberty Stormwater projects
- Parks Department Maintenance building replacement
- Replacement of vehicles per schedule with work requirement change

The CFP/TIP is an important part of the overall ongoing financial planning for the City. This plan incorporates the Comprehensive Plan, Annual Budget, Cost of Service Studies, Long-Range Financial Plan, The Strategic Plan and input from various committees, City Council and City Staff. Since this is a living document, any changes in priorities or funding will be made by Council as they become available. As with all living documents changes present a continual balancing act to ensure funding is available and City Staff have time to complete the project. This document will provide an easy reference point for impacts and changes to the capital budget and plans listed above.

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 2020-2025 six-year planning window. This will provide at-a-glance information for the next six years and provide information on current project spending.

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

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

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

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

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

## EXECUTIVE SUMMARY

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

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

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



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

- Governmental and transportation projects will continue at an average spending level. This does not allow for the accumulation of depreciation levels or for replacement of assets that are past their prime, but keeps funding at levels the General Fund can afford.
- City of Port Angeles residents voted to approve the Transportation Benefit District (TBD), with a 0.02% additional sales tax beginning in 2018. This revenue source will enhance funding for transportation projects. In 2018, \$827,542 was collected. In the 2020-2025 CFP/TIP projects that will utilize this additional funding have been separated for ease of accountability.
- Some of the utility plan appears 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 amount is averaged over the 6 year CFP cycle.
- The wastewater utility previously was falling short of required depreciation levels. The fund has reached full depreciation levels due to funds set aside for this purpose.
- 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.

## CHANGES FROM PRELIMINARY DOCUMENT PUBLISHED MAY 8, 2019

Project total columns and a prior years totals were added to all project pages throughout the document.

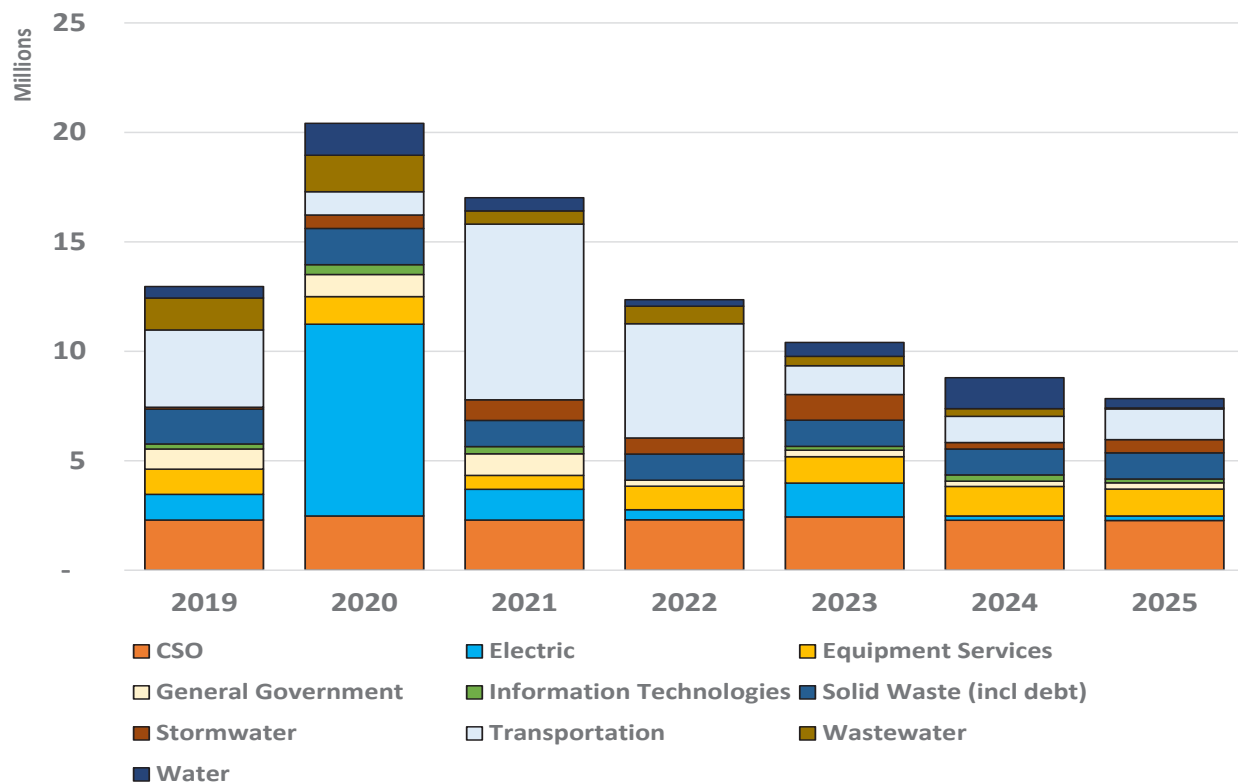
PROJECT	DESCRIPTION	PAGE
GG0219 - Downtown Improvement Plan	Removed	N/A
GG0319 - Peabody Creek Daylight	New project added in the unfunded section	45
FD0319 - Fire Department Driveway	\$50,000 spending removed from 2020	N/A
PK0819 - City Pier Railing	New projected added and prioritized for 2019 completion	63
PK0119 - Erikson Playfield Pump Track	Changed from unfunded to planning	66
PK0319 - City Pier Inspection Repairs	Amount reduced as a result of the Pier Railing project	69
General Fund Summary	Actual funding reflected on projection charts improved cash	36
Solid Waste Summary	Correction to bond payments by year	160
Stormwater Summary	Formula error correction for years 2023-2025	168
Equipment Services Replacements	2019 replacement costs corrected to reflect budget changes	182
TR0719 - First & Front St. Decoupling	New project added in the unfunded section	277
TR0819 - Mt. Angeles & Porter Rd Sidewalks	New project added in the unfunded section	278



# EXPENDITURE SUMMARY BY PROJECT TYPE

Expenditures	Budget 2019	CAPITAL FACILITIES PLAN					
		2020	2021	2022	2023	2024	2025
CSO	2,297,965	2,484,158	2,290,351	2,301,543	2,432,736	2,278,928	2,275,121
Electric	1,165,800	8,750,000	1,400,000	460,000	1,550,000	200,000	200,000
Equipment Services	1,147,400	1,263,800	642,500	1,073,422	1,199,500	1,346,161	1,232,000
General Government	929,300	1,011,000	984,000	282,000	295,000	245,000	285,000
Information Technologies	225,000	451,000	330,000	-	180,000	280,000	180,000
Solid Waste (incl debt)	1,587,450	1,650,300	1,194,000	1,194,300	1,193,900	1,192,750	1,194,325
Stormwater	87,565	620,000	945,000	735,000	1,170,000	295,000	600,000
Transportation	3,530,256	1,055,000	8,021,700	5,215,000	1,325,000	1,195,000	1,400,000
Wastewater	1,462,065	1,675,000	600,000	795,000	420,000	350,000	50,000
Water	521,950	1,448,200	611,000	298,000	642,400	1,407,000	426,000
<b>Totals</b>	<b>12,954,751</b>	<b>20,408,458</b>	<b>17,018,551</b>	<b>12,354,266</b>	<b>10,408,536</b>	<b>8,789,839</b>	<b>7,842,446</b>

SPENDING BY PROJECT TYPE AND YEAR



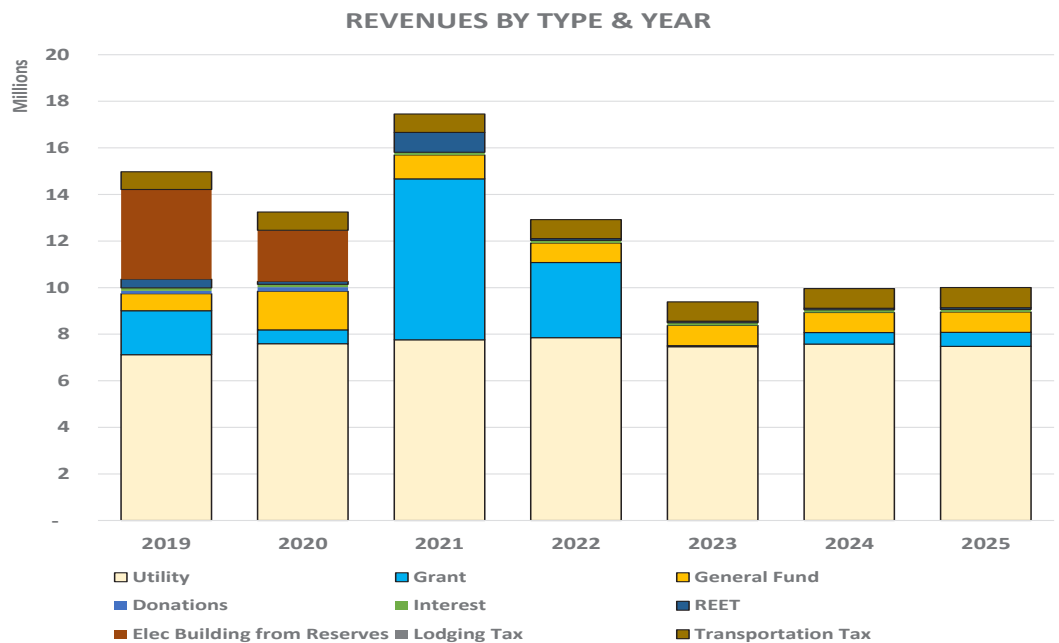
# FUNDING SOURCES BY TYPE

Revenues	2019	2020	2021	2022	2023	2024	2025
CSO	2,332,645	2,333,339	2,330,322	2,331,122	2,331,713	2,329,693	2,330,708
Electric	4,650,000	3,300,000	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000
Equipment Services	875,800	1,079,973	1,089,538	1,099,152	1,108,184	1,117,310	1,127,486
General Government	896,800	1,428,500	576,500	324,500	350,500	300,500	301,500
Information Technologies	326,500	346,500	366,500	376,500	386,500	396,500	406,500
Solid Waste (incl debt)	1,218,896	1,481,825	1,106,155	1,104,398	1,102,600	1,100,774	1,098,935
Stormwater	400,000	400,000	900,000	400,000	400,000	400,000	400,000
Transportation	2,939,640	1,510,706	8,598,018	4,767,242	1,168,485	1,750,053	1,741,952
Wastewater	783,500	803,500	823,500	843,500	863,500	883,500	903,500
Water	562,000	568,000	574,000	580,000	586,000	592,000	598,000
<b>Totals</b>	<b>14,985,781</b>	<b>13,252,343</b>	<b>17,464,533</b>	<b>12,926,415</b>	<b>9,397,483</b>	<b>9,970,330</b>	<b>10,008,581</b>

Revenue by Type	2019	2020	2021	2022	2023	2024	2025
Utility	7,119,245	7,590,739	7,759,222	7,848,522	7,460,113	7,574,093	7,476,108
Grant	1,888,596	597,300	6,912,200	3,225,000	50,000	500,000	600,000
General Fund	727,300	1,655,600	1,022,600	843,600	864,600	859,600	880,600
Donations	125,000	175,000	-	-	-	-	-
Interest	128,096	119,598	115,793	113,650	110,884	108,184	106,521
REET	373,744	125,000	850,000	75,000	75,000	75,000	75,000
Elec Building from Reserves	3,850,000	2,200,000	-	-	-	-	-
Internal service funds	8,500	8,500	8,500	8,500	8,500	8,500	8,500
Lodging Tax	-	-	-	-	-	-	-
Transportation Tax	765,300	780,606	796,218	812,142	828,385	844,953	861,852
<b>Totals</b>	<b>14,985,781</b>	<b>13,252,343</b>	<b>17,464,533</b>	<b>12,926,415</b>	<b>9,397,483</b>	<b>9,970,330</b>	<b>10,008,581</b>

\*2019 includes \$3.6 million from Electric Operations Rate Stabilization Reserves for the electric building construction.

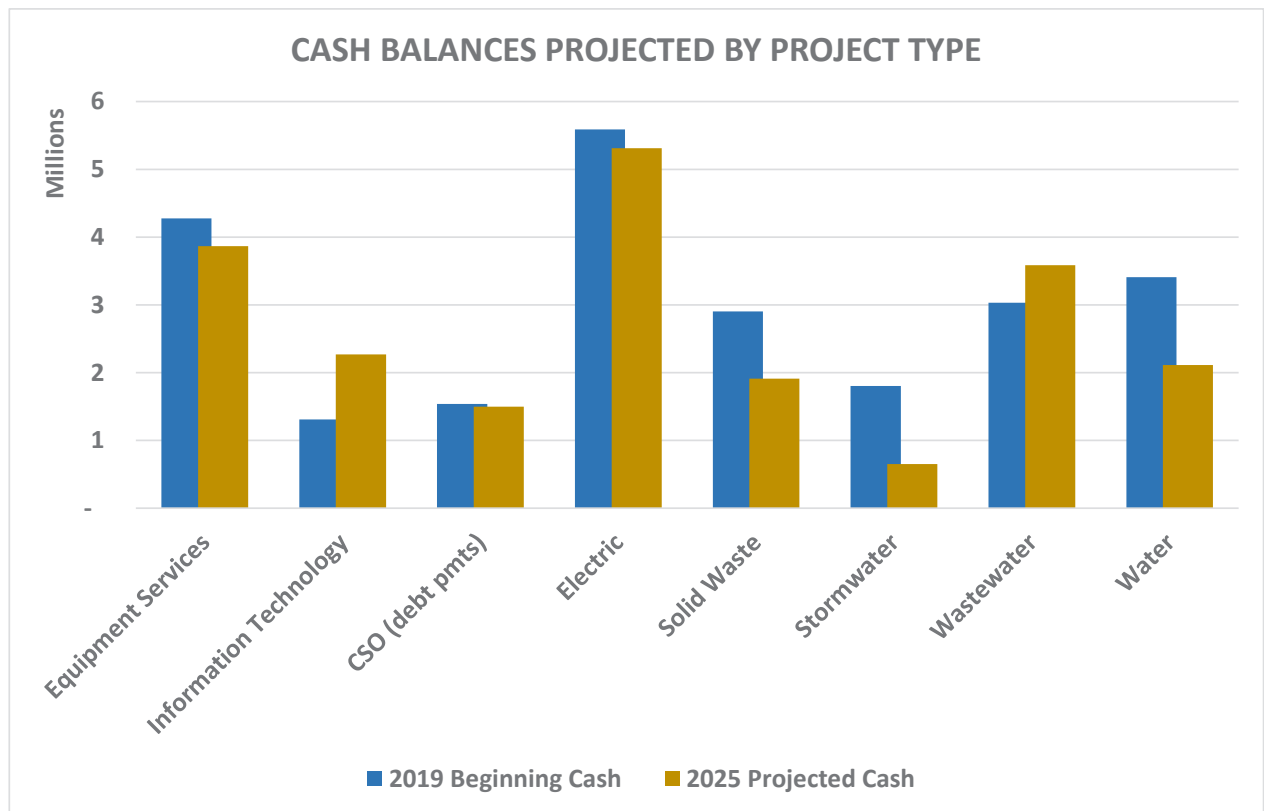
Note: General Fund amounts include allocated amounts reported in the operating Internal Service Funds as revenues for both Information Technologies and Equipment Services.



Capital Fund	2019 Beginning Cash	2025 Projected Cash	2025 Projected Depreciation	Cash Ratio to Depreciation
Governmental	1,141,662	1,289,162	2,188,210	0.6
Transportation	1,203,596	1,937,737	3,010,365	0.6
Equipment Services	4,274,153	3,866,813	690,523	5.6
Information Technology	1,309,609	2,269,109	1,544,518	1.5
CSO (debt pmts)	1,537,256	1,495,996	NA	NA
Electric	5,587,920	5,312,120	3,595,429	1.5
Solid Waste	2,904,791	1,911,350	567,281	3.4
Stormwater	1,804,776	652,211	359,102	1.8
Wastewater	3,032,490	3,584,924	3,560,810	1.0
Water	3,406,721	2,112,171	2,009,608	1.1
<b>Total Cash</b>	<b>26,202,976</b>	<b>24,431,595</b>	<b>17,525,847</b>	<b>1.4</b>

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

\*CSO depreciation is included in Wastewater and is not included in the analysis of the cash/depreciation ratio. At the current rate the CSO project can be paid off 3 to 4 years earlier than expected. Additionally, Wastewater will reach the 1:1 ratio in 2025.



# 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.

					CAPITAL FACILITIES PLAN					
GENERAL GOVERNMENT CAPITAL PROJECTS		PRIORITY	TOTAL PROJECT	BUDGET 2019	2020	2021	2022	2023	2024	2025
Number	Title									
<b>GENERAL GOVERNMENT/FACILITIES</b>										
GG0303	NICE Program	R	732,100	100,000	100,000	100,000	100,000	100,000	100,000	100,000
GG1113	Facility Security Projects - City Hall Cameras	2	184,268	60,000	31,000	75,000	-	-	-	-
GG0416	City Hall Fire Detection System	3	75,000	75,000	-	-	-	-	-	-
GG0516	Senior Center Fire Detection System	4	50,000	-	50,000	-	-	-	-	-
GG0418	City Entrance Monuments	UF	125,000	-	-	-	-	-	-	-
GG0916	Valley Creek Restoration Phase III	UF	2,110,940	-	-	-	-	-	-	-
GG0119	Ennis Creek Fish Barrier Removal	UF	950,000	-	-	-	-	-	-	-
GG0319	Peabody Creek Daylight	UF	-	-	-	-	-	-	-	-
<b>PUBLIC SAFETY</b>										
CAPPC	Pencom Capital	R	555,475	53,300	50,000	50,000	50,000	50,000	50,000	50,000
PD0116	Mobile Data Terminal Replacements	A	140,467	21,000	25,000	28,000	-	-	-	-
PD0119	Computer Aided Dispatch/Law Enforcement Records Management System	1	300,000	50,000	250,000	-	-	-	-	-
FD0415	Fire Dept Turn-Out Gear	R	160,316	-	-	-	-	-	-	-
FD0615	Fire Hoses	R	40,643	5,000	5,000	5,000	5,000	5,000	5,000	5,000
FD0118	Defibrillator Revolving Account	R	216,883	35,000	35,000	36,000	37,000	-	-	40,000
FD0218	Self Contained Breathing Apparatus	R	-	-	-	-	-	-	-	-
FD0318	Emergency Management Pods	6	150,000	-	50,000	50,000	-	50,000	-	-
FD0315	Fire Station Garage Door Replacement	7	50,000	-	50,000	-	-	-	-	-
GG0616	Fire Hall HVAC	UF	-	-	-	-	-	-	-	-
PD0307	Police Regional Training Facility	UF	80,000	-	-	-	-	-	-	-
FD0216	Fire Training Facility	UF	80,000	-	-	-	-	-	-	-
FD0316	Senior Center EOC Generator (Secondary City EOC)	UF	150,000	-	-	-	-	-	-	-
FD0416	Radio Transmitter Generator (1 & 10th Streets)	UF	15,000	-	-	-	-	-	-	-
FD0119	West Side Fire Station	UF	2,125,000	-	-	-	-	-	-	-
FD0219	Emergency Operations Center	UF	-	-	-	-	-	-	-	-
<b>PARKS AND RECREATION</b>										
PK0216	Facility Improvement Revolving Fund	R	105,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
PK0205	Restroom Replacement Program	R	525,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000
PK0418	Civic Field Upgrades	A	98,676	75,000	-	-	-	-	-	-
PK0219	Generation II Dream Playground	8	425,000	200,000	225,000	-	-	-	-	-
PK0819	City Pier Railing Replacement	9	165,000	165,000	-	-	-	-	-	-
PK0619	Downtown Tree Replacement Phase III	10	100,000	-	-	100,000	-	-	-	-
PK0719	Parks Maintenance Building	11	500,000	-	50,000	450,000	-	-	-	-
PK0119	Erickson Playfield Pump Track	UF	100,000	-	-	-	-	-	-	-
PK0802	Neighborhood Park Development	UF	500,000	-	-	-	-	-	-	-
PK0406	Shane & Elks Field Lighting	UF	500,000	-	-	-	-	-	-	-
PK0316	Locomotive #4 Refurbishment	UF	50,000	-	-	-	-	-	-	-
PK0218	Lincoln Park Parking Lot Paving	UF	50,000	-	-	-	-	-	-	-
PK0318	Waterfront Trail Rip-Rap Repair	UF	6,700,000	-	-	-	-	-	-	-
PK0319	City Pier Inspection Repairs	UF	835,000	-	-	-	-	-	-	-
PK0419	Waterfront Trail Culvert Installation	UF	-	-	-	-	-	-	-	-
PK0519	City Pier Hillside Stabilization (Peabody Creek)	UF	-	-	-	-	-	-	-	-
<b>TOTALS</b>			18,944,768	929,300	1,011,000	984,000	282,000	295,000	245,000	285,000

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded



					CAPITAL FACILITIES PLAN					
ELECTRIC PROJECTS		PRIORITY	TOTAL PROJECT	BUDGET 2019	2020	2021	2022	2023	2024	2025
Number	Title									
<b>ELECTRIC</b>										
CL0218	Leasehold Improvements	A	143,396	65,800	-	-	-	-	-	-
CL0414	Construct New Light Ops Building	A	6,400,000	400,000	6,000,000	-	-	-	-	-
CL0916	Replace Laurel Street Substation Switchgear	A	500,000	500,000	-	-	-	-	-	-
CL0219	Underground Cable Replacement - 2019	A	200,000	200,000	-	-	-	-	-	-
CL0716	F Street Substation Transformer and Switchgear	1	1,500,000	-	1,500,000	-	-	-	-	-
CL0119	Overhead Reconductoring - 2020	2	200,000	-	200,000	-	-	-	-	-
CL0319	Underground Cable Replacement - 2020	3	200,000	-	200,000	-	-	-	-	-
CL0217	I Street Substation Switchgear	4	500,000	-	-	500,000	-	-	-	-
CL0919	Replace "A" Street Substation Breaker	5	500,000	-	-	500,000	-	-	-	-
CL0419	Underground Cable Replacement - 2021	6	200,000	-	-	200,000	-	-	-	-
CL0519	Underground Cable Replacement - 2022	7	200,000	-	-	-	200,000	-	-	-
CL0117	Washington Street Substation Switchgear	8	500,000	-	-	-	-	500,000	-	-
CL0819	Overhead Reconductoring - 2023	9	200,000	-	-	-	-	200,000	-	-
CL0619	Underground Cable Replacement - 2023	10	200,000	-	-	-	-	200,000	-	-
CL0719	Underground Cable Replacement - 2024	11	200,000	-	-	-	-	-	200,000	-
CL0216	City/PUD Service Area Capital Needs	12	400,000	-	200,000	200,000	-	-	-	-
CL0202	Feeder Tie Hwy 101, Porter to Golf Course Road	13	260,000	-	-	-	260,000	-	-	-
CL0313	Pole Replacement Program	14	1,300,000	-	650,000	-	-	650,000	-	-
CL1019	Underground Cable Replacement - 2025	15	200,000	-	-	-	-	-	-	200,000
CL0816	College Street Substation Switchgear	UF	500,000	-	-	-	-	-	-	-
<b>TOTALS</b>			<b>14,303,396</b>	<b>1,165,800</b>	<b>8,750,000</b>	<b>1,400,000</b>	<b>460,000</b>	<b>1,550,000</b>	<b>200,000</b>	<b>200,000</b>

					CAPITAL FACILITIES PLAN					
WATER PROJECTS		PRIORITY	TOTAL PROJECT	BUDGET 2019	2020	2021	2022	2023	2024	2025
Number	Title									
<b>WATER</b>										
WT0118	Ranney Well Roof	A	90,333	90,000	-	-	-	-	-	-
WT0215	Marine Drive Channel Water Main Crossing Replacement	A	83,075	27,450	-	-	-	-	-	-
WT0218	Reservoir Repairs	A	175,000	175,000	-	-	-	-	-	-
WT0419	Decant Facility at Transfer Station - Water Soils Decant Bays	A	150,000	25,000	125,000	-	-	-	-	-
WT0512	East 4th Street Water Main	A	405,000	50,000	355,000	-	-	-	-	-
WT0518	10th Street Water Main (1 to N)	A	319,966	40,000	-	-	-	-	-	-
WT0612	3rd & Vine Street Main	A	361,000	50,000	311,000	-	-	-	-	-
WT0319	Ground Water Test Wells	1	600,000	-	150,000	250,000	200,000	-	-	-
WT0212	East 6th Street Water Main	2	368,200	-	57,200	311,000	-	-	-	-
WT0519	Water Treatment Plant Repairs	3	170,000	-	170,000	-	-	-	-	-
WT0412	West 4th Street Water Main	4	1,239,400	-	-	-	-	202,400	1,037,000	-
WT0111	Liberty Street Water Main	5	455,609	5,000	-	-	48,000	390,000	-	-
WT0717	Race/Caroline Street Fire Flow	6	760,000	-	-	-	-	-	120,000	-
WT0219	Peabody Heights Floating Cover Replacement	7	400,000	-	-	-	-	-	200,000	200,000
WT0112	10th Street Water Main	8	1,081,000	-	-	-	-	-	-	176,000
WT0619	Peabody Reservoir Inlet Pipe Replacement	9	230,000	-	230,000	-	-	-	-	-
CAPWT	General Water Equipment	R	469,239	59,500	50,000	50,000	50,000	50,000	50,000	50,000
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	-	-	-	-	-	-	-
WT0309	Morse Creek Water Mains to Clallam PUD #1	UF	400,000	-	-	-	-	-	-	-
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>TOTALS</b>			<b>25,759,322</b>	<b>521,950</b>	<b>1,448,200</b>	<b>611,000</b>	<b>298,000</b>	<b>642,400</b>	<b>1,407,000</b>	<b>426,000</b>

Key	
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					CAPITAL FACILITIES PLAN					
WASTEWATER PROJECTS		PRIORITY	TOTAL PROJECT	BUDGET 2019	2020	2021	2022	2023	2024	2025
Number	Title									
<b>WASTEWATER</b>										
WW0205	Biosolids Dewatering and Reuse	A	1,462,926	50,000	-	-	-	-	-	-
WW0308	Pump Station #3 Replacement	A	1,042,358	810,000	200,000	-	-	-	-	-
WW0315	Marine Channel Bridge Sewer Crossing	A	89,900	89,900	-	-	-	-	-	-
WW0618	2019 Neighborhood Sewer Rehab	A	300,000	300,000	-	-	-	-	-	-
WW0815	Laurel Street Sewer Separation	A	275,000	25,000	250,000	-	-	-	-	-
WW0715	Oak Street Sewer Separation	A	275,000	25,000	250,000	-	-	-	-	-
WW1218	10th Street Sewer Main	A	23,034	3,200	-	-	-	-	-	-
WW0519	Decant Facility at Transfer Station - Wastewater Soils Decant Bays	A	150,000	25,000	125,000	-	-	-	-	-
WW0419	WWTP HVAC Replacement	1	200,000	50,000	150,000	-	-	-	-	-
WW0219	WWTP Digester Cleaning and Repair	2	100,000	-	100,000	-	-	-	-	-
WW0508	Digester Mixing Improvement WWTP	3	600,000	-	50,000	150,000	400,000	-	-	-
WW0319	Wastewater Comprehensive Plan	4	300,000	-	200,000	100,000	-	-	-	-
WW0718	2020 Neighborhood Sewer Rehabilitation	5	300,000	-	300,000	-	-	-	-	-
WW0818	2021 Neighborhood Sewer Rehabilitation	6	300,000	-	-	300,000	-	-	-	-
WW0918	2022 Neighborhood Sewer Rehabilitation	7	300,000	-	-	-	300,000	-	-	-
WW0516	WWTP Boiler Replacement	8	115,000	-	-	-	45,000	70,000	-	-
WW1018	2023 Neighborhood Sewer Rehabilitation	9	300,000	-	-	-	-	300,000	-	-
WW1118	2024 Neighborhood Sewer Rehabilitation	10	300,000	-	-	-	-	-	300,000	-
CAPWW	General Wastewater Equipment	R	586,835	84,000	50,000	50,000	50,000	50,000	50,000	50,000
WW0415	Pump Station #5 Rehabilitation	UF	-	-	-	-	-	-	-	-
WW0915	Pump Station #6 Improvements	UF	-	-	-	-	-	-	-	-
WW0110	Aeration Blower Replacement	UF	550,000	-	-	-	-	-	-	-
WW0216	Washington Street Sewer Lateral	UF	70,000	-	-	-	-	-	-	-
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	2,000,000	-	-	-	-	-	-	-
WW0518	Francis Street Sewer Trestle Repair	UF	50,000	-	-	-	-	-	-	-
<b>TOTALS</b>			<b>12,090,053</b>	<b>1,462,100</b>	<b>1,675,000</b>	<b>600,000</b>	<b>795,000</b>	<b>420,000</b>	<b>350,000</b>	<b>50,000</b>

					CAPITAL FACILITIES PLAN					
CSO PROJECTS		PRIORITY	TOTAL PROJECT	BUDGET 2019	2020	2021	2022	2023	2024	2025
Number	Title									
<b>COMBINED SEWER OVERFLOW</b>										
WW0316	CSO 6 and 7 Reconstruction		208,449	-	-	-	15,000	150,000	-	-
WW0117	Francis Street Pigging Bypass		190,000	-	190,000	-	-	-	-	-
<b>TOTALS</b>			<b>398,449</b>	<b>-</b>	<b>190,000</b>	<b>-</b>	<b>15,000</b>	<b>150,000</b>	<b>-</b>	<b>-</b>

					CAPITAL FACILITIES PLAN					
SOLID WASTE PROJECTS		PRIORITY	TOTAL PROJECT	BUDGET 2019	2020	2021	2022	2023	2024	2025
Number	Title									
<b>SOLID WASTE</b>										
SW0112	Decant Facility at Transfer Station	A	637,354	155,000	457,300	-	-	-	-	-
SW0117	Landfill Operating Software	A	80,000	80,000	-	-	-	-	-	-
SW0217	Landfill Flare Replacement	A	204,789	156,000	-	-	-	-	-	-
SW0218	Landfill Security Fencing	UF	200,000	-	-	-	-	-	-	-
<b>TOTALS</b>			<b>1,122,143</b>	<b>391,000</b>	<b>457,300</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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STORMWATER PROJECTS				CAPITAL FACILITIES PLAN						
Number	Title	PRIORITY	TOTAL PROJECT	BUDGET 2019	2020	2021	2022	2023	2024	2025
<b>STORMWATER</b>										
DR0213	H Street Stormwater Outfall	A	514,463	10,000	500,000	-	-	-	-	-
DR0215	Francis Street Outfall Repair	A	35,000	35,000	-	-	-	-	-	-
DR0118	10th Street Catch Basins	A	370,000	42,565	-	-	-	-	-	-
DR0404	Stormwater at Canyon Edge & Ahlvers	1	1,045,000	-	120,000	925,000	-	-	-	-
DR0117	Peabody Street Water Quality Project	2	620,000	-	-	20,000	600,000	-	-	-
DR0115	Liberty Street Stormwater Improvement	3	1,135,000	-	-	-	135,000	1,000,000	-	-
DR0119	N Street Outfall Improvement	4	250,000	-	-	-	-	70,000	180,000	-
DR0304	Stormwater at Laurel Street & US 101	5	575,000	-	-	-	-	-	75,000	500,000
DR0219	Outfall to Creek Improvement Program	6	140,000	-	-	-	-	-	40,000	100,000
DR0804	Lincoln Park/Big Boy Pond Study	7	100,000	-	-	-	-	100,000	-	-
DR0112	Valley Creek Culvert & Outfall	UF	800,000	-	-	-	-	-	-	-
<b>TOTALS</b>			<b>5,584,463</b>	<b>87,565</b>	<b>620,000</b>	<b>945,000</b>	<b>735,000</b>	<b>1,170,000</b>	<b>295,000</b>	<b>600,000</b>

DEPARTMENT				CAPITAL FACILITIES PLAN						
	PRIORITY	TOTAL PROJECT	BUDGET 2019	2020	2021	2022	2023	2024	2025	
<b>EQUIPMENT SERVICES</b>										
Finance			-	-	-	33,122	-	34,461	-	-
Community Development			-	-	-	-	-	-	-	-
Police			151,200	154,500	157,500	160,500	163,800	167,100	227,200	-
Fire & Medic 1			244,300	47,200	-	54,600	694,500	273,700	-	-
Parks & Recreation			91,000	-	80,100	30,800	92,900	42,500	90,800	-
Engineering			-	-	-	-	-	59,800	46,900	-
Light Operations			329,000	-	43,300	63,500	76,000	57,400	122,700	-
Water			42,600	212,200	39,000	-	140,800	41,400	-	-
Wastewater			62,400	-	-	-	31,500	-	36,900	-
Solid Waste			45,800	407,500	-	427,300	-	398,600	24,500	-
Stormwater			-	23,200	-	-	-	-	-	-
Conservation			-	-	-	-	-	-	-	-
Equipment Services			25,000	-	68,200	276,000	-	75,700	281,700	-
Information Technology			-	-	-	-	-	-	-	-
Streets			-	-	-	-	-	-	-	-
<b>TOTALS</b>			<b>1,147,400</b>	<b>1,263,800</b>	<b>642,500</b>	<b>1,073,422</b>	<b>1,199,500</b>	<b>1,346,161</b>	<b>1,232,000</b>	

INFORMATION TECHNOLOGY PROJECTS			PRIORITY	PROJECT TOTAL	Budget 2019	CAPITAL FACILITIES PLAN					
						2020	2021	2022	2023	2024	2025
<b>INFORMATION SERVICES</b>											
IT0317	Phone System 911 Interface - PSALI PBX Server	A	42,820	5,000	-	-	-	-	-	-	-
IT0918	Internal Network Segmentation & VLAN Configuration	A	220,977	130,000	-	-	-	-	-	-	-
IT0218	Click2Gov3 / Fusion	A	14,885	5,000	-	-	-	-	-	-	-
IT0217	SCADA Server Replacements	A	75,000	75,000	-	-	-	-	-	-	-
IT0816	Facility and Class Management Scheduling	A	10,000	10,000	-	-	-	-	-	-	-
IT0214	Records Management System	A	104,109	-	-	30,000	-	30,000	-	30,000	-
IT0618	Virtual Server Replacements - EXSI	1	450,000	-	-	150,000	-	150,000	-	-	150,000
IT0714	Data Backup Systems Replacement	2	210,000	-	210,000	-	-	-	-	-	-
IT0716	ERP Road Map	3	50,000	-	50,000	-	-	-	-	-	-
IT0514	Data Storage Array Systems	4	150,000	-	-	150,000	-	-	-	-	-
IT0119	Wireless Bridge	5	60,000	-	60,000	-	-	-	-	-	-
IT0319	Network Refresh	6	280,000	-	-	-	-	-	-	280,000	-
IT0219	City Hall Wireless Network	7	21,000	-	21,000	-	-	-	-	-	-
IT1018	UPS Replacement - Disaster Recovery Data Center	8	60,000	-	60,000	-	-	-	-	-	-
IT0416	Cemetery Software	9	30,000	-	30,000	-	-	-	-	-	-
IT1118	IT Security Audit	11	20,000	-	20,000	-	-	-	-	-	-
IT0617	Executime Scheduling Module	UF	30,000	-	-	-	-	-	-	-	-
IT1213	Enterprise Information System	UF	3,200,000	-	-	-	-	-	-	-	-
IT0216	Business License System	UF	125,000	-	-	-	-	-	-	-	-
<b>TOTALS</b>			<b>5,153,791</b>	<b>225,000</b>	<b>451,000</b>	<b>330,000</b>	<b>-</b>	<b>180,000</b>	<b>280,000</b>	<b>180,000</b>	

Key	
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					TRANSPORTATION IMPROVEMENT PLAN					
TRANSPORTATION PROJECTS		PRIORITY	PROJECT TOTAL	Budget 2019	2020	2021	2022	2023	2024	2025
Number	Title									
<b>TRANSPORTATION BENEFIT DISTRICT PROJECTS</b>										
TR1118	Revolving Street Improvements	R	180,000	30,000	30,000	30,000	30,000	30,000	30,000	-
TR0405	Alley Paving Revolving Funding	R	875,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000
TR1100	10th Street Reconstruction (I to N Streets)	A	1,999,984	444,000	-	-	-	-	-	-
TR0515	Lauridsen Blvd Overlay (Lincoln to Ennis Streets)	A	1,030,800	1,030,800	-	-	-	-	-	-
TR0414	Peabody Creek/Lincoln Street Culvert Repair	1	3,446,300	446,300	-	-	3,000,000	-	-	-
TR1299	Park Avenue Chip Seal (Peabody to Race Streets)	2	130,000	130,000	-	-	-	-	-	-
TR1516	Peabody Street Chip Seal Phase I (Lauridsen Blvd to 8th St)	4	125,000	-	125,000	-	-	-	-	-
TR0215	Peabody Street Chip Seal Phase III (Ahlvers Rd to Park Ave)	5	125,000	-	125,000	-	-	-	-	-
TR0315	Peabody Street Chip Seal Phase II (Park Ave to Lauridsen Blvd)	6	200,000	-	200,000	-	-	-	-	-
TR0615	Golf Course Road Chip Seal (1st St to Lindberg Rd)	7	200,000	-	-	200,000	-	-	-	-
TR0218	Lincoln Street Safety	8	1,485,000	135,000	100,000	1,250,000	-	-	-	-
TR1416	Hamilton School Walking Routes	9	215,000	15,000	-	-	200,000	-	-	-
TR0616	ADA - Francis Street	10	300,000	-	-	-	300,000	-	-	-
TR0618	Stevens Middle School Walking Routes	17	650,000	-	-	-	-	50,000	600,000	-
TR0115	N Street Chip Seal (5th to 15th Streets)	18	300,000	-	-	-	300,000	-	-	-
TR0518	I Street Chip Seal (5th to 16th Streets)	19	300,000	-	-	-	-	300,000	-	-
TR0316	8th Street Chip Seal (A to I Streets)	20	300,000	-	-	-	300,000	-	-	-
TR0219	5th Street Chip Seal (A to M Streets)	21	300,000	-	-	-	-	300,000	-	-
TR0417	Ennis Street Pavement Repair	23	70,000	-	-	-	70,000	-	-	-
TR0117	Liberty Street Reconstruction	24	460,000	-	-	-	10,000	450,000	-	-
TR0915	Park Avenue Paving Overlay (Race to Liberty Streets)	25	390,000	-	-	-	-	-	15,000	375,000
TR1116	School Area Speed Signs (Near Franklin)	26	50,000	-	-	-	-	50,000	-	-
TR0716	ADA - Peabody Street	28	310,000	-	-	-	-	10,000	300,000	-
TR0119	8th Street Paving (Lincoln to A Streets)	29	900,000	-	-	-	-	-	-	900,000
TR0818	Railroad Ave Overlay	UF 30	200,000	-	-	-	-	-	-	-
TR0499	Laurel St/Ahlvers Road Overlay	UF 31	400,000	-	-	-	-	-	-	-
TR0816	ADA - Cherry Street	UF 33	300,000	-	-	-	-	-	-	-
TR0815	Old Mill Chip Seal (Ahlvers Rd to City Limits)	UF 34	-	-	-	-	-	-	-	-
TR1015	Cherry Street Area Chip Seal	UF 35	750,000	-	-	-	-	-	-	-
TR0916	ADA - Oak & Laurel Streets	UF 37	300,000	-	-	-	-	-	-	-
TR1899	Lincoln, Laurel and Lauridsen Blvd Intersection	UF 40	100,516	-	-	-	-	-	-	-
TR0104	2nd & Valley Streets Pavement	UF 42	550,000	-	-	-	-	-	-	-
TR0308	O Street Improvements	UF 46	1,500,000	-	-	-	-	-	-	-
TR0599	Hill Street Intersection	UF 47	485,000	-	-	-	-	-	-	-
TR1799	Truck Route at Hwy 101 Intersection	UF 48	6,000,000	-	-	-	-	-	-	-
TR0317	Chase Street Vicinity Chip Seal	UF 53	320,000	-	-	-	-	-	-	-
TR0419	Lauridsen Blvd Reconstruction (L St to City Limits)	UF 55	320,000	-	-	-	-	-	-	-
<b>TRANSPORTATION PROJECTS</b>										
TR0111	Marine Drive Channel Bridge	A	644,687	319,800	-	-	-	-	-	-
TR0114	Hill Street - Olympic Discovery Trail	A	1,648,165	46,000	-	1,421,700	-	-	-	-
TR0209	Race Street Complete Design & Construction Phase I	A	3,564,954	189,800	115,000	3,000,000	-	-	-	-
TR0909	Wayfinding & ODT Signage	A	212,013	211,500	-	-	-	-	-	-
TR1216	5th & Liberty Streets Solar Speed Display	A	50,000	50,000	-	-	-	-	-	-
TR0519	Peabody Street Sidewalk Repair	3	95,000	95,000	-	-	-	-	-	-
TR0715	16th Street LID (C to L Streets)	11	1,060,000	160,000	-	900,000	-	-	-	-
TR0416	1st/2nd/Valley/Oak Green Alley	12	472,216	-	-	450,000	-	-	-	-
TR1215	City Hall East Parking Lot LID	13	602,000	102,000	-	-	500,000	-	-	-
TR0517	6th/7th Alley (Francis to Washington Streets)	14	200,000	-	200,000	-	-	-	-	-
TR0101	Laurel Street Stairs Replacement	15	410,000	-	35,000	375,000	-	-	-	-
TR0418	Front Street Alleys	16	250,000	-	-	250,000	-	-	-	-
TR0318	8th/10th Street Bike Lanes	22	400,000	-	-	20,000	380,000	-	-	-
TR0319	Albert Street Alley (4th/5th Streets)	27	135,000	-	-	-	-	10,000	125,000	-
TR0113	Waterfront Redevelopment Phase III	UF 32	8,100,000	-	-	-	-	-	-	-
TR1016	18th Street Bike Accessibility	UF 36	700,000	-	-	-	-	-	-	-
TR1399	Traffic Signal Interconnect/Preemption	UF 38	725,000	-	-	-	-	-	-	-
TR1109	Marine Drive Bulkhead Repairs	UF 39	-	-	-	-	-	-	-	-
TR0212	Caroline Street Slide Repair	UF 41	375,000	-	-	-	-	-	-	-
TR1009	1st, Front & Race Street Nodes	UF 43	423,000	-	-	-	-	-	-	-
TR0516	Nancy Lane Pavement	UF 44	200,000	-	-	-	-	-	-	-
TR0506	Valley Creek Trail Loop	UF 45	100,000	-	-	-	-	-	-	-
TR0208	Alternate Cross-Town Route Study	UF 49	220,000	-	-	-	-	-	-	-
TR0718	Public View Points	UF 50	75,000	-	-	-	-	-	-	-
TR0918	Downtown Tree/Sidewalk Replacement Phase II	UF 51	200,000	-	-	-	-	-	-	-
TR1316	Traffic Control	UF 52	200,000	-	-	-	-	-	-	-
TR1018	Zig Zag at Oak Street	UF 54	500,000	-	-	-	-	-	-	-
TR0619	Race Street Complete Construction Phase II	UF 56	6,000,000	-	-	-	-	-	-	-
TR0719	First & Front Street Decoupling	UF 57	-	-	-	-	-	-	-	-
TR0819	Sidewalks for Mt Angeles Rd & Porter St	UF 58	1,000,000	-	-	-	-	-	-	-
<b>TOTALS</b>			<b>54,129,634</b>	<b>3,530,200</b>	<b>1,055,000</b>	<b>8,021,700</b>	<b>5,215,000</b>	<b>1,325,000</b>	<b>1,195,000</b>	<b>1,400,000</b>

Key	
A	Active
R	Revolving
#	Priority Assigned Number
UF	Unfunded



# FREQUENTLY ASKED QUESTIONS

## **What is a project?**

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

## **There are many projects listed in the CFP/TIP (referred to as CFP, TIP and Capital Facilities Plan in the following document). 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.

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?**

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 has limitations on the timeline of completion. However, grant funding can 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.

### **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), and lodging taxes. 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.

Utility projects, 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.

### **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.

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

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

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

Yes, as long as the project is not closed and completed it will continue to be included in the CFP.



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

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

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

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

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

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



# 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 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 and not once a year. It is an organic 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.

## Why do we need a CFP/TIP?

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

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

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



## THE CFP PROCESS

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

1. **Timetable, Goals and Objectives.** At the onset of the budgeting process the CFP update begins with formal budget planning discussions between the City Manager, department heads, and the City Council. A timetable is set that extends through development and final adoption of the budget, and a review is conducted re-establishing City goals and objectives through the next budget cycle.
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.** In conjunction with the City staff monitoring inventory and developing proposals, the public is invited to participate and submit capital improvement ideas. The public can participate through formal membership in one of the City's many committees or simply by attending a council meeting, or public hearing regarding the CFP/TIP.
4. **Conducting a Financial Analysis.** Staff conducts a financial analysis to examine historic and projected revenues and expenditures and to estimate the City's cash flow and long-term financial condition. Present and future capital financing alternatives are identified and recommendations are prepared to match the type of funding most appropriate for the specific kinds of capital improvements.
5. **Advisory Committee Evaluation of Proposals.** The list of proposals and financial analysis are submitted to the appropriate advisory committee for evaluation. The committees are comprised of the City Staff, City Council, citizens and the City Manager. 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 and Public Review / Adoption.** The City Council provides opportunity for public review and comment. Following incorporation of any changes the City Council formally adopts the plan.

## CITIZEN INVOLVEMENT IN THE CFP/TIP PROCESS

The CFP process is an important public communication medium. It provides residents and businesses a clear and concrete view of the City's long term direction for capital improvements, and a better understanding of the City's ongoing need for stable revenue sources in order to fund large or multi-year capital projects.



## 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.

## WHAT IS INCLUDED IN THE CITY OF PORT ANGELES CFP/TIP?

As mentioned previously the City of Port Angeles CFP includes:

- Capital projects and large single purchase items.
- Multi-year capital projects.
- One time maintenance costs.
- Projects of large dollar amounts that occur after the 6 year period that currently do not have a funding source or are not planned within the 6 year CFP window.

The City includes ongoing maintenance costs in order to keep sight of those expenses when finalizing its long-range financial plan.



# THE CALENDAR OF SIGNIFICANT EVENTS

	RESIDENTS	ADMINISTRATIVE STAFF	CITY MANAGER & CITY COUNCIL
<b>Through out the Year</b>	<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
<b>February</b>		Staff enter and update project information, adding new products	
		<b>ENTER</b>	
<b>March</b>		Projects reviewed by staff and forwarded to Management	Council priority setting process based on input from the community and staff
		<b>PRIORITIZE</b>	
<b>April</b>		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>	
<b>May</b>	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>	
<b>June</b>		Transportation Improvement Plan filed with the State	Close public hearings and pass resolution on CFP/TIP
		<b>PRIORITIZATION OF CAPITAL SPENDING</b>	
<b>July</b>	Community wide input	Budgeting for next year begins	
		<b>BUDGET APPROVED</b>	
<b>August through December</b>	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



# 2019 CALENDAR OF EVENTS

<b>Capital Facilities Plan Timeline Kickoff</b> Roles and responsibilities Review coordination with next year Operating Plan Kickoff with Senior Management	<b>January 16th</b>
<b>Training</b> Department training provided by Finance (as needed)	<b>January 16th to 22nd</b>
<b>Capital Facility Plan Development Management/Division Level</b> Finance provide CFP documents to Departments * Preliminary CFP placed on Shared Directory Departments prepare CFP for next 6 year period * In recommended format * Includes Comprehensive Plan Objectives met * Includes Descriptions * Includes Photos * Includes Operation & Maintenance costs * Address missing items on forms from prior submissions Develop preliminary departmental priorities	<b>January 22nd to February 5th</b>
<b>Department Head review</b> * Director Level Review and approval	<b>February 5th to February 20th</b>
<b>Submission to Finance</b>	<b>February 20th</b>
<b>Compilation of CFP Document by Finance</b> Cash flows Set meetings for review with City Manager	<b>February 20th to February 28th</b>
<b>City Manager Review</b> City Manager review with Department Heads and Leadership Team • Transportation • Utilities - Electric • Utilities - Waste, Storm and Water, Solid Waste • IT • Equipment Services Include change in priority and funding availability If needed Second Round of Discussions	<b>March 1st to 30th</b>
<b>Final Revisions to CFP Document</b>	<b>April 1st to April 30th</b>
<b>Preliminary CFP/TIP document to City Council &amp; UAC</b>	<b>May 8th</b>
<b>CFP/TIP briefing to UAC</b> Presentation and discussion	<b>May 14th</b>
<b>CFP/TIP Council Worksession</b> Presentation and discussion	<b>May 21st</b>
<b>Council Presentation and Public Hearing</b> CFP 1st reading and public hearing	<b>June 4th</b>
<b>Public Hearing and Council Approval</b> CFP 2nd reading, public hearing and adoption	<b>June 18th</b>
<b>Public Works filing of TIP with State of Washington</b> Deadline for Transportation filing with Washington State	<b>June 30th</b>



## LONG TERM FINANCIAL PLAN (LTFP)

- Focus on programs for City residents and businesses.
- Preserve existing infrastructure.
- Seek one-time revenue sources to be used for one-time expenditures (capital).
- Invest in employees for retainage and quality.
- 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.

## LONG TERM FINANCIAL STRATEGY GUIDELINES

### **What should the City do in the following year's budget when the financial forecast is positive?**

- Assess the situation.
- Maintain adequate reserves.
- Use one-time revenues for one-time expenditures.
- Use recurring (fee based) revenues for recurring expenses.
- Stay faithful to City goals.
- Think carefully when considering revenue cuts.
- Think long-term.

### **What should the City do every year, whether the financial forecast is positive or negative?**

- Increase operating cost recovery.
- Pursue cost sharing and grant opportunities.

### **What should the City do in the following year's budget when the financial forecast is negative?**

- Assess the situation.
- Use reserves sparingly.
- Reduce services.
- Continue to think carefully when considering tax and utility increases.

## POLICY AND FISCAL DIRECTION

In developing the CFP, staff followed the policy and fiscal direction provided by the City Council and City Executive Staff, Comprehensive Plan, and other strategic planning sessions. This guidance includes the use of the City's Fiscal Policy, which defines the amount of debt, financing options and financial responsibility available.



As part of the City's strategic planning process, the City Council adopted a Vision Statement to guide the community towards its preferred 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 adopts projects that have a long-term, positive effect on community growth, enhances revenue growth, has a major influence over the cost of the City's operations, and that align with these strategic goals:

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

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

## PRINCIPLES OF SOUND FINANCIAL MANAGEMENT

The City of Port Angeles has a reputation for extremely sound financial management practices. This is evidenced by the City's AA rating from Standard and Poor's. The rating was maintained even during difficult economic times due to the level of reserves held in general government and utility funds. City policy increased General Fund reserve requirements from 10% to 25% of operating expenses, and utility reserves to 90 days of operations for all utilities except Electric which is at 60 days of operations.

The CFP/TIP continues to implement the City's financial policies, including:

- Investing identified reserves of general funds in capital projects.
- Maintaining a good credit rating in the financial community and assuring taxpayers that City government is financially well managed and maintained in a sound fiscal position.
- Adhering to the highest accounting and management policies as set by the Government Finance Officers' Association, the Government Accounting Standards Board, 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 and supporting documents.
- Identifying and coordination infrastructure, facility, and equipment needs in a way that maximizes the return to the community.
- Utilizing Local Improvement Districts (LIDs) as appropriate for the funding requirements.
- 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.

## DEBT LIMITATIONS

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.

### LEGAL DEBT MARGIN CALCULATION FOR FISCAL YEAR 2018

Debt Margin Calculations	
Debt Limit	\$ 137,634,733
Total Applicable to voter debt	-
Non-Voted Limit @1.5% (Councilmanic):	
General Obligation Bonds	(10,788,442)
Public Works Trust Fund Loans	(160,854)
Compensated absences	(1,463,575)
Less amounts set aside for repayment of general	998,017
<b>Legal Debt Margin</b>	<b>\$ 126,219,879</b>
2018 Assessed Valuation	
Assessed Valuation per Clallam County for 2018	\$ 1,835,129,773

Legal Debt Margin Calculation	%	Debt Used	Debt Available
Available Public Works Government (voted)	1.0%	18,351,298	18,351,298
Available for Councilmanic (non-voted)	1.5%	27,526,946	16,112,092
Available for Parks (voted)	2.5%	45,878,244	45,878,244
Available for Public Works (voted)	2.5%	45,878,244	45,878,244
<b>Debit Limits</b>		<b>\$ 137,634,732</b>	<b>\$ (11,414,854) \$ 126,219,878</b>



The City has used \$11.41 million of its \$36.7 million councilmanic capacity leaving approximately \$25.3 million or 69% of non-voted debt capacity. The full amount of voted obligation bonds remain available at over \$18.4 million. The debt limitation only comes into play for general obligation debt. Revenue bonds rely on utility rates for their repayment stream. The goal of the City is to maintain the ability to provide high quality essential services in a cost effective manner. Council and staff weigh this goal against the ability to obtain the lowest possible rates. 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.

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

GOVERNMENTAL ACTIVITIES DEBT SERVICE REQUIREMENTS TO MATURITY						
Year Ending 12/31	General Obligation Bonds		Public Works Trust Fund Loans		Total	
	Principal	Interest	Principal	Interest	Principal	Interest
2019	\$ 467,575	\$ 449,167	\$ 80,427	\$ 1,609	\$ 548,002	\$ 450,776
2020	485,867	432,675	80,427	804	566,294	433,479
2021	1,482,000	383,372	-	-	1,482,000	383,372
2022	494,000	334,511	-	-	494,000	334,511
2023	515,000	317,698	-	-	515,000	317,698
2024-2028	2,134,000	1,330,608	-	-	2,134,000	1,330,608
2029-2033	2,070,000	927,075	-	-	2,070,000	927,075
2034-2038	2,565,000	433,550	-	-	2,565,000	433,550
2039	575,000	23,000	-	-	575,000	23,000
<b>TOTAL</b>	<b>\$ 10,788,442</b>	<b>\$ 4,631,655</b>	<b>\$ 160,854</b>	<b>\$ 2,413</b>	<b>\$ 10,949,296</b>	<b>\$ 4,634,068</b>

BUSINESS-TYPE ACTIVITIES DEBT SERVICE REQUIREMENTS TO MATURITY								
Year Ending 12/31	Revenue Bonds		Public Works Trust Fund Loans		Solid Waste Transfer Station Contracts Payable		Total	
	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest
2019	\$ 1,530,000	\$ 1,026,280	\$ 1,915,633	\$ 576,716	\$ 486,999	\$ 266,347	\$ 3,932,632	\$ 1,869,343
2020	1,515,000	968,280	1,941,545	545,736	517,036	236,309	3,973,581	1,750,325
2021	1,575,000	910,248	1,905,511	514,061	548,925	204,419	4,029,436	1,628,727
2022	1,635,000	849,890	1,932,834	482,297	582,782	170,563	4,150,616	1,502,750
2023	1,490,000	787,248	1,960,891	449,799	618,726	134,618	4,069,617	1,371,664
2024-2028	6,900,000	3,095,181	9,562,863	1,738,377	1,905,430	166,268	18,368,293	4,999,827
2029-2033	6,385,000	1,791,513	6,635,120	861,515	-	-	13,020,120	2,653,027
2034-2038	3,815,000	534,956	2,700,776	118,179	-	-	6,515,776	653,135
2039	570,000	24,938	-	-	-	-	570,000	24,938
<b>TOTAL</b>	<b>\$ 25,415,000</b>	<b>\$ 9,988,533</b>	<b>\$ 28,555,172</b>	<b>\$ 5,286,679</b>	<b>\$ 4,659,898</b>	<b>\$ 1,178,524</b>	<b>\$ 58,630,070</b>	<b>\$ 16,453,735</b>



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

## CATEGORIZATION OF CFP/TIP ITEMS

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

1. **General Government** – this includes improvements and acquisitions related to public safety, City Facilities, Recreation, Parks, and all projects not specifically related to any of the following classifications.
2. **Electric** – this includes providing additional infrastructure, acquisition related to urban growth areas, and providing metering and other electrical services to customers.
3. **Water** – this includes providing improved water treatment facilities, distribution lines, metering and replacement of old lines.
4. **Wastewater** - this includes providing improved wastewater treatment facilities, distribution lines, metering and replacement of old lines. Reduction of sewage into marine and streams.



5. **CSO** – includes providing sewer separation for wastewater and drainage.
6. **Solid Waste** – this includes closure and post-closure of the Landfill, maintenance of the composting facility, and improvements to the Transfer Station.
7. **Stormwater** – this includes providing stormwater drainage, improvement in collection of stormwater to prevent drainage to streams and marine, and building of mandated stormwater collection and treatment points in the City.
8. **Equipment Services** - this includes acquisitions related to vehicle purchases, and attachments to those vehicles paid by each funds equipment operation charges with reserves held for each fund for replacements.
9. **Information Technology** – this includes acquisitions related to the City’s computer technology, including hardware and software, and improvements or upgrades to the computer or communication equipment purchased through interdepartment charges.
10. **Transportation** – this includes improvement to and construction of roadways, sidewalks, trails, bridges and pedestrian byways.
11. **Closed Projects** – listing of recently closed projects.
12. **Comp Plan** – linking CFP to the Comprehensive Plan and Strategic Plan.

## RELATIONSHIP BETWEEN CFP/TIP AND OPERATING BUDGETS

The City’s governmental and utility capital projects are budgeted in separate funds. 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 personnel to manage, operate and maintain these facilities. The ability of ongoing revenue to support these costs varies significantly by the type of facility. 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.

Regular maintenance costs are affected by capital construction in a variety of ways. Additionally, if bonds or loans are utilized, the cost for borrowing funds need to be included.

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 it's detail sheet. Operating costs are considered when each project is discussed during the CFP process. Regular maintenance for these facilities are budgeted in the Facilities Division budget.

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 need to show as increases in operating costs so correct financial analysis can be achieved. Public safety projects could increase operating expenses if additional space or equipment is needed, causing an increase in utility costs and maintenance.

Information technology impacts operating budget when software and annual maintenance contracts increase for upgrades. Decreases could be seen if the new capital items reduce hours spent on a task. Economic and Community Development impacts should be neutral. Increased project spending could potentially increase the tax base, but this increase would be considered one-time and not sustainable unless the project has a component to generate additional revenue.

## BUDGETING / ACCOUNTING STRUCTURE

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

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

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





**City of Port Angeles  
Governmental Projects  
2019**

- CITYWIDE PROJECTS:**
- NICE Program
  - Alley Paving
  - Vehicles replaced
  - Restroom replacements

- a) City Pier Railing Replacement
- b) Civic Field Upgrades
- c) Lauridsen Blvd Overlay
- d) Facility Improvements
- e) Peabody Chip Seal
- f) Police
  - Pencom
  - Mobile Data Terminals
  - Computer Aided Dispatch
- g) Fire Hall
  - Defibrillators
  - Fire Hoses

**City Hall Projects**

- ❖ SCADA Server replacements
- ❖ Facility & Class Scheduling
- ❖ Internal Network Segmentation
- ❖ Facility Security Projects
- ❖ City Hall Parking Lot
- ❖ City Hall Fire Detection



**City of Port Angeles  
Utilities  
Projects 2019**

- a) Wastewater Pump Station #3
- b) Water mains
- c) Francis Street Outfall
- d) Laurel St Substation Switchgear
- e) Ranney Well Roof
- f) Reservoir Repairs
- g) Decant Facility & Landfill Flare

**CITYWIDE:**  
Electric Underground  
Neighborhood Sewers  
Pump Stations  
Sewer Separations



# GOVERNMENT PROJECTS



# GENERAL GOVERNMENT PROJECTS

CFP YEAR: 2020 - 2025  
 MANAGER: NATHAN WEST  
 CONTACT: NWEST@CITYOFPA.US  
 PHONE: 360-417-4500

## GENERAL FUND GOALS AND OBJECTIVES:

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

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ 910,200	\$ 127,200	\$ 127,000	\$ 100,000	\$ 75,000	\$ 100,000	\$ 75,000	\$ 75,000
Grants	-	21,000	25,000	28,000	-	-	-	-
Use of Capital Reserves	-	-	-	-	-	-	-	-
General Fund Reserves	210,025	398,600	526,500	373,500	174,500	175,500	150,500	151,500
Donations/Insurance	-	125,000	175,000	-	-	-	-	-
Other Funds (REET/Lodging tax)	100,000	225,000	625,000	75,000	75,000	75,000	75,000	75,000
<b>TOTAL</b>	<b>\$ 1,220,225</b>	<b>\$ 896,800</b>	<b>\$ 1,478,500</b>	<b>\$ 576,500</b>	<b>\$ 324,500</b>	<b>\$ 350,500</b>	<b>\$ 300,500</b>	<b>\$ 301,500</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	50,000	-	-	-	-	-
Construction	288,205	929,300	961,000	984,000	282,000	295,000	245,000	285,000
<b>TOTAL</b>	<b>\$ 288,205</b>	<b>\$ 929,300</b>	<b>\$ 1,011,000</b>	<b>\$ 984,000</b>	<b>\$ 282,000</b>	<b>\$ 295,000</b>	<b>\$ 245,000</b>	<b>\$ 285,000</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Communications	-	-	-	-	-	-	-	-
Depreciation	-	41,019	78,351	153,425	193,974	210,707	221,040	230,373
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 42,019</b>	<b>\$ 79,351</b>	<b>\$ 154,425</b>	<b>\$ 194,974</b>	<b>\$ 211,707</b>	<b>\$ 222,040</b>	<b>\$ 231,373</b>

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

PROJECTS COMPLETED IN 2018		ACTUAL	BUDGET
CAPGF	Sr Center Multipurpose room/stage/stairs	8,518	15,500
CAPGF	Tables/Chairs for Public use	8,809	7,500
CAPPC	Pencom Equipment	17,512	57,100
PD0116	Mobile Data Terminal replacements	49,039	50,000
FD0415	Fire Department TurnOut Gear (Revolving)	160,316	171,600
FD0118	Defibrillators (Revolving)	33,883	33,000
GG0716	Fire Department living area	45,554	50,000
PK0118	BMX Starting gate	20,000	30,000
PK0214	Erickson Playfield Camera	44,775	40,000
PK1106	City Pier Float Replacement	251,009	279,891
<b>TOTAL COMPLETED PROJECTS</b>		<b>639,415</b>	<b>719,091</b>

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

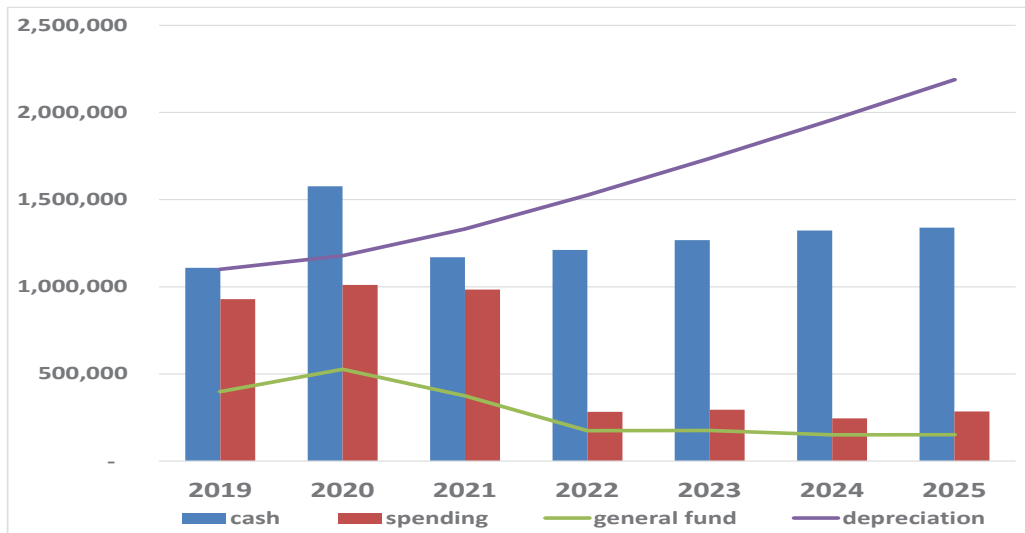


# GENERAL GOVERNMENT PROJECT LIST & CASH FLOW

GENERAL GOVERNMENT CAPITAL PROJECTS					CAPITAL FACILITIES PLAN					
Number	Title	PRIORITY	PROJECT TOTAL	BUDGET 2019	2020	2021	2022	2023	2024	2025
<b>GENERAL GOVERNMENT/FACILITIES</b>										
GG0303	NICE Program	R	732,100	100,000	100,000	100,000	100,000	100,000	100,000	100,000
GG1113	Facility Security Projects - City Hall Cameras	2	184,268	60,000	31,000	75,000	-	-	-	-
GG0416	City Hall Fire Detection System	3	75,000	75,000	-	-	-	-	-	-
GG0516	Senior Center Fire Detection System	4	50,000	-	50,000	-	-	-	-	-
GG0418	City Entrance Monuments	UF	125,000	-	-	-	-	-	-	-
GG0916	Valley Creek Restoration Phase III	UF	2,110,940	-	-	-	-	-	-	-
GG0119	Ennis Creek Fish Barrier Removal	UF	950,000	-	-	-	-	-	-	-
GG0319	Peabody Creek Daylight	UF	-	-	-	-	-	-	-	-
<b>PUBLIC SAFETY</b>										
CAPPC	Pencom Capital	R	555,475	53,300	50,000	50,000	50,000	50,000	50,000	50,000
PD0116	Mobile Data Terminal Replacements	A	140,467	21,000	25,000	28,000	-	-	-	-
PD0119	Computer Aided Dispatch/Law Enforcement Records Management System	1	300,000	50,000	250,000	-	-	-	-	-
FD0415	Fire Department Turn-Out Gear	R	160,316	-	-	-	-	-	-	-
FD0615	Fire Hoses	R	40,643	5,000	5,000	5,000	5,000	5,000	5,000	5,000
FD0118	Defibrillator Revolving Account	R	216,883	35,000	35,000	36,000	37,000	-	-	40,000
FD0218	Self Contained Breathing Apparatus	R	-	-	-	-	-	-	-	-
FD0318	Emergency Management Pods	6	150,000	-	50,000	50,000	-	50,000	-	-
FD0315	Fire Station Garage Door Replacement	7	50,000	-	50,000	-	-	-	-	-
GG0616	Fire Hall HVAC	UF	-	-	-	-	-	-	-	-
PD0307	Police Regional Training Facility	UF	80,000	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-
FD0119	West Side Fire Station	UF	2,125,000	-	-	-	-	-	-	-
FD0219	Emergency Operations Center	UF	-	-	-	-	-	-	-	-
<b>PARKS AND RECREATION</b>										
PK0216	Facility Improvement Revolving Fund	R	105,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
PK0205	Restroom Replacement Program	R	525,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000
PK0418	Civic Field Upgrades	A	98,676	75,000	-	-	-	-	-	-
PK0219	Generation II Dream Playground	8	425,000	200,000	225,000	-	-	-	-	-
PK0819	City Pier Railing Replacement	9	165,000	165,000	-	-	-	-	-	-
PK0619	Downtown Tree Replacement Phase III	10	100,000	-	-	100,000	-	-	-	-
PK0719	Parks Maintenance Building	11	500,000	-	50,000	450,000	-	-	-	-
PK0119	Erickson Playfield Pump Track	UF	100,000	-	-	-	-	-	-	-
PK0802	Neighborhood Park Development	UF	500,000	-	-	-	-	-	-	-
PK0406	Shane & Elks Field Lighting	UF	500,000	-	-	-	-	-	-	-
PK0316	Locomotive #4 Refurbishment	UF	50,000	-	-	-	-	-	-	-
PK0218	Lincoln Park Parking Lot Paving	UF	50,000	-	-	-	-	-	-	-
PK0318	Waterfront Trail Rip-Rap Repair	UF	6,700,000	-	-	-	-	-	-	-
PK0319	City Pier Inspection Repairs	UF	835,000	-	-	-	-	-	-	-
PK0419	Waterfront Trail Culvert Installation	UF	-	-	-	-	-	-	-	-
PK0519	City Pier Hillside Stabilization (Peabody Creek)	UF	-	-	-	-	-	-	-	-
<b>Total</b>			<b>18,944,768</b>	<b>929,300</b>	<b>1,011,000</b>	<b>984,000</b>	<b>282,000</b>	<b>295,000</b>	<b>245,000</b>	<b>285,000</b>



# GENERAL GOVERNMENT CASH FLOW



CASH FLOW ANALYSIS	2019	2020	2021	2022	2023	2024	2025
Beginning balance	1,141,662	1,109,162	1,576,662	1,169,162	1,211,662	1,267,162	1,322,662
<b>Funding sources:</b>							
Utilities	127,200	127,000	100,000	75,000	100,000	75,000	75,000
Grants	21,000	25,000	28,000	-	-	-	-
AR less AP (for cash flow)	-	-	-	-	-	-	-
General Fund Funding	398,600	526,500	373,500	174,500	175,500	150,500	151,500
Donations	125,000	175,000	-	-	-	-	-
Other Funds	225,000	625,000	75,000	75,000	75,000	75,000	75,000
<b>Spending:</b>							
Capital Investment	(929,300)	(1,011,000)	(984,000)	(282,000)	(295,000)	(245,000)	(285,000)
<b>Ending Cash Balance</b>	<b>1,109,162</b>	<b>1,576,662</b>	<b>1,169,162</b>	<b>1,211,662</b>	<b>1,267,162</b>	<b>1,322,662</b>	<b>1,339,162</b>

Reserved for:	2019	2020	2021	2022	2023	2024	2025
NICE program	601,684	601,684	601,684	601,684	601,684	601,684	601,684
PRD	-	-	-	-	-	-	-
Fire Safety items	54,357	96,857	139,357	181,857	237,357	292,857	309,357
Facility Replacement	43,000	43,000	43,000	43,000	43,000	43,000	43,000
Restroom Replacement	90,000	90,000	90,000	90,000	90,000	90,000	90,000
<b>Total Management reserves</b>	<b>789,041</b>	<b>831,541</b>	<b>874,041</b>	<b>916,541</b>	<b>972,041</b>	<b>1,027,541</b>	<b>1,044,041</b>
<b>NET Available Cash balance</b>	<b>320,121</b>	<b>787,621</b>	<b>337,621</b>	<b>337,621</b>	<b>350,621</b>	<b>350,621</b>	<b>311,621</b>

<b>Projected Depreciation</b>	<b>1,100,340</b>	<b>1,178,691</b>	<b>1,332,116</b>	<b>1,526,090</b>	<b>1,736,797</b>	<b>1,957,837</b>	<b>2,188,210</b>
<b>Cash to depreciation ratio</b>	<b>1.01</b>	<b>1.34</b>	<b>0.88</b>	<b>0.79</b>	<b>0.73</b>	<b>0.68</b>	<b>0.61</b>

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



PROJECT STATUS: REVOLVING  
 LATITUDE / LONGITUDE: 48.114363, -123.432072  
 PROJECT MANAGER: ALLYSON BREKKE

**Maintenance Cost Descriptions:**  
 These funds are transferred to other funds/ divisions for viable projects which enhance economic development within the City. Estimated life 30 years.

**ABOUT THE PROJECT:**

Infrastructure improvements to electric, water, wastewater and streets for stimulating economic development. Cost is estimated to be \$100,000. This is a revolving program, if a specific economic development need is not addressed each year the fund will accumulate for future projects.

**JUSTIFICATION:**

To stimulate economic development in outlying residential areas, and proposed to extend utilities and street infrastructure in targeted areas. Costs to be recovered by connection charges, LID, and/or late comer agreements, plus increased tax revenues.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	825,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	125,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 950,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	32,100	100,000	100,000	100,000	100,000	100,000	100,000	100,000
<b>TOTAL</b>	<b>\$ 32,100</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>	<b>\$ 100,000</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	1,070	4,403	7,736	11,069	14,402	17,735	21,068
Other - Transfers match	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 1,070</b>	<b>\$ 4,403</b>	<b>\$ 7,736</b>	<b>\$ 11,069</b>	<b>\$ 14,402</b>	<b>\$ 17,735</b>	<b>\$ 21,068</b>

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



# FACILITY SECURITY PROJECTS CITY HALL CAMERAS

GG1113

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.114363, -123.432072  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 20 years

## ABOUT THE PROJECT:

Installation of a turn-key proximity access control system allowing for a more secure work environment. The City Hall camera system is outdated and is in need of replacing so we can continue to monitor and protect our infrastructure. The new camera system will give us the ability to be hooked up to the new security system, enabling PAPD and Pencom monitoring of City Hall. This camera replacement will complete the upgrades. Estimated cost of camera replacement is \$75,000.

## JUSTIFICATION:

The current lock/key access control system is insecure. Utilizing proximity cards and readers for primary buildings and facilities will allow levels of access to be assigned, and provide audit information on building and door entry. Removes the issues of lost keys or unauthorized entry by non-employees as well as immediate deactivation upon termination, or a security incident. Additionally, specified cards will be compatible with the new payroll time-tracking system that was implemented in 2015. The existing camera system at City Hall is between 15-20 years old, is in need of replacement and is part of a systematic replacement plan.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities Reserves	\$ 52,200	\$ 52,200	\$ 27,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	7,800	7,800	4,000	75,000	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 60,000</b>	<b>\$ 60,000</b>	<b>\$ 31,000</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	18,268	60,000	31,000	75,000	-	-	-	-
<b>TOTAL</b>	<b>\$ 18,268</b>	<b>\$ 60,000</b>	<b>\$ 31,000</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	913	3,913	5,463	9,213	9,213	9,213	9,213
Other - Transfers match	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 913</b>	<b>\$ 3,913</b>	<b>\$ 5,463</b>	<b>\$ 9,213</b>	<b>\$ 9,213</b>	<b>\$ 9,213</b>	<b>\$ 9,213</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.114363, -123.432072  
 PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
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 past its lifespan.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations	-	-	-	-	-	-	-	-	-
REET #2 funding	-	75,000	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	75,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	2,500	2,500	2,500	2,500	2,500	2,500
Other - Transfers match	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,500</b>	<b>\$ 2,500</b>	<b>\$ 2,500</b>	<b>\$ 2,500</b>	<b>\$ 2,500</b>	<b>\$ 2,500</b>

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



PROJECT STATUS: DESIGN  
 LATITUDE / LONGITUDE: 48.11142, -123.433369  
 PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
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 past its lifespan.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	25,000	-	25,000	-	-	-	-	-
Donations	-	-	-	-	-	-	-	-
REET #1 funding	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 25,000</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	50,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	1,667	1,667	1,667	1,667	1,667
Other - Transfers match	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>

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



# 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.

## CITY ENTRANCE MONUMENTS

GG0418

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.107713, -123.402714  
PROJECT MANAGER: ALLYSON BREKKE

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

### **ABOUT THE PROJECT:**

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

### **JUSTIFICATION:**

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



PROJECT STATUS: UNFUNDED  
 LATITUDE / LONGITUDE: 48.117574, -123.442326  
 PROJECT MANAGER: ALLYSON BREKKE

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

In 2010, the City of Port Angeles, with 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 permit application forms (JARPA, SEPA). The project is now construction ready.

The project includes fish passage improvements in the culvert and at the culvert inlet, connection with a constructed wetland (built in conjunction with the 8th Street bridge replacement project), a wider riparian zone with new vegetation, increased stream length due to the new meander, and improved geomorphology due to installation of large woody debris and rock. These changes will also result in reduced maintenance costs associated with flooding, erosion and debris removal from the culvert trash rack. In 2016, Fish Passage Barrier Removal Board staff vetted the design and confirmed that there are no total fish passage barriers downstream; specifically, an irregular section of the long culvert under Marine Drive is backwatered 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 WRIA 18. Estimated project cost \$2,110,940. 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.



# ENNIS CREEK FISH BARRIER REMOVAL

GG0119

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.107893, -123.399054  
PROJECT MANAGER: ALLYSON BREKKE

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 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. Preliminary design work has been completed and the City of Port Angeles is the underlying landowner. Worksite 2 is a surface water drop created by the City of Port Angeles sewer force main (installed in 1969) that was encased in concrete that is now exposed across the entire width of Ennis Creek. The main was taken out of service in September 2016 when the City's 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. Estimated project cost \$950,000.

## 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 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.

# PEABODY CREEK DAYLIGHT

GG0319

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.119018, -123.430885  
PROJECT MANAGER: ALLYSON BREKKE

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

## ABOUT THE PROJECT:

Explore Opportunities in daylighting City creek corridors and incorporate into the urban streetscape.

## JUSTIFICATION:

To stimulate economic development and walkability.



PROJECT STATUS: REVOLVING  
 LATITUDE / LONGITUDE: 48.114363, -123.432072  
 PROJECT MANAGER: BRIAN SMITH

<i>Maintenance Cost Descriptions:</i>
Estimated life 25 years

**ABOUT THE PROJECT:**

This project is for the purchase of various equipment that have a value exceeding \$7,500, and will therefore be capitalized. The purchases are reimbursed through the Pencom capital funds held at the county.

**JUSTIFICATION:**

Upgrading the PenCom equipment allows for operating efficiency.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	29,725	53,300	50,000	50,000	50,000	50,000	50,000	50,000
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds (REET)	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 29,725</b>	<b>\$ 53,300</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>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	180,278	53,300	50,000	50,000	50,000	50,000	50,000	50,000
<b>TOTAL</b>	<b>\$ 180,278</b>	<b>\$ 53,300</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>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	8,086	10,218	12,218	14,218	16,218	18,218	20,218
Other - Transfers match	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 8,086</b>	<b>\$ 10,218</b>	<b>\$ 12,218</b>	<b>\$ 14,218</b>	<b>\$ 16,218</b>	<b>\$ 18,218</b>	<b>\$ 20,218</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE: 48.114363, -123.432072  
 PROJECT MANAGER: BRIAN SMITH/ELIZABETH STRAIT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

Replacement of in car laptops. This project is grant funded with no match through Stonegard (FEMA).

**JUSTIFICATION:**

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

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	21,000	25,000	28,000	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds (REET)	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 21,000</b>	<b>\$ 25,000</b>	<b>\$ 28,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	21,000	25,000	28,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 21,000</b>	<b>\$ 25,000</b>	<b>\$ 28,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	2,216	2,916	3,749	4,682	4,682	4,682	4,682
Other - Transfers match	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 2,216</b>	<b>\$ 2,916</b>	<b>\$ 3,749</b>	<b>\$ 4,682</b>	<b>\$ 4,682</b>	<b>\$ 4,682</b>	<b>\$ 4,682</b>

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



# COMPUTER AIDED DISPATCH/LAW ENFORCEMENT RECORDS MANAGEMENT SYSTEM

PD0119

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.114363, -123.432072  
 PROJECT MANAGER: BRIAN SMITH

Maintenance Cost Descriptions:
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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	50,000	250,000	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds (REET)	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	50,000	250,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	42,857	42,857	42,857	42,857	42,857
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 42,857</b>	<b>\$ 42,857</b>	<b>\$ 42,857</b>	<b>\$ 42,857</b>	<b>\$ 42,857</b>

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



# FIRE DEPARTMENT TURN-OUT GEAR

FD0415

PROJECT STATUS: REVOLVING  
 LATITUDE / LONGITUDE: 48.115099, -123.436434  
 PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	17,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</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>	<b>\$ 17,500</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	20,039	20,039	20,039	20,039	20,039	20,039	20,039
Other - explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 20,039</b>	<b>\$ 20,039</b>	<b>\$ 20,039</b>	<b>\$ 20,039</b>	<b>\$ 20,039</b>	<b>\$ 20,039</b>	<b>\$ 20,039</b>

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



PROJECT STATUS: REVOLVING  
 LATITUDE / LONGITUDE: 48.115099, -123.436434  
 PROJECT MANAGER: KEN DUBUC

Maintenance Cost Descriptions:
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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</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>	<b>\$ 5,000</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	5,000	5,000	5,000	5,000	5,000	5,000	5,000
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	1,129	2,129	3,129	4,129	5,129	6,129	7,129
Other - explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 1,129</b>	<b>\$ 2,129</b>	<b>\$ 3,129</b>	<b>\$ 4,129</b>	<b>\$ 5,129</b>	<b>\$ 6,129</b>	<b>\$ 7,129</b>

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



PROJECT STATUS: REVOLVING  
 LATITUDE / LONGITUDE: 48.115099, -123.436434  
 PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Medic 1 Reserves	\$ 33,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	35,000	35,000	36,000	37,000	13,000	13,000	14,000
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 33,000</b>	<b>\$ 35,000</b>	<b>\$ 35,000</b>	<b>\$ 36,000</b>	<b>\$ 37,000</b>	<b>\$ 13,000</b>	<b>\$ 13,000</b>	<b>\$ 14,000</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	33,883	35,000	35,000	36,000	37,000	-	-	40,000
<b>TOTAL</b>	<b>\$ 33,883</b>	<b>\$ 35,000</b>	<b>\$ 35,000</b>	<b>\$ 36,000</b>	<b>\$ 37,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 40,000</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	6,777	13,777	20,777	27,977	35,377	35,377	35,377
Other - explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 6,777</b>	<b>\$ 13,777</b>	<b>\$ 20,777</b>	<b>\$ 27,977</b>	<b>\$ 35,377</b>	<b>\$ 35,377</b>	<b>\$ 35,377</b>

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



PROJECT STATUS: REVOLVING  
 LATITUDE / LONGITUDE: 48.115276, -123.436341  
 PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
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. The cost to replace all SCBA units is approximately \$250,000. It is expected that they will need to be replaced by 2026.

**JUSTIFICATION:**

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

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	25,000	25,000	25,000	25,000	25,000	25,000	25,000
Donations	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other - Transfers match	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.115099, -123.436434  
 PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ 25,000	\$ 25,000	\$ -	\$ 25,000	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	25,000	25,000	-	25,000	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	50,000	50,000	-	50,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	1,000	2,000	2,000	3,000	3,000
Other - explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 1,000</b>	<b>\$ 1,000</b>	<b>\$ 2,000</b>	<b>\$ 3,000</b>	<b>\$ 3,000</b>	<b>\$ 4,000</b>	<b>\$ 4,000</b>

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



# FIRE STATION GARAGE DOOR REPLACEMENT

FD0315

PROJECT STATUS: PRE-PLANNING  
 LATITUDE / LONGITUDE: 48.115099, -123.436434  
 PROJECT MANAGER: KEN DUBUC

Maintenance Cost Descriptions:
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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	50,000	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	50,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	1,667	1,667	1,667	1,667	1,667
Other - explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>	<b>\$ 1,667</b>

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



# PUBLIC SAFETY UNFUNDED CAPITAL PROJECTS

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

## FIRE HALL HVAC

GG0616

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.115099, -123.436434  
PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
Estimated life 15 years

### **ABOUT THE PROJECT:**

Replacement of the rooftop heat pumps for the fire station and heaters in the training room.

### **JUSTIFICATION:**

The current system is past its lifespan.



PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.114363, -123.432072  
PROJECT MANAGER: BRIAN SMITH

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

Upgrade of existing firearms training facility or the purchase of land and buildings for a new training center. This will remain unfunded until funding is determined at \$80,000.

**JUSTIFICATION:**

The current firearms training facility requires costly maintenance and upgrades the way it is currently configured. This will lower maintenance and provide a safe training environment.

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.115099, -123.436434  
PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

Build a facility for fire training. Facility would be placed upon land already owned by the City. Estimated project cost of \$80,000.

**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 CITY EOC)

FD0316

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.115099, -123.436434  
PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
Estimated life 20 years

## **ABOUT THE PROJECT:**

Upgrade the generator at the Senior Center to serve full requirements of the Emergency Operations Center backup for the City. The current generator is undersized. Estimated cost of \$150,000.

## **JUSTIFICATION:**

The EOC command center cannot function fully with the current generator.

# RADIO TRANSMITTER GENERATOR (I & 10TH STREET)

FD0416

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.12355, -123.47064  
PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
Estimated life 25 years

## **ABOUT THE PROJECT:**

Add a multiple power source emergency generator to the transmitter tower. Estimated cost of \$15,000.

## **JUSTIFICATION:**

For many years we were dependent upon the County Sheriff's radio system (OPSCAN) for our primary communications links. We had no control over OPSCAN costs and we received very little benefit, especially when it came to maintenance and repairs. We were one of a number of agencies that cut the OPSCAN cord last year. When we did that, we became much more dependent upon the transmitter at 11th and E. That transmitter has never had an emergency power backup. Unfortunately, it is not quite as simple as bringing a generator up there and plugging it in. We need an automatic power transfer that switches over to the generator and then isolates the system from the grid.

Since the generator will likely sit unused for long periods of time, we need to power it with propane. Diesel and gas fuels will spoil if they sit too long. That means we need a propane generator and a propane tank. We will also need the automatic transfer switch. All of this needs to be permitted, mounted, installed and wired.



# WEST SIDE FIRE STATION

FD0119

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: UNKNOWN  
PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

As the City expands, response time on the western edge of town suffers due to the layout and access points within the City. This will allow for the building of a Fire Station on the west side of town to improve response times. Estimated cost of \$2,125,000.

**JUSTIFICATION:**

Improved response times.

# EMERGENCY OPERATIONS CENTER

FD0219

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: UNKNOWN  
PROJECT MANAGER: KEN DUBUC

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

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

**JUSTIFICATION:**

Emergency management during a disaster is a critical operation. Current EOC 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.



PROJECT STATUS: REVOLVING  
 LATITUDE / LONGITUDE: 48.114363, -123.432072  
 PROJECT MANAGER: COREY DELIKAT

*Maintenance Cost Descriptions:*  
 This is a revolving fund used to fund future projects. Estimated life 30 years.

**ABOUT THE PROJECT:**

This project 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 \$100,000 available for planned and emergency repairs.

**JUSTIFICATION:**

If not funded, we will continue to struggle to fund and repair our infrastructure.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Donations/Insurance	-	-	-	-	-	-	-	-
REET #2 (fund 160)	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</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	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	15,000	15,000	15,000	15,000	15,000	15,000	15,000
<b>TOTAL</b>	<b>\$ -</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	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	500	1,000	1,500	2,000	2,500	3,000
Other - Transfers match	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500</b>	<b>\$ 1,000</b>	<b>\$ 1,500</b>	<b>\$ 2,000</b>	<b>\$ 2,500</b>	<b>\$ 3,000</b>

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



# RESTROOM REPLACEMENT PROGRAM

PK0205

PROJECT STATUS: REVOLVING  
 LATITUDE / LONGITUDE: 48.114363, -123.432072  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

## ABOUT THE PROJECT:

This project involves the replacement of the 40-50 year old concrete block public restrooms with prefabricated restrooms that meet ADA requirements, are easy to maintain, and withstand vandalism. The replacements will be done in the following order, Elks Playfield, Shane Park, Ediz Hook, and downtown restrooms. This allows for one restroom replacement every other year at \$150,000.

## JUSTIFICATION:

The restroom facilities listed are between 40-50 years old and are no longer adequate for their intended use. They should be brought up to building code standards. As part of the Comprehensive Park Plan, the citizen survey identified public restroom improvements as a high priority.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
REET#1	-	75,000	75,000	75,000	75,000	75,000	75,000	75,000
<b>TOTAL</b>	<b>\$ -</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	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	75,000	75,000	75,000	75,000	75,000	75,000	75,000
<b>TOTAL</b>	<b>\$ -</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	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	2,500	5,000	7,500	10,000	12,500	15,000
Other - Transfers match	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,500</b>	<b>\$ 5,000</b>	<b>\$ 7,500</b>	<b>\$ 10,000</b>	<b>\$ 12,500</b>	<b>\$ 15,000</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE: 48.1117043, -123.4189687  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

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

**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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
From Capital Reserves -GF	-	-	-	-	-	-	-	-
From PASD donations	-	-	-	-	-	-	-	-
Lodging Tax	100,000	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	23,676	75,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 23,676</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	789	3,289	3,289	3,289	3,289	3,289	3,289
Other - Transfers match	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 789</b>	<b>\$ 3,289</b>	<b>\$ 3,289</b>	<b>\$ 3,289</b>	<b>\$ 3,289</b>	<b>\$ 3,289</b>	<b>\$ 3,289</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.1117043, -123.4189687  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

The City of Port Angeles and the Dream Playground Foundation are looking to replace the Dream Playground at Erickson Playfield. This project will cost between \$400,000-\$500,000 and is scheduled to be replaced in the summer of 2020. A lodging tax grant will be applied for, in 2020 to fund the total project scope.

**JUSTIFICATION:**

The Dream Playground is approaching its lifespan and is experiencing rot in the structure. If the structure is not replaced, it will need to be removed in the near future.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	125,000	175,000	-	-	-	-	-
Other Funds	-	75,000	50,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ 225,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	200,000	225,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ 225,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	6,667	14,167	14,167	14,167	14,167	14,167
Other - Transfers match	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,667</b>	<b>\$ 14,167</b>	<b>\$ 14,167</b>	<b>\$ 14,167</b>	<b>\$ 14,167</b>	<b>\$ 14,167</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.121068, -123.427063  
 PROJECT MANAGER: COREY DELIKAT

**Maintenance Cost Descriptions:**

Estimated life 30 years

**ABOUT THE PROJECT:**

The City Pier Railing is in need of replacement.

**JUSTIFICATION:**

If these repairs are not taken care of the City Pier will continue to deteriorate.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	165,000	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 165,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	165,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 165,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	5,500	5,500	5,500	5,500	5,500	5,500
Other - Transfers match	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,500</b>	<b>\$ 5,500</b>	<b>\$ 5,500</b>	<b>\$ 5,500</b>	<b>\$ 5,500</b>	<b>\$ 5,500</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.1117043, -123.4189687  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

This project is the continuation of Phase II that was completed in the winter of 2017. There are several more city blocks in the downtown area where overgrown street trees need to be removed and replaced. Additionally, because of the overgrown trees, there are sidewalks that need to be replaced and/or repaired due to damage caused by tree roots.

**JUSTIFICATION:**

Replacement of overgrown trees and sidewalk repairs will result in safer walkways in the downtown area.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	100,000	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	100,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	3,333	3,333	3,333	3,333
Other - Transfers match	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,333</b>	<b>\$ 3,333</b>	<b>\$ 3,333</b>	<b>\$ 3,333</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.115685, -123.470069  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

During the 2018 winter wind storm, a large tree within Lincoln Park fell and landed on top of our Parks Maintenance Building. This caused the building to buckle and left it unsafe and structurally unsound. This building is where the Parks Maintenance crew works out of and is used to store equipment and supplies.

**JUSTIFICATION:**

Currently the City is waiting to receive the replacement value of the shop from our insurance company. Once that information is obtained, we can start evaluating the replacement of the building.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	500,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	50,000	-	-	-	-	-
Construction	-	-	-	450,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 450,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	1,667	16,667	16,667	16,667	16,667
Other - Transfers match	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,667</b>	<b>\$ 16,667</b>	<b>\$ 16,667</b>	<b>\$ 16,667</b>	<b>\$ 16,667</b>

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



# 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.

## ERICKSON PLAYFIELD PUMP TRACK

PK0119

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.1117043, -123.4189687  
PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

### ABOUT THE PROJECT:

An affiliation of the Lincoln Park BMX is in the planning process with the Parks & Recreation Department on the development of a pump track for both children and adults. Estimated project cost \$100,000.

### JUSTIFICATION:

Although bikes are allowed in the skate park, it is not ideal. There is currently no designated place for bike riders to ride that is open to the public.

## NEIGHBORHOOD PARK DEVELOPMENT

PK0802

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.114363, -123.432072  
PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

### ABOUT THE PROJECT:

This project will provide rehabilitation and renovation of our neighborhood parks. Improvements will include the replacement of playgrounds, fencing, facility rental upgrades, signage, parking lot repairs, restroom upgrades, landscaping and aesthetic improvements. Estimated project cost \$500,000.

### 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 with plans to remove more in the near future. Some of the neighborhood parks are "open spaces", causing them to be one dimensional, providing limited activities for children and adults.



# SHANE & ELKS FIELD LIGHTING

PK0406

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.123308239, -123.462789057  
PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**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. Expected cost \$500,000.

**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.

# LOCOMOTIVE #4 REFURBISHMENT

PK0316

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.106801, -123.439207  
PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years.

**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. Estimated project cost \$50,000.

**JUSTIFICATION:**

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



# LINCOLN PARK PARKING LOT PAVING

PK0218

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.113747, -123.479731  
PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

The Parks & Recreation Department is working with other government agencies, youth sports groups, and citizen donations to pave the Lincoln Park Parking Lot off “L” Street. Estimated cost is \$50,000.

**JUSTIFICATION:**

The heavily used parking lot at Lincoln is in poor condition and is in need of refurbishing.

# WATERFRONT TRAIL RIP-RAP REPAIR

PK0318

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: NOT AVAILABLE  
PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

Winter storms continue to deplete the shoring armor and create undermining within the Waterfront Trail (Morse Creek to City Pier). The General Fund is to pay \$100,000 towards protecting this asset, with the remaining amount unfunded at \$6.7 million.

**JUSTIFICATION:**

If repairs are not completed, sections of the trail may be lost.



PROJECT STATUS: UNFUNDED  
 LATITUDE / LONGITUDE: 48.121068, -123.427063  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

During the Transient Moorage Replacement Project, additional funds were remaining to perform a load rating and pile inspection test. From that report, several deficiencies were identified and in need of repair. Preliminary estimate is \$900,000.

**JUSTIFICATION:**

If these repairs are not taken care of, the City Pier will continue to deteriorate.

PROJECT STATUS: UNFUNDED  
 LATITUDE / LONGITUDE: NOT AVAILABLE  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years

**ABOUT THE PROJECT:**

At mile marker 3.5 along the Waterfront Trail, water continues to accumulate in the fall and winter months, making the trail unsafe and unpassable.

**JUSTIFICATION:**

Adding an additional culvert along this area will help alleviate the issue. Currently, the Engineering Division of Public Works & Utilities is working on determining the cost for the additional culvert.



PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: NOT AVAILABLE  
PROJECT MANAGER: COREY DELIKAT

*Maintenance Cost Descriptions:*

Estimated life 30 years

**ABOUT THE PROJECT:**

The east, west and south hillside of the City Pier, by outfall of Peabody Creek, is eroding at a significant pace. Additional armoring in this area is needed to secure the bank.

**JUSTIFICATION:**

If not completed, the hillsides will continue to erode causing major structural issues at the City Pier.

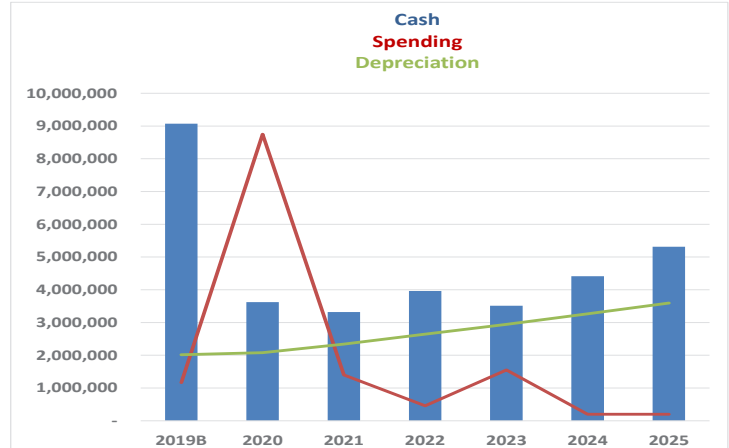


# ELECTRIC



# ELECTRIC FUND CAPITAL FACILITY PLAN

CFP YEAR: 2020 - 2025  
 MANAGER: SHAILESH SHERE  
 CONTACT: SSHERE@CITYOFPA.US  
 PHONE: 360-417-4702



## ELECTRIC FUND GOALS AND OBJECTIVES:

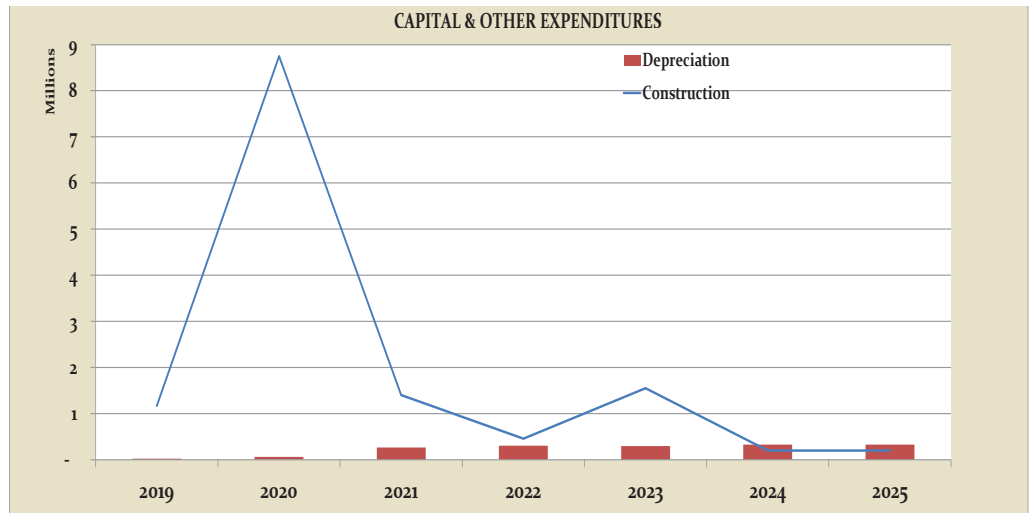
To maintain reliable and efficient substations, distribution, and transmission facilities for the electric utility, as well as provide buildings for inventory storage and personnel usage.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Electric Reserves Planned Use	\$ -	\$ 4,550,000	\$ 4,950,000	\$ 1,400,000	\$ 460,000	\$ 1,550,000	\$ 200,000	\$ 200,000
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 4,550,000</b>	<b>\$ 4,950,000</b>	<b>\$ 1,400,000</b>	<b>\$ 460,000</b>	<b>\$ 1,550,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	460,000	-	120,000	30,000	60,000	-	-
Construction	-	705,800	8,750,000	1,280,000	430,000	1,490,000	200,000	200,000
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 1,165,800</b>	<b>\$ 8,750,000</b>	<b>\$ 1,400,000</b>	<b>\$ 460,000</b>	<b>\$ 1,550,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	19,399	63,849	262,419	302,419	296,163	323,998	329,712
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 19,399</b>	<b>\$ 63,849</b>	<b>\$ 262,419</b>	<b>\$ 302,419</b>	<b>\$ 296,163</b>	<b>\$ 323,998</b>	<b>\$ 329,712</b>

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



# ELECTRIC PROJECT LIST & CASH FLOW

				CAPITAL FACILITIES PLAN						
Number	ELECTRIC PROJECTS Title	PRIORITY	PROJECT TOTAL	BUDGET 2019	2020	2021	2022	2023	2024	2025
CL0218	Leasehold Improvements	A	143,396	65,800	-	-	-	-	-	-
CL0414	Construct New Light Ops Building	A	6,400,000	400,000	6,000,000	-	-	-	-	-
CL0916	Replace Laurel Street Substation Switchgear	A	500,000	500,000	-	-	-	-	-	-
CL0219	Underground Cable Replacement - 2019	A	200,000	200,000	-	-	-	-	-	-
CL0716	F Street Substation Transformer and Switchgear	1	1,500,000	-	1,500,000	-	-	-	-	-
CL0119	Overhead Reconductoring - 2020	2	200,000	0	200,000	0	0	0	0	0
CL0319	Underground Cable Replacement - 2020	3	200,000	-	200,000	-	-	-	-	-
CL0217	I Street Substation Switchgear	4	500,000	-	-	500,000	-	-	-	-
CL0919	Replace "A" Street Substation Breaker	5	500,000	-	-	500,000	-	-	-	-
CL0419	Underground Cable Replacement - 2021	6	200,000	-	-	200,000	-	-	-	-
CL0519	Underground Cable Replacement - 2022	7	200,000	-	-	-	200,000	-	-	-
CL0117	Washington Street Substation Switchgear	8	500,000	-	-	-	-	500,000	-	-
CL0819	Overhead Reconductoring - 2023	9	200,000	-	-	-	-	200,000	-	-
CL0619	Underground Cable Replacement - 2023	10	200,000	-	-	-	-	200,000	-	-
CL0719	Underground Cable Replacement - 2024	11	200,000	-	-	-	-	-	200,000	-
CL0216	City/PUD Service Area Capital Needs	12	400,000	-	200,000	200,000	-	-	-	-
CL0202	Feeder Tie Hwy 101, Porter to Golf Course Road	13	260,000	-	-	-	260,000	-	-	-
CL0313	Pole Replacement Program	14	1,300,000	-	650,000	-	-	650,000	-	-
CL1019	Underground Cable Replacement - 2025	15	200,000	-	-	-	-	-	-	200,000
CL0816	College Street Substation Switchgear	UF	500,000	-	-	-	-	-	-	-
<b>Total</b>			<b>14,303,396</b>	<b>1,165,800</b>	<b>8,750,000</b>	<b>1,400,000</b>	<b>460,000</b>	<b>1,550,000</b>	<b>200,000</b>	<b>200,000</b>

CASH FLOW ANALYSIS	2019B	2020	2021	2022	2023	2024	2025
Beginning Cash Balance	5,587,920	9,072,120	3,622,120	3,322,120	3,962,120	3,512,120	4,412,120
<b>Funding sources:</b>							
Electric Rates Transfer	800,000	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000
For building from Reserves	3,850,000	2,200,000	-	-	-	-	-
Adjustments for cash timing							
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>Spending:</b>							
Project cost	(1,165,800)	(8,750,000)	(1,400,000)	(460,000)	(1,550,000)	(200,000)	(200,000)
<b>Ending Cash Balance</b>	<b>9,072,120</b>	<b>3,622,120</b>	<b>3,322,120</b>	<b>3,962,120</b>	<b>3,512,120</b>	<b>4,412,120</b>	<b>5,312,120</b>

<b>Depreciation</b>	<b>2,016,869</b>	<b>2,080,718</b>	<b>2,343,137</b>	<b>2,645,556</b>	<b>2,941,719</b>	<b>3,265,717</b>	<b>3,595,429</b>
<b>Depreciation to Cash Ratio</b>	<b>4.50</b>	<b>1.74</b>	<b>1.42</b>	<b>1.50</b>	<b>1.19</b>	<b>1.35</b>	<b>1.48</b>

The electric capital transfer is built into the COSA for the Electric Utility. Electric reserves included a transfer in 2018 of funds held for the design of a new Light Operations building from the sale of the old warehouse in the amount of \$350,000. Cash reserves will be used in 2019 to fund the construction of the new building. This transfer is estimated at \$3.85 Million.

PROJECTS COMPLETED IN 2018		Actual	Budget
CL0616	Overhead Reconductoring	157,093	200,000
CL0316	Underground Cable	199,348	204,000
CL0218	Leasehold Improvements	77,596	150,000
<b>TOTAL COMPLETED PROJECTS</b>		<b>356,441</b>	<b>404,000</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE: 48.10367423, -123.48584378  
 PROJECT MANAGER: SHAILESH SHERE

Maintenance Cost Descriptions:
Estimated life 4 years.

**ABOUT THE PROJECT:**

Leasehold Improvements and security upgrades to move the Light Operations inventory and vehicle storage to Highway 101 west formally known as Atlas Trucking. Add fencing, move materials, purchase shelving, and improve offices and communications. Phone, internet, and intranet are being addressed by Information Technologies project #IT0418.

**JUSTIFICATION:**

In 2018, the City moved out of it's previous location at the request of the Port of Port Angeles so the neighboring company could expand into the space occupied by the City.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Electric Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	\$ 65,800	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 65,800</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	19,399	35,849	35,849	35,849	16,450	-	-
Other -explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 19,399</b>	<b>\$ 35,849</b>	<b>\$ 35,849</b>	<b>\$ 35,849</b>	<b>\$ 16,450</b>	<b>\$ -</b>	<b>\$ -</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE: 48.11169477, -123.4606336  
 PROJECT MANAGER: SHAILESH SHERE

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

Design will be completed in 2019. 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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Electric Reserves	\$ -	\$ 3,850,000	\$ 2,200,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 3,850,000</b>	<b>\$ 2,200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	400,000	-	-	-	-	-	-
Construction	-	-	6,000,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 400,000</b>	<b>\$ 6,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	8,000	128,000	128,000	128,000	128,000	128,000
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 8,000</b>	<b>\$ 128,000</b>	<b>\$ 128,000</b>	<b>\$ 128,000</b>	<b>\$ 128,000</b>	<b>\$ 128,000</b>

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



# REPLACE LAUREL STREET SUBSTATION SWITCHGEAR

CL0916

PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE: 48.10753, -123.443652  
 PROJECT MANAGER: SHAILESH SHERE



**Maintenance Cost Descriptions:**

Estimated life 35 years

**ABOUT THE PROJECT:**

Replace the Laurel Street substation switchgear.

**JUSTIFICATION:**

The current switchgear is past the end of its usable life and has shown multiple signs of imminent failure.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Electric Reserves	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	60,000	-	-	-	-	-	-
Construction	-	440,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	14,286	14,286	14,286	14,286	14,286	14,286
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 14,286</b>	<b>\$ 14,286</b>	<b>\$ 14,286</b>	<b>\$ 14,286</b>	<b>\$ 14,286</b>	<b>\$ 14,286</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE: 48.11169477, -123.4606336  
 PROJECT MANAGER: SHAILESH SHERE

<i>Maintenance Cost Descriptions:</i>
Estimated life 35 years

**ABOUT THE PROJECT:**

Replace 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 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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Electric Reserves	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	200,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	5,714	5,714	5,714	5,714	5,714	5,714
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,714</b>	<b>\$ 5,714</b>	<b>\$ 5,714</b>	<b>\$ 5,714</b>	<b>\$ 5,714</b>	<b>\$ 5,714</b>

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



# F STREET SUBSTATION TRANSFORMER AND SWITCHGEAR

CL0716

PROJECT STATUS: PRE-PLANNING  
 LATITUDE / LONGITUDE: 48.115685, -123.469807  
 PROJECT MANAGER: SHAILESH SHERE

Maintenance Cost Descriptions:
Estimated life 35 years

**ABOUT THE PROJECT:**

Replace F Street substation transformer and switchgear.

**JUSTIFICATION:**

The current transformer is near the end of its usable life. Aging and substantial fault impacts continue to affect performance. The substation switchgear is at the end of its usable life and replacing both transformer and switchgear will ensure a seamless design for the substation.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Electric Reserves	\$ -	\$ -	\$ 1,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	1,500,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	42,857	42,857	42,857	42,857	42,857
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 42,857</b>	<b>\$ 42,857</b>	<b>\$ 42,857</b>	<b>\$ 42,857</b>	<b>\$ 42,857</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.11169477, -123.4606336  
 PROJECT MANAGER: SHAILESH SHERE



<i>Maintenance Cost Descriptions:</i>
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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Electric Reserves	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	200,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	5,714	5,714	5,714	5,714	5,714
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,714</b>	<b>\$ 5,714</b>	<b>\$ 5,714</b>	<b>\$ 5,714</b>	<b>\$ 5,714</b>

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



# UNDERGROUND CABLE REPLACEMENT - 2020 CL0319

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.1169477, -123.4606336  
 PROJECT MANAGER: SHAILESH SHERE

<i>Maintenance Cost Descriptions:</i>
Estimated life 35 years

**ABOUT THE PROJECT:**

Replace 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 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Electric Reserves	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	200,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	5,714	5,714	5,714	5,714	5,714
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,714</b>	<b>\$ 5,714</b>	<b>\$ 5,714</b>	<b>\$ 5,714</b>	<b>\$ 5,714</b>

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



# I STREET SUBSTATION SWITCHGEAR

CL0217

PROJECT STATUS: PRE-PLANNING  
 LATITUDE / LONGITUDE: 48.125778, -123.468039  
 PROJECT MANAGER: SHAILESH SHERE

<i>Maintenance Cost Descriptions:</i>
Estimated life 35 years

**ABOUT THE PROJECT:**

Replace I Street Substation switchgear.

**JUSTIFICATION:**

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

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities Reserves	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	60,000	-	-	-	-
Construction	-	-	-	440,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	14,286	14,286	14,286	14,286
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 14,286</b>	<b>\$ 14,286</b>	<b>\$ 14,286</b>	<b>\$ 14,286</b>

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



PROJECT STATUS: PRE-PLANNING  
 LATITUDE / LONGITUDE: 48.112151, -123.459300  
 PROJECT MANAGER: SHAILESH SHERE

<i>Maintenance Cost Descriptions:</i>
Estimated life 35 years

**ABOUT THE PROJECT:**

Replace the "A" Street substation switchgear.

**JUSTIFICATION:**

The current switchgear is past the end of its usable life and has shown multiple signs of imminent failure.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Electric Reserves	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	60,000	-	-	-	-
Construction	-	-	-	440,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	14,286	14,286	14,286	14,286
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 14,286</b>	<b>\$ 14,286</b>	<b>\$ 14,286</b>	<b>\$ 14,286</b>

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



PROJECT STATUS: PRE-PLANNING  
 LATITUDE / LONGITUDE: 48.11169477, -123.4606336  
 PROJECT MANAGER: SHAILESH SHERE

<i>Maintenance Cost Descriptions:</i>
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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Electric Reserves	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	200,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	5,714	5,714	5,714	5,714
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,714</b>	<b>\$ 5,714</b>	<b>\$ 5,714</b>	<b>\$ 5,714</b>

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



PROJECT STATUS: PRE-PLANNING  
 LATITUDE / LONGITUDE: 48.11169477, -123.4606336  
 PROJECT MANAGER: SHAILESH SHERE

<i>Maintenance Cost Descriptions:</i>
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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Electric Reserves	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	-	200,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	5,714	5,714	5,714
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,714</b>	<b>\$ 5,714</b>	<b>\$ 5,714</b>

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



# WASHINGTON STREET SUBSTATION SWITCHGEAR CL0117

PROJECT STATUS: DESIGN  
 LATITUDE / LONGITUDE: 48.111139, -123.418494  
 PROJECT MANAGER: SHAILESH SHERE

<i>Maintenance Cost Descriptions:</i>
Estimated life 35 years

**ABOUT THE PROJECT:**

Replace Washington St substation switchgear.

**JUSTIFICATION:**

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

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Electric Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	60,000	-	-
Construction	-	-	-	-	-	440,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	14,286	14,286
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 14,286</b>	<b>\$ 14,286</b>

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



PROJECT STATUS: PRE-PLANNING  
 LATITUDE / LONGITUDE: 48.11169477, -123.4606336  
 PROJECT MANAGER: SHAILESH SHERE

<i>Maintenance Cost Descriptions:</i>
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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Electric Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	200,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	5,714	5,714
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,714</b>	<b>\$ 5,714</b>

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



PROJECT STATUS: PRE-PLANNING  
 LATITUDE / LONGITUDE: 48.11169477, -123.4606336  
 PROJECT MANAGER: SHAILESH SHERE

<i>Maintenance Cost Descriptions:</i>
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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Electric Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	200,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	5,714	5,714
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,714</b>	<b>\$ 5,714</b>

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



# UNDERGROUND CABLE REPLACEMENT - 2024 CL0719

PROJECT STATUS: PRE-PLANNING  
 LATITUDE / LONGITUDE: 48.11169477, -123.4606336  
 PROJECT MANAGER: SHAILESH SHERE

<i>Maintenance Cost Descriptions:</i>
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 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Electric Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	200,000	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	5,714
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,714</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.114363, -123.43207  
 PROJECT MANAGER: SHAILESH SHERE



<i>Maintenance Cost Descriptions:</i>
Estimated life 35 years

**ABOUT THE PROJECT:**  
 Defining City electric utility limits, transfer of 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.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Electric Reserves	\$ -	\$ -	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	200,000	200,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	5,714	11,428	11,428	11,428	11,428
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,714</b>	<b>\$ 11,428</b>	<b>\$ 11,428</b>	<b>\$ 11,428</b>	<b>\$ 11,428</b>

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



# FEEDER TIE HWY 101, PORTER TO GOLF COURSE ROAD

CL0202

PROJECT STATUS: PRE-PLANNING  
 LATITUDE / LONGITUDE: 48.097707, -123.409825  
 PROJECT MANAGER: SHAILESH SHERE

Maintenance Cost Descriptions:
Estimated life 35 years

### ABOUT THE PROJECT:

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

### JUSTIFICATION:

To provide contingency power for the area mentioned, should the substation fail.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Electric Reserves	\$ -	\$ -	\$ -	\$ -	\$ 260,000	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 260,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	30,000	-	-	-
Construction	-	-	-	-	230,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 260,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	7,429	7,429	7,429
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,429</b>	<b>\$ 7,429</b>	<b>\$ 7,429</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.11169477, -123.4606336  
 PROJECT MANAGER: SHAILESH SHERE



Maintenance Cost Descriptions:
Estimated life 35 years

**ABOUT THE PROJECT:**  
 Replace 600 wood poles on the City’s electric distribution system every three years. Some will be upgraded to fiberglass as needed.

**JUSTIFICATION:**  
 To maintain all 8,000 poles it is necessary to replace 600 poles every three years. This schedule allows the City to replace poles in an orderly manner.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Electric Reserves	\$ -	\$ -	\$ 650,000	\$ -	\$ -	\$ -	\$ 650,000	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 650,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 650,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	650,000	-	-	650,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 650,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 650,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	18,571	18,571	18,571	37,142	37,142
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 18,571</b>	<b>\$ 18,571</b>	<b>\$ 18,571</b>	<b>\$ 37,142</b>	<b>\$ 37,142</b>

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



PROJECT STATUS: PRE-PLANNING  
 LATITUDE / LONGITUDE: 48.11169477, -123.4606336  
 PROJECT MANAGER: SHAILESH SHERE

<i>Maintenance Cost Descriptions:</i>
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 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Electric Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	200,000
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other - explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



# 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.

## COLLEGE STREET SUBSTATION SWITCHGEAR

CL0816

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE:  
48.100698, -123.4175996  
PROJECT MANAGER: SHAILESH SHERE

<i>Maintenance Cost Descriptions:</i>
Estimated life 35 years

**ABOUT THE PROJECT:**

Replace College Street substation switchgear. This project is currently unfunded with an estimated cost of \$500,000.

**JUSTIFICATION:**

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



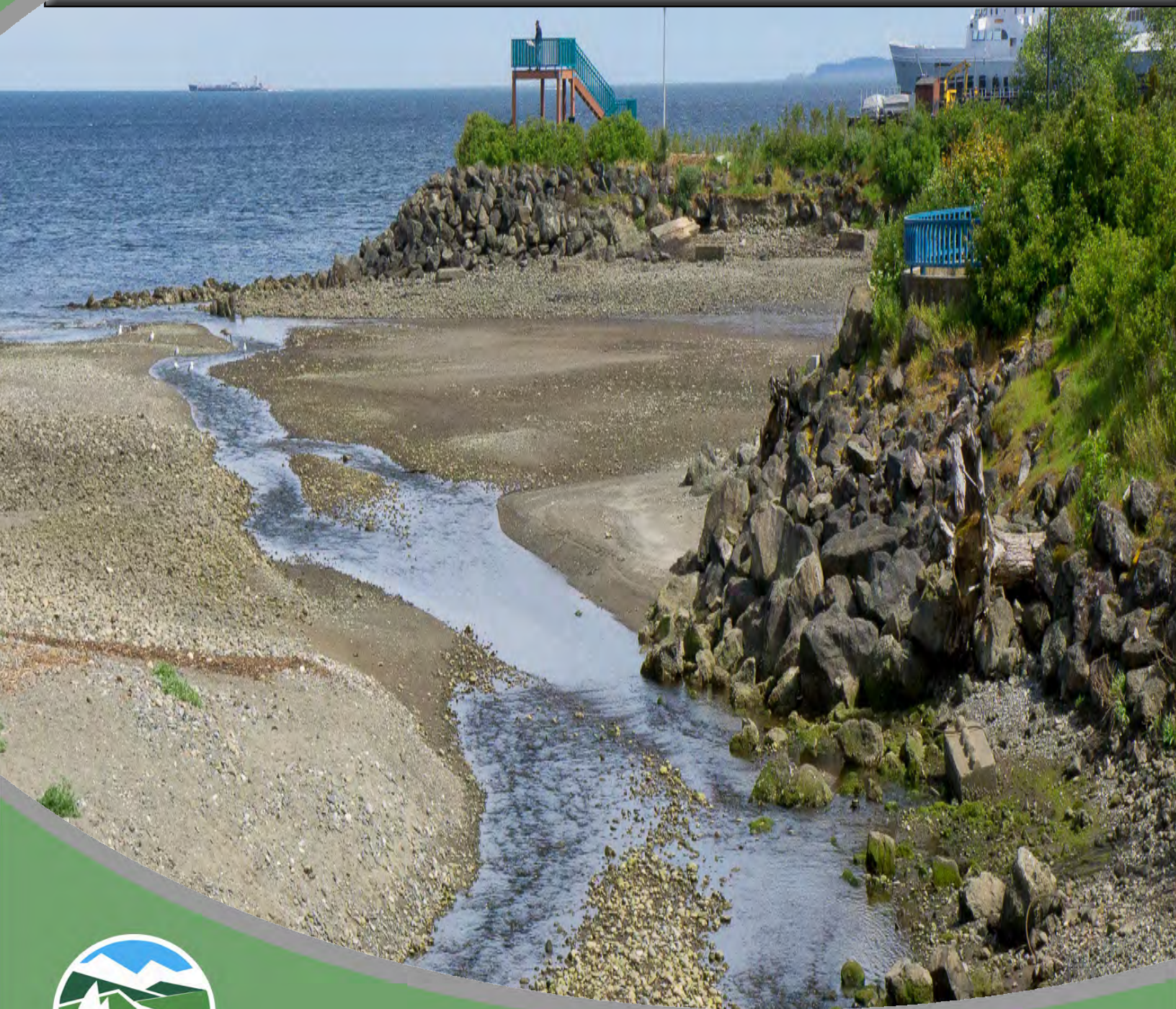
CITY OF PORT ANGELES



2020 - 2025  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN



# WATER



# WATER FUND CAPITAL FACILITY PLAN

CFP YEAR: 2020 - 2025  
 MANAGER: JONATHAN BOEHME  
 CONTACT: JBOEHME@CITYOFPA.US  
 PHONE: 360-417-4803

PROJECTS COMPLETED IN 2018		ACTUAL	Budget
CAPWT	Miscellaneous Water Capital	62,270	58,500
WT0109	E Street Reservoir - PRV Station	276,097	350,000
WT0315	24 inch transmission Main replacement	24,036	90,000
WT0618	Craig Avenue Watermain	84,500	68,110
WT0415	Whidby Ave Watermain	456,179	575,000
<b>TOTAL COMPLETED PROJECTS</b>		<b>903,082</b>	<b>1,141,610</b>

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

## WATER FUND GOALS AND OBJECTIVES:

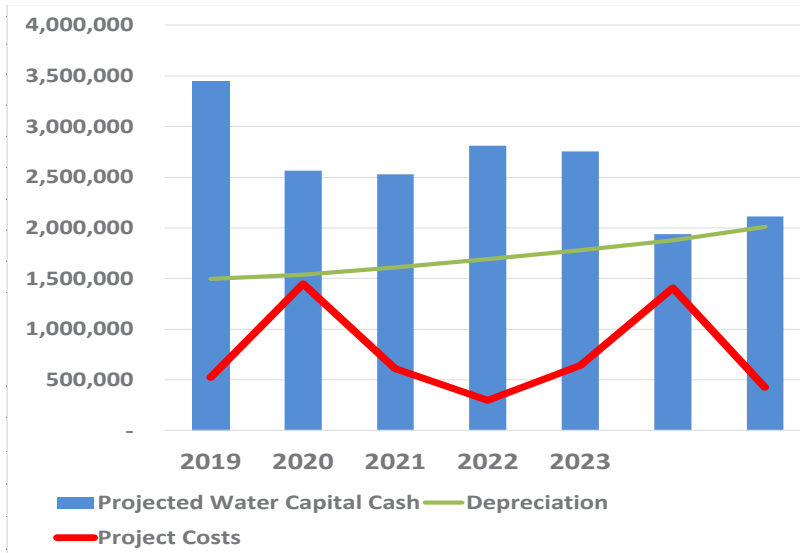
Maintain, replace and improve water infrastructure from transmission lines to meters within the City. The goal is provide clean drinking water useable for all potable purposes.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Water Capital Reserves	\$ 756,400	\$ 217,700	\$ 1,448,200	\$ 611,000	\$ 250,000	\$ 642,400	\$ 1,407,000	\$ 426,000
Grants	-	-	-	-	-	-	-	-
Bonds	30,000	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 786,400</b>	<b>\$ 217,700</b>	<b>\$ 1,448,200</b>	<b>\$ 611,000</b>	<b>\$ 250,000</b>	<b>\$ 642,400</b>	<b>\$ 1,407,000</b>	<b>\$ 426,000</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	27,609	145,000	187,200	-	48,000	202,400	170,000	176,000
Construction	351,298	376,950	1,261,000	611,000	250,000	440,000	1,237,000	250,000
<b>TOTAL</b>	<b>\$ 378,907</b>	<b>\$ 521,950</b>	<b>\$ 1,448,200</b>	<b>\$ 611,000</b>	<b>\$ 298,000</b>	<b>\$ 642,400</b>	<b>\$ 1,407,000</b>	<b>\$ 426,000</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	16,453	39,253	72,100	80,578	87,911	100,253	130,759
Other -Maint & Plans	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 16,453</b>	<b>\$ 39,253</b>	<b>\$ 72,100</b>	<b>\$ 80,578</b>	<b>\$ 87,911</b>	<b>\$ 100,253</b>	<b>\$ 130,759</b>

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



# WATER PROJECT LIST & CASH FLOW

					CAPITAL FACILITIES PLAN					
Number	WATER PROJECTS Title	PRIORITY	PROJECT TOTAL	BUDGET 2019	2020	2021	2022	2023	2024	2025
WT0118	Ranney Well Roof	A	90,333	90,000	-	-	-	-	-	-
WT0215	Marine Drive Channel Water Main Crossing Replacement	A	83,075	27,450	-	-	-	-	-	-
WT0218	Reservoir Repairs	A	175,000	175,000	-	-	-	-	-	-
WT0419	Decant Facility at Transfer Station - Water Soils Decant Bays	A	150,000	25,000	125,000	-	-	-	-	-
WT0512	East 4th Street Water Main	A	405,000	50,000	355,000	-	-	-	-	-
WT0518	10th Street Water Main (I to N)	A	319,966	40,000	-	-	-	-	-	-
WT0612	3rd & Vine Street Main	A	361,000	50,000	311,000	-	-	-	-	-
WT0319	Ground Water Test Wells	1	600,000	-	150,000	250,000	200,000	-	-	-
WT0212	East 6th Street Water Main	2	368,200	-	57,200	311,000	-	-	-	-
WT0519	Water Treatment Plant Repairs	3	170,000	-	170,000	-	-	-	-	-
WT0412	West 4th Street Water Main	4	1,239,400	-	-	-	-	202,400	1,037,000	-
WT0111	Liberty Street Water Main	5	455,609	5,000	-	-	48,000	390,000	-	-
WT0717	Race/Caroline Street Fire Flow	6	760,000	-	-	-	-	-	120,000	-
WT0219	Peabody Heights Floating Cover Replacement	7	400,000	-	-	-	-	-	200,000	200,000
WT0112	10th Street Water Main	8	1,081,000	-	-	-	-	-	-	176,000
WT0619	Peabody Reservoir Inlet Pipe Replacement	9	230,000	-	230,000	-	-	-	-	-
CAPWT	General Water Equipment	R	469,239	59,500	50,000	50,000	50,000	50,000	50,000	50,000
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	-	-	-	-	-	-	-
WT0309	Morse Creek Water Mains to Clallam PUD #1	UF	400,000	-	-	-	-	-	-	-
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>25,759,322</b>	<b>521,950</b>	<b>1,448,200</b>	<b>611,000</b>	<b>298,000</b>	<b>642,400</b>	<b>1,407,000</b>	<b>426,000</b>

CASH FLOW ANALYSIS	2019	2020	2021	2022	2023	2024	2025
Beginning Cash Balance	3,406,721	3,446,771	2,566,571	2,529,571	2,811,571	2,755,171	1,940,171
<b>Funding sources:</b>							
Water Rates	562,000	568,000	574,000	580,000	586,000	592,000	598,000
Grants	-	-	-	-	-	-	-
Bonds/Interest/Other	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>Spending:</b>							
Project Costs	(521,950)	(1,448,200)	(611,000)	(298,000)	(642,400)	(1,407,000)	(426,000)
<b>Ending Cash Balance</b>	<b>3,446,771</b>	<b>2,566,571</b>	<b>2,529,571</b>	<b>2,811,571</b>	<b>2,755,171</b>	<b>1,940,171</b>	<b>2,112,171</b>
<b>Depreciation</b>	<b>1,498,754</b>	<b>1,538,007</b>	<b>1,610,107</b>	<b>1,690,685</b>	<b>1,778,596</b>	<b>1,878,849</b>	<b>2,009,608</b>
<b>Depreciation to Cash Ratio</b>	<b>2.30</b>	<b>1.67</b>	<b>1.57</b>	<b>1.66</b>	<b>1.55</b>	<b>1.03</b>	<b>1.05</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.118042, -123.5512325  
 PROJECT MANAGER: JONATHAN BOEHME/  
 ERIC WALRATH



<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

This project will replace the roof on the Ranney Well and the Support Building.

**JUSTIFICATION:**

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

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Water Capital Reserves	\$ 80,000	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 80,000</b>	<b>\$ 10,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	333	90,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 333</b>	<b>\$ 90,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	1,807	1,807	1,807	1,807	1,807	1,807
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,807</b>	<b>\$ 1,807</b>	<b>\$ 1,807</b>	<b>\$ 1,807</b>	<b>\$ 1,807</b>	<b>\$ 1,807</b>

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



# MARINE DRIVE CHANNEL WATER MAIN CROSSING REPLACEMENT

WT0215

PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.133683229, -123.465569972  
 PROJECT MANAGER: JONATHAN BOEHME



**Maintenance Cost Descriptions:**

Estimated life 50 years

**ABOUT THE PROJECT:**

The project will replace the 8” cast iron main crossing the Marine Drive Channel near McKinley. This project will be done in coordination with the Marine Drive Bridge.

**JUSTIFICATION:**

The sheet piling supporting the channel and Marine Drive Channel Bridge are slowly failing. The water main is supported on the failing sheet pile. To prevent failure of the water main, the main will be replaced and supported independent of the channel’s sheet piling.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Water Capital Reserves	\$ 75,000	\$ 23,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	30,000	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 105,000</b>	<b>\$ 23,200</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	15,000	-	-	-	-	-	-	-
Construction	40,625	27,450	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 55,625</b>	<b>\$ 27,450</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	1,661	1,661	1,661	1,661	1,661	1,661
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,661</b>	<b>\$ 1,661</b>	<b>\$ 1,661</b>	<b>\$ 1,661</b>	<b>\$ 1,661</b>	<b>\$ 1,661</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE: 48.114363, -123.432072  
 PROJECT MANAGER: JONTHAN BOEHME

Maintenance Cost Descriptions:
Estimated life 50 years

**ABOUT THE PROJECT:**

This project will address the required repairs at the Black Diamond, Jones Street, and E Street Reservoirs. Project will improve communications.

**JUSTIFICATION:**

Inspections were performed at the Black Diamond, Jones Street, and E Street Reservoirs and deficiencies were noted. The deficiencies noted required repairs as they are potential entry points for contaminants, insects and rodents.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Water Capital Reserves	\$ 175,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 175,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	15,000	-	-	-	-	-	-
Construction	-	160,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 175,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	3,500	3,500	3,500	3,500	3,500	3,500
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,500</b>	<b>\$ 3,500</b>	<b>\$ 3,500</b>	<b>\$ 3,500</b>	<b>\$ 3,500</b>	<b>\$ 3,500</b>

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



# DECANT FACILITY AT TRANSFER STATION WATER SOILS DECANT BAYS

WT0419

PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.125827, -123.520709  
 PROJECT MANAGER: LUCIO BAACK



**Maintenance Cost Descriptions:**

Estimated life 25 years

**ABOUT THE PROJECT:**

Waters \$150,000 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 DOE in the amount of \$474,300 with a city match of 15% from the solid waste reserves in the amount \$83,700. Only the stormwater portions of the facility are grant eligible, in order to fund design & construction of water portions of the facility the utility is contributing \$150,000 to this project. \$25,000 for design in 2019 and \$125,000 for construction in 2020.

**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 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Water Capital Reserves	\$ -	\$ 25,000	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	25,000	-	-	-	-	-	-
Construction	-	-	125,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	1,000	6,000	6,000	6,000	6,000	6,000
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,000</b>	<b>\$ 6,000</b>	<b>\$ 6,000</b>	<b>\$ 6,000</b>	<b>\$ 6,000</b>	<b>\$ 6,000</b>

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



# EAST 4TH STREET WATER MAIN

WT0512

PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.107894556, -123.414874077  
 PROJECT MANAGER: JONATHAN BOEME



Maintenance Cost Descriptions:
Estimated life 50 years

### ABOUT THE PROJECT:

Replace the 3" asbestos-concrete main on 4th Street between Chambers and Ennis Streets with 6" ductile iron water main, reconnect existing service lines and sub-mains at street crossings.

### JUSTIFICATION:

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

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Water Capital Reserves	\$ -	\$ 50,000	\$ 355,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 355,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

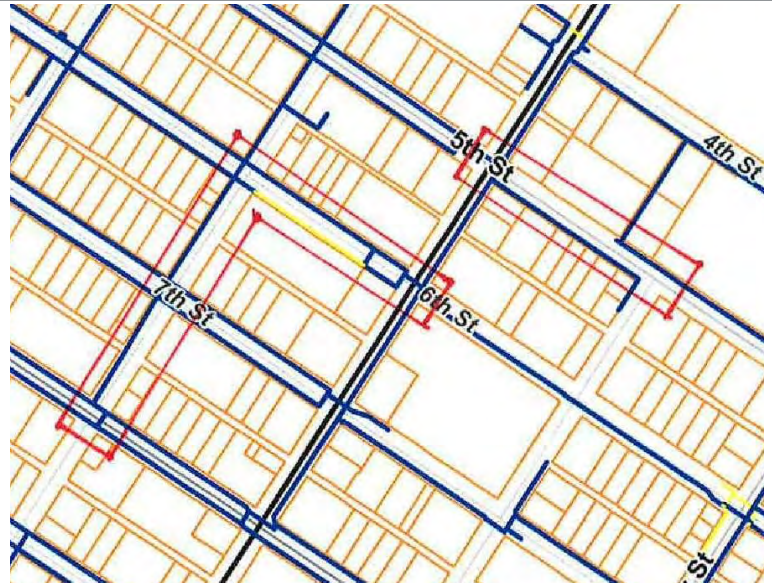
EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	50,000	-	-	-	-	-	-
Construction	-	-	355,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 355,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	1,000	8,100	8,100	8,100	8,100	8,100
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,000</b>	<b>\$ 8,100</b>	<b>\$ 8,100</b>	<b>\$ 8,100</b>	<b>\$ 8,100</b>	<b>\$ 8,100</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.126992144, -123.479491711  
 PROJECT MANAGER: JONATHAN BOEHME



<i>Maintenance Cost Descriptions:</i>
Estimated life 35 years

**ABOUT THE PROJECT:**

Replace eight water main crossings extending from the south side to the north side on 10th Street; install three new fire hydrants; and replace 3,920 feet of 8-inch and 10-inch watermains.

**JUSTIFICATION:**

This area is scheduled for road reconstruction, with the installation of sidewalks, curbing and new pavement. Replacement will prevent the need to cut the new installation when the watermains are replaced. The age of the current piping is beyond the normal age for the structures.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Water Capital Reserves	\$ 330,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 330,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	279,966	40,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 279,966</b>	<b>\$ 40,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	9,142	9,142	9,142	9,142	9,142	9,142
Other -4150 charges	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 9,142</b>	<b>\$ 9,142</b>	<b>\$ 9,142</b>	<b>\$ 9,142</b>	<b>\$ 9,142</b>	<b>\$ 9,142</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.114239002, -123.427759409  
 PROJECT MANAGER: JONATHAN BOEHME



Maintenance Cost Descriptions:
Estimated life 50 years

**ABOUT THE PROJECT:**

Install a new 6” ductile iron main on Vine Street between 1st and 3rd, and replace 2” mains on 3rd between Albert Street and Vine Street with new 6” ductile iron main. Tie into works on the northwest corner of 3rd and Vine streets, and set a new fire hydrant.

**JUSTIFICATION:**

Poor system reliability, and a hydrant for fire safety needed in the area. Several leaks in the 2” cast iron mains are causing costly repairs.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Water Capital Reserves	\$ -	\$ 50,000	\$ 311,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 311,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	50,000	-	-	-	-	-	-
Construction	-	-	311,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 311,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	1,000	7,220	7,220	7,220	7,220	7,220
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,000</b>	<b>\$ 7,220</b>	<b>\$ 7,220</b>	<b>\$ 7,220</b>	<b>\$ 7,220</b>	<b>\$ 7,220</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: VARIES  
 PROJECT MANAGER: JONATHAN BOEHME

Maintenance Cost Descriptions:
Estimated life 50 years

**ABOUT THE PROJECT:**

This project will drill test wells in two locations that were identified during a feasibility study performed by Robinson-Noble in 2016.

**JUSTIFICATION:**

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

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Water Capital Reserves	\$ -	\$ -	\$ 150,000	\$ 250,000	\$ 200,000	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ 250,000</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	50,000	-	-	-	-	-
Construction	-	-	100,000	250,000	200,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ 250,000</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	3,000	8,000	12,000	12,000	12,000
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,000</b>	<b>\$ 8,000</b>	<b>\$ 12,000</b>	<b>\$ 12,000</b>	<b>\$ 12,000</b>

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



# EAST 6TH STREET WATER MAIN

WT0212

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.112436309, -123.431975842  
 PROJECT MANAGER: JONATHAN BOEHME

Maintenance Cost Descriptions:
Estimated life 50 years

### ABOUT THE PROJECT:

Replace 3" asbestos-concrete and 2" cast iron mains with a new 6" ductile iron main, reconnect existing 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.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Water Capital Reserves	\$ -	\$ -	\$ 57,200	\$ 311,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 57,200</b>	<b>\$ 311,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	57,200	-	-	-	-	-
Construction	-	-	-	311,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 57,200</b>	<b>\$ 311,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	1,144	7,364	7,364	7,364	7,364
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,144</b>	<b>\$ 7,364</b>	<b>\$ 7,364</b>	<b>\$ 7,364</b>	<b>\$ 7,364</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.125756, -123.518261  
 PROJECT MANAGER: LUCIO BAACK

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

This project is for the purchase of various large parts that have a value of \$7,500 such as upgrades to the plants disinfection and treatment components, replacing MIOX cells with improved technology that is more cost effective. Evaluate and implement other efficiency improvements.

**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 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Water Capital Reserves	\$ -	\$ -	\$ 170,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 170,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	30,000	-	-	-	-	-
Construction	-	-	140,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 170,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	3,400	3,400	3,400	3,400	3,400
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,400</b>	<b>\$ 3,400</b>	<b>\$ 3,400</b>	<b>\$ 3,400</b>	<b>\$ 3,400</b>

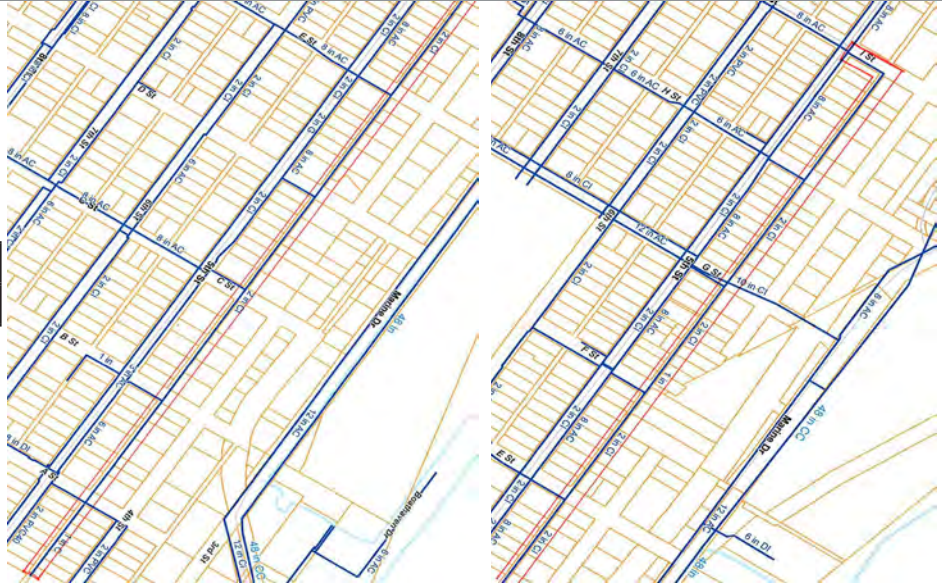
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



# WEST 4TH STREET WATER MAIN

WT0412

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.123457203, -123.454227448  
 PROJECT MANAGER:  
 JONATHAN BOEHME



**Maintenance Cost Descriptions:**  
 Estimated life 50 years

**ABOUT THE PROJECT:**  
 Replace a 2” cast iron main with 6” ductile iron main, reconnect existing 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.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 202,400	\$ 1,037,000	-
Grants	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 202,400</b>	<b>\$ 1,037,000</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	202,400	-	-
Construction	-	-	-	-	-	-	1,037,000	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 202,400</b>	<b>\$ 1,037,000</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	4,048	24,788
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,048</b>	<b>\$ 24,788</b>

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



PROJECT STATUS: DESIGN  
 LATITUDE / LONGITUDE: 48.104713, -123.415656  
 PROJECT MANAGER: JONATHAN BOEHME

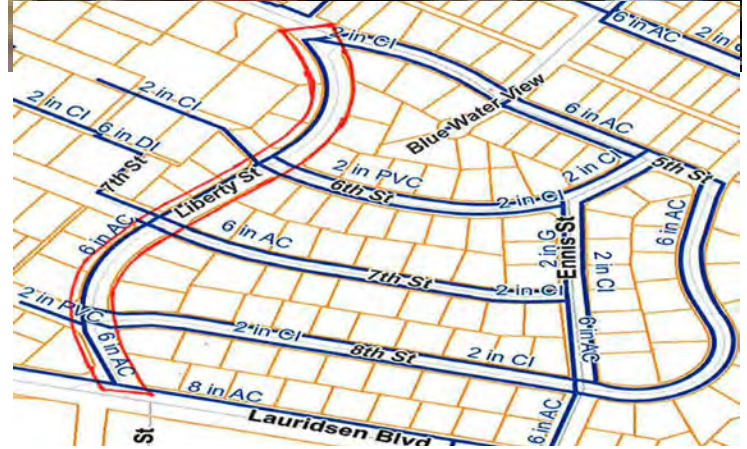
*Maintenance Cost Descriptions:*

Estimated life 50 years



**ABOUT THE PROJECT:**

Replace approximately 1,500 feet of existing 6" asbestos-concrete water main along Liberty Street, existing service lines, and sub-main street crossings between Lauridsen Boulevard and 5th Street.



**JUSTIFICATION:**

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

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Water Capital Reserves	\$ 66,000	\$ -	\$ -	\$ -	\$ -	\$ 390,000	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 66,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 390,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	12,609	5,000	-	-	48,000	-	-	-
Construction	-	-	-	-	-	390,000	-	-
<b>TOTAL</b>	<b>\$ 12,609</b>	<b>\$ 5,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 48,000</b>	<b>\$ 390,000</b>	<b>\$ -</b>	<b>\$ -</b>

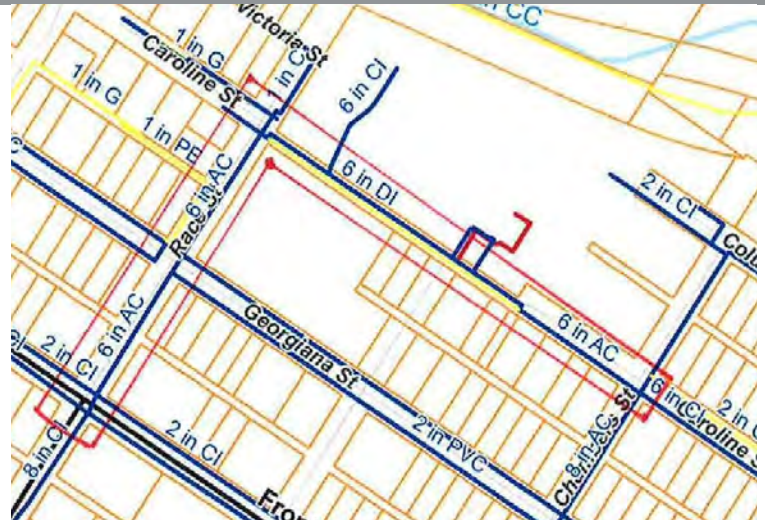
OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	9,112	9,112
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 9,112</b>	<b>\$ 9,112</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.1156, -123.4166  
 PROJECT MANAGER: JONATHAN BOEHME

<b>Maintenance Cost Descriptions:</b>
Estimated life 50 years



### ABOUT THE PROJECT:

Replace a 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. The total length of the new pipeline is approximately 1,900 feet. \$640,000 is currently unfunded for construction.

### 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.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,000	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 120,000</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	120,000	-
Construction	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 120,000</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	2,400
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,400</b>

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



# PEABODY HEIGHTS FLOATING COVER REPLACEMENT

WT0219

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.098590, -123.432657  
 PROJECT MANAGER: JONATHAN BOEHME

Maintenance Cost Descriptions:
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 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 200,000
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	50,000	-
Construction	-	-	-	-	-	-	150,000	200,000
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	8,000
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 8,000</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.1074606, -123.4314887  
 PROJECT MANAGER: JONATHAN BOEHME



Maintenance Cost Descriptions:
Estimated life 50 years

**ABOUT THE PROJECT:**  
 Replace the 2-inch cast iron mains with a 6" ductile iron main, reconnect existing service lines and sub-mains at street crossings on East 10th Street between Lincoln and Eunice Streets. Future expense (unfunded at \$905,000).

**JUSTIFICATION:**  
 Continued high repair for the cast iron pipes with poor reliability.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Water Capital Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 176,000
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 176,000</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	176,000
Construction	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 176,000</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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



# PEABODY RESERVOIR INLET PIPE REPLACEMENT WT0619

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.098590, -123.432657  
 PROJECT MANAGER: LUCIO BAACK

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

## ABOUT THE PROJECT:

The 20" cast iron force main into the Peabody Reservoir is highly corroded, and two 20" valves are in need of replacement. 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 the extent of the replacement effort. The inspection may reveal that the pipe is in decent shape regardless of its corroded appearance. Given that assessment, the scope of the project could be reduced to applying some form of a surface treatment to the pipe, and replacing of the valves and tee fitting. Construction will require bypass pumping, and may involve CIPP of slip lining the existing pipe.

## JUSTIFICATION:

Failure of the Peabody Reservoir inlet 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.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Water Capital Reserves	\$ -	\$ -	\$ 230,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 230,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	50,000	-	-	-	-	-
Construction	-	-	180,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 230,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	4,600	4,600	4,600	4,600	4,600
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,600</b>	<b>\$ 4,600</b>	<b>\$ 4,600</b>	<b>\$ 4,600</b>	<b>\$ 4,600</b>

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



# GENERAL WATER EQUIPMENT

# CAPWT

PROJECT STATUS: REVOLVING  
 LATITUDE / LONGITUDE:  
 48.125827, -123.520709  
 PROJECT MANAGER: JASON HART

**Maintenance Cost Descriptions:**

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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Water Capital Reserves	\$ 30,400	\$ 59,500	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Grants	-	-	-	-	-	-	-	-
Bonds/Loans	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 30,400</b>	<b>\$ 59,500</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	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	30,374	59,500	50,000	50,000	50,000	50,000	50,000	50,000
<b>TOTAL</b>	<b>\$ 30,374</b>	<b>\$ 59,500</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	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	16,453	20,143	22,526	19,784	23,117	22,299	21,665
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 16,453</b>	<b>\$ 20,143</b>	<b>\$ 22,526</b>	<b>\$ 19,784</b>	<b>\$ 23,117</b>	<b>\$ 22,299</b>	<b>\$ 21,665</b>

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



# 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.

## MARINE DRIVE MAIN REPLACEMENT PHASE II WT0116

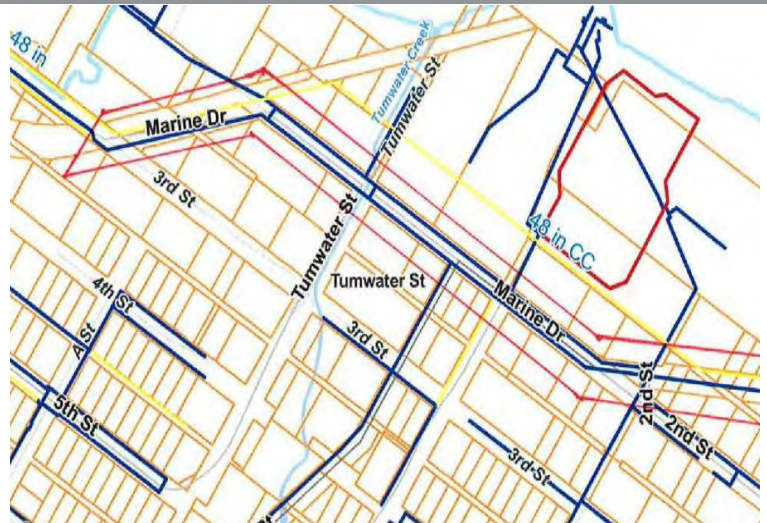
PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE:  
48.119790232, -123.440923691  
PROJECT MANAGER: JONATHAN BOEHME

*Maintenance Cost Descriptions:*

Estimated life 50 years

**ABOUT THE PROJECT:**

Replace the 12-inch cast iron and 6-inch asbestos-concrete main in Marine Drive between 3rd Street and Valley Street. Estimated project costs of \$1,500,000.



**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.



# MILL CREEK RESERVOIR EXPANSION

WT0117

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.0872, -123.4393  
PROJECT MANAGER: JONATHAN BOEHME

*Maintenance Cost Descriptions:*

Estimated life 50 years

**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. Estimated project cost \$3,400,000.



**JUSTIFICATION:**

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

# MCDUGAL PRESSURE SUBZONE

WT0119

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.0973, -123.4248  
PROJECT MANAGER: JONATHAN BOEHME

*Maintenance Cost Descriptions:*

Estimated life 50 years

**ABOUT THE PROJECT:**

Installation of 1,000 feet of 12-inch pipe, valve station, RTU from Mill Creek pumps, SCADA and telemetry. \$700,000 additional unfunded for construction.

**JUSTIFICATION:**

This area meets daily requirements for water flow, but does not meet the fire flow requirements.



# TRANSMISSION MAIN EAST OF GOLF COURSE WT0214

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE:  
48.094553521, -123.402364254  
PROJECT MANAGER: JONATHAN BOEHME

*Maintenance Cost Descriptions:*

Estimated life 50 years

**ABOUT THE PROJECT:**

Replace a portion of 20-inch concrete cylinder transmission main east of Golf Course Road near Maddock Road. Estimated project cost \$2,275,000.

**JUSTIFICATION:**

Aged concrete cylinder transmission main has numerous breaks due to its reduced integrity in high pressure events. Replacement identified as Project M2 in the 2002 Water System Plan.



# AIRPORT/EDGEWOOD DRIVE WATER MAIN EXTENSION

WT0217

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.1121, -123.4961  
PROJECT MANAGER: JONATHAN BOEHME

*Maintenance Cost Descriptions:*

Estimated life 50 years

**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. Estimated project cost \$5,000,000.

**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.



# MORSE CREEK WATER MAINS TO CLALLAM PUD #1

WT0309

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.09393, -123.36757  
PROJECT MANAGER: JONATHAN BOEHME

*Maintenance Cost Descriptions:*

Estimated life 50 years

**ABOUT THE PROJECT:**

Move approximately 50 customers from City water to PUD #1. This project involves localized improvements to hook into the PUD supply system. Areas affected are: Mt. Pleasant PUD booster station, Pierce Road booster station, extension of Brown Road, and various others. It is anticipated half the cost will be paid by Clallam PUD. Estimated project cost \$400,000.

**JUSTIFICATION:**

Continued water loss due to leaks, with the potential of high volume leaks due to current materials. PUD would pay for half of the improvements.

# TUMWATER TRUCK ROUTE COMMERCIAL AREA FIRE FLOW (LID) WT0314

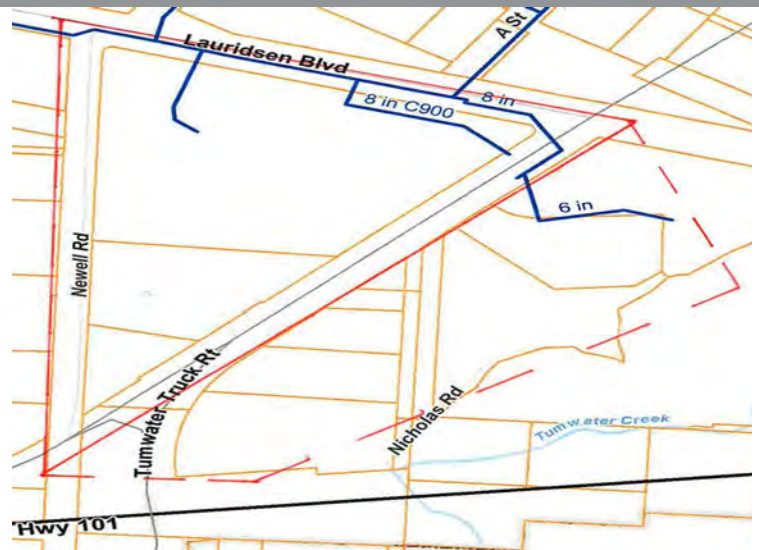
PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE:  
48.110258896, -123.461780548  
PROJECT MANAGER: JONATHAN BOEHME

*Maintenance Cost Descriptions:*

Estimated life 50 years

**ABOUT THE PROJECT:**

Install 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. Estimated project cost \$289,000.



**JUSTIFICATION:**

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



# SCRIBNER BOOSTER STATION UPGRADE

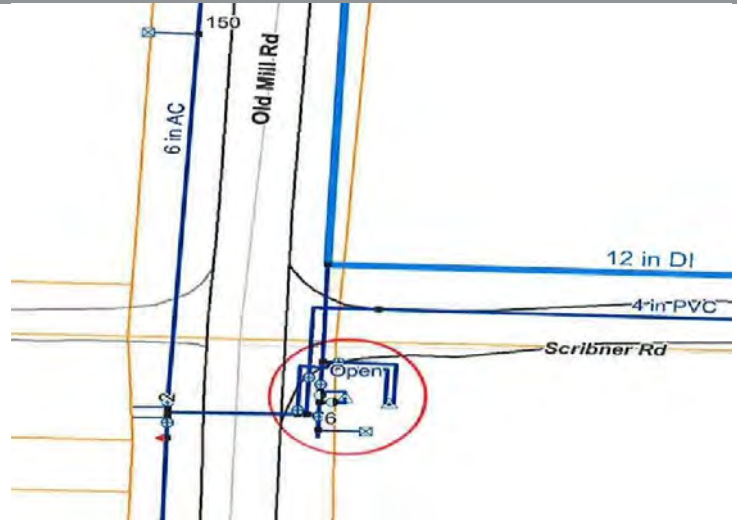
WT0317

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.0874, -123.4409  
PROJECT MANAGER: JONATHAN BOEHME

Maintenance Cost Descriptions:
Estimated life 50 years

### 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. Estimated project costs \$1,500,000.



### 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.

# VIEWCREST/LAUREL INTERTIE/PRV

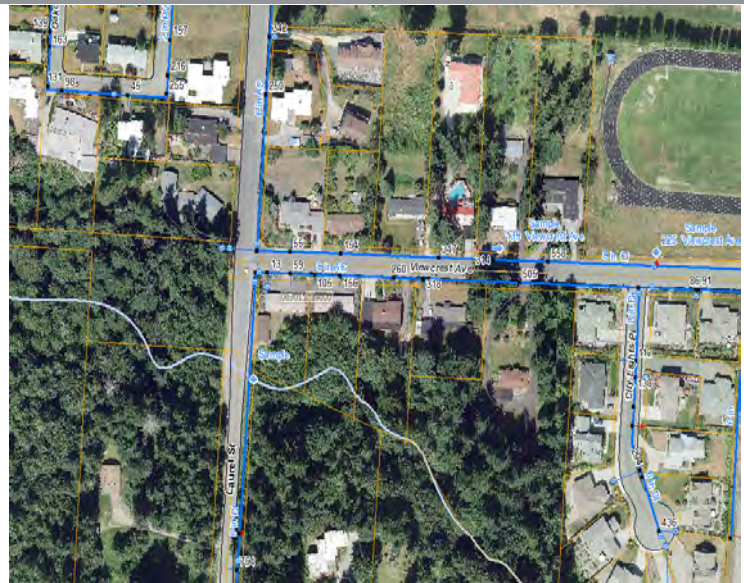
WT0318

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.098039, -123.445666  
PROJECT MANAGER: JONATHAN BOEHME

Maintenance Cost Descriptions:
Estimated life 50 years

### ABOUT THE PROJECT:

This project will install an intertie and PRV at the Viewcrest and Laurel Avenue intersection. Estimated project costs \$200,000.



### 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 residential use.



# FIRST STREET/LAUREL STREET FIRE FLOW

WT0417

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.1190, -123.4335  
PROJECT MANAGER: JONATHAN BOEHME

*Maintenance Cost Descriptions:*

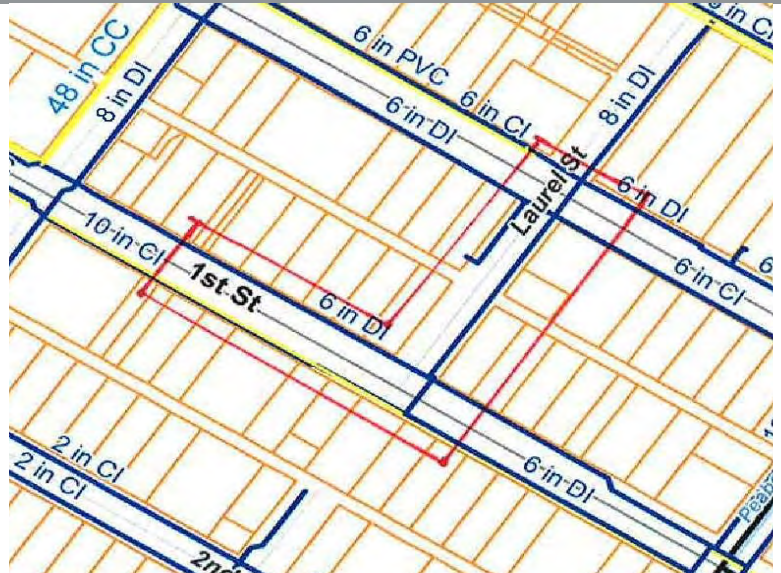
Estimated life 50 years

**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. Estimated project costs \$384,000.

**JUSTIFICATION:**

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



# 10TH & 11TH ALLEY WATER MAIN REPLACEMENT WT0418

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.105490, -123.428230  
PROJECT MANAGER: JONATHAN BOEHME

*Maintenance Cost Descriptions:*

Estimated life 50 years

**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. Estimated project cost \$150,000.

**JUSTIFICATION:**

Continued high repair for the cast iron pipes with poor reliability.



PROJECT STATUS: UNFUNDED  
 LATITUDE / LONGITUDE: 48.1147, -123.4374  
 PROJECT MANAGER: JONATHAN BOEHME

*Maintenance Cost Descriptions:*

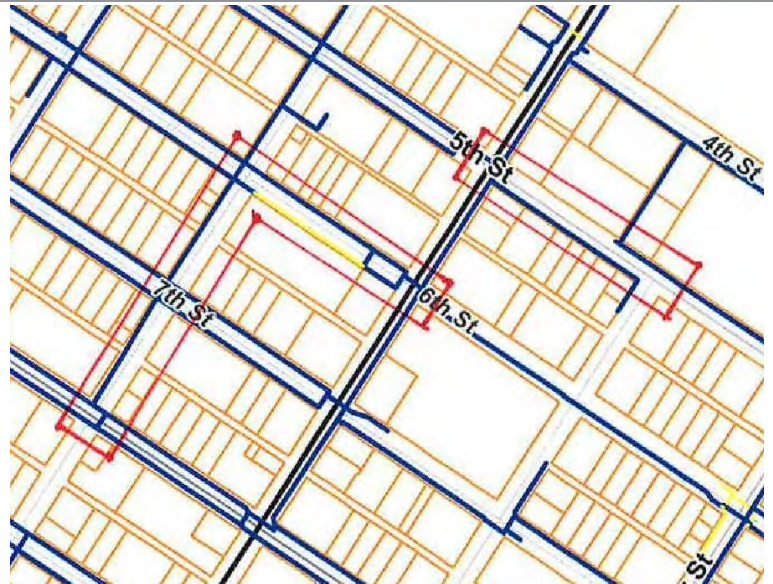
Estimated life 50 years

**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. Estimated project cost \$641,000.

**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  
 LATITUDE / LONGITUDE: 48.0965, -123.4194  
 PROJECT MANAGER: JONATHAN BOEHME

*Maintenance Cost Descriptions:*

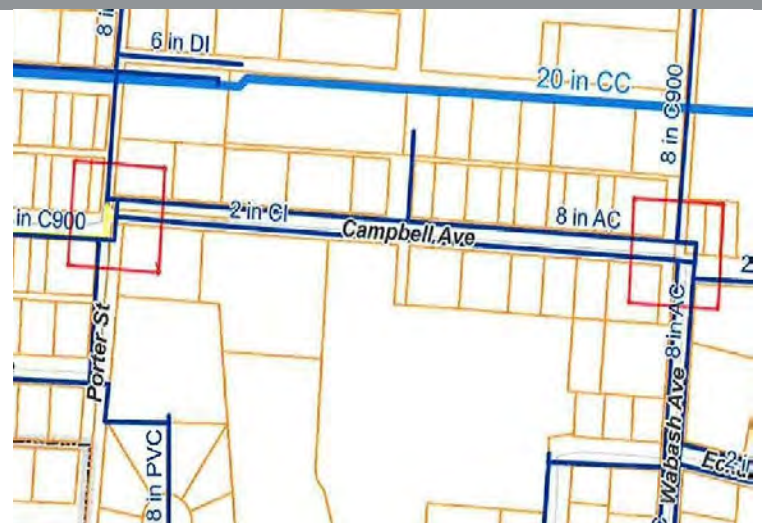
Estimated life 50 years

**ABOUT THE PROJECT:**

Connect the existing 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. Estimated project cost \$300,000.

**JUSTIFICATION:**

This project is to increase fire flow capacity for the nearby businesses and improves 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  
LATITUDE / LONGITUDE: 48.100381, -123.435538  
PROJECT MANAGER: JONATHAN BOEHME

Maintenance Cost Descriptions:
Estimated life 50 years

### 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. Estimated project cost \$530,000.



### JUSTIFICATION:

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

# EAST FIRST STREET FIRE FLOW

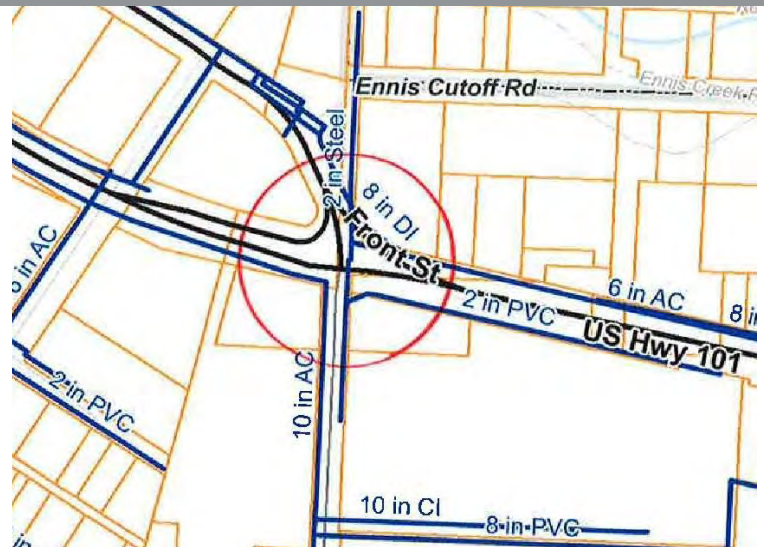
WT0917

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.1068, -123.4024  
PROJECT MANAGER: JONATHAN BOEHME

Maintenance Cost Descriptions:
Estimated life 50 years

### 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. Estimated project cost \$92,000.



### JUSTIFICATION:

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



PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.1317, -123.5177  
PROJECT MANAGER: JONATHAN BOEHME

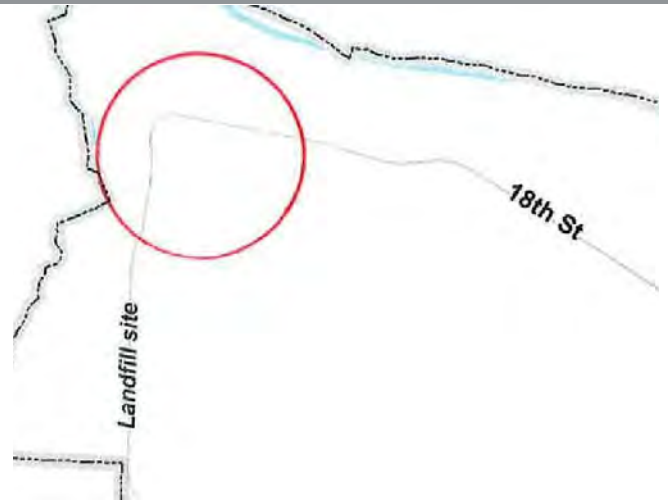
<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**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 Port Angeles Water Treatment Plant (PAWTP). This improvement eliminates dead end piping from the PAWTP as well as from west 18th Street. Estimated project cost \$480,500.

**JUSTIFICATION:**

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



PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.1101, -123.4597  
PROJECT MANAGER: JONATHAN BOEHME

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

Install 1,200 linear feet of new 12-inch pipe in west 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. Estimated project cost \$560,000.

**JUSTIFICATION:**

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



CITY OF PORT ANGELES



2020 - 2025  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN

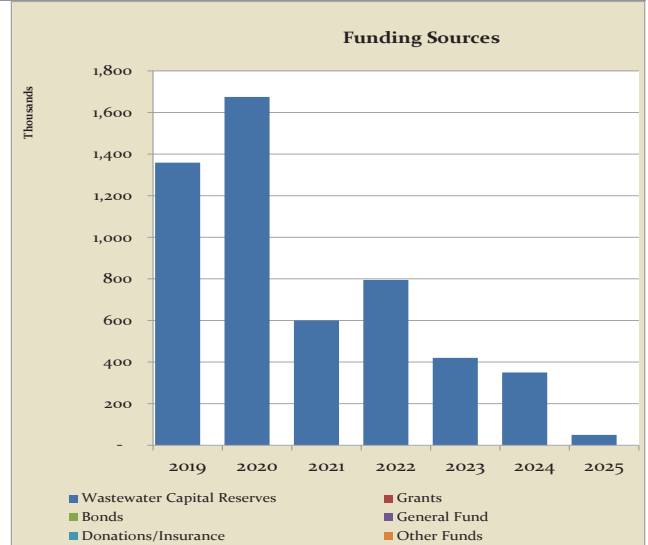


# WASTEWATER



# WASTEWATER FUND CAPITAL FACILITY PLAN

CFP YEAR: 2020 - 2025  
 MANAGER: JONATHAN BOEHME  
 CONTACT: JBOEHME@CITYOFPA.US  
 PHONE: 360-417-4803



## WASTEWATER FUND GOALS AND OBJECTIVES:

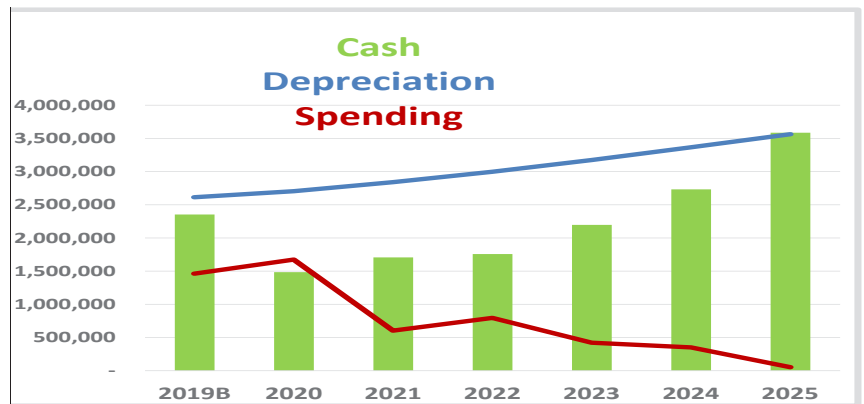
To provide or allow the opportunity for services and facilities which enhance the quality of life for Port Angeles citizens of all ages, characteristics, needs and interests and to achieve the desired developmental patterns of the City as depicted on the Comprehensive Plan Land Use Map. To provide utility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

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Wastewater Capital Reserves	\$ 1,913,744	1,359,000	1,675,000	600,000	795,000	420,000	350,000	50,000
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 1,913,744</b>	<b>\$ 1,359,000</b>	<b>\$ 1,675,000</b>	<b>\$ 600,000</b>	<b>\$ 795,000</b>	<b>\$ 420,000</b>	<b>\$ 350,000</b>	<b>\$ 50,000</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	278,179	360,000	415,000	265,000	15,000	15,000	15,000	-
Construction	1,312,210	1,102,100	1,260,000	335,000	780,000	405,000	335,000	50,000
<b>TOTAL</b>	<b>\$ 1,590,388</b>	<b>\$ 1,462,100</b>	<b>\$ 1,675,000</b>	<b>\$ 600,000</b>	<b>\$ 795,000</b>	<b>\$ 420,000</b>	<b>\$ 350,000</b>	<b>\$ 50,000</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	25,683	92,330	135,996	154,079	179,412	189,995	197,078
Other	-	-	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)
Maintenance projects	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 25,683</b>	<b>\$ 72,330</b>	<b>\$ 115,996</b>	<b>\$ 134,079</b>	<b>\$ 159,412</b>	<b>\$ 169,995</b>	<b>\$ 177,078</b>

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



# WASTEWATER PROJECT LIST & CASH FLOW

					CAPITAL FACILITIES PLAN					
WASTEWATER PROJECTS		PRIORITY	PROJECT TOTAL	BUDGET 2019	2020	2021	2022	2023	2024	2025
Number	Title									
WW0205	Biosolids Dewatering and Reuse	A	1,462,926	50,000	-	-	-	-	-	-
WW0308	Pump Station #3 Replacement	A	1,042,358	810,000	200,000	-	-	-	-	-
WW0315	Marine Channel Bridge Sewer Crossing	A	89,900	89,900	-	-	-	-	-	-
WW0618	2019 Neighborhood Sewer Rehab	A	300,000	300,000	-	-	-	-	-	-
WW0815	Laurel Street Sewer Separation	A	275,000	25,000	250,000	-	-	-	-	-
WW0715	Oak Street Sewer Separation	A	275,000	25,000	250,000	-	-	-	-	-
WW1218	10th Street Sewer Main	A	23,034	3,200	-	-	-	-	-	-
WW0519	Decant Facility at Transfer Station - Wastewater Soils Decant Bays	A	150,000	25,000	125,000	-	-	-	-	-
WW0419	WWTP HVAC Replacement	1	200,000	50,000	150,000	-	-	-	-	-
WW0219	WWTP Digester Cleaning and Repair	2	100,000	-	100,000	-	-	-	-	-
WW0508	Digester Mixing Improvement WWTP	3	600,000	-	50,000	150,000	400,000	-	-	-
WW0319	Wastewater Comprehensive Plan	4	300,000	-	200,000	100,000	-	-	-	-
WW0718	2020 Neighborhood Sewer Rehabilitation	5	300,000	-	300,000	-	-	-	-	-
WW0818	2021 Neighborhood Sewer Rehabilitation	6	300,000	-	-	300,000	-	-	-	-
WW0918	2022 Neighborhood Sewer Rehabilitation	7	300,000	-	-	-	300,000	-	-	-
WW0516	WWTP Boiler Replacement	8	115,000	-	-	-	45,000	70,000	-	-
WW1018	2023 Neighborhood Sewer Rehabilitation	9	300,000	-	-	-	-	300,000	-	-
WW1118	2024 Neighborhood Sewer Rehabilitation	10	300,000	-	-	-	-	-	300,000	-
CAPWW	General Wastewater Equipment	R	586,835	84,000	50,000	50,000	50,000	50,000	50,000	50,000
WW0415	Pump Station #5 Rehabilitation	UF	-	-	-	-	-	-	-	-
WW0915	Pump Station #6 Improvements	UF	-	-	-	-	-	-	-	-
WW0110	Aeration Blower Replacement	UF	550,000	-	-	-	-	-	-	-
WW0216	Washington Street Sewer Lateral	UF	70,000	-	-	-	-	-	-	-
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	2,000,000	-	-	-	-	-	-	-
WW0518	Francis Street Sewer Trestle Repair	UF	50,000	-	-	-	-	-	-	-
<b>Total</b>			<b>\$ 12,090,053</b>	<b>\$ 1,462,100</b>	<b>\$ 1,675,000</b>	<b>\$ 600,000</b>	<b>\$ 795,000</b>	<b>\$ 420,000</b>	<b>\$ 350,000</b>	<b>\$ 50,000</b>

CASH FLOW ANALYSIS	2019B	2020	2021	2022	2023	2024	2025
Beginning Cash Balance	3,032,490	2,353,890	1,482,390	1,705,890	1,754,390	2,197,890	2,731,390
<b>Funding sources:</b>							
Wastewater Rates	783,500	803,500	823,500	843,500	863,500	883,500	903,500
Grants	-	-	-	-	-	-	-
Bonds/Interest/Other	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>Spending:</b>							
Project Costs	(1,462,100)	(1,675,000)	(600,000)	(795,000)	(420,000)	(350,000)	(50,000)
<b>Ending Cash Balance</b>	<b>2,353,890</b>	<b>1,482,390</b>	<b>1,705,890</b>	<b>1,754,390</b>	<b>2,197,890</b>	<b>2,731,390</b>	<b>3,584,890</b>
<b>Depreciation</b>	<b>2,611,920</b>	<b>2,704,250</b>	<b>2,840,246</b>	<b>2,994,325</b>	<b>3,173,737</b>	<b>3,363,732</b>	<b>3,560,810</b>
<b>Depreciation to Cash Ratio</b>	<b>0.90</b>	<b>0.55</b>	<b>0.60</b>	<b>0.59</b>	<b>0.69</b>	<b>0.81</b>	<b>1.01</b>

PROJECTS COMPLETED IN 2018		Actual	Budget
WW0118	Marine Drive Sewer Phase 2	101,333	132,000
CAPWW	Misc Pumps for WWTP	23,677	78,000
<b>TOTAL COMPLETED PROJECTS</b>		<b>125,010</b>	<b>210,000</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.111766, -123.402773  
 PROJECT MANAGER: LUCIO BAACK



**Maintenance Cost Descriptions:**

Estimated life 50 years.  
 Shipping and handling will be reduced annually for the changes being made.

**ABOUT THE PROJECT:**

Installation of new dewatering press and ancillary equipment at the wastewater treatment plant.

**JUSTIFICATION:**

The existing filter press is obsolete and replacement parts are not available. Failure of the press will interrupt the delivery of biosolids to the compost facility and necessitate expensive hauling of WWTP biosolids to receiving facilities out of the area.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Wastewater Reserves	\$ 1,683,116	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 1,683,116</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	277,399	-	-	-	-	-	-	-
Construction	1,135,527	50,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 1,412,926</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	29,259	29,259	29,259	29,259	29,259	29,259
Other	-	-	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)
Maintenance only project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 9,259</b>	<b>\$ 9,259</b>	<b>\$ 9,259</b>	<b>\$ 9,259</b>	<b>\$ 9,259</b>	<b>\$ 9,259</b>

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



# PUMP STATION #3 REPLACEMENT

WW0308

PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.1215208, -123.436617  
 PROJECT MANAGERS: LUCIO BAACK

<i>Maintenance Cost Descriptions:</i>
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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Wastewater Reserves	\$ 32,358	\$ 810,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 32,358</b>	<b>\$ 810,000</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	780	220,000	-	-	-	-	-	-
Construction	31,578	590,000	200,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 32,358</b>	<b>\$ 810,000</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	21,059	26,059	26,059	26,059	26,059	26,059
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 21,059</b>	<b>\$ 26,059</b>	<b>\$ 26,059</b>	<b>\$ 26,059</b>	<b>\$ 26,059</b>	<b>\$ 26,059</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.133660, -123.4656  
 PROJECT MANAGER: LUCIO BAACK



<i>Maintenance Cost Descriptions:</i>
Estimated life 25 years

**ABOUT THE PROJECT:**  
 Project will reconstruct the sewer line attachment at the bridge over the log channel on Marine Drive.

**JUSTIFICATION:**  
 Failure of the sheet pile retaining wall at the log channel has caused ground movement in the area of the pressure sewer connection at the bridge. Failure to reconstruct the force main will result in severing the line and loss of service to Ediz Hook.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Wastewater Reserves	\$ 50,000	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
NICE funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 50,000</b>	<b>\$ 40,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	89,900	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 89,900</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	3,596	3,596	3,596	3,596	3,596	3,596
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,596</b>	<b>\$ 3,596</b>	<b>\$ 3,596</b>	<b>\$ 3,596</b>	<b>\$ 3,596</b>	<b>\$ 3,596</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE: 48.114363, -123.43207  
 PROJECT MANAGER: LUCIO BAACK

<i>Maintenance Cost Descriptions:</i>
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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Wastewater Reserves	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	15,000	-	-	-	-	-	-
Construction	-	285,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	3,750	3,750	3,750	3,750	3,750	3,750
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.119151, -123.433451  
 PROJECT MANAGER: LUCIO BAACK



<i>Maintenance Cost Descriptions:</i>
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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Wastewater Reserves	\$ -	\$ 25,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	25,000	-	-	-	-	-	-
Construction	-	-	250,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	313	3,438	3,438	3,438	3,438	3,438
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 313</b>	<b>\$ 3,438</b>	<b>\$ 3,438</b>	<b>\$ 3,438</b>	<b>\$ 3,438</b>	<b>\$ 3,438</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.120734, -123.434538  
 PROJECT MANAGER: LUCIO BAACK

<i>Maintenance Cost Descriptions:</i>
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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Wastewater Reserves	\$ -	\$ 25,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	25,000	-	-	-	-	-	-
Construction	-	-	250,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	313	3,438	3,438	3,438	3,438	3,438
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 313</b>	<b>\$ 3,438</b>	<b>\$ 3,438</b>	<b>\$ 3,438</b>	<b>\$ 3,438</b>	<b>\$ 3,438</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE: 48.126992, -123.479492  
 PROJECT MANAGER: LUCIO BAACK

<i>Maintenance Cost Descriptions:</i>
Estimated life 35 years.

**ABOUT THE PROJECT:**

This project will install two sewer crossings: one at L Street, which will consist of 2 manholes and 32 feet of 8” pipe; the second at Hamilton Way, which will consist of approximately 70 feet of 6” pipe to be used as a sleeve for future private force mains.

**JUSTIFICATION:**

This area is scheduled for road reconstructions, with the installation of sidewalks, curbing and new pavement. Installation of this infrastructure will prevent the need to cut the new asphalt pavement to support the development of undeveloped lots in the area.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Wastewater Reserves	\$ 23,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 23,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	19,834	3,200	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 19,834</b>	<b>\$ 3,200</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	567	657	657	657	657	657	657
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 567</b>	<b>\$ 657</b>	<b>\$ 657</b>	<b>\$ 657</b>	<b>\$ 657</b>	<b>\$ 657</b>	<b>\$ 657</b>

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



# DECANT FACILITY AT TRANSFER STATION WASTEWATER SOILS DECANT BAYS

WW0519

PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.131198, -123.518793  
 PROJECT MANAGER: LUCIO BAACK

**Maintenance Cost Descriptions:**

Estimated life 25 years.



**ABOUT THE PROJECT:**

This is wastewater’s \$150,000 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 DOE in the amount of \$474,300 with a city match of 15% from the solid waste reserves in the amount of \$83,700. Only the stormwater portions of the facility are grant eligible, in order to fund design and construction of wastewater portions of the facility the utility is contributing \$150,000 to this project. \$25,000 for design in 2019 and \$125,000 for construction in 2020.

**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 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Wastewater Reserves	\$ -	\$ 25,000	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	25,000	-	-	-	-	-	-
Construction	-	-	125,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	1,000	6,000	6,000	6,000	6,000	6,000
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,000</b>	<b>\$ 6,000</b>	<b>\$ 6,000</b>	<b>\$ 6,000</b>	<b>\$ 6,000</b>	<b>\$ 6,000</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.111766, -123.402773  
 PROJECT MANAGER: LUCIO BAACK

<i>Maintenance Cost Descriptions:</i>
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 that has had to be addressed on a case by case basis. This 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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Wastewater Reserves	\$ -	\$ 50,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	50,000	150,000	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	1,667	6,667	6,667	6,667	6,667	6,667
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,667</b>	<b>\$ 6,667</b>	<b>\$ 6,667</b>	<b>\$ 6,667</b>	<b>\$ 6,667</b>	<b>\$ 6,667</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.111766, -123.402773  
 PROJECT MANAGER: LUCIO BAACK

<i>Maintenance Cost Descriptions:</i>
Estimated life 30 years.

**ABOUT THE PROJECT:**

This project will clean, inspect and repair the floating cover on the easterly digester at the WWTP.

**JUSTIFICATION:**

Failure to clean, inspect, and repair the floating cover could result in failure of the cover and potential damage to the digester.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Wastewater Reserves	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	100,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	3,333	3,333	3,333	3,333	3,333
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,333</b>	<b>\$ 3,333</b>	<b>\$ 3,333</b>	<b>\$ 3,333</b>	<b>\$ 3,333</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.111766, -123.402773  
 PROJECT MANAGER: LUCIO BAACK



<i>Maintenance Cost Descriptions:</i>
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.

**JUSTIFICATION:**  
 The current mixing system is inefficient and limits the volume treated to 60% of the digester volume. The new process increases digester efficiency, reduces odors and foam generation, and results in a 67% energy savings.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Wastewater Reserves	\$ -	\$ -	\$ 50,000	\$ 150,000	\$ 400,000	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 150,000</b>	<b>\$ 400,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	50,000	150,000	-	-	-	-
Construction	-	-	-	-	400,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 150,000</b>	<b>\$ 400,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	2,000	8,000	24,000	24,000	24,000
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,000</b>	<b>\$ 8,000</b>	<b>\$ 24,000</b>	<b>\$ 24,000</b>	<b>\$ 24,000</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.114363, -123.43207  
 PROJECT MANAGER: LUCIO BAACK

<i>Maintenance Cost Descriptions:</i>
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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Wastewater Reserves	\$ -	\$ -	\$ 200,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	200,000	100,000	-	-	-	-
Construction	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	10,000	15,000	15,000	15,000	15,000
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>

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



# 2020 NEIGHBORHOOD SEWER REHABILITATION WW0718

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.114363, -123.43207  
 PROJECT MANAGER: LUCIO BAACK

<i>Maintenance Cost Descriptions:</i>
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 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Wastewater Reserves	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	15,000	-	-	-	-	-
Construction	-	-	285,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	3,750	3,750	3,750	3,750	3,750
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>

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



# 2021 NEIGHBORHOOD SEWER REHABILITATION WW0818

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.114363, -123.43207  
 PROJECT MANAGER: LUCIO BAACK

<i>Maintenance Cost Descriptions:</i>
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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Wastewater Reserves	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	15,000	-	-	-	-
Construction	-	-	-	285,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	3,750	3,750	3,750	3,750
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>

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



# 2022 NEIGHBORHOOD SEWER REHABILITATION WW0918

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.114363, -123.43207  
 PROJECT MANAGER: LUCIO BAACK

<i>Maintenance Cost Descriptions:</i>
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 increase the direct cost of wastewater treatment. Infiltration also adds to the stormwater flows causing potential CSO events.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	15,000	-	-	-
Construction	-	-	-	-	285,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	3,750	3,750	3,750
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.111766, -123.402773  
 PROJECT MANAGER: LUCIO BAACK

<i>Maintenance Cost Descriptions:</i>
Estimated life 20 years

**ABOUT THE PROJECT:**

The existing boiler at the Wastewater Treatment Plant is 22 years old and requires regular, costly maintenance. The project will replace the boiler with a smaller, more efficient boiler to be located in a different location. This will require changes to the steam lines to the digesters and will result in lower energy losses in the steam conveyance system.

**JUSTIFICATION:**

Failure to replace the existing boiler will result in higher maintenance costs as the boiler ages.



FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ 45,000	\$ 70,000	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,000</b>	<b>\$ 70,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	-	45,000	70,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,000</b>	<b>\$ 70,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	2,250	5,750	5,750
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,250</b>	<b>\$ 5,750</b>	<b>\$ 5,750</b>

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



# 2023 NEIGHBORHOOD SEWER REHABILITATION WW1018

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.114363, -123.43207  
 PROJECT MANAGER: LUCIO BAACK

<i>Maintenance Cost Descriptions:</i>
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 increase the direct cost of wastewater treatment. Infiltration also adds to the stormwater flows causing potential CSO events.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	15,000	-	-
Construction	-	-	-	-	-	285,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	3,750	3,750
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,750</b>	<b>\$ 3,750</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.114363, -123.43207  
 PROJECT MANAGER: LUCIO BAACK

<i>Maintenance Cost Descriptions:</i>
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 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Wastewater Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	15,000	-
Construction	-	-	-	-	-	-	285,000	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	3,750
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,750</b>

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



PROJECT STATUS: REVOLVING  
 LATITUDE / LONGITUDE:  
 48.111766, -123.402773  
 PROJECT MANAGER: JEFF YOUNG



**Maintenance Cost Descriptions:**

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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Wastewater Reserves	\$ 125,271	\$ 84,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 125,271</b>	<b>\$ 84,000</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	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	125,271	84,000	50,000	50,000	50,000	50,000	50,000	50,000
<b>TOTAL</b>	<b>\$ 125,271</b>	<b>\$ 84,000</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	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	25,116	30,716	34,049	37,382	40,715	44,048	47,381
Other	-	-	-	-	-	-	-	-
Capital spent directly from operations	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 25,116</b>	<b>\$ 30,716</b>	<b>\$ 34,049</b>	<b>\$ 37,382</b>	<b>\$ 40,715</b>	<b>\$ 44,048</b>	<b>\$ 47,381</b>

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



# 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  
LATITUDE / LONGITUDE:  
48.117105, -123.431624  
PROJECT MANAGERS: LUCIO BAACK

<i>Maintenance Cost Descriptions:</i>
Estimated life 40 years

### 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.



# PUMP STATION #6 IMPROVEMENTS

WW0915

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE:  
48.091064, -123.425336  
PROJECT MANAGER: LUCIO BAACK

*Maintenance Cost Descriptions:*

Estimated life 25 years

**ABOUT THE PROJECT:**

The project will pre-treat influent to pump station #6 (Church St and McDougal St).

**JUSTIFICATION:**

Failure to improve the pump station and pipelines which have limited capacity will continue to cause pump inefficiencies and sewer backup into a tributary of Peabody Creek.



# AERATION BLOWER REPLACEMENT

WW0110

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE:  
48.111766, -123.402773  
PROJECT MANAGER: LUCIO BAACK

*Maintenance Cost Descriptions:*

Estimated annual savings of \$12,000 per year for reduction of electric usage when the project is funded.  
Estimated life 80 years.

**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 project cost \$550,000.

**JUSTIFICATION:**

Allows the Wastewater Treatment Plant to have a back up blower and saves energy by reducing horse power.



# WASHINGTON STREET SEWER LATERAL

WW0216

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE:  
48.114604, -123.414916  
PROJECT MANAGER: LUCIO BAACK

*Maintenance Cost Descriptions:*

Estimated life 25 years

**ABOUT THE PROJECT:**

The sewer line in the alley serving 927 Georgiana Street is being abandoned as part of the new construction at the Olympic Memorial Hospital. The proposed sewer lateral will connect the building sewer to the existing gravity sewer on Washington Street. Estimated project cost \$70,000.

**JUSTIFICATION:**

Failure to construct the sewer lateral will make the building uninhabitable.



# ENNIS CREEK FORCE MAIN REMOVAL

WW0217

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.1154, -123.4058  
PROJECT MANAGER: LUCIO BAACK

*Maintenance Cost Descriptions:*

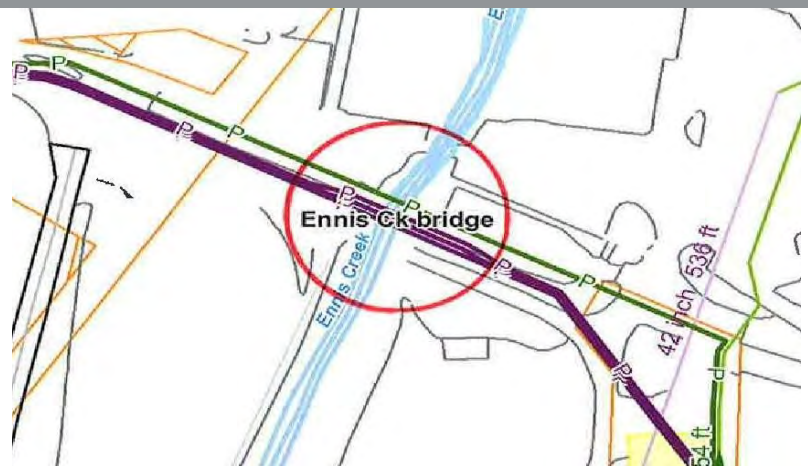
Estimated life 25 years

**ABOUT THE PROJECT:**

This project removes the abandoned sewer force main that crosses Ennis Creek. Estimated cost \$225,000.

**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 WW0608

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.111766, -123.402773  
PROJECT MANAGER: LUCIO BAACK

<i>Maintenance Cost Descriptions:</i>
Estimated life 25 years

### 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. Estimated project cost \$1,500,000.

### 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  
LATITUDE / LONGITUDE:  
48.120447662, -123.437828447  
PROJECT MANAGER: LUCIO BAACK

<i>Maintenance Cost Descriptions:</i>
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 on First Street to prevent stormwater from entering the wastewater system at Pump Station #2. Estimated project cost \$120,000.



### 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  
LATITUDE / LONGITUDE:  
48.124039, -123.462745  
PROJECT MANAGER: LUCIO BAACK

*Maintenance Cost Descriptions:*

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 preventing groundwater from entering the wastewater mains under Shane Park. Estimated project cost \$280,000.



**JUSTIFICATION:**

The Washington State Department of Ecology mandates that after the completion of the CSO Phase I, the City is limited to one outfall event per year. This project provides additional assurance that the allowed number of CSO events will not be exceeded.

# PINE HILL SEWER SEPARATION

WW1315

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE:  
48.120917, -123.442812  
PROJECT MANAGER: LUCIO BAACK

*Maintenance Cost Descriptions:*

Estimated life 80 years.

**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. Project cost is estimated at \$275,000.



**JUSTIFICATION:**

Minimize surface water intrusion into the wastewater system to improve system efficiency and capacity.



# BIOSOLID PYROLYSIS

WW0119

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE:  
48.131198, -123.518793  
PROJECT MANAGER: LUCIO BAACK

*Maintenance Cost Descriptions:*

Estimated life 30 years

**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. Estimated cost \$2,000,000.



**JUSTIFICATION:**

Further reduction of wastewater biosolid output in the compost.

# FRANCIS STREET SEWER TRESTLE REPAIR

WW0518

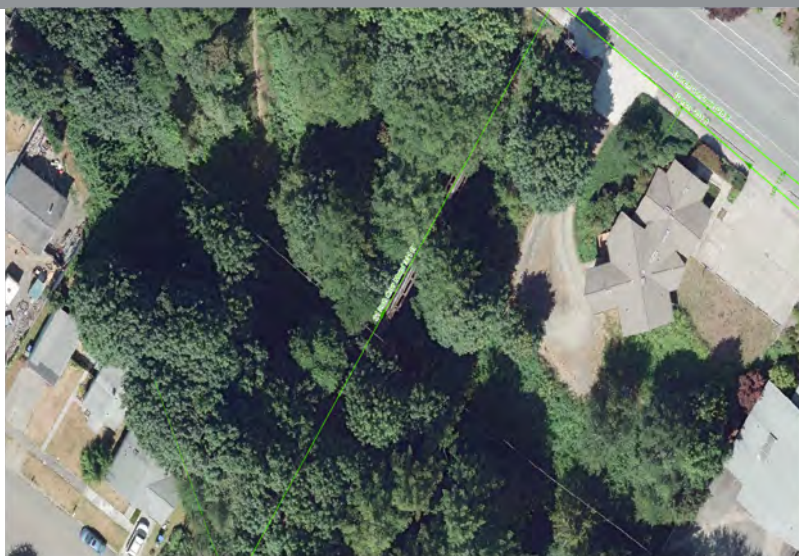
PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE:  
48.107221, -123.426739  
PROJECT MANAGER: LUCIO BAACK

*Maintenance Cost Descriptions:*

Estimated life 40 years

**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. Estimated project cost \$50,000.



**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.



# COMBINED SEWER OVERFLOW



# CSO FUND CAPITAL FACILITY PLAN

CFP YEAR: 2020 - 2025  
 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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Wastewater CSO Rates	\$ -	\$ -	\$ 190,000	\$ -	\$ 15,000	\$ 150,000	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 190,000</b>	<b>\$ -</b>	<b>\$ 15,000</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	15,000	-	-	-
Construction	-	-	190,000	-	-	150,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 190,000</b>	<b>\$ -</b>	<b>\$ 15,000</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	7,600	7,600	7,600	15,938	15,938
Debt payments	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,600</b>	<b>\$ 7,600</b>	<b>\$ 7,600</b>	<b>\$ 15,938</b>	<b>\$ 15,938</b>

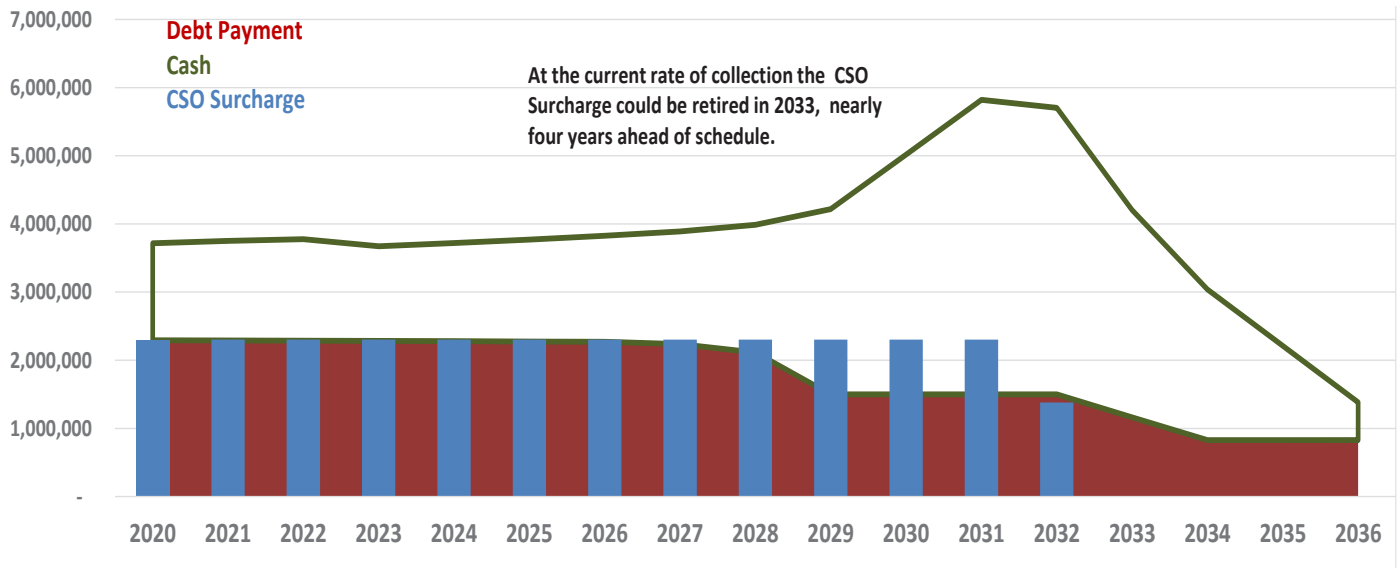
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



# COMBINED SEWER OVERFLOW PROJECT LIST & CASH FLOW

CSO PROJECTS		CAPITAL FACILITIES PLAN							
		TOTAL PROJECT	BUDGET 2019	2020	2021	2022	2023	2024	2025
Number	Title								
<b>COMBINED SEWER OVERFLOW</b>									
WW0316	CSO 6 and 7 Reconstruction	208,449	-	-	-	15,000	150,000	-	-
WW0117	Francis Street Pigging Bypass	190,000	-	190,000	-	-	-	-	-
<b>Total</b>		<b>398,449</b>	<b>-</b>	<b>190,000</b>	<b>-</b>	<b>15,000</b>	<b>150,000</b>	<b>-</b>	<b>-</b>

CASH FLOW ANALYSIS	2019	2020	2021	2022	2023	2024	2025
Beginning Cash Balance	1,537,256	1,571,936	1,421,117	1,461,089	1,490,667	1,389,645	1,440,409
<b>Funding sources:</b>							
CSO fee	2,301,900	2,301,900	2,301,900	2,301,900	2,301,900	2,301,900	2,301,900
Interest Earnings	30,745	31,439	28,422	29,222	29,813	27,793	28,808
<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)	2,297,965	2,294,158	2,290,351	2,286,543	2,282,736	2,278,928	2,275,121
Project costs	-	190,000	-	15,000	150,000	-	-
<b>Ending Cash Balance</b>	<b>1,571,936</b>	<b>1,421,117</b>	<b>1,461,089</b>	<b>1,490,667</b>	<b>1,389,645</b>	<b>1,440,409</b>	<b>1,495,996</b>



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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.121150578, -123.4329353542  
 PROJECT MANAGERS: LUCIO BAACK



<i>Maintenance Cost Descriptions:</i>
Estimated life 25 years

### ABOUT THE PROJECT:

The project will construct new combined sewer overflow (CSO) measuring stations at CSO 6, located at the intersection of Oak Street and Railroad Avenue, and CSO 7 located at the intersection of Laurel Street and Railroad Avenue. 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 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Wastewater CSO Reserves	\$ -	\$ -	\$ -	\$ -	\$ 15,000	\$ 150,000	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	15,000	-	-	-
Construction	-	-	-	-	-	150,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>

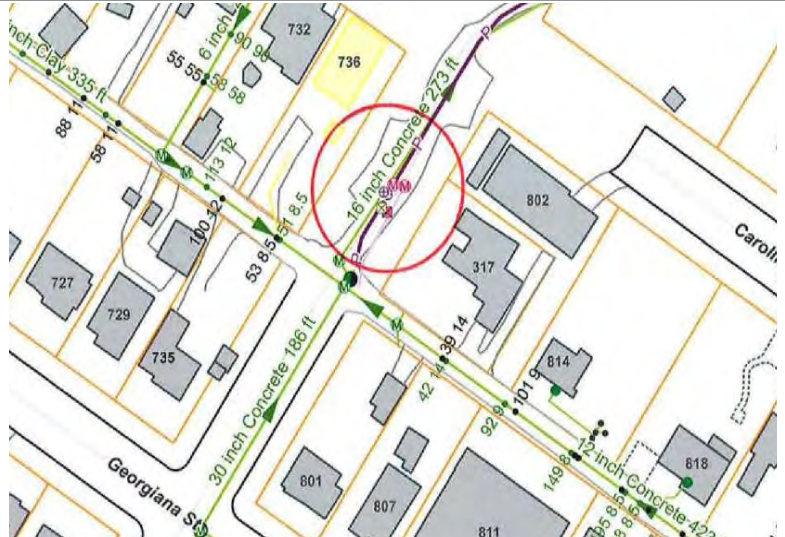
OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	8,338	8,338
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 8,338</b>	<b>\$ 8,338</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.1162, -123.4186  
 PROJECT MANAGERS: LUCIO BAACK

<i>Maintenance Cost Descriptions:</i>
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" in 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 2019	CAPITAL FACILITY PLAN						
			2020	2021	2022	2023	2024	2025	
Wastewater Reserves	\$ -	\$ -	\$ 190,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 190,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

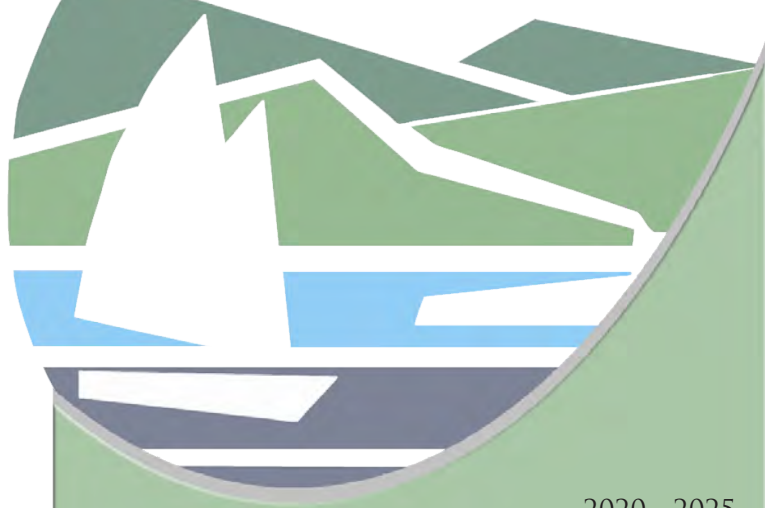
EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	190,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 190,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	7,600	7,600	7,600	7,600	7,600
Other	-	-	-	-	-	-	-	-
Maintenance only project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,600</b>	<b>\$ 7,600</b>	<b>\$ 7,600</b>	<b>\$ 7,600</b>	<b>\$ 7,600</b>

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



CITY OF PORT ANGELES



2020 - 2025  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN

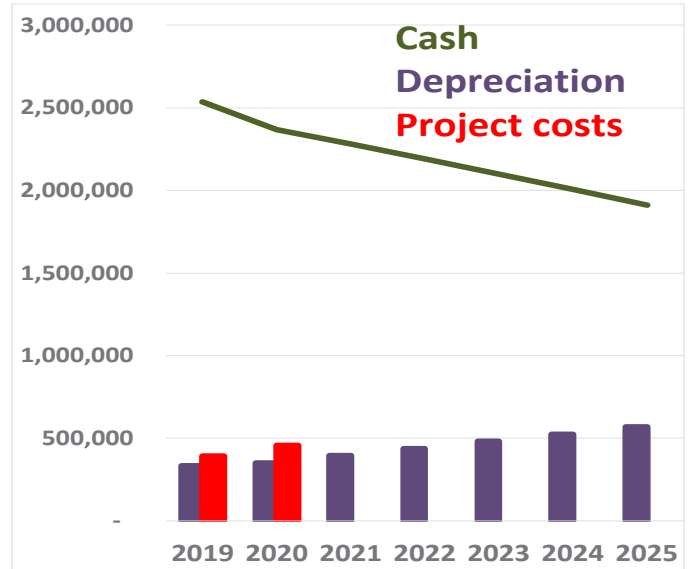


# SOLID WASTE



# SOLID WASTE FUND CAPITAL FACILITY PLAN

CFP YEAR: 2020 - 2025  
 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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Solid Waste Reserves	\$ 51,289	\$ 114,000	\$ 85,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	22,554	102,000	372,300	-	-	-	-	-
Bonds use of excess bonds	175,000	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 248,843</b>	<b>\$ 216,000</b>	<b>\$ 457,300</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	45,054	120,000	-	-	-	-	-	-
Construction	28,789	271,000	457,300	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 73,843</b>	<b>\$ 391,000</b>	<b>\$ 457,300</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation/ amortization	-	4,621	17,755	43,249	43,249	43,249	43,249	43,249
Other	-	-	-	-	-	-	-	-
Debt payment	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 4,621</b>	<b>\$ 17,755</b>	<b>\$ 43,249</b>	<b>\$ 43,249</b>	<b>\$ 43,249</b>	<b>\$ 43,249</b>	<b>\$ 43,249</b>

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



# SOLID WASTE PROJECT LIST & CASH FLOW

SOLID WASTE PROJECTS				CAPITAL FACILITIES PLAN						
				BUDGET 2019	2020	2021	2022	2023	2024	2025
Number	Title	PRIORITY	PROJECT TOTAL							
SW0112	Decant Facility at Transfer Station	A	637,354	155,000	457,300	-	-	-	-	-
SW0117	Landfill Operating Software	A	80,000	80,000	-	-	-	-	-	-
SW0217	Landfill Flare Replacement	A	204,789	156,000	-	-	-	-	-	-
SW0218	Landfill Security Fencing	UF	200,000	-	-	-	-	-	-	-
<b>Total</b>			<b>1,122,143</b>	<b>391,000</b>	<b>457,300</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

CASH FLOW ANALYSIS	2019	2020	2021	2022	2023	2024	2025
Beginning Cash Balance	2,904,791	2,536,237	2,367,762	2,279,917	2,190,016	2,098,716	2,006,740
Landfill Surcharge*	1,008,800	1,008,800	1,008,800	1,008,800	1,008,800	1,008,800	1,008,800
<b>Funding sources:</b>							
Solid Waste Rates	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Grants	102,000	372,300	-	-	-	-	-
Bonds (net used & paid)	(1,196,450)	(1,193,000)	(1,194,000)	(1,194,300)	(1,193,900)	(1,192,750)	(1,194,325)
General Fund	-	-	-	-	-	-	-
Donations	-	-	-	-	-	-	-
Interest Income	58,096	50,725	47,355	45,598	43,800	41,974	40,135
<b>Spending:</b>							
Project Cost	(391,000)	(457,300)	-	-	-	-	-
<b>Ending Cash Balance</b>	<b>2,536,237</b>	<b>2,367,762</b>	<b>2,279,917</b>	<b>2,190,016</b>	<b>2,098,716</b>	<b>2,006,740</b>	<b>1,911,350</b>
<b>Depreciation</b>	<b>333,282</b>	<b>351,037</b>	<b>394,286</b>	<b>437,535</b>	<b>480,783</b>	<b>524,032</b>	<b>567,281</b>
<b>Cash/Depreciation</b>	<b>7.6</b>	<b>6.7</b>	<b>5.8</b>	<b>5.0</b>	<b>4.4</b>	<b>3.8</b>	<b>3.4</b>

PROJECTS COMPLETED IN 2018	Actual	Budget
SW0118 Metal Recycle Facility Fence	43,637	47,000
<b>TOTAL COMPLETED PROJECTS</b>	<b>43,637</b>	<b>47,000</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.131198, -123.518793  
 PROJECT MANAGER: LUCIO BAACK

<i>Maintenance Cost Descriptions:</i>
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 2500 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 \$83,700. An additional \$35,000 from solid waste reserves will be allocated for property purchase. Only the stormwater portions of the facility are grant eligible, in order to fund design & construction of water and wastewater portions of the facility, the respective utilities are contributing \$150,000 each from projects WTo419 & WW0519 (in those funds).



**JUSTIFICATION:**

The Transfer Station is a closed landfill cell with a stormwater detention pond and without proper handling the runoff could contaminate local water tables, streams, and the Straits of Juan de Fuca, in violation of our NPDES permit. Additional funding will come from Water and Wastewater are being made available.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Solid Waste Reserves	\$ 2,500.00	\$ 53,000	\$ 85,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	22,554	102,000	372,300	-	-	-	-	-
Bonds use of excess bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 25,054</b>	<b>\$ 155,000</b>	<b>\$ 457,300</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	25,054	120,000	-	-	-	-	-	-
Construction	-	35,000	457,300	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 25,054</b>	<b>\$ 155,000</b>	<b>\$ 457,300</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	25,494	25,494	25,494	25,494	25,494
Other - Surcharge	-	-	-	-	-	-	-	-
- Debt payment	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 25,494</b>	<b>\$ 25,494</b>	<b>\$ 25,494</b>	<b>\$ 25,494</b>	<b>\$ 25,494</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE: 48.125838, -123.51828  
 PROJECT MANAGER: TOM MCCABE

<i>Maintenance Cost Descriptions:</i>
Estimated life 15 years

**ABOUT THE PROJECT:**

Replacement of the Unitec billing system at the landfill.

**JUSTIFICATION:**

The current system will become obsolete due to age of the system.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Solid Waste Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds use of excess bonds	80,000	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 80,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	80,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 80,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	5,333	5,333	5,333	5,333	5,333	5,333
Other - Surcharge	-	-	-	-	-	-	-	-
- Debt payment	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,333</b>	<b>\$ 5,333</b>	<b>\$ 5,333</b>	<b>\$ 5,333</b>	<b>\$ 5,333</b>	<b>\$ 5,333</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.130691, -123.517638  
 PROJECT MANAGER: LUCIO BAACK

**Maintenance Cost Descriptions:**

Estimated life 20 years

**ABOUT THE PROJECT:**

Location: Port Angeles Landfill, North of Existing 351 Landfill Cell, 3501 W 18th St. EPG Companies Inc. provided a quote for a standard landfill gas flare with many of the same features as the existing gas flare, and appropriately sized for the reduction in Methane production. Depending on how much of the existing flare facility is repurposed for construction of the new facility. 2019 Costs = \$115,439.36 remaining to purchase flare, \$40,560.64 additional budget to cover internal city cost of prepping the site, installing flare, connecting to SCADA.

**JUSTIFICATION:**

2016 flare monitoring data indicates the existing flare is operating near the low end of the manufacturer's design range (40%), and will continue to operate only as long as there is sufficient methane concentration (estimated 30%) to maintain a flame (estimated at 1 to 5 years).



FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Solid Waste Reserves	\$ 48,789	\$ 61,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds use of excess bonds	95,000	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 143,789</b>	<b>\$ 61,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	20,000	-	-	-	-	-	-	-
Construction	28,789	156,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 48,789</b>	<b>\$ 156,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	2,439	10,239	10,239	10,239	10,239	10,239	10,239
Other - Surcharge	-	-	-	-	-	-	-	-
- Debt payment	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 2,439</b>	<b>\$ 10,239</b>	<b>\$ 10,239</b>	<b>\$ 10,239</b>	<b>\$ 10,239</b>	<b>\$ 10,239</b>	<b>\$ 10,239</b>

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



# SOLID WASTE UNFUNDED CAPITAL PROJECTS

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

## LANDFILL SECURITY FENCING

SW0218

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE:  
48.127506, -123.518855  
PROJECT MANAGER: JONATHAN BOEHME

### Maintenance Cost Descriptions:

Estimated life 20 years.

### ABOUT THE PROJECT:

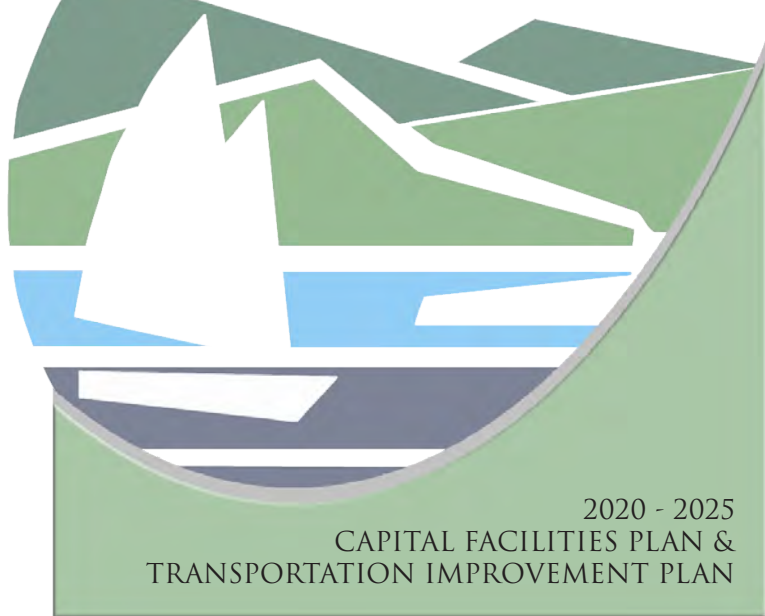
The purpose of the fence is to provide security to the Port Angeles Regional Transfer Station. This work shall consist of furnishing and installing a six foot tall chain link fence type three with barbwire arms as specified. Estimated project cost \$200,000.

### JUSTIFICATION:

To prevent trespass and neighboring property.



CITY OF PORT ANGELES



2020 - 2025  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN

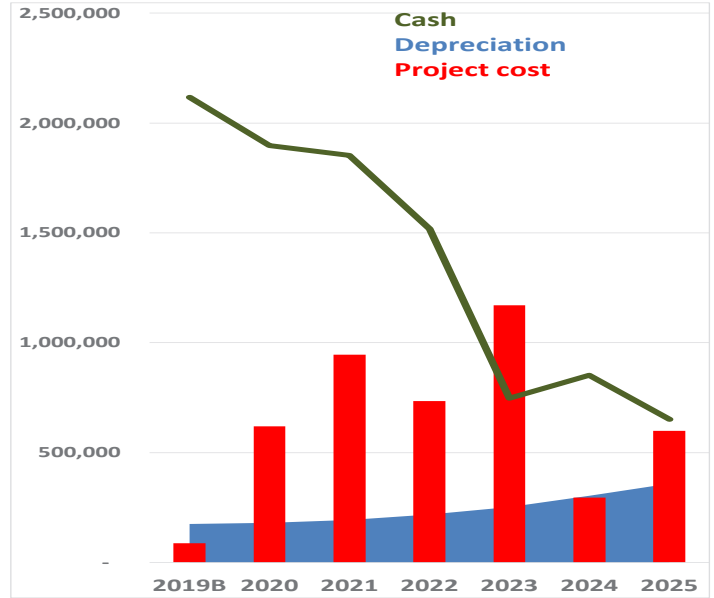


# STORMWATER



# STORMWATER FUND CAPITAL FACILITY PLAN

CFP YEAR: 2020 - 2025  
 MANAGER: JONATHAN BOEHME  
 CONTACT: JBOEHME@CITYOFPA.US  
 PHONE: 360-417-4803



## STORMWATER FUND GOALS AND OBJECTIVES: To build and manage stormwater drainage within the City.

PROJECTS COMPLETED IN 2018	Actual	Budget
DR0218 Craig Avenue Stormwater	17,506	21,500
<b>TOTAL COMPLETED PROJECTS</b>	<b>17,506</b>	<b>21,500</b>

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

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Capital Reserves	\$ 378,500	\$ 10,000	\$ 620,000	\$ 891,500	\$ 235,000	\$ 1,170,000	\$ 295,000	\$ 600,000
Grants	-	-	-	-	500,000	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	85,000	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 378,500</b>	<b>\$ 10,000</b>	<b>\$ 620,000</b>	<b>\$ 891,500</b>	<b>\$ 735,000</b>	<b>\$ 1,170,000</b>	<b>\$ 295,000</b>	<b>\$ 600,000</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	4,463	10,000	120,000	20,000	135,000	170,000	115,000	-
Construction	327,435	77,565	500,000	925,000	600,000	1,000,000	180,000	600,000
<b>TOTAL</b>	<b>\$ 331,898</b>	<b>\$ 87,565</b>	<b>\$ 620,000</b>	<b>\$ 945,000</b>	<b>\$ 735,000</b>	<b>\$ 1,170,000</b>	<b>\$ 295,000</b>	<b>\$ 600,000</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	4,149	5,243	12,993	24,806	33,993	51,368	55,056
Other	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 4,149</b>	<b>\$ 5,243</b>	<b>\$ 12,993</b>	<b>\$ 24,806</b>	<b>\$ 33,993</b>	<b>\$ 51,368</b>	<b>\$ 55,056</b>

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



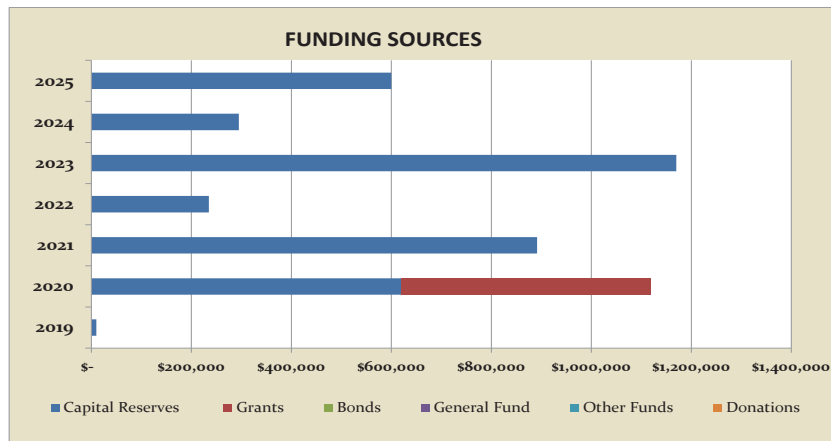
# STORMWATER PROJECT LIST & CASH FLOW

STORMWATER PROJECTS					CAPITAL FACILITIES PLAN					
Number	Title	PRIORITY	PROJECT TOTAL	BUDGET 2019	2020	2021	2022	2023	2024	2025
DR0213	H Street Stormwater Outfall	A	514,463	10,000	500,000	-	-	-	-	-
DR0215	Francis Street Outfall Repair	A	35,000	35,000	-	-	-	-	-	-
DR0118	10th Street Catch Basins	A	370,000	42,565	-	-	-	-	-	-
DR0404	Stormwater at Canyon Edge & Ahlvers	1	1,045,000	-	120,000	925,000	-	-	-	-
DR0117	Peabody Street Water Quality Project	2	620,000	-	-	20,000	600,000	-	-	-
DR0115	Liberty Street Stormwater Improvement	3	1,135,000	-	-	-	135,000	1,000,000	-	-
DR0119	N Street Outfall Improvement	4	250,000	-	-	-	-	70,000	180,000	-
DR0304	Stormwater at Laurel Street & US 101	5	575,000	-	-	-	-	-	75,000	500,000
DR0219	Outfall to Creek Improvement Program	6	140,000	-	-	-	-	-	40,000	100,000
DR0804	Lincoln Park/Big Boy Pond Study	7	100,000	-	-	-	-	100,000	-	-
DR0112	Valley Creek Culvert & Outfall	UF	800,000	-	-	-	-	-	-	-
<b>Total</b>			<b>5,584,463</b>	<b>87,565</b>	<b>620,000</b>	<b>945,000</b>	<b>735,000</b>	<b>1,170,000</b>	<b>295,000</b>	<b>600,000</b>

CASH FLOW ANALYSIS	2019B	2020	2021	2022	2023	2024	2025
Beginning Cash Balance	1,804,776	2,117,211	1,897,211	1,852,211	1,517,211	747,211	852,211
<b>Funding sources:</b>							
Utilities Reserves*	400,000	400,000	400,000	400,000	400,000	400,000	400,000
Grants	-	-	500,000	-	-	-	-
Bonds	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-
<b>Spending:</b>							
Project cost	(87,565)	(620,000)	(945,000)	(735,000)	(1,170,000)	(295,000)	(600,000)
<b>Ending Cash Balance</b>	<b>2,117,211</b>	<b>1,897,211</b>	<b>1,852,211</b>	<b>1,517,211</b>	<b>747,211</b>	<b>852,211</b>	<b>652,211</b>

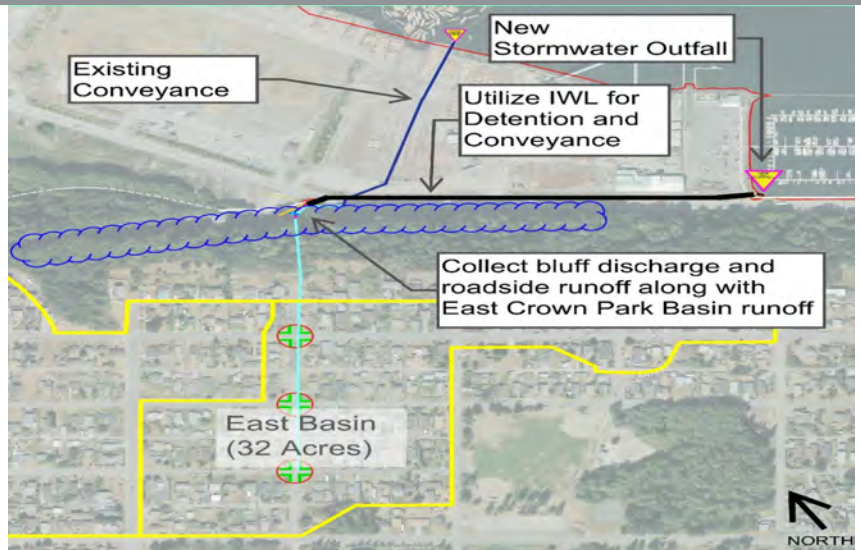
<b>Depreciation</b>	<b>175,643</b>	<b>180,886</b>	<b>193,879</b>	<b>218,685</b>	<b>252,678</b>	<b>304,047</b>	<b>359,102</b>
<b>Depreciation to Cash Ratio</b>	<b>12.05</b>	<b>10.49</b>	<b>9.55</b>	<b>6.94</b>	<b>2.96</b>	<b>2.80</b>	<b>1.82</b>

Operating (based on 2017 actual plus 2.5% annually for expenses)	2019	2020	2021	2022	2023	2024	2025
Operating Cash	1,330,444	1,659,256	1,953,124	2,211,172	2,432,508	2,616,211	2,761,342
Revenue	2,126,600	2,126,600	2,126,600	2,126,600	2,126,600	2,126,600	2,126,600
Expenses (2.5% CPI)	(1,397,788)	(1,432,733)	(1,468,551)	(1,505,265)	(1,542,896)	(1,581,469)	(1,621,006)
Direct Operating Expense	-	-	-	-	-	-	-
Trfs for capital	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)
<b>Total</b>	<b>1,659,256</b>	<b>1,953,124</b>	<b>2,211,172</b>	<b>2,432,508</b>	<b>2,616,211</b>	<b>2,761,342</b>	<b>2,866,937</b>



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.127391, -123.464129  
 PROJECT MANAGER: VINCENT MCINTYRE

<i>Maintenance Cost Descriptions:</i>
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.

**JUSTIFICATION:**

Decrease residential flooding, eliminate dependency on a failing pipe network, and reduce maintenance and repair costs.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ 5,000	\$ 10,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 5,000</b>	<b>\$ 10,000</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	4,463	10,000	-	-	-	-	-	-
Construction	-	-	500,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 4,463</b>	<b>\$ 10,000</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	56	181	6,431	6,431	6,431	6,431	6,431
Other - annual maintenance/inspection	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 56</b>	<b>\$ 181</b>	<b>\$ 6,431</b>	<b>\$ 6,431</b>	<b>\$ 6,431</b>	<b>\$ 6,431</b>	<b>\$ 6,431</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.116354, -123.418302  
 PROJECT MANAGER: VINCENT MCINTYRE



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Existing outfall is almost submerged under beach sediments and should be upgraded to meet current WDFW design standards. Rather than a pipe extending into the tidelands, current standards require energy dissipation, which will be located on the rip-rap bank. Rehabilitation of this outfall will restore flow capacity, so that outfall capacity matches pipe capacity. The upgrade in system capacity is needed to enable upstream connections.

**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 outfall events.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 35,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	35,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 35,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	438	438	438	438	438	438
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 438</b>	<b>\$ 438</b>	<b>\$ 438</b>	<b>\$ 438</b>	<b>\$ 438</b>	<b>\$ 438</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE: 48.126992, -123.479455  
 PROJECT MANAGER: VINCENT MCINTYRE

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Install new catch basins and rain filtration systems on 10th Street.

**JUSTIFICATION:**

Replacement of 10th street requires additional stormwater attachments.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ 285,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	85,000	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 370,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	327,435	42,565	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 327,435</b>	<b>\$ 42,565</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	4,093	4,625	4,625	4,625	4,625	4,625	4,625
Other	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 4,093</b>	<b>\$ 4,625</b>	<b>\$ 4,625</b>	<b>\$ 4,625</b>	<b>\$ 4,625</b>	<b>\$ 4,625</b>	<b>\$ 4,625</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.094362, -123.434709  
 PROJECT MANAGER: VINCENT MCINTYRE



<i>Maintenance Cost Descriptions:</i>
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 \$1.425M.

**JUSTIFICATION:**

Flooding during large storms overtops the stormwater system.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ 53,500	\$ -	\$ 120,000	\$ 871,500	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 53,500</b>	<b>\$ -</b>	<b>\$ 120,000</b>	<b>\$ 871,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	120,000	-	-	-	-	-
Construction	-	-	-	925,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 120,000</b>	<b>\$ 925,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	1,500	13,063	13,063	13,063	13,063
Other - annual maintenance	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,500</b>	<b>\$ 13,063</b>	<b>\$ 13,063</b>	<b>\$ 13,063</b>	<b>\$ 13,063</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.113549, -123.431171  
 PROJECT MANAGER: VINCENT MCINTYRE



FILTERRA UNITS (EXAMPLE)

**Maintenance Cost Descriptions:**

Estimated life 80 years  
 No depreciation for this item, used to record transfer expense.

**ABOUT THE PROJECT:**

Installation of water quality devices along Peabody Street. Funded by a Washington State Department of Ecology Grant.

**JUSTIFICATION:**

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

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ 20,000	\$ 100,000	\$ -	\$ -	\$ -
Grants	-	-	-	-	500,000	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,000</b>	<b>\$ 600,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	20,000	-	-	-	-
Construction	-	-	-	-	600,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,000</b>	<b>\$ 600,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	250	7,750	7,750	7,750
Other -explained on individual sheets	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250</b>	<b>\$ 7,750</b>	<b>\$ 7,750</b>	<b>\$ 7,750</b>

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



# LIBERTY STREET STORMWATER IMPROVEMENT DR0115

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.106788, -123.414558  
 PROJECT MANAGER: VINCENT MCINTYRE



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**  
 Existing stormlines near Liberty Street are undersized, project will increase the capacity of stormwater drainage at Liberty Street. Project limits from Liberty Street to Washington Street. An additional \$2.0 million is currently unfunded.

**JUSTIFICATION:**  
 To prevent and help mitigate any flooding issues.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ 135,000	\$ 1,000,000	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 135,000</b>	<b>\$ 1,000,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	135,000	-	-	-
Construction	-	-	-	-	-	1,000,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 135,000</b>	<b>\$ 1,000,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	1,688	14,188	14,188
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,688</b>	<b>\$ 14,188</b>	<b>\$ 14,188</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.132323, -123.478982  
 PROJECT MANAGER: VINCENT MCINTYRE

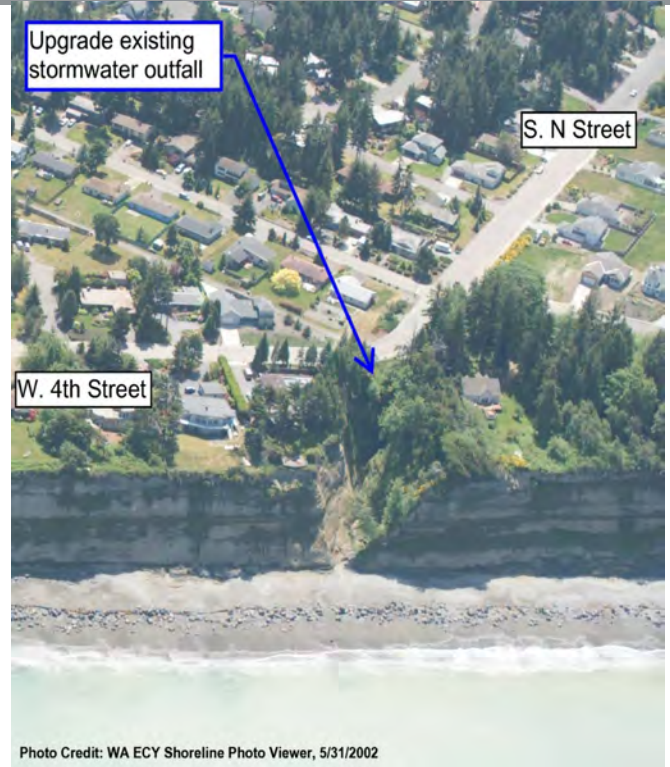
<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Approximately 400 acres of residentially zoned property contributes stormwater runoff to this outfall that currently discharges at the top of a marine bluff. This upgrade will include tightlining the existing outfall to the toe of the bluff, installing an engineered diffuser/dispersion tee, anchoring the tee and, where necessary, installing armoring and/or plantings to minimize further erosion. This project will also install an upstream structure to capture solids to prevent clogging of the downstream dispersion tee and facilitate future inspection and maintenance of the outfall.

**JUSTIFICATION:**

Upgrade historic outfall to current standards, minimize future localized erosion, allow access for monitoring and maintenance.



FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000	\$ 180,000	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 70,000</b>	<b>\$ 180,000</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	\$ 70,000	-	-
Construction	-	-	-	-	-	-	\$ 180,000	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 70,000</b>	<b>\$ 180,000</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	875	3,125
Other -Transfer to Street Project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 875</b>	<b>\$ 3,125</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.107408, -123.445146  
 PROJECT MANAGER: VINCENT MCINTYRE



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**  
 Design and construct stormwater system improvements through the intersection of Lincoln and Lauridsen with Highway 101, as well as other areas of flooding along Lauridsen and Highway 101.

**JUSTIFICATION:**  
 Stormwater that collects upstream of Highway 101 arrives at this area and the pipes are not large enough to properly carry the water. The water is also piped east to Peabody Creek rather than Valley Creek to the west. This is a City issue unrelated to runoff from Highway 101.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 500,000
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ 500,000</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	75,000	-
Construction	-	-	-	-	-	-	-	500,000
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ 500,000</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	938
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 938</b>

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



# OUTFALL TO CREEK IMPROVEMENT PROGRAM DR0219

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.116165, -123.446994  
 PROJECT MANAGER: VINCENT MCINTYRE



**Maintenance Cost Descriptions:**

Estimated life 80 years

**ABOUT THE PROJECT:**

Stormwater runoff within City limits is primarily collected and consolidated into stormwater trunk mains and discharges at engineered outfalls, however, in numerous locations along City creeks, minor stormwater flows from developed hardsurface areas that naturally slopes 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 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000	\$ 100,000
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 40,000</b>	<b>\$ 100,000</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	40,000	-
Construction	-	-	-	-	-	-	-	100,000
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 40,000</b>	<b>\$ 100,000</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	500
Other -Transfer to Street Project	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.1155294, -123.47487  
 PROJECT MANAGER: VINCENT MCINTYRE

<i>Maintenance Cost Descriptions:</i>
Estimated life 25 years

**ABOUT THE PROJECT:**

Design and implement a solution to flooding in the Big Boy Pond at Lincoln Park.

**JUSTIFICATION:**

Prevent flooding in the fairground and areas west of Stevens Middle School.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	100,000	-	-
Construction	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	4,000	4,000
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,000</b>	<b>\$ 4,000</b>

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



# STORMWATER UNFUNDED CAPITAL PROJECTS

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

## VALLEY CREEK CULVERT & OUTFALL

DR0112

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE:  
48.121783, -123.439159  
PROJECT MANAGER: VINCENT MCINTYRE

*Maintenance Cost Descriptions:*

**Estimated life 80 years**

**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. Estimated project cost \$800,000.



**JUSTIFICATION:**

The low elevation causes sand and gravel to collect in the culvert, which significantly reduces culvert capacity. We currently have to remove the debris manually, which was estimated to cost \$105,000 in 2012.



# EQUIPMENT SERVICES



# EQUIPMENT SERVICES CAPITAL FACILITY PLAN

CFP YEAR: 2020 - 2025  
 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	Budget	CAPITAL FACILITY PLAN					
	2019	2020	2021	2022	2023	2024	2025
Utilities	\$ 605,100	\$ 610,100	\$ 610,100	\$ 610,100	\$ 610,100	\$ 610,100	\$ 610,100
General Fund	198,700	399,000	409,000	419,000	429,000	439,000	449,000
Interest & Vehicles Sales	70,000	68,873	68,438	68,052	67,084	66,210	66,386
Internal Service Funds	2,000	2,000	2,000	2,000	2,000	2,000	2,000
<b>TOTAL</b>	<b>\$ 875,800</b>	<b>\$ 1,079,973</b>	<b>\$ 1,089,538</b>	<b>\$ 1,099,152</b>	<b>\$ 1,108,184</b>	<b>\$ 1,117,310</b>	<b>\$ 1,127,486</b>

EXPENDITURES	2019	2020	2021	2022	2023	2024	2025
Other Equipment/Generators	-	-	-	-	-	-	-
Purchase of Vehicles	1,147,400	1,263,800	642,500	1,073,422	1,199,500	1,346,161	1,232,000
<b>TOTAL</b>	<b>\$ 1,147,400</b>	<b>\$ 1,263,800</b>	<b>\$ 642,500</b>	<b>\$ 1,073,422</b>	<b>\$ 1,199,500</b>	<b>\$ 1,346,161</b>	<b>\$ 1,232,000</b>

MAINTENANCE	2019	2020	2021	2022	2023	2024	2025
Fuel	322,800	322,800	322,800	322,800	322,800	322,800	322,800
Parts & Repair	1,178,900	1,178,900	1,178,900	1,178,900	1,178,900	1,178,900	1,178,900
Equipment Rental	64,000	64,000	64,000	64,000	64,000	64,000	64,000
<b>TOTAL MAINTENANCE</b>	<b>\$ 1,565,700</b>	<b>\$ 1,565,700</b>	<b>\$ 1,565,700</b>	<b>\$ 1,565,700</b>	<b>\$ 1,565,700</b>	<b>\$ 1,565,700</b>	<b>\$ 1,565,700</b>

PROJECT EXPENDITURE LISTING BY YEAR EQUIPMENT SERVICES	Budget 2019	PROJECTED SPENDING					
		2020	2021	2022	2023	2024	2025
Finance	-	-	-	33,122	-	34,461	-
Community Development	-	-	-	-	-	-	-
Police	151,200	154,500	157,500	160,500	163,800	167,100	227,200
Fire & Medic 1	244,300	47,200	-	54,600	694,500	273,700	-
Parks & Recreation	91,000	-	80,100	30,800	92,900	42,500	90,800
Engineering	-	-	-	-	-	59,800	46,900
Light Operations	329,000	-	43,300	63,500	76,000	57,400	122,700
Water	42,600	212,200	39,000	-	140,800	41,400	-
Wastewater	62,400	-	-	-	31,500	-	36,900
Solid Waste	45,800	407,500	-	427,300	-	398,600	24,500
Stormwater	-	23,200	-	-	-	-	-
Conservation	-	-	-	-	-	-	-
Equipment Services	25,000	-	68,200	276,000	-	75,700	281,700
Information Technology	-	-	-	-	-	-	-
Streets	156,100	419,200	254,400	27,600	-	195,500	401,300
<b>TOTAL EXPENDITURES PROJECTED</b>	<b>1,147,400</b>	<b>1,263,800</b>	<b>642,500</b>	<b>1,073,422</b>	<b>1,199,500</b>	<b>1,346,161</b>	<b>1,232,000</b>

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

CASH FLOW ANALYSIS	Budget 2019	2020	2021	2022	2023	2024	2025
Beginning Cash Balance	4,274,153	4,002,553	3,818,726	4,265,764	4,291,494	4,200,178	3,971,327
Vehicle purchases	(1,147,400)	(1,263,800)	(642,500)	(1,073,422)	(1,199,500)	(1,346,161)	(1,232,000)
Funding sources:							
Utilities Reserves	605,100	610,100	610,100	610,100	610,100	610,100	610,100
General Fund	198,700	399,000	409,000	419,000	429,000	439,000	449,000
Sales, Interest & Grants	70,000	68,873	68,438	68,052	67,084	66,210	66,386
Internal Service Funds	2,000	2,000	2,000	2,000	2,000	2,000	2,000
<b>Ending Cash Balance</b>	<b>4,002,553</b>	<b>3,818,726</b>	<b>4,265,764</b>	<b>4,291,494</b>	<b>4,200,178</b>	<b>3,971,327</b>	<b>3,866,813</b>



# EQUIPMENT SERVICES REPLACEMENT LIST

2019		
DEPARTMENT/ VEHICLE	REPLACES	PROPOSED 2019
<b>***POLICE***</b>		
POLICE CRUISER	6104	50,400
POLICE CRUISER	911	50,400
POLICE CRUISER	1111	50,400
<b>*** FIRE DEPT ***</b>		
FORD AMBULANCE	6	173,300
GMC ENVOY	4201	35,500
FORD TAURUS SEDAN	5202	35,500
<b>***EQUIPMENT SERVICES***</b>		
PONTIAC VIBE	5425	25,000
<b>***WATER***</b>		
AIR COMPRESSOR	1776	26,000
Hydraulic Winch	Add on	16,600
<b>***WASTEWATER***</b>		
3500 TRUCK	1652	62,400
<b>***STREET***</b>		
6-8 YD DUMP TRUCK	1579	156,100
<b>***PARKS***</b>		
SAVANA VAN	4400	41,600
GMC SIERRA 3500 PU	4327	49,400
<b>***SOLID WASTE***</b>		
2500 W/LIFTGATE	4501	45,800
<b>***ELECTRIC***</b>		
Hyd Winch with Capstan	1650a	17,000
MANLIFT TRUCK	155	275,600
PICKUP TRUCK	6902	36,400
<b>Total</b>		<b>1,147,400</b>

2020		
DEPARTMENT/ VEHICLE	REPLACES	PROPOSED 2020
<b>***POLICE***</b>		
POLICE CRUISER	1411	51,500
POLICE CRUISER	4103	51,500
POLICE CRUISER	5107	51,500
<b>*** FIRE DEPT ***</b>		
GMC SIERRA 1500 4X4 PICK-UP	4200	47,200
<b>***WATER***</b>		
GMC 5-8 CY DUMP TRUCK	1782	212,200
<b>***STREET***</b>		
INGERSOL RAND COMPRESSOR	1598	26,500
FREIGHTLINER 5YD DUMP TRUCK	1603	318,400
GMC SIERRA 3500 SERVICE TRUCK	4701	74,300
<b>***STORMWATER***</b>		
SUCTION HOOD (VACTOR)		23,200
<b>***SOLID WASTE***</b>		
TOYOTA PRIUS	5802	39,300
GARBAGE TRUCK	1081	368,200
<b>Total</b>		<b>1,263,800</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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities	4520	\$ 5,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	1,500	1,785	1,791	1,407	1,646	1,317	1,592
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 6,500</b>	<b>\$ 11,785</b>	<b>\$ 11,791</b>	<b>\$ 11,407</b>	<b>\$ 11,646</b>	<b>\$ 11,317</b>	<b>\$ 11,592</b>

EXPENDITURES	2019	2020	2021	2022	2023	2024	2025
Other Equipment & Attachments	-	-	-	-	-	-	-
Planned Use of Reserves	-	-	-	33,122	-	34,461	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 33,122</b>	<b>\$ -</b>	<b>\$ 34,461</b>	<b>\$ -</b>

MAINTENANCE	EXPENSE OBJECT	2019	2020	2021	2022	2023	2024	2025
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	Replacement Cost	LIFE (IN YEARS)	2019	2020	2021	2022	2023	2024	2025
194	GMC SONOMA PICK-UP	1994	2022	30,000	28	-	-	-	33,122	-	-	-
4401	GMC CANYON PICK-UP	2004	2024	30,000	20	-	-	-	-	-	34,461	-
4402	GMC CANYON PICK-UP	2004	2029	30,000	25	-	-	-	-	-	-	-
				<b>\$ 90,000</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 33,122</b>	<b>\$ -</b>	<b>\$ 34,461</b>	<b>\$ -</b>

CASH FLOW	2019	2020	2021	2022	2023	2024	2025
<b>BEGINNING CASH</b>	<b>79,044</b>	<b>85,544</b>	<b>97,329</b>	<b>109,120</b>	<b>87,405</b>	<b>99,051</b>	<b>75,907</b>
Contributions	5,000	10,000	10,000	10,000	10,000	10,000	10,000
Interest & sale of vehicles	1,500	1,785	1,791	1,407	1,646	1,317	1,592
Reserves Used	-	-	-	(33,122)	-	(34,461)	-
<b>Projected year end Cash</b>	<b>85,544</b>	<b>97,329</b>	<b>109,120</b>	<b>87,405</b>	<b>99,051</b>	<b>75,907</b>	<b>87,499</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 - 4020-4030

## ABOUT THE PROJECT:

Replacement schedule and anticipated operating costs for the Building and Planning Department.

FUNDING SOURCES	EXPENSE OBJECT	BUDGET 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Utilities Transfer truck to Stormwater from CD	4520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund	4520	1,500	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Interest & Vehicles Sales	4520	1,050	1,180	1,121	1,184	1,286	1,466	1,602	
Internal Service Funds	4520	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 2,550</b>	<b>\$ 4,180</b>	<b>\$ 4,121</b>	<b>\$ 4,184</b>	<b>\$ 4,286</b>	<b>\$ 4,466</b>	<b>\$ 4,602</b>	

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

MAINTENANCE	EXPENSE OBJECT	2019	2020	2021	2022	2023	2024	2025
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)	2019	2020	2021	2022	2023	2024	2025
8451	FORD F150 Pick-up	2008	2028	32,000	20	-	-	-	-	-	-	-
7451	GMC Sierra 1500 4x4 Pick-up	2007	2027	32,000	20	-	-	-	-	-	-	-
				\$ 64,000		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

CASH FLOW	2019	2020	2021	2022	2023	2024	2025
<b>BEGINNING CASH</b>	<b>57,697</b>	<b>60,247</b>	<b>64,427</b>	<b>68,548</b>	<b>72,732</b>	<b>77,018</b>	<b>81,484</b>
Contributions	1,500	3,000	3,000	3,000	3,000	3,000	3,000
Interest & Sale of Vehicles	1,050	1,180	1,121	1,184	1,286	1,466	1,602
Reserves Used	-	-	-	-	-	-	-
<b>Projected year end Cash</b>	<b>60,247</b>	<b>64,427</b>	<b>68,548</b>	<b>72,732</b>	<b>77,018</b>	<b>81,484</b>	<b>86,086</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 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Utilities	4520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund	4520	62,400	125,000	135,000	145,000	155,000	165,000	175,000	
Interest & Vehicles Sales	395-XXXX	5,600	5,359	4,460	4,220	4,222	4,562	3,716	
Internal Service Funds/Grants	4520	-	-	-	-	-	-	-	
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 68,000</b>	<b>\$ 130,359</b>	<b>\$ 139,460</b>	<b>\$ 149,220</b>	<b>\$ 159,222</b>	<b>\$ 169,562</b>	<b>\$ 178,716</b>	

EXPENDITURES	2019	2020	2021	2022	2023	2024	2025
Other Equipment & Attachments	-	-	-	-	-	-	-
Replacement of Vehicles	151,200	154,500	157,500	160,500	163,800	167,100	227,200
<b>TOTAL</b>	<b>\$ 151,200</b>	<b>\$ 154,500</b>	<b>\$ 157,500</b>	<b>\$ 160,500</b>	<b>\$ 163,800</b>	<b>\$ 167,100</b>	<b>\$ 227,200</b>

MAINTENANCE	EXPENSE OBJECT	2019	2020	2021	2022	2023	2024	2025
Fuel	3210	59,000	59,000	59,000	59,000	59,000	59,000	59,000
Parts & Repair	4521	154,500	154,500	154,500	154,500	154,500	154,500	154,500
Equipment Rental	4533	2,700	2,700	2,700	2,700	2,700	2,700	2,700
<b>TOTAL MAINTENANCE</b>		<b>\$ 216,200</b>	<b>\$ 216,200</b>	<b>\$ 216,200</b>	<b>\$ 216,200</b>	<b>\$ 216,200</b>	<b>\$ 216,200</b>	<b>\$ 216,200</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle year	REPLACE	REPLACE COST	LIFE (IN YEARS)	2019	2020	2021	2022	2023	2024	2025
1710	DODGE CHARGER	2017	2028	48,500	11	-	-	-	-	-	-	-
910	FORD EXPEDITION SUV	2009	2021	48,500	12	-	-	52,500	-	-	-	-
911	FORD CROWN VICTORIA	2005	2021	48,500	16	-	-	52,500	-	-	-	-
913	DODGE CHARGER	2009	2025	48,500	16	-	-	-	-	-	-	56,800
1010	DODGE CHARGER	2010	2024	48,500	14	-	-	-	-	-	55,700	-
1011	DODGE CHARGER	2010	2024	48,500	14	-	-	-	-	-	55,700	-
1012	DODGE CHARGER	2010	2024	48,500	14	-	-	-	-	-	55,700	-
1110	DODGE CHARGER	2011	2022	48,500	11	-	-	53,500	-	-	-	-
1111	FORD CROWN VICTORIA	2005	2019	48,500	14	50,400	-	-	-	-	-	-
1112	FORD CROWN VICTORIA	2005	2019	48,500	14	50,400	-	-	-	-	-	-
1210	FORD CROWN VICTORIA	2007	2022	48,500	15	-	-	53,500	-	-	-	-
1211	FORD CROWN VICTORIA	2007	2021	48,500	14	-	-	52,500	-	-	-	-
1310	FORD CROWN VICTORIA	2007	2022	48,500	15	-	-	53,500	-	-	-	-
1311	CHEVROLET CAPRICE	2011	2023	48,500	12	-	-	-	-	54,600	-	-
1312	CHEVROLET CAPRICE	2011	2023	48,500	12	-	-	-	-	54,600	-	-
1313	DODGE CHARGER	2013	2025	48,500	12	-	-	-	-	-	-	56,800
1314	CHEVROLET TAHOE SUV	2014	2026	48,500	12	-	-	-	-	-	-	-
1410	DODGE CHARGER	2013	2025	48,500	12	-	-	-	-	-	-	56,800
1411	FORD CROWN VICTORIA	2005	2020	48,500	15	-	51,500	-	-	-	-	-
1412	DODGE CHARGER	2014	2025	48,500	11	-	-	-	-	-	-	56,800
1510	GMC TAHOE SUV	2014	2027	48,500	13	-	-	-	-	-	-	-
1511	DODGE CHARGER	2012	2026	48,500	14	-	-	-	-	-	-	-
1512	DODGE CHARGER	2011	2027	48,500	16	-	-	-	-	-	-	-
1513	DODGE CHARGER	2011	2027	48,500	16	-	-	-	-	-	-	-
1514	Radar Trailer	2009	2028	25,000	19	-	-	-	-	-	-	-
1612	DODGE CHARGER	2016	2028	48,500	12	-	-	-	-	-	-	-
1613	DODGE CHARGER	2016	2028	48,500	12	-	-	-	-	-	-	-
4103	FORD CROWN VICTORIA	2004	2020	48,500	16	-	51,500	-	-	-	-	-
5107	FORD CROWN VICTORIA	2005	2020	48,500	15	-	51,500	-	-	-	-	-
6101	CHEV COLORADO 4X4 VOLUNTE	2006	2023	48,500	17	-	-	-	-	54,600	-	-
6104	FORD CROWN VICTORIA	2007	2019	48,500	12	50,400	-	-	-	-	-	-
1813	DODGE CHARGER	2018	2030	48,500	12	-	-	-	-	-	-	-
1814	DODGE CHARGER	2018	2030	48,500	12	-	-	-	-	-	-	-
1815	DODGE CHARGER	2018	2030	48,500	12	-	-	-	-	-	-	-
	OPNET VEHICLE (no replacement)					-	-	-	-	-	-	-
				<b>\$ 1,625,500</b>		<b>\$ 151,200</b>	<b>\$ 154,500</b>	<b>\$ 157,500</b>	<b>\$ 160,500</b>	<b>\$ 163,800</b>	<b>\$ 167,100</b>	<b>\$ 227,200</b>

CASH FLOW	2019	2020	2021	2022	2023	2024	2025
BEGINNING CASH	402,930	319,730	295,589	277,549	266,269	261,691	264,153
CONTRIBUTIONS	62,400	125,000	135,000	145,000	155,000	165,000	175,000
Interest Earned	5,600	5,359	4,460	4,220	4,222	4,562	3,716
Use of replacement funds	(151,200)	(154,500)	(157,500)	(160,500)	(163,800)	(167,100)	(227,200)
<b>Projected year end Cash</b>	<b>319,730</b>	<b>295,589</b>	<b>277,549</b>	<b>266,269</b>	<b>261,691</b>	<b>264,153</b>	<b>215,669</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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities	4520	\$ 46,300	\$ 46,300	\$ 46,300	\$ 46,300	\$ 46,300	\$ 46,300	\$ 46,300
General Fund	4520	46,100	93,200	93,200	93,200	93,200	93,200	93,200
Interest & Vehicles Sales	4520	11,100	13,578	14,701	16,316	6,957	4,961	8,094
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 103,500</b>	<b>\$ 153,078</b>	<b>\$ 154,201</b>	<b>\$ 155,816</b>	<b>\$ 146,457</b>	<b>\$ 144,461</b>	<b>\$ 147,594</b>

EXPENDITURES								
Other Equipment & Attachments		-	-	-	-	-	-	-
Replacement of Vehicles		244,300	47,200	-	54,600	694,500	273,700	-
<b>TOTAL</b>		<b>\$ 244,300</b>	<b>\$ 47,200</b>	<b>\$ -</b>	<b>\$ 54,600</b>	<b>\$ 694,500</b>	<b>\$ 273,700</b>	<b>\$ -</b>

MAINTENANCE		EXPENSE OBJECT	2019	2020	2021	2022	2023	2024	2025
Fuel		3210	27,300	27,300	27,300	27,300	27,300	27,300	27,300
Parts & Repair		4521	93,000	93,000	93,000	93,000	93,000	93,000	93,000
Equipment Rental		4533	500	500	500	500	500	500	500
<b>TOTAL MAINTENANCE</b>			<b>\$ 120,800</b>	<b>\$ 120,800</b>	<b>\$ 120,800</b>	<b>\$ 120,800</b>	<b>\$ 120,800</b>	<b>\$ 120,800</b>	<b>\$ 120,800</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE	REPLACE COST	LIFE (IN YEARS)	2019	2020	2021	2022	2023	2024	2025
<b>FIRE DEPARTMENT</b>												
3	PIERCE PUMPER	1999	2023	450,000	24	-	-	-	-	694,500	-	-
4201	GMC ENVOY 4X4	2004	2019	30,000	15	35,500	-	-	-	-	-	-
4200	GMC SIERRA 1500 4X4 PICK-UP	2004	2020	38,000	16	-	47,200	-	-	-	-	-
5202	FORD TAURUS SEDAN	2005	2019	30,000	14	35,500	-	-	-	-	-	-
6201	PIERCE AERIAL/PUMPER	2006	2036	1,200,000	30	-	-	-	-	-	-	-
7203	GMC SIERRA 1500 4X4 PICK-UP	2007	2022	38,000	15	-	-	-	54,600	-	-	-
920	AIR TRUCK -do not replace	2009		165,000		-	-	-	-	-	-	-
1620	FORD F550 HME MINI PUMPER	2017	2041	300,000	24	-	-	-	-	-	-	-
1020	PIERCE FIRE PUMPER	2010	2034	450,000	24	-	-	-	-	-	-	-
<b>MEDIC 1</b>												
6	FORD AMBULANCE	2000	2018	165,000	18	173,300	-	-	-	-	-	-
1420	FORD AMBULANCE	2015	2033	165,000	18	-	-	-	-	-	-	-
7201	FORD E350 AMBULANCE	2006	2024	165,000	18	-	-	-	-	-	273,700	-
				<b>\$ 3,196,000</b>		<b>\$ 244,300</b>	<b>\$ 47,200</b>	<b>\$ -</b>	<b>\$ 54,600</b>	<b>\$ 694,500</b>	<b>\$ 273,700</b>	<b>\$ -</b>

CASH FLOW	2019	2020	2021	2022	2023	2024	2025
<b>BEGINNING CASH</b>	<b>770,833</b>	<b>630,033</b>	<b>735,911</b>	<b>890,112</b>	<b>991,328</b>	<b>443,285</b>	<b>314,046</b>
Contributions	92,400	139,500	139,500	139,500	139,500	139,500	139,500
Interest & Vehicle Sales	11,100	13,578	14,701	16,316	6,957	4,961	8,094
Reserves Used	(244,300)	(47,200)	-	(54,600)	(694,500)	(273,700)	-
<b>Projected year end Cash</b>	<b>630,033</b>	<b>735,911</b>	<b>890,112</b>	<b>991,328</b>	<b>443,285</b>	<b>314,046</b>	<b>461,640</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 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Utilities	4520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund	4520	31,700	63,700	63,700	63,700	63,700	63,700	63,700	63,700
Interest & Vehicles Sales	4520	1,350	2,612	2,080	2,648	2,229	2,831	2,415	2,415
Internal Service Funds	4520	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 33,050</b>	<b>\$ 66,312</b>	<b>\$ 65,780</b>	<b>\$ 66,348</b>	<b>\$ 65,929</b>	<b>\$ 66,531</b>	<b>\$ 66,115</b>	<b>\$ 66,115</b>

EXPENDITURES									
Other Equipment & Attachments		-	-	-	-	-	-	-	-
Replacement of Vehicles		91,000	-	80,100	30,800	92,900	42,500	90,800	
<b>TOTAL</b>		<b>\$ 91,000</b>	<b>\$ -</b>	<b>\$ 80,100</b>	<b>\$ 30,800</b>	<b>\$ 92,900</b>	<b>\$ 42,500</b>	<b>\$ 90,800</b>	<b>\$ 90,800</b>

MAINTENANCE									
	EXPENSE OBJECT	2019	2020	2021	2022	2023	2024	2025	
Fuel	3210	39,800	39,800	39,800	39,800	39,800	39,800	39,800	39,800
Parts & Repair	4521	133,000	133,000	133,000	133,000	133,000	133,000	133,000	133,000
Equipment Rental	4533	9,100	9,100	9,100	9,100	9,100	9,100	9,100	9,100
<b>TOTAL MAINTENANCE</b>		<b>\$ 181,900</b>	<b>\$ 181,900</b>	<b>\$ 181,900</b>	<b>\$ 181,900</b>	<b>\$ 181,900</b>	<b>\$ 181,900</b>	<b>\$ 181,900</b>	<b>\$ 181,900</b>

Maintenance items can vary substantially based on the cost of fuel and or parts.

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE	REPLACE COST	LIFE (IN YEARS)	2019	2020	2021	2022	2023	2024	2025
<b>SENIOR CENTER</b>												
1735	FORD E450 PASSENGER BUS	2018	2033	61,024	15	-	-	-	-	-	-	-
<b>CEMETERY</b>												
1230	GRASSHOPPER MOWER 725DR/37461	2012	2027	17,611	15	-	-	-	-	-	-	-
1235	ICB BACKHOE	2012	2037	105,000	25	-	-	-	-	-	-	-
1430	JOHN DEERE GATOR TS	2014	2029	10,404	15	-	-	-	-	-	-	-
1887	DODGE 1T TRUCK 4X4 W/SNOW BOSS	1999	2021	55,000	22	-	-	59,500	-	-	-	-
<b>PARKS OPERATIONS</b>												
181	TRAILER	1985	2025	2,500	40	-	-	-	-	-	-	2,900
182	TRAILER	1980	2015	2,500	35	-	-	-	-	-	-	-
183	SANI UTILITY TRAILER	1970	2005	2,500	35	-	-	-	-	-	-	-
1231	GROUNDMASTER MOWER 3280D	2012	2027	22,902	15	-	-	-	-	-	-	-
1232	GROUNDMASTER MOWER 3280D BLOW	2012	2027	28,035	15	-	-	-	-	-	-	-
1233	GROUNDMASTER MOWER 3280D	2012	2027	25,225	15	-	-	-	-	-	-	-
1234	JOHN DEERE FIELD RAKE	2012	2027	10,653	15	-	-	-	-	-	-	-
1330	GMC 1 TON FLATBED TRUCK	2013	2033	31,414	20	-	-	-	-	-	-	-
1331	FORD F450 FLATBED TRUCK	2014	2029	46,131	15	-	-	-	-	-	-	-
1431	TORO TURF SWEEPER	2014	2034	32,559	20	-	-	-	-	-	-	-
1531	JOHN DEERE FIELD RAKE	2015	2030	13,473	15	-	-	-	-	-	-	-
1630	GMC SILVERADO 2500	2017	2037	29,146	20	-	-	-	-	-	-	-
1631	FORD F450 VERSALIFT MANLIFT	2016	2036	93,223	20	-	-	-	-	-	-	-
1734	FORD F250 PICK-UP	2017	2037	17,795	20	-	-	-	-	-	-	-
1888	GRASSHOPPER MOWER	2001	2021	19,000	20	-	-	20,600	-	-	-	-
1890	UNIVERSAL EQUIPMENT TRAILER (SM)	1994	2034	-	40	-	-	-	-	-	-	-
4327	GMC SIERRA 3500 FLAT BED	2004	2019	47,500	15	49,400	-	-	-	-	-	-
4328	GMC SIERRA 3500 FLAT BED	2004	2023	47,500	19	-	-	-	-	53,500	-	-
4700	GMC SIERRA 1500 4X4	2004	2024	37,000	20	-	-	-	-	-	42,500	-
5330	KUBOTA TRACTOR	2005	2025	35,000	20	-	-	-	-	-	-	41,000
5333	10000# TRAILER	2005	2030	3,500	25	-	-	-	-	-	-	-
5335	FORD F450 w/DUMP	2006	2026	80,000	20	-	-	-	-	-	-	-
6321	JOHN DEERE GATOR TS	2006	2026	6,054	20	-	-	-	-	-	-	-
6323	GMC SIERRA 2500 PICK-UP	2006	2023	35,000	17	-	-	-	-	39,400	-	-
6324	FORD F450 w/DUMP	2007	2027	35,583	20	-	-	-	-	-	-	-
6325	PAINT SPRAYER- WALK BEHIND	2006	2026	2,980	20	-	-	-	-	-	-	-
6451	FORD F250 PICK-UP	2007	2027	40,000	20	-	-	-	-	-	-	-
7321	TORO AERATOR W/TINES	2007	2022	27,919	15	-	-	-	30,800	-	-	-
1730	JOHN DEERE FIELD RAKE	2017	2032	40,000	15	-	-	-	-	-	-	-
1836	TORO 4000D MOWER	2018	2028	75,000	10	-	-	-	-	-	-	-
7322	TOP DRESSER	2007	2027	21,918	20	-	-	-	-	-	-	-
8321	EAGLE 6X10 TRAILER	2008	2043	2,500	35	-	-	-	-	-	-	-
1830	KUBOTA L4064HST TRACTOR	2018	2038	45,000	20	-	-	-	-	-	-	-
1837	GMC SAVANNA 2500 VAN	2018	2038	40,000	20	-	-	-	-	-	-	-
<b>FACILITIES</b>												
5332	GMC SAVANA VAN	2005	2025	40,000	20	-	-	-	-	-	-	46,900
4400	GMC SAVANA VAN	2004	2019	40,000	15	41,600	-	-	-	-	-	-
4326	SCISSOR LIFT (VERN BURTON)	2004	2034	10,245	30	-	-	-	-	-	-	-
				<b>\$ 1,338,794</b>		<b>\$ 91,000</b>	<b>\$ -</b>	<b>\$ 80,100</b>	<b>\$ 30,800</b>	<b>\$ 92,900</b>	<b>\$ 42,500</b>	<b>\$ 90,800</b>

CASH FLOW							
	2019	2020	2021	2022	2023	2024	2025
<b>BEGINNING CASH</b>	<b>134,838</b>	<b>76,888</b>	<b>143,200</b>	<b>128,880</b>	<b>164,428</b>	<b>137,457</b>	<b>161,488</b>
Contributions	31,700	63,700	63,700	63,700	63,700	63,700	63,700
Interest & sale of vehicles	1,350	2,612	2,080	2,648	2,229	2,831	2,415
Reserves Used	(91,000)	-	(80,100)	(30,800)	(92,900)	(42,500)	(90,800)
<b>Projected year end Cash</b>	<b>76,888</b>	<b>143,200</b>	<b>128,880</b>	<b>164,428</b>	<b>137,457</b>	<b>161,488</b>	<b>136,803</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 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Utilities	4520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund	4520	2,000	4,100	4,100	4,100	4,100	4,100	4,100	4,100
Interest & Vehicles Sales	4520	1,275	1,444	1,373	1,449	1,574	643	-	-
Internal Service Funds	4520	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 3,275</b>	<b>\$ 5,544</b>	<b>\$ 5,473</b>	<b>\$ 5,549</b>	<b>\$ 5,674</b>	<b>\$ 4,743</b>	<b>\$ 4,100</b>	

EXPENDITURES								
Other Equipment		-	-	-	-	-	-	-
Replacement of Vehicles		-	-	-	-	-	59,800	46,900
<b>TOTAL</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 59,800</b>	<b>\$ 46,900</b>

MAINTENANCE	EXPENSE OBJECT	2019	2020	2021	2022	2023	2024	2025
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	1,800	1,800	1,800	1,800	1,800	1,800	1,800
<b>TOTAL MAINTENANCE</b>		<b>\$ 10,400</b>	<b>\$ 10,400</b>	<b>\$ 10,400</b>	<b>\$ 10,400</b>	<b>\$ 10,400</b>	<b>\$ 10,400</b>	<b>\$ 10,400</b>

Maintenance items can vary substantially based on the cost of fuel and or parts.

#	REPLACEMENT DETAIL		REPLACE	Replacement Cost	LIFE (IN YEARS)	2019	2020	2021	2022	2023	2024	2025
4300	GMC SIERRA Pick-up	2004	2024	26,000	20	-	-	-	-	-	29,900	-
4301	GMC SIERRA Pick-up	2004	2024	26,000	20	-	-	-	-	-	29,900	-
5302	GMC SAVANA VAN	2005	2025	40,000	20	-	-	-	-	-	-	46,900
				<b>\$ 92,000</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 59,800</b>	<b>\$ 46,900</b>

CASH FLOW	2019	2020	2021	2022	2023	2024	2025
<b>BEGINNING CASH</b>	<b>70,787</b>	<b>74,062</b>	<b>79,606</b>	<b>85,079</b>	<b>90,628</b>	<b>96,302</b>	<b>41,245</b>
Contributions	2,000	4,100	4,100	4,100	4,100	4,100	4,100
Interest & Vehicle Sales	1,275	1,444	1,373	1,449	1,574	643	-
Reserves Used	-	-	-	-	-	(59,800)	(46,900)
<b>Projected year end Cash</b>	<b>74,062</b>	<b>79,606</b>	<b>85,079</b>	<b>90,628</b>	<b>96,302</b>	<b>41,245</b>	<b>(1,555)</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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities	4520	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	1,025	3,398	4,431	5,468	6,490	8,290	8,676
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 126,025</b>	<b>\$ 128,398</b>	<b>\$ 129,431</b>	<b>\$ 130,468</b>	<b>\$ 131,490</b>	<b>\$ 133,290</b>	<b>\$ 133,676</b>

EXPENDITURES								
Other Equipment		-	-	-	-	-	-	-
Replacement of Vehicles		329,000	-	43,300	63,500	76,000	57,400	122,700
<b>TOTAL</b>		<b>\$ 329,000</b>	<b>\$ -</b>	<b>\$ 43,300</b>	<b>\$ 63,500</b>	<b>\$ 76,000</b>	<b>\$ 57,400</b>	<b>\$ 122,700</b>

MAINTENANCE	EXPENSE OBJECT	2019	2020	2021	2022	2023	2024	2025
Fuel	3210	33,600	33,600	33,600	33,600	33,600	33,600	33,600
Parts & Repair	4521	151,900	151,900	151,900	151,900	151,900	151,900	151,900
Equipment Rental	4533	7,900	7,900	7,900	7,900	7,900	7,900	7,900
<b>TOTAL MAINTENANCE</b>		<b>\$ 193,400</b>	<b>\$ 193,400</b>	<b>\$ 193,400</b>	<b>\$ 193,400</b>	<b>\$ 193,400</b>	<b>\$ 193,400</b>	<b>\$ 193,400</b>

Maintenance items can vary substantially based on the cost of fuel and or parts.

#	REPLACEMENT DETAIL	Vehicle Year	REPLACE	REPLACE PRICE	LIFE (IN YEARS)	2019	2020	2021	2022	2023	2024	2025
140	SINGLE REEL TRAILER	2000	2025	25,000	25	-	-	-	-	-	-	29,300
148	CATERPILLAR FORKLIFT	1987	2022	30,000	35	-	-	-	33,100	-	-	-
155	FREIGHTLINER/VERSALIFT MANLIFT TRUCK	1999	2019	265,000	20	275,600	-	-	-	-	-	-
158	BRUSH CHIPPER	2000	2025	29,741	25	-	-	-	-	-	-	34,800
159	BUTLER 3-REEL WIRE TRAILER	1989	2029	17,501	40	-	-	-	-	-	-	-
160	TENSIONER	1991	2026	25,000	35	-	-	-	-	-	-	-
950	FORD F450 UTILITY TRUCK	2009	2027	65,000	18	-	-	-	-	-	-	-
951	REEL TRAILER	2009	2034	8,500	25	-	-	-	-	-	-	-
1150	FREIGHTLINER DIGGER DERRICK	2011	2036	275,000	25	-	-	-	-	-	-	-
1151	FREIGHTLINER TEREX MANLIFT	2011	2036	265,000	25	-	-	-	-	-	-	-
1350	FORD F550 4X4 W/DUMP BED	2013	2038	80,000	25	-	-	-	-	-	-	-
1351	CHEV EXPRESS 2500 4X4 VAN	2014	2029	45,000	15	-	-	-	-	-	-	-
1352	FORD F550 4X4 VERSALIFT MANLIFT	2014	2034	150,000	20	-	-	-	-	-	-	-
1450	GMC FLATBED 1 TON 4X4	2015	2035	51,126	20	-	-	-	-	-	-	-
1550	FREIGHTLINER TEREX MANLIFT	2016	2041	265,300	25	-	-	-	-	-	-	-
1650	Ford F450 flatbed	2017	2037	66,295	20	-	-	-	-	-	-	-
1650a	Hyd Winch with Capstan	2018	2038	17,000	20	17,000	-	-	-	-	-	-
4900	GMC SAVANA VAN	2004	2023	40,000	19	-	-	-	-	45,000	-	-
4901	TOYOTA FORKLIFT	2004	2024	50,000	20	-	-	-	-	-	57,400	-
4902	POLELIFT TRAILER	2004	2029	7,000	25	-	-	-	-	-	-	-
5427	SIDEWALK SWEEPER	2004	2029	-	25	-	-	-	-	-	-	-
5903	BOBCAT EXCAVATOR	2005	2025	50,000	20	-	-	-	-	-	-	58,600
5904	SMALL TRAILER	2005	2030	5,000	25	-	-	-	-	-	-	-
6901	GMC SAVANA VAN	2006	2021	40,000	15	-	-	43,300	-	-	-	-
6902	CHEVY SILVERADO 1500 4X4 PICK-UP	2006	2019	35,000	13	36,400	-	-	-	-	-	-
1750	FORD F450 SERVICE TRUCK	2017	2032	63,000	15	-	-	-	-	-	-	-
1753	FREIGHTLINER KNUCKLEBOOM TRUCK	2018	2043	193,000	25	-	-	-	-	-	-	-
	<b>ELECTRIC ENGINEERS</b>											
133	CHEVY BLAZER	2004	2022	27,500	18	-	-	-	30,400	-	-	-
135	CHEVY BLAZER	2004	2023	27,500	19	-	-	-	-	31,000	-	-
				<b>\$ 2,218,463</b>		<b>\$ 329,000</b>	<b>\$ -</b>	<b>\$ 43,300</b>	<b>\$ 63,500</b>	<b>\$ 76,000</b>	<b>\$ 57,400</b>	<b>\$ 122,700</b>

CASH FLOW	2019	2020	2021	2022	2023	2024	2025
<b>BEGINNING CASH</b>	<b>261,106</b>	<b>58,131</b>	<b>186,529</b>	<b>272,660</b>	<b>339,628</b>	<b>395,118</b>	<b>471,008</b>
Contributions	125,000	125,000	125,000	125,000	125,000	125,000	125,000
Interest & Vehicle Sales	1,025	3,398	4,431	5,468	6,490	8,290	8,676
Reserves Used	(329,000)	-	(43,300)	(63,500)	(76,000)	(57,400)	(122,700)
<b>Projected year end Cash</b>	<b>58,131</b>	<b>186,529</b>	<b>272,660</b>	<b>339,628</b>	<b>395,118</b>	<b>471,008</b>	<b>481,984</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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities	4520	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	8,800	6,443	6,152	7,154	5,976	6,797	8,216
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 68,800</b>	<b>\$ 66,443</b>	<b>\$ 66,152</b>	<b>\$ 67,154</b>	<b>\$ 65,976</b>	<b>\$ 66,797</b>	<b>\$ 68,216</b>

EXPENDITURES								
Other Equipment		-	-	-	-	-	-	-
Replacement of Vehicles		42,600	212,200	39,000	-	140,800	41,400	-
<b>TOTAL</b>		<b>\$ 42,600</b>	<b>\$ 212,200</b>	<b>\$ 39,000</b>	<b>\$ -</b>	<b>\$ 140,800</b>	<b>\$ 41,400</b>	<b>\$ -</b>

MAINTENANCE	EXPENSE OBJECT	2019	2020	2021	2022	2023	2024	2025
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	3,700	3,700	3,700	3,700	3,700	3,700	3,700
<b>TOTAL MAINTENANCE</b>		<b>\$ 81,200</b>	<b>\$ 81,200</b>	<b>\$ 81,200</b>	<b>\$ 81,200</b>	<b>\$ 81,200</b>	<b>\$ 81,200</b>	<b>\$ 81,200</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

REPLACEMENT DETAIL	Vehicle Year	REPLACE	REPLACE PRICE	LIFE (IN YEARS)	2019	2020	2021	2022	2023	2024	2025	
360	GENERATOR TRAILER MOUNTED	2003	2033	50,000	30	-	-	-	-	-	-	
1060	GENIE PERSONAL LIFT (WTP)	2010	2040	12,000	30	-	-	-	-	-	-	
1260	FORD F450 SERVIE TRUCK	2012	2029	65,000	17	-	-	-	-	-	-	
1360	STL TRUCK FLATBED W/CRANE	2005	2030	-	25	-	-	-	-	-	-	
1460	GMC SIERRA 1500 4X4 PICK-UP	2014	2026	28,000	12	-	-	-	-	-	-	
1756	JOHN DEERE BACKHOE LOADER	1991	2023	125,000	32	-	-	-	140,800	-	-	
1761	APTECH GENERATOR	1997	2027	65,000	30	-	-	-	-	-	-	
1776	AIR COMPRESSOR	1985	2019	25,000	34	26,000	-	-	-	-	-	
1782	GMC 5-8 CY DUMP TRUCK	1993	2020	200,000	27	-	212,200	-	-	-	-	
4329	YAMAHA	2004	2034	5,500	30	-	-	-	-	-	-	
5704	FORD F550 DUMP	2006	2026	80,000	20	-	-	-	-	-	-	
5705	FORD F550 SERVICE TRUCK	2006	2026	65,000	20	-	-	-	-	-	-	
6322	GMC CANYON PICK-UP	2006	2026	36,000	20	-	-	-	-	-	-	
6701	GMC CANYON PICK-UP	2006	2024	36,000	18	-	-	-	-	41,400	-	
6702	GMC CANYON PICK-UP	2006	2021	36,000	15	-	-	39,000	-	-	-	
NEW	HYDRAULIC WINCH (ON #1260)		2019	16,000	15	16,600	-	-	-	-	-	
1241	50% VACTOR TRUCK	2012	2027	260,000	15	-	-	-	-	-	-	
7452	GMC SONOMA PICK-UP	2007	7472	27,000	20	-	-	-	-	-	-	
1862	SMALL EQ TRAILER	2017	2047	3,000	30	-	-	-	-	-	-	
1863	SMALL EQ GATOR	2018	2033	11,000	15	-	-	-	-	-	-	
				<b>\$ 1,145,500</b>		<b>\$ 42,600</b>	<b>\$ 212,200</b>	<b>\$ 39,000</b>	<b>\$ -</b>	<b>\$ 140,800</b>	<b>\$ 41,400</b>	<b>\$ -</b>

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

CASH FLOW	2019	2020	2021	2022	2023	2024	2025
<b>BEGINNING CASH</b>	<b>481,605</b>	<b>507,805</b>	<b>362,048</b>	<b>389,200</b>	<b>456,354</b>	<b>381,530</b>	<b>406,927</b>
Contributions	60,000	60,000	60,000	60,000	60,000	60,000	60,000
Interest & Vehicle Sales	8,800	6,443	6,152	7,154	5,976	6,797	8,216
Reserves Used	(42,600)	(212,200)	(39,000)	-	(140,800)	(41,400)	-
<b>Projected year end Cash</b>	<b>507,805</b>	<b>362,048</b>	<b>389,200</b>	<b>456,354</b>	<b>381,530</b>	<b>406,927</b>	<b>475,143</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 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Utilities	4520	\$ 57,000	\$ 57,000	\$ 57,000	\$ 57,000	\$ 57,000	\$ 57,000	\$ 57,000	\$ 57,000
General Fund	4520	-	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	1,850	3,007	3,653	4,593	5,158	6,602	7,220	
Internal Service Funds	4520	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 58,850</b>	<b>\$ 60,007</b>	<b>\$ 60,653</b>	<b>\$ 61,593</b>	<b>\$ 62,158</b>	<b>\$ 63,602</b>	<b>\$ 64,220</b>	

EXPENDITURES									
Other Equipment		-	-	-	-	-	-	-	-
Replacement of Vehicles		62,400	-	-	-	31,500	-	-	36,900
<b>TOTAL</b>		<b>\$ 62,400</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 31,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 36,900</b>

MAINTENANCE	EXPENSE OBJECT	2019	2020	2021	2022	2023	2024	2025
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	REPLACE PRICE	LIFE (IN YEARS)	2019	2020	2021	2022	2023	2024	2025
1077	GORMAN PUMP	2003	2028	20,000	25	-	-	-	-	-	-	-
1370	TAYLOR DUNN CART (WWTP)	2013	2038	13,000	25	-	-	-	-	-	-	-
1571	PETERBILT ROLLOFF TRUCK	2015	2035	255,000	20	-	-	-	-	-	-	-
1600	CUMMINS 60KW GENERATOR	2002	2032	50,000	30	-	-	-	-	-	-	-
1616	FORD F350 SERVICE TRUCK	2002	2027	65,000	25	-	-	-	-	-	-	-
1770	KW T880 VACTOR TRUCK	2017	2037	498,869	20	-	-	-	-	-	-	-
1652	DODGE 3500 SERVICE TRUCK	2001	2019	60,000	18	62,400	-	-	-	-	-	-
4600	GMC SIERRA 1500 4X4 PICK-UP	2004	2023	28,000	19	-	-	-	-	31,500	-	-
5601	TV VAN W/ SPECIAL EQUIP	2005	2030	40,000	25	-	-	-	-	-	-	-
5601A	COMPUTER FOR TV VAN	2016	2026	11,100	10	-	-	-	-	-	-	-
5703	GMC SIERRA 1500 4X4 PICK-UP	2005	2025	31,500	20	-	-	-	-	-	-	36,900
6601	GODWIN HS100GP PUMP	2006	2036	28,000	30	-	-	-	-	-	-	-
7601	GMC CANYON CREW CAB 4X4 PICK-UP	2007	2027	37,000	20	-	-	-	-	-	-	-
				<b>\$ 1,137,469</b>		<b>\$ 62,400</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 31,500</b>	<b>\$ -</b>	<b>\$ 36,900</b>

CASH FLOW	2019	2020	2021	2022	2023	2024	2025
<b>BEGINNING CASH</b>	<b>110,914</b>	<b>107,364</b>	<b>167,371</b>	<b>228,024</b>	<b>289,617</b>	<b>320,275</b>	<b>383,877</b>
Contributions	57,000	57,000	57,000	57,000	57,000	57,000	57,000
Interest & Vehicle Sales	1,850	3,007	3,653	4,593	5,158	6,602	7,220
Reserves Used	(62,400)	-	-	-	(31,500)	-	(36,900)
<b>Projected year end Cash</b>	<b>107,364</b>	<b>167,371</b>	<b>228,024</b>	<b>289,617</b>	<b>320,275</b>	<b>383,877</b>	<b>411,197</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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities	4520	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	9,600	5,334	7,284	2,671	5,293	1,146	3,554
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 159,600</b>	<b>\$ 155,334</b>	<b>\$ 157,284</b>	<b>\$ 152,671</b>	<b>\$ 155,293</b>	<b>\$ 151,146</b>	<b>\$ 153,554</b>

EXPENDITURES								
Other Equipment		-	-	-	-	-	-	-
Replacement of Vehicles		45,800	407,500	-	427,300	-	398,600	24,500
<b>TOTAL</b>		<b>\$ 45,800</b>	<b>\$ 407,500</b>	<b>\$ -</b>	<b>\$ 427,300</b>	<b>\$ -</b>	<b>\$ 398,600</b>	<b>\$ 24,500</b>

MAINTENANCE	EXPENSE OBJECT	2019	2020	2021	2022	2023	2024	2025
Fuel	3210	61,200	61,200	61,200	61,200	61,200	61,200	61,200
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>\$ 290,600</b>	<b>\$ 290,600</b>	<b>\$ 290,600</b>	<b>\$ 290,600</b>	<b>\$ 290,600</b>	<b>\$ 290,600</b>	<b>\$ 290,600</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle year	REPLACE	REPLACE PRICE	LIFE (IN YEARS)	2019	2020	2021	2022	2023	2024	2025
1480	CAT LOADER	2006	2026	87,398	20	-	-	-	-	-	-	-
1896	KUBOTA MOWER	2000	2025	20,898	25	-	-	-	-	-	-	24,500
5802	TOYOTA PRIUS	2005	2020	37,000	15	-	39,300	-	-	-	-	-
1080	GARBAGE TRUCK	2010	2022	347,000	12	-	-	-	383,100	-	-	-
1081	GARBAGE TRUCK	2010	2020	347,000	10	-	368,200	-	-	-	-	-
1580	GARBAGE TRUCK	2015	2024	347,000	9	-	-	-	-	-	398,600	-
1945	FORD RANGER PICKUP	2002	2022	40,000	20	-	-	-	44,200	-	-	-
4501	GMC SIERRA 2500 w/Liftgate	2004	2019	44,000	15	45,800	-	-	-	-	-	-
1680	PETERBILT GARBAGE	2016	2026	347,000	10	-	-	-	-	-	-	-
1880	KUBOTA ATV	2018	2038	17,000	20	-	-	-	-	-	-	-
1881	PETERBUILT TRUCK	2018	2028	347,000	10	-	-	-	-	-	-	-
				<b>\$ 1,981,296</b>		<b>\$ 45,800</b>	<b>\$ 407,500</b>	<b>\$ -</b>	<b>\$ 427,300</b>	<b>\$ -</b>	<b>\$ 398,600</b>	<b>\$ 24,500</b>

CASH FLOW	2019	2020	2021	2022	2023	2024	2025
<b>BEGINNING CASH</b>	<b>441,939</b>	<b>555,739</b>	<b>303,573</b>	<b>460,857</b>	<b>186,228</b>	<b>341,521</b>	<b>94,067</b>
Contributions	150,000	150,000	150,000	150,000	150,000	150,000	150,000
Interest & Vehicle Sales	9,600	5,334	7,284	2,671	5,293	1,146	3,554
Reserves Used	(45,800)	(407,500)	-	(427,300)	-	(398,600)	(24,500)
<b>Projected year end Cash</b>	<b>555,739</b>	<b>303,573</b>	<b>460,857</b>	<b>186,228</b>	<b>341,521</b>	<b>94,067</b>	<b>223,121</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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities	4520	\$ 95,000	\$ 95,000	\$ 95,000	\$ 95,000	\$ 95,000	\$ 95,000	\$ 95,000
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	4,100	5,611	6,606	8,146	9,956	12,411	14,586
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 99,100</b>	<b>\$ 100,611</b>	<b>\$ 101,606</b>	<b>\$ 103,146</b>	<b>\$ 104,956</b>	<b>\$ 107,411</b>	<b>\$ 109,586</b>

EXPENDITURES								
Other Equipment	-	-	-	-	-	-	-	-
Replacement of Vehicles	-	23,200	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 23,200</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

MAINTENANCE	EXPENSE OBJECT	2019	2020	2021	2022	2023	2024	2025
Fuel	3210	9,500	9,500	9,500	9,500	9,500	9,500	9,500
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>\$ 110,000</b>	<b>\$ 110,000</b>	<b>\$ 110,000</b>	<b>\$ 110,000</b>	<b>\$ 110,000</b>	<b>\$ 110,000</b>	<b>\$ 110,000</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

#	REPLACEMENT DETAIL	Vehicle year	REPLACE	REPLACE PRICE	LIFE (IN YEARS)	2019	2020	2021	2022	2023	2024	2025
5504	FORD F450 - BOX	2006	2026	65,000	20	-	-	-	-	-	-	-
1240	FREIGHTLINER AIR SWEEPER	2012	2032	224,834	20	-	-	-	-	-	-	-
1241	VACTOR TRUCK 50%	2012	2027	260,000	15	-	-	-	-	-	-	-
1540	ELGIN SWEEPER	2015	2035	110,183	20	-	-	-	-	-	-	-
	SUCTION HOOD (VACTOR)		2020	20,000	15	-	23,200	-	-	-	-	-
1762	SMALL EQ TRAILER	1995	2015	110,183	20	-	-	-	-	-	-	-
				<b>\$ 790,201</b>		<b>\$ -</b>	<b>\$ 23,200</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

CASH FLOW	2019	2020	2021	2022	2023	2024	2025
<b>BEGINNING CASH</b>	<b>138,057</b>	<b>237,157</b>	<b>314,568</b>	<b>416,174</b>	<b>519,320</b>	<b>624,276</b>	<b>731,687</b>
Contributions	95,000	95,000	95,000	95,000	95,000	95,000	95,000
Interest & Vehicle Sales	4,100	5,611	6,606	8,146	9,956	12,411	14,586
Reserves Used	-	(23,200)	-	-	-	-	-
<b>Projected year end Cash</b>	<b>237,157</b>	<b>314,568</b>	<b>416,174</b>	<b>519,320</b>	<b>624,276</b>	<b>731,687</b>	<b>841,273</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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities	4520	\$ 2,800	\$ 2,800	\$ 2,800	\$ 2,800	\$ 2,800	\$ 2,800	\$ 2,800
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	375	440	440	484	541	629	698
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>18080</b>	<b>\$ 3,175</b>	<b>\$ 3,240</b>	<b>\$ 3,240</b>	<b>\$ 3,284</b>	<b>\$ 3,341</b>	<b>\$ 3,429</b>	<b>\$ 3,498</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	2019	2020	2021	2022	2023	2024	2025
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	REPLACE PRICE	LIFE (IN YEARS)	2019	2020	2021	2022	2023	2024	2025
6301	GMC SAVANA Van	2006	2026	35,000	20	-	-	-	-	-	-	-
				<b>\$ 35,000</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

CASH FLOW	2019	2020	2021	2022	2023	2024	2025
<b>BEGINNING CASH</b>	<b>18,412</b>	<b>21,587</b>	<b>24,827</b>	<b>28,067</b>	<b>31,351</b>	<b>34,692</b>	<b>38,121</b>
Contributions	2,800	2,800	2,800	2,800	2,800	2,800	2,800
Interest & Vehicle Sales	375	440	440	484	541	629	698
Reserves Used	-	-	-	-	-	-	-
<b>Projected year end Cash</b>	<b>21,587</b>	<b>24,827</b>	<b>28,067</b>	<b>31,351</b>	<b>34,692</b>	<b>38,121</b>	<b>41,619</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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities Rental of vehicles	4520	\$ 64,000	\$ 64,000	\$ 64,000	\$ 64,000	\$ 64,000	\$ 64,000	\$ 64,000
General Fund Rental of vehicles	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	395-xxxx	5,300	6,352	5,624	2,124	3,243	3,259	-
Internal Service Funds	4520	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 69,300</b>	<b>\$ 70,352</b>	<b>\$ 69,624</b>	<b>\$ 66,124</b>	<b>\$ 67,243</b>	<b>\$ 67,259</b>	<b>\$ 64,000</b>

EXPENDITURES								
Other Equipment		-	-	-	-	-	-	-
Replacement of Vehicles		25,000	-	68,200	276,000	-	75,700	281,700
<b>TOTAL</b>		<b>\$ 25,000</b>	<b>\$ -</b>	<b>\$ 68,200</b>	<b>\$ 276,000</b>	<b>\$ -</b>	<b>\$ 75,700</b>	<b>\$ 281,700</b>

MAINTENANCE	EXPENSE OBJECT	2019	2020	2021	2022	2023	2024	2025
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	PURCHASE PRICE	LIFE (IN YEARS)	2019	2020	2021	2022	2023	2024	2025
NEW Corp Fuel Pump and Fuel Line	2018	2038	28,200	20	-	-	-	-	-	-	-
15 GMC S10 4x4 Pick-up	1995	2024	32,000	29	-	-	-	-	-	36,800	-
1246 DODGE 1 TON w/SER BODY	1999	2022	75,000	23	-	-	-	82,800	-	-	-
1247 CAT FORK LIFT V50D	1991	2021	28,000	30	-	-	30,300	-	-	-	-
1248 LINCOLN/WELDER	1994	2024	6,894	30	-	-	-	-	-	7,900	-
1490 HYUNDAI SEDAN	2014	2024	27,000	10	-	-	-	-	-	31,000	-
1569 CATERPILLAR WHL LOADER	1988	2022	175,000	34	-	-	-	193,200	-	-	-
1570 CASE LOADER BACKHOE	1995	2025	85,000	30	-	-	-	-	-	-	99,600
1581 10 YD DUMP TRUCK	1995	2025	150,000	30	-	-	-	-	-	-	175,700
1762 WELLS SMALL TRAILER	1995	2025	5,500	30	-	-	-	-	-	-	6,400
5425 PONTIAC VIBE	2004	2018	38,000	14	25,000	-	-	-	-	-	-
5602 DODGE CARAVAN	2006	2021	35,000	15	-	-	37,900	-	-	-	-
7421 SELMA TRAILER	2007	2032	10,000	25	-	-	-	-	-	-	-
NEW VENTILATION SYSTEM	2017	2037	30,000	20	-	-	-	-	-	-	-
1690 GENERATOR	2016	2041	50,000	25	-	-	-	-	-	-	-
1891 HYUNDAI SEDAN	2019	2029	25,000	10	-	-	-	-	-	-	-
Miller Dimension 452 Welder	2018	2033	10,995	15	-	-	-	-	-	-	-
			<b>\$ 811,589</b>		<b>\$ 25,000</b>	<b>\$ -</b>	<b>\$ 68,200</b>	<b>\$ 276,000</b>	<b>\$ -</b>	<b>\$ 75,700</b>	<b>\$ 281,700</b>

CASH FLOW	2019	2020	2021	2022	2023	2024	2025
<b>BEGINNING CASH</b>	<b>242,101</b>	<b>286,401</b>	<b>356,753</b>	<b>358,177</b>	<b>148,301</b>	<b>215,544</b>	<b>207,103</b>
Rental income	64,000	64,000	64,000	64,000	64,000	64,000	64,000
Interest & Vehicle Sales	5,300	6,352	5,624	2,124	3,243	3,259	-
Reserves Used	(25,000)	-	(68,200)	(276,000)	-	(75,700)	(281,700)
<b>Projected year end Cash</b>	<b>286,401</b>	<b>356,753</b>	<b>358,177</b>	<b>148,301</b>	<b>215,544</b>	<b>207,103</b>	<b>(10,597)</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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities	4520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund	4520	-	-	-	-	-	-	-
Interest & Vehicles Sales	4520	475	538	524	563	619	-	31
Internal Service Funds	4520	2,000	2,000	2,000	2,000	2,000	2,000	2,000
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 2,475</b>	<b>\$ 2,538</b>	<b>\$ 2,524</b>	<b>\$ 2,563</b>	<b>\$ 2,619</b>	<b>\$ 2,000</b>	<b>\$ 2,031</b>

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

MAINTENANCE	EXPENSE OBJECT							
		2019	2020	2021	2022	2023	2024	2025
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	REPLACE COST	LIFE (IN YEARS)	2019	2020	2021	2022	2023	2024	2025
8101	HYUNDAI VAN	2007	2032	35,000	25	-	-	-	-	-	-	-
				<b>\$ 35,000</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

CASH FLOW	2019	2020	2021	2022	2023	2024	2025
<b>BEGINNING CASH</b>	<b>24,449</b>	<b>26,924</b>	<b>29,462</b>	<b>31,986</b>	<b>34,549</b>	<b>37,168</b>	<b>39,168</b>
Contributions	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Interest & Vehicle Sales	475	538	524	563	619	-	31
Reserves Used	-	-	-	-	-	-	-
<b>Projected year end Cash</b>	<b>26,924</b>	<b>29,462</b>	<b>31,986</b>	<b>34,549</b>	<b>37,168</b>	<b>39,168</b>	<b>41,199</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 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Utilities	4520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund	4520	55,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000
Interest & Vehicles Sales	4520	16,600	11,792	8,198	9,625	11,894	11,296	5,986	-
Internal Service Funds	4520	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>		<b>\$ 71,600</b>	<b>\$ 121,792</b>	<b>\$ 118,198</b>	<b>\$ 119,625</b>	<b>\$ 121,894</b>	<b>\$ 121,296</b>	<b>\$ 115,986</b>	

EXPENDITURES									
Other Equipment		-	-	-	-	-	-	-	-
Replacement of Vehicles		156,100	419,200	254,400	27,600	-	195,500	401,300	
<b>TOTAL</b>		<b>\$ 156,100</b>	<b>\$ 419,200</b>	<b>\$ 254,400</b>	<b>\$ 27,600</b>	<b>\$ -</b>	<b>\$ 195,500</b>	<b>\$ 401,300</b>	

MAINTENANCE	EXPENSE OBJECT	2019	2020	2021	2022	2023	2024	2025
Fuel	3210	42,800	42,800	42,800	42,800	42,800	42,800	42,800
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>\$ 219,000</b>	<b>\$ 219,000</b>	<b>\$ 219,000</b>	<b>\$ 219,000</b>	<b>\$ 219,000</b>	<b>\$ 219,000</b>	<b>\$ 219,000</b>

Maintenance items can vary substantially based on the cost of fuel and/or parts.

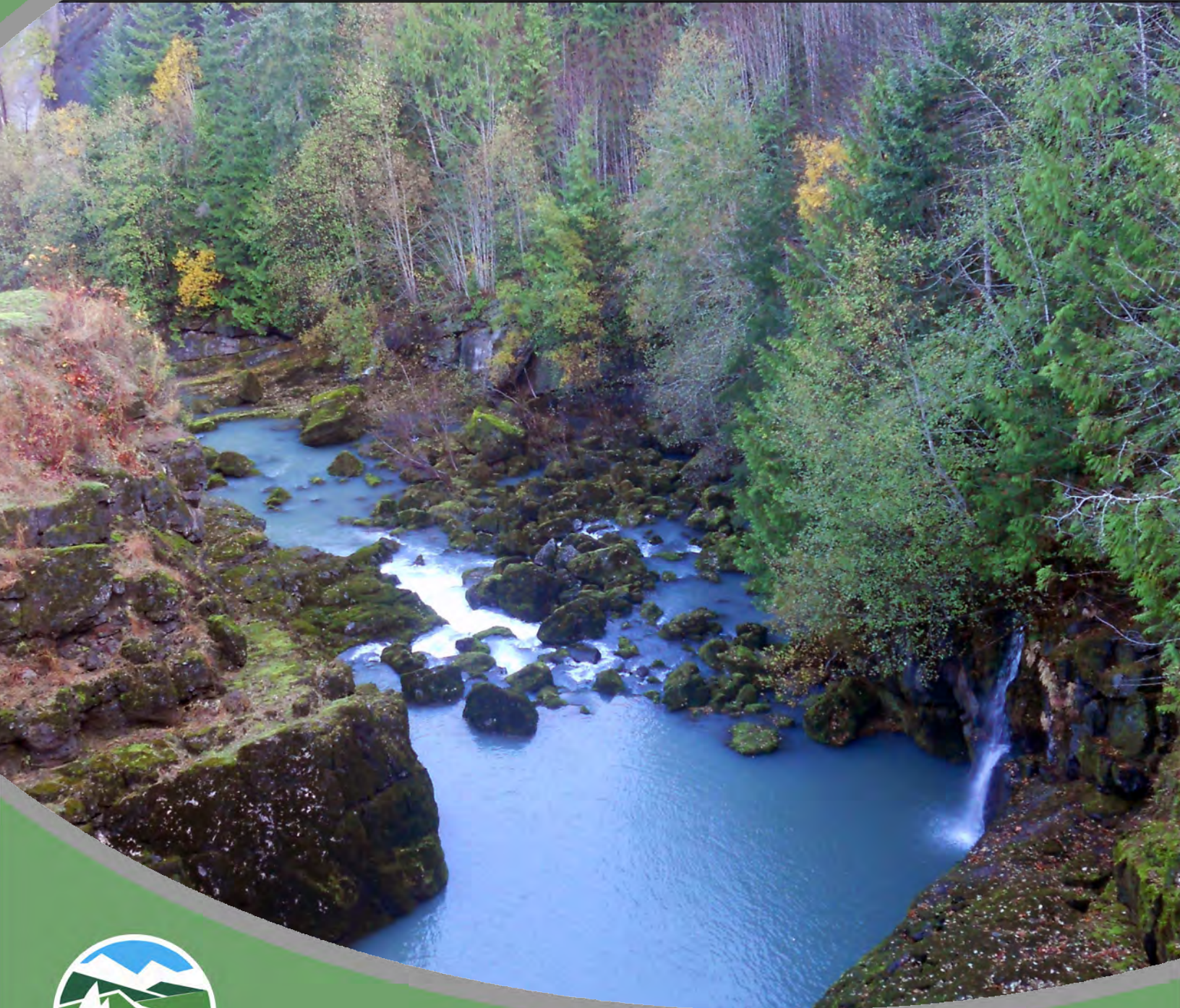
#	REPLACEMENT DETAIL	Vehicle year	REPLACE	REPLACE PRICE	LIFE (IN YEARS)	2019	2020	2021	2022	2023	2024	2025
940	MELT POT	2009	2029	12,000	20	-	-	-	-	-	-	-
1040	HYDRO SEEDER	2010	2025	13,500	15	-	-	-	-	-	-	15,800
1041	WATER TANK TRAILER	2000	2030	12,061	30	-	-	-	-	-	-	-
1042	TRAFFIC BOARD	2010	2030	16,065	20	-	-	-	-	-	-	-
1242	EXCAVATOR TRAILER	2012	2032	4,350	20	-	-	-	-	-	-	-
1243	EXCAVATOR	2012	2032	110,431	20	-	-	-	-	-	-	-
1340	FORD F450 FLATBED	2013	2028	43,317	15	-	-	-	-	-	-	-
1341	CRACK SEALER	2013	2038	60,867	25	-	-	-	-	-	-	-
1440	JOHN DEERE GRADER 14'	2008	2033	156,519	25	-	-	-	-	-	-	-
1441	BITIMOUS APPLICATOR	2014	2034	21,572	20	-	-	-	-	-	-	-
1501	STREET FLUSHER	1992	2017	73,111	25	-	-	-	-	-	-	-
1506	NEW HOLLAND BOOM MOWER	2001	2021	75,000	20	-	-	81,200	-	-	-	-
1568	FREIGHTLINER W/PATCH BOX	2001	2021	160,000	20	-	-	173,200	-	-	-	-
1576	LINCOLN TILTBED TRAILER	1994	2024	20,198	30	-	-	-	-	-	23,200	-
1579	FORD 6-8 YD DUMP	1990	2019	150,000	29	156,100	-	-	-	-	-	-
1597	BOMAG ASPHALT ROLLER	1993	2022	25,000	29	-	-	-	27,600	-	-	-
1598	INGERSOL RAND COMPRESSOR	1993	2020	25,000	27	-	26,500	-	-	-	-	-
1599	GARLAND TRAILER	1985	2025	4,000	40	-	-	-	-	-	-	4,700
1603	FREIGHTLINER 5YD DUMP TRUCK	2001	2020	300,000	19	-	318,400	-	-	-	-	-
1790	INTERNATIONAL 5YD DUMP	2004	2024	150,000	20	-	-	-	-	-	172,300	-
4701	GMC SIERRA 3500 SERVICE TRUCK	2004	2020	70,000	16	-	74,300	-	-	-	-	-
5505	ASPHALT HEATER	2005	2015	-	10	-	-	-	-	-	-	-
6501	GMC CANYON PU 4X4	2006	2026	38,000	20	-	-	-	-	-	-	-
6502	FORD F550 DUMP TRUCK	2006	2026	75,000	20	-	-	-	-	-	-	-
6503	MESSAGE BOARD (7505)	2006	2031	9,310	25	-	-	-	-	-	-	-
6504	PUCKET ASPHALT PAVER	2006	2026	37,867	20	-	-	-	-	-	-	-
7501	MONROE SAND SPREADER	2007	2017	14,978	10	-	-	-	-	-	-	-
7503	FORD F450 BOX TRUCK	2007	2027	75,000	20	-	-	-	-	-	-	-
7505	FORD F550 SIGN TRUCK	2008	2028	75,000	20	-	-	-	-	-	-	-
8501	PF DECKOVER TILT TRAILER	2008	2033	7,218	25	-	-	-	-	-	-	-
NEW	HERB SPRAY ATTACH.	2018	2028	9,000	10	-	-	-	-	-	-	-
NEW	10 YD ROLLOFF DUMP TRUCK		2025	325,000	20	-	-	-	-	-	-	380,800
1640	TRAFFIC CRASH ATTENUATOR	2016	2036	30,000	20	-	-	-	-	-	-	-
1740	CONCRETE CUTTING TRAILER	2017	2047	3,000	30	-	-	-	-	-	-	-
				<b>\$ 2,202,364</b>		<b>\$ 156,100</b>	<b>\$ 419,200</b>	<b>\$ 254,400</b>	<b>\$ 27,600</b>	<b>\$ -</b>	<b>\$ 195,500</b>	<b>\$ 401,300</b>

CASH FLOW	2019	2020	2021	2022	2023	2024	2025
Cash Balance	1,039,507	955,007	657,599	521,397	613,422	735,316	661,112
Contributions	55,000	110,000	110,000	110,000	110,000	110,000	110,000
Interest & Sales	16,600	11,792	8,198	9,625	11,894	11,296	5,986
Reserves Used	(156,100)	(419,200)	(254,400)	(27,600)	-	(195,500)	(401,300)
<b>Projected year end Cash</b>	<b>955,007</b>	<b>657,599</b>	<b>521,397</b>	<b>613,422</b>	<b>735,316</b>	<b>661,112</b>	<b>375,798</b>

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

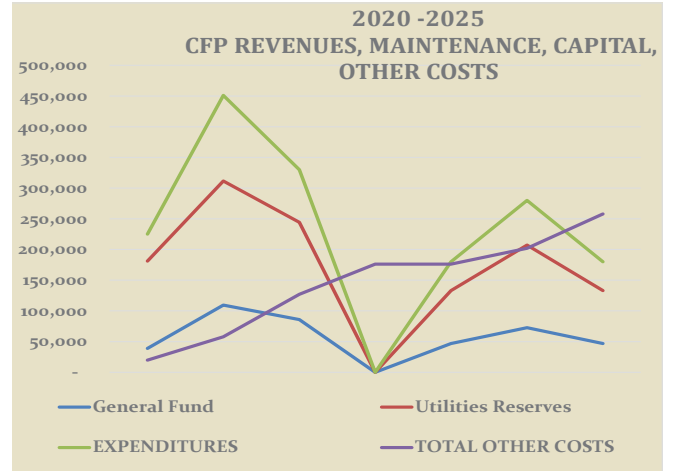


# INFORMATION TECHNOLOGY



# INFORMATION TECHNOLOGY PROJECTS

CFP YEAR: 2020 - 2025  
 MANAGER: TODD WEEKS  
 CONTACT: TWEEKS@CITYOFPA.US  
 PHONE: 360-417-4500



## 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 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utilities Reserves	\$ 151,420	\$ 181,138	\$ 311,540	\$ 244,200	\$ -	\$ 133,200	\$ 207,200	\$ 133,200
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	83,080	38,862	109,460	85,800	-	46,800	72,800	46,800
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 234,500</b>	<b>\$ 220,000</b>	<b>\$ 421,000</b>	<b>\$ 330,000</b>	<b>\$ -</b>	<b>\$ 180,000</b>	<b>\$ 280,000</b>	<b>\$ 180,000</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	62,000	-	-	-	30,000	-
Construction	152,791	225,000	389,000	330,000	-	180,000	250,000	180,000
<b>TOTAL</b>	<b>\$ 152,791</b>	<b>\$ 225,000</b>	<b>\$ 451,000</b>	<b>\$ 330,000</b>	<b>\$ -</b>	<b>\$ 180,000</b>	<b>\$ 280,000</b>	<b>\$ 180,000</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	19,812	51,955	121,012	170,170	170,170	195,884	251,884
Other	-	-	6,000	6,000	6,000	6,000	6,000	6,000
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 19,812</b>	<b>\$ 57,955</b>	<b>\$ 127,012</b>	<b>\$ 176,170</b>	<b>\$ 176,170</b>	<b>\$ 201,884</b>	<b>\$ 257,884</b>

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

PROJECTS COMPLETED IN 2018		Actual	Budget
IT0317	Phone System GUI Interface	37,820	45,000
IT0418	Electric Facility IT	8,355	50,000
IT1016	Remote Access	8,966	7,500
IT1216	SCADA Desktop interface	8,966	7,500
<b>TOTAL COMPLETED PROJECTS</b>		<b>64,107</b>	<b>110,000</b>

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

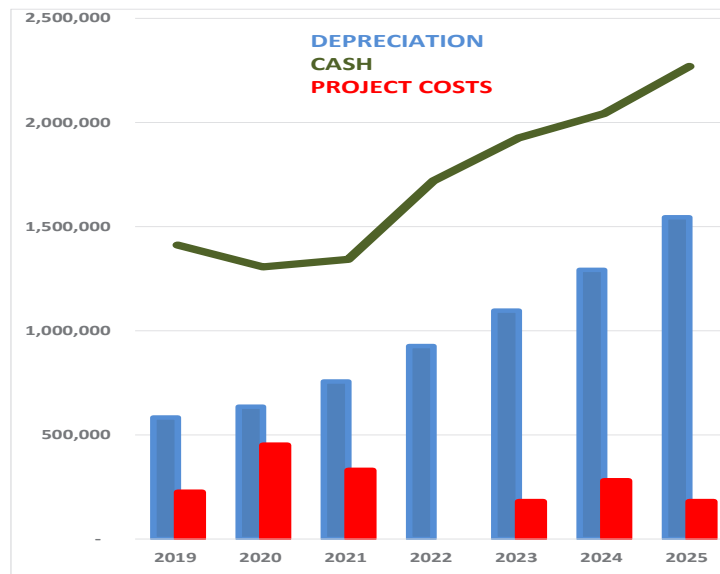


# IT PROJECT LIST & CASH FLOW

INFORMATION TECHNOLOGY PROJECTS		PRIORITY	PROJECT TOTAL	Budget 2019	CAPITAL FACILITIES PLAN					
Number	Title				2020	2021	2022	2023	2024	2025
IT0317	Phone System 911 Interface - PSALI PBX Server	A	42,820	5,000	-	-	-	-	-	-
IT0918	Internal Network Segmentation & VLAN Configuration	A	220,977	130,000	-	-	-	-	-	-
IT0218	Click2Gov3 / Fusion	A	14,885	5,000	-	-	-	-	-	-
IT0217	SCADA Server Replacements	A	75,000	75,000	-	-	-	-	-	-
IT0816	Facility and Class Management Scheduling	A	10,000	10,000	-	-	-	-	-	-
IT0214	Records Management System	A	104,109	-	-	30,000	-	30,000	-	30,000
IT0618	Virtual Server Replacements - EXSI	1	450,000	-	-	150,000	-	150,000	-	150,000
IT0714	Data Backup Systems Replacement	2	210,000	-	210,000	-	-	-	-	-
IT0716	ERP Road Map	3	50,000	-	50,000	-	-	-	-	-
IT0514	Data Storage Array Systems	4	150,000	-	-	150,000	-	-	-	-
IT0119	Wireless Bridge	5	60,000	-	60,000	-	-	-	-	-
IT0319	Network Refresh	6	280,000	-	-	-	-	-	280,000	-
IT0219	City Hall Wireless Network	7	21,000	-	21,000	-	-	-	-	-
IT1018	UPS Replacement - Disaster Recovery Data Center	8	60,000	-	60,000	-	-	-	-	-
IT0416	Cemetery Software	9	30,000	-	30,000	-	-	-	-	-
IT1118	IT Security Audit	11	20,000	-	20,000	-	-	-	-	-
IT0617	Executime Scheduling Module	UF	30,000	-	-	-	-	-	-	-
IT1213	Enterprise Information System	UF	3,200,000	-	-	-	-	-	-	-
IT0216	Business License System	UF	125,000	-	-	-	-	-	-	-
<b>Total</b>			<b>5,153,791</b>	<b>225,000</b>	<b>451,000</b>	<b>330,000</b>	<b>-</b>	<b>180,000</b>	<b>280,000</b>	<b>180,000</b>

CASH FLOW ANALYSIS	2019	2020	2021	2022	2023	2024	2025
Beginning Cash Balance	1,309,609	1,411,109	1,306,609	1,343,109	1,719,609	1,926,109	2,042,609
<b>Funding sources:</b>							
Utilities Reserves	255,000	265,000	275,000	275,000	275,000	275,000	275,000
Grants	-	-	-	-	-	-	-
Use of existing reserves in IT	-	-	-	-	-	-	-
General Fund	65,000	75,000	85,000	95,000	105,000	115,000	125,000
Interest/Donations	-	-	-	-	-	-	-
Other Funds	6,500	6,500	6,500	6,500	6,500	6,500	6,500
Project Costs	(225,000)	(451,000)	(330,000)	-	(180,000)	(280,000)	(180,000)
<b>Ending Cash Balance</b>	<b>1,411,109</b>	<b>1,306,609</b>	<b>1,343,109</b>	<b>1,719,609</b>	<b>1,926,109</b>	<b>2,042,609</b>	<b>2,269,109</b>

Comparison to prior spending	2019	2020	2021	2022	2023	2024	2025
5 Year average from Utilities	466,197	447,711	442,785	417,617	409,862	398,595	388,772
Decrease in Utility contribution	(211,197)	(182,711)	(167,785)	(142,617)	(134,862)	(123,595)	(113,772)
5 yr average from General fund	134,926	133,920	128,704	126,452	125,800	125,975	126,386
Decrease in GF contribution	(69,926)	(58,920)	(43,704)	(31,452)	(20,800)	(10,975)	(1,386)
Depreciation amount	583,443	635,397	756,409	926,579	1,096,749	1,292,634	1,544,518
Cash coverage to depreciation	2.42	2.06	1.78	1.86	1.76	1.58	1.47



# PHONE SYSTEM 911 INTERFACE PSALI PBX SERVER IT0317

PROJECT STATUS: ACTIVE  
 LOCATION: 48.114363, -123.432072  
 PROJECT MANAGER: JIM HARPER

Maintenance Cost Descriptions:
Estimated life 7 years
Maintenance per year \$0

**ABOUT THE PROJECT:**

Replacement of the hardware and software upgrade of the E911 PSALI PBX interface server that reports 911 calls location information to PenCom.

**JUSTIFICATION:**

The current system is currently 7 years old and past its 6-7 year lifecycle. The PSALI server relays location information and phone numbers from the city PBX phone system to the local telephone provider and is then relayed to the 911 dispatch center. It is required by federal regulation that all private PBX systems must have this capability for information transfer. Replacement of the existing system is required and the city has experienced one complete failure within the last 12 months. The new system will be a complete new hardware server, communication interface and software upgrade.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities Reserves	\$ 31,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	11,700	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 43,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	37,820	5,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 37,820</b>	<b>\$ 5,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	5,403	6,117	6,117	6,117	6,117	6,117	6,117
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 5,403</b>	<b>\$ 6,117</b>	<b>\$ 6,117</b>	<b>\$ 6,117</b>	<b>\$ 6,117</b>	<b>\$ 6,117</b>	<b>\$ 6,117</b>

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



# INTERNAL NETWORK SEGMENTATION & VLAN CONFIGURATION

IT0918

PROJECT STATUS: ACTIVE  
 LOCATION: 48.114363, -123.432072  
 PROJECT MANAGER: TODD WEEKS

<i>Maintenance Cost Descriptions:</i>
Estimated life 7 years

**ABOUT THE PROJECT:**

Design and configuration of internal VLAN (virtual local area network) 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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities Reserves	\$ 72,800	\$ 96,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	18,200	33,800	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 91,000</b>	<b>\$ 130,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	90,977	130,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 90,977</b>	<b>\$ 130,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	12,997	31,568	31,568	31,568	31,568	31,568	31,568
Other - software fees	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 12,997</b>	<b>\$ 31,568</b>	<b>\$ 31,568</b>	<b>\$ 31,568</b>	<b>\$ 31,568</b>	<b>\$ 31,568</b>	<b>\$ 31,568</b>

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



PROJECT STATUS: ACTIVE  
 LOCATION: 48.114363, -123.432072  
 PROJECT MANAGER: LINDA KHERIATY

<i>Maintenance Cost Descriptions:</i>
Estimated life 7 years

**ABOUT THE PROJECT:**

Installation of Click2gov3 and Fusion to enable building permit filing online, balance searches for utilities and a multitude of other functionality to customers.

**JUSTIFICATION:**

Installation of Paymentus which allows automated phone and online payments and does not require validation. This will allow customers to see how much they owe, research the status of permits and other functions providing the customer the ability to look up account inquiries without having to interact with a person at City Hall. This also allows for the auto application of payments to utility and permit customers' accounts.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities Reserves	\$ 2,500	\$ 2,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	7,500	2,500	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 10,000</b>	<b>\$ 5,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	9,885	5,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 9,885</b>	<b>\$ 5,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	1,412	2,126	2,126	2,126	2,126	2,126	2,126
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ 1,412</b>	<b>\$ 2,126</b>	<b>\$ 2,126</b>	<b>\$ 2,126</b>	<b>\$ 2,126</b>	<b>\$ 2,126</b>	<b>\$ 2,126</b>

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



# SCADA SERVER REPLACEMENTS

IT0217

PROJECT STATUS: ACTIVE  
 LOCATION: 48.114363, -123.432072  
 PROJECT MANAGER: TODD WEEKS

Maintenance Cost Descriptions:
Estimated life 7 years
Maintenance per year \$6,000

**ABOUT THE PROJECT:**

Server hardware replacements and operating system upgrades for virtual host systems for each one of the three SCADA environments.

**JUSTIFICATION:**

Currently, the PAWTP server is 12 years old, Electrical & WWTP servers are 6 years old, approaching or past their 6-7 year life cycle. Additionally, two of the three servers reside in open hostile environments exposed to chemicals, temperature, humidity changes and airborne particulates that decrease their lifecycle and reliability to monitor and report SCADA information, alerts and critical events. Replacement servers will be part of an emergency failover multi-host cluster redundancy. This will allow for greater system software and data redundancy across multiple platforms and physical locations not currently available.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities Reserves	\$ -	75,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	75,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	10,714	10,714	10,714	10,714	10,714	10,714
Other -explain	-	-	6,000	6,000	6,000	6,000	6,000	6,000
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 16,714</b>	<b>\$ 16,714</b>	<b>\$ 16,714</b>	<b>\$ 16,714</b>	<b>\$ 16,714</b>	<b>\$ 16,714</b>

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



PROJECT STATUS: ACTIVE  
 LOCATION: 48.114363, -123.432072  
 PROJECT MANAGER: COREY DELIKAT

<i>Maintenance Cost Descriptions:</i>
Estimated life 7 years

**ABOUT THE PROJECT:**

Procure and implement an automated online scheduling system for use of City Facilities.

**JUSTIFICATION:**

Increased organizational efficiency and improved productivity.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities Reserves	\$ -	\$ 7,438	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	2,562	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	10,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	1,429	1,429	1,429	1,429	1,429	1,429
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,429</b>	<b>\$ 1,429</b>	<b>\$ 1,429</b>	<b>\$ 1,429</b>	<b>\$ 1,429</b>	<b>\$ 1,429</b>

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



PROJECT STATUS: ACTIVE  
 LOCATION: 48.114363, -123.432072  
 PROJECT MANAGER: TODD WEEKS

<i>Maintenance Cost Descriptions:</i>
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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities Reserves	\$ 44,820	\$ -	\$ -	\$ 22,200	\$ -	\$ 22,200	\$ -	\$ 22,200
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	15,680	-	-	7,800	-	7,800	-	7,800
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 60,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 30,000</b>	<b>\$ -</b>	<b>\$ 30,000</b>	<b>\$ -</b>	<b>\$ 30,000</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design/Study	-	-	-	-	-	-	-	-
Construction	14,109	-	-	30,000	-	30,000	-	30,000
<b>TOTAL</b>	<b>\$ 14,109</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 30,000</b>	<b>\$ -</b>	<b>\$ 30,000</b>	<b>\$ -</b>	<b>\$ 30,000</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	6,301	6,301	10,587	10,587
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,301</b>	<b>\$ 6,301</b>	<b>\$ 10,587</b>	<b>\$ 10,587</b>

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



PROJECT STATUS: PLANNING  
 LOCATION: 48.114363, -123.432072  
 PROJECT MANAGER: TODD WEEKS

Maintenance Cost Descriptions:
Estimated life 7 years
Maintenance per year \$6,000

**ABOUT THE PROJECT:**

Replacement of physical servers for stand alone applications or multi-server virtual clusters, based on a five to seven year life expectancy. Server replacements are staggered so a few servers are replaced every two years that are 5-7 years old.

**JUSTIFICATION:**

Creation of a scheduled replacement plan for SQL server replacements based on a 5-7 year cycle instead of our current operation based on failure. Critical servers will be based on a 5 year replacement plan. Critical servers examples are FS1, PW1, and virtual cluster servers due to their utilization and performance needs.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities Reserves	\$ -	\$ -	\$ -	\$ 111,000	\$ -	\$ 111,000	\$ -	\$ 111,000
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	39,000	-	39,000	-	39,000
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ 150,000</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	150,000	-	150,000	-	150,000
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ 150,000</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	21,429	21,429	42,857	42,857
Other - software fees	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 21,429</b>	<b>\$ 21,429</b>	<b>\$ 42,857</b>	<b>\$ 42,857</b>

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



PROJECT STATUS: PLANNING  
 LOCATION: 48.114363, -123.432072  
 PROJECT MANAGER: TODD WEEKS

<i>Maintenance Cost Descriptions:</i>
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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities Reserves	\$ -	\$ -	\$ 155,400	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	54,600	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 210,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	210,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 210,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	30,000	30,000	30,000	30,000	30,000
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>

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



PROJECT STATUS: PLANNING  
 LOCATION: 48.114363, -123.432072  
 PROJECT MANAGER: SARINA CARRIZOSA

<i>Maintenance Cost Descriptions:</i>
Estimated life 7 years

**ABOUT THE PROJECT:**

Complete a formal evaluation of the current Enterprise system to assess how the system is meeting the City’s needs. This project would include consultant services to complete the evaluation, including review of all modules currently used and investigating paperless options, electronic automation of workflow, identifying improvements of interfaces between modules, integration and wire transfers of data. Focus on the next four years and whether the system is currently meeting needs.

**JUSTIFICATION:**

Increased organizational efficiency and improved productivity.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities Reserves	\$ -	\$ -	\$ 37,000	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	13,000	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	50,000	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	7,143	7,143	7,143	7,143	7,143
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,143</b>	<b>\$ 7,143</b>	<b>\$ 7,143</b>	<b>\$ 7,143</b>	<b>\$ 7,143</b>

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



PROJECT STATUS: PLANNING  
 LOCATION: 48.114363, -123.432072  
 PROJECT MANAGER: TODD WEEKS

<i>Maintenance Cost Descriptions:</i>
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 was replaced in 2011. The data mirroring part of the project was installed in late 2011 at the City's redundant site. All server hard drive primary storage resides on these storage arrays due to the multiple layers of redundancy and fail over capabilities. Life expectancy of 24/7 critical primary storage is 5-8 years dependant upon the environment and factors affecting units, such as load and I/O accesses. Due to current environmental issues, speed performance and hard drive failures, the recommendation for replacement is 6 years. Replacement will consist of same redundancy capabilities and multi-layer fail-over requirements as well as faster drives and expansion to meet further growth.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities Reserves	\$ -	\$ -	\$ -	\$ 111,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	-	39,000	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	150,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	21,429	21,429	21,429	21,429
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 21,429</b>	<b>\$ 21,429</b>	<b>\$ 21,429</b>	<b>\$ 21,429</b>

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



PROJECT STATUS: PLANNING  
 LOCATION: 48.114363, -123.432072  
 PROJECT MANAGER: TODD WEEKS

<i>Maintenance Cost Descriptions:</i>
Estimated life 5 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 EOC and DR 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 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Utilities Reserves	\$ -	\$ -	\$ 44,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	15,600	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 60,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	10,000	-	-	-	-	-
Construction	-	-	50,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 60,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	12,000	12,000	12,000	12,000	12,000
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 12,000</b>	<b>\$ 12,000</b>	<b>\$ 12,000</b>	<b>\$ 12,000</b>	<b>\$ 12,000</b>

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



PROJECT STATUS: PLANNING  
 LOCATION: 48.114363, -123.432072  
 PROJECT MANAGER: TODD WEEKS

<i>Maintenance Cost Descriptions:</i>
Estimated life 5 years

**ABOUT THE PROJECT:**

5-7 year replacement of network equipment, specifically, Cisco Meraki switches, routers and firewalls.

**JUSTIFICATION:**

Security Item. Maintain useful life cycle for network equipment.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 207,200	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	72,800	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 280,000</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	30,000	-
Construction	-	-	-	-	-	-	250,000	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 280,000</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	56,000
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 56,000</b>

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



PROJECT STATUS: PLANNING  
 LOCATION: 48.114363, -123.432072  
 PROJECT MANAGER: TODD WEEKS

<i>Maintenance Cost Descriptions:</i>
Estimated life 5 years

**ABOUT THE PROJECT:**

Create a “mesh” network within City Hall for employee use.

**JUSTIFICATION:**

Conference rooms and Council Chambers being the first and foremost need.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities Reserves	\$ -	\$ -	\$ 15,540	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	5,460	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 21,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	1,000	-	-	-	-	-
Construction	-	-	20,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 21,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	4,200	4,200	4,200	4,200	4,200
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,200</b>	<b>\$ 4,200</b>	<b>\$ 4,200</b>	<b>\$ 4,200</b>	<b>\$ 4,200</b>

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



# UPS REPLACEMENT - DISASTER RECOVERY DATA CENTER

IT1018

PROJECT STATUS: PLANNING  
LOCATION: 48.11112, -123.461578  
PROJECT MANAGER: JIM HARPER

<i>Maintenance Cost Descriptions:</i>
Estimated life 7 years

**ABOUT THE PROJECT:**

Replacement of current uninterrupted power supply/conditioner/battery backup for critical servers and systems residing at current disaster redundancy datacenter located at the Corporation Yard.

**JUSTIFICATION:**

The current residing UPS is over 10 years old and has exceeded its life cycle expectancy. The current system supports power needs and emergency power needs for critical redundancy systems for city resources. Unplanned failure of equipment would be detrimental to both the systems it supports and the data they retain that may become unrecoverable.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Utilities Reserves	\$ -	\$ -	\$ 44,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	-	-	15,600	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 60,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	1,000	-	-	-	-	-
Construction	-	-	59,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 60,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	8,571	8,571	8,571	8,571	8,571
Other - software/license fees	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 8,571</b>	<b>\$ 8,571</b>	<b>\$ 8,571</b>	<b>\$ 8,571</b>	<b>\$ 8,571</b>

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



PROJECT STATUS: ACTIVE  
 LOCATION: 48.114363, -123.432072  
 PROJECT MANAGER: COREY DELIKAT

Maintenance Cost Descriptions:
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.

**JUSTIFICATION:**

Efficiency for staff and customers.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN						
			2020	2021	2022	2023	2024	2025	
Utilities Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-	-
General Fund	30,000	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 30,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	30,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 30,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	4,286	4,286	4,286	4,286	4,286
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,286</b>	<b>\$ 4,286</b>	<b>\$ 4,286</b>	<b>\$ 4,286</b>	<b>\$ 4,286</b>

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



PROJECT STATUS: PLANNING  
 LOCATION: 48.114363, -123.432072  
 PROJECT MANAGER: TODD WEEKS

<i>Maintenance Cost Descriptions:</i>
Estimated life 5 years

**ABOUT THE PROJECT:**

Working with outside consultants, and Information Technology employees develop a best practice document for the City of Port Angeles IT Team as part of the City’s work plan. The City is on the state list of an audit in 2021 and there is no charge for this. If any recommendations are a result of this audit there will potentially be costs associated with compliance.

**JUSTIFICATION:**

The City has been operating under the same, or similar, processing and structure for over 20 years. This will allow the City to leverage expert knowledge to streamline programs and processes.

FUNDING SOURCES	PRIOR YEARS	Budget 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utilities Reserves	\$ -	\$ -	14,800	-	-	-	-	-
Grants	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
General Fund	-	-	5,200	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	20,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	2,857	2,857	2,857	2,857	2,857
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,857</b>	<b>\$ 2,857</b>	<b>\$ 2,857</b>	<b>\$ 2,857</b>	<b>\$ 2,857</b>

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



# 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.

## EXECUTIME SCHEDULING MODULE

IT0617

PROJECT STATUS: UNFUNDED  
LOCATION: 48.114363, -123.432072  
PROJECT MANAGER: LINDA KHERIATY

<i>Maintenance Cost Descriptions:</i>
Estimated life 7 years

### **ABOUT THE PROJECT:**

Enhancement of current supported Executime payroll timekeeping software with a scheduling module. Estimated project cost \$30,000.

### **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.



PROJECT STATUS: UNFUNDED  
 LOCATION: 48.114363, -123.432072  
 PROJECT MANAGER: SARINA CARRIZOSA

<i>Maintenance Cost Descriptions:</i>
Estimated life 7 years

**ABOUT THE PROJECT:**

Replace or upgrade the enterprise software system used for financial, community development and utility tracking and reporting. Estimated project cost \$3,200,000.

**JUSTIFICATION:**

The current financial enterprise software system utilized by City staff for tracking and reporting will need to be replaced within the next 5 years. This system integrates 30 different modules to the general ledger, and has been the system of record since 2002. With emerging technologies and platforms, due diligence and review are necessary. This replacement system should be all encompassing, involving all departments, including integration into other software types and platforms.

PROJECT STATUS: UNFUNDED  
 LOCATION: 48.114363, -123.432072  
 PROJECT MANAGER: KARI MARTINEZ-BAILEY

<i>Maintenance Cost Descriptions:</i>
Estimated life 7 years
Maintenance per year \$0

**ABOUT THE PROJECT:**

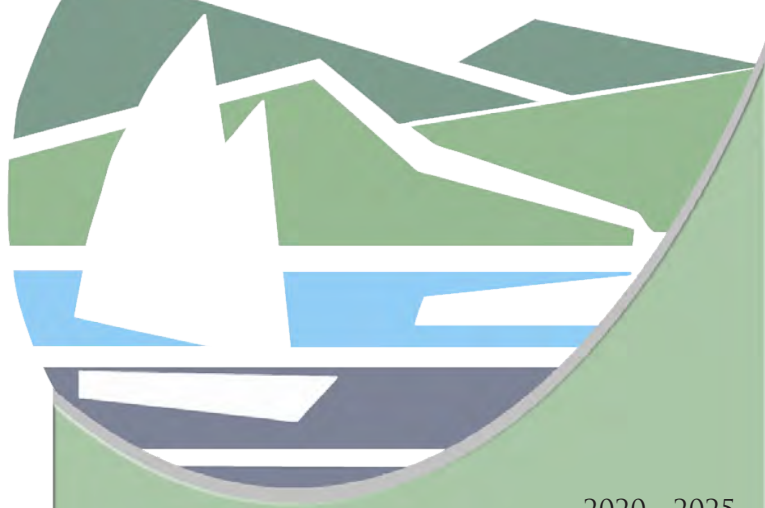
The FIS occupation licensing system is used as the basis for processing the City’s business license applications and renewals. This project will analyze the City license process and recommend a commercial off the shelf system, if one exists that better meets the City requirements. Enhancements include 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. Estimated project cost \$125,000.

**JUSTIFICATION:**

Efficiency for customers and staff.



CITY OF PORT ANGELES



2020 - 2025  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN



# TRANSPORTATION IMPROVEMENT PLAN



# TRANSPORTATION BENEFIT DISTRICT TRANSPORTATION IMPROVEMENT PLAN

CFP YEAR: 2020 - 2025  
 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.

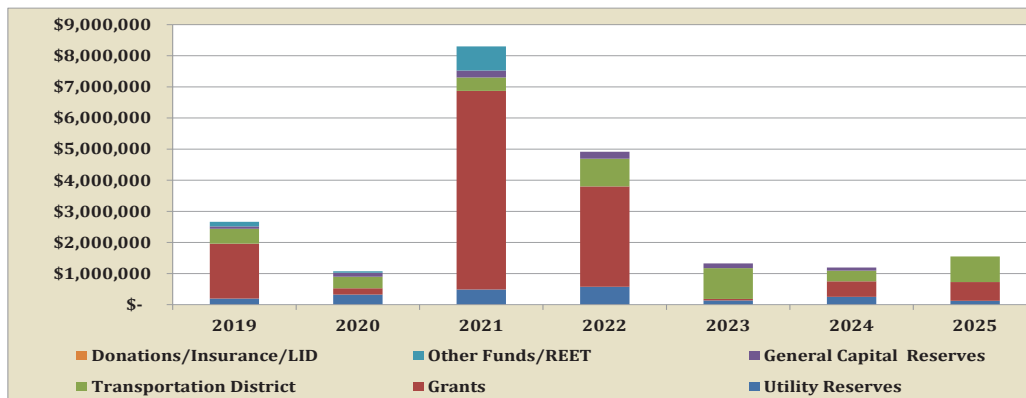
The goal of the newly created Transportation Benefit District is to fund transportation improvements that preserve, and maintain the operation of existing transportation infrastructure of the City, consistent with the requirements of RCW 36.73. The funds expended by the district shall preserve, maintain 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 2019	CAPITAL FACILITIES PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ 851,300	\$ 195,000	\$ 325,000	\$ 487,500	\$ 575,000	\$ 135,000	\$ 250,000	\$ 125,000
Grants	1,700,767	1,765,596	200,000	6,384,200	3,225,000	50,000	500,000	600,000
Transportation District	505,000	480,000	375,000	430,000	890,000	990,000	345,000	825,000
General Capital Reserves	292,948	75,000	125,000	225,000	225,000	150,000	100,000	-
Donations/Insurance/LID	-	-	-	-	-	-	-	-
Other Funds/REET	353,200	148,744	50,000	775,000	-	-	-	-
<b>TOTAL</b>	<b>\$ 3,703,215</b>	<b>\$ 2,664,340</b>	<b>\$ 1,075,000</b>	<b>\$ 8,301,700</b>	<b>\$ 4,915,000</b>	<b>\$ 1,325,000</b>	<b>\$ 1,195,000</b>	<b>\$ 1,550,000</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	350,119	984,100	250,000	20,000	10,000	70,000	15,000	-
Construction	1,821,055	2,546,100	805,000	8,001,700	5,205,000	1,255,000	1,180,000	1,400,000
<b>TOTAL</b>	<b>\$ 2,171,174</b>	<b>\$ 3,530,200</b>	<b>\$ 1,055,000</b>	<b>\$ 8,021,700</b>	<b>\$ 5,215,000</b>	<b>\$ 1,325,000</b>	<b>\$ 1,195,000</b>	<b>\$ 1,400,000</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	85,703	114,373	239,573	345,769	388,474	420,024
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 85,703</b>	<b>\$ 114,373</b>	<b>\$ 239,573</b>	<b>\$ 345,769</b>	<b>\$ 388,474</b>	<b>\$ 420,024</b>

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



# TRANSPORTATION PROJECT LIST & CASH FLOW

TRANSPORTATION PROJECTS					TRANSPORATION IMPROVEMENT PLAN						
Number	Title	Type	PRIORITY	PROJECT TOTAL	BUDGET 2019	2020	2021	2022	2023	2024	2025
<b>TRANSPORTATION BENEFIT DISTRICT PROJECTS</b>											
TR1118	Revolving Street Improvements	Restoration	R	180,000	30,000	30,000	30,000	30,000	30,000	30,000	-
TR0405	Alley Paving Revolving Funding	Restoration	R	875,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000
TR1100	10th Street Reconstruction (I to N Streets)	Restoration	A	1,999,984	444,000	-	-	-	-	-	-
TR0515	Lauridsen Blvd Overlay (Lincoln to Ennis Streets)	Preservation	A	1,030,800	1,030,800	-	-	-	-	-	-
TR0414	Peabody Creek/Lincoln Street Culvert Repair	Restoration	1	3,446,300	446,300	-	-	3,000,000	-	-	-
TR1299	Park Avenue Chip Seal (Peabody to Race Streets)	Preservation	2	130,000	130,000	-	-	-	-	-	-
TR1516	Peabody Street Chip Seal Phase I (Lauridsen Blvd to 8th St)	Restoration	4	125,000	-	125,000	-	-	-	-	-
TR0215	Peabody Street Chip Seal Phase III (Ahlvers Rd to Park Ave)	Preservation	5	125,000	-	125,000	-	-	-	-	-
TR0315	Peabody Street Chip Seal Phase II (Park Ave to Lauridsen Blvd)	Preservation	6	200,000	-	200,000	-	-	-	-	-
TR0615	Golf Course Road Chip Seal (1st St to Lindberg Rd)	Restoration	7	200,000	-	-	200,000	-	-	-	-
TR0218	Lincoln Street Safety	Safety	8	1,485,000	135,000	100,000	1,250,000	-	-	-	-
TR1416	Hamilton School Walking Routes	Pedestrian / Bike	9	215,000	15,000	-	-	200,000	-	-	-
TR0616	ADA - Francis Street	Pedestrian / Bike	10	300,000	-	-	-	300,000	-	-	-
TR0618	Stevens Middle School Walking Routes	Safety	17	650,000	-	-	-	-	50,000	600,000	-
TR0115	N Street Chip Seal (5th to 15th Streets)	Preservation	18	300,000	-	-	-	300,000	-	-	-
TR0518	I Street Chip Seal (5th to 16th Streets)	Preservation	19	300,000	-	-	-	-	300,000	-	-
TR0316	8th Street Chip Seal (A to I Streets)	Preservation	20	300,000	-	-	-	300,000	-	-	-
TR0219	5th Street Chip Seal (A to M Streets)	Preservation	21	300,000	-	-	-	-	300,000	-	-
TR0417	Ennis Street Pavement Repair	Preservation	23	70,000	-	-	-	70,000	-	-	-
TR0117	Liberty Street Reconstruction	Restoration	24	460,000	-	-	-	10,000	450,000	-	-
TR0915	Park Avenue Paving Overlay (Race to Liberty Streets)	Preservation	25	390,000	-	-	-	-	-	15,000	375,000
TR1116	School Area Speed Signs (Near Franklin)	Safety	26	50,000	-	-	-	-	50,000	-	-
TR0716	ADA - Peabody Street	Pedestrian / Bike	28	310,000	-	-	-	-	10,000	300,000	-
TR0119	8th Street Paving (Lincoln to A Streets)	Preservation	29	900,000	-	-	-	-	-	-	900,000
TR0818	Railroad Ave Overlay	Restoration	UF 30	200,000	-	-	-	-	-	-	-
TR0499	Laurel St/Ahlvers Road Overlay	Restoration	UF 31	400,000	-	-	-	-	-	-	-
TR0816	ADA - Cherry Street	Pedestrian / Bike	UF 33	300,000	-	-	-	-	-	-	-
TR0815	Old Mill Chip Seal (Ahlvers Rd to City Limits)	Preservation	UF 34	-	-	-	-	-	-	-	-
TR1015	Cherry Street Area Chip Seal	Preservation	UF 35	750,000	-	-	-	-	-	-	-
TR0916	ADA - Oak & Laurel Streets	Pedestrian / Bike	UF 37	300,000	-	-	-	-	-	-	-
TR1899	Lincoln, Laurel and Lauridsen Blvd Intersection	Mobility	UF 40	100,516	-	-	-	-	-	-	-
TR0104	2nd & Valley Streets Pavement	Restoration	UF 42	550,000	-	-	-	-	-	-	-
TR0308	O Street Improvements	Restoration	UF 46	1,500,000	-	-	-	-	-	-	-
TR0599	Hill Street Intersection	Mobility	UF 47	485,000	-	-	-	-	-	-	-
TR1799	Truck Route at Hwy 101 Intersection	Mobility	UF 48	6,000,000	-	-	-	-	-	-	-
TR0317	Chase Street Vicinity Chip Seal	Preservation	UF 53	320,000	-	-	-	-	-	-	-
TR0419	Lauridsen Blvd Reconstruction (L St to City Limits)	Restoration	UF 55	320,000	-	-	-	-	-	-	-
<b>TRANSPORTATION PROJECTS</b>											
TR0111	Marine Drive Channel Bridge	Restoration	A	644,687	319,800	-	-	-	-	-	-
TR0114	Hill Street - Olympic Discovery Trail	Pedestrian / Bike	A	1,648,165	46,000	-	1,421,700	-	-	-	-
TR0209	Race Street Complete Design & Construction Phase I	Civic Improvement	A	3,564,954	189,800	115,000	3,000,000	-	-	-	-
TR0909	Wayfinding & ODT Signage	Civic Improvement	A	212,013	211,500	-	-	-	-	-	-
TR1216	5th & Liberty Streets Solar Speed Display	Safety	A	50,000	50,000	-	-	-	-	-	-
TR0519	Peabody Street Sidewalk Repair	Pedestrian / Bike	3	95,000	95,000	-	-	-	-	-	-
TR0715	16th Street LID (C to L Streets)	Restoration	11	1,060,000	160,000	-	900,000	-	-	-	-
TR0416	1St/2nd/Valley/Oak Green Alley	Restoration	12	472,216	-	-	450,000	-	-	-	-
TR1215	City Hall East Parking Lot LID	Restoration	13	602,000	102,000	-	-	500,000	-	-	-
TR0517	6th/7th Alley (Francis to Washington Streets)	Restoration	14	200,000	-	200,000	-	-	-	-	-
TR0101	Laurel Street Stairs Replacement	Civic Improvement	15	410,000	-	35,000	375,000	-	-	-	-
TR0418	Front Street Alleys	Restoration	16	250,000	-	-	250,000	-	-	-	-
TR0318	8th/10th Street Bike Lanes	Pedestrian / Bike	22	400,000	-	-	20,000	380,000	-	-	-
TR0319	Albert Street Alley (4th/5th Streets)	Restoration	27	135,000	-	-	-	-	10,000	125,000	-
TR0113	Waterfront Redevelopment Phase III	Civic Improvement	UF 32	8,100,000	-	-	-	-	-	-	-
TR1016	18th Street Bike Accessibility	Pedestrian / Bike	UF 36	700,000	-	-	-	-	-	-	-
TR1399	Traffic Signal Interconnect/Preemption	Mobility	UF 38	725,000	-	-	-	-	-	-	-
TR1109	Marine Drive Bulkhead Repairs	Restoration	UF 39	-	-	-	-	-	-	-	-
TR0212	Caroline Street Slide Repair	Restoration	UF 41	375,000	-	-	-	-	-	-	-
TR1009	1st, Front & Race Street Nodes	Pedestrian / Bike	UF 43	423,000	-	-	-	-	-	-	-
TR0516	Nancy Lane Pavement	Restoration	UF 44	200,000	-	-	-	-	-	-	-
TR0506	Valley Creek Trail Loop	Pedestrian / Bike	UF 45	100,000	-	-	-	-	-	-	-
TR0208	Alternate Cross-Town Route Study	Mobility	UF 49	220,000	-	-	-	-	-	-	-
TR0718	Public View Points	Civic Improvement	UF 50	75,000	-	-	-	-	-	-	-
TR0918	Downtown Tree/Sidewalk Replacement Phase II	Pedestrian / Bike	UF 51	200,000	-	-	-	-	-	-	-
TR1316	Traffic Control	Safety	UF 52	200,000	-	-	-	-	-	-	-
TR1018	Zig Zag at Oak Street	Civic Improvement	UF 54	500,000	-	-	-	-	-	-	-
TR0619	Race Street Complete Construction Phase II	Civic Improvement	UF 56	6,000,000	-	-	-	-	-	-	-
TR0719	First & Front Street Decoupling	Civic Improvement	UF 57	-	-	-	-	-	-	-	-
TR0819	Sidewalks for Mt Angeles Rd & Porter St	Safety, Pedestrian / Bike	UF 58	1,000,000	-	-	-	-	-	-	-
<b>Total</b>				<b>54,129,634</b>	<b>3,530,200</b>	<b>1,055,000</b>	<b>8,021,700</b>	<b>5,215,000</b>	<b>1,325,000</b>	<b>1,195,000</b>	<b>1,400,000</b>



# TRANSPORTATION PROJECT LIST & CASH FLOW

CASH FLOW ANALYSIS	2019B	2020	2021	2022	2023	2024	2025
Beginning Cash Balance	1,203,596	623,036	1,078,742	1,655,060	1,207,303	1,050,788	1,605,841
<b>Funding sources:</b>							
Utilities Reserves	195,000	325,000	487,500	575,000	135,000	250,000	125,000
Grants	1,765,596	200,000	6,384,200	3,225,000	50,000	500,000	600,000
General Fund	75,000	155,100	155,100	155,100	155,100	155,100	155,100
Donations/Insurance	-	-	-	-	-	-	-
REET	148,744	50,000	775,000	-	-	-	-
.2% Trans Tax	765,300	780,606	796,218	812,142	828,385	844,953	861,852
Project Costs	(3,530,200)	(1,055,000)	(8,021,700)	(5,215,000)	(1,325,000)	(1,195,000)	(1,400,000)
Ending Cash Balance	623,036	1,078,742	1,655,060	1,207,303	1,050,788	1,605,841	1,947,793
<b>Projected Depreciation</b>	<b>1,301,118</b>	<b>1,406,043</b>	<b>1,539,638</b>	<b>1,798,433</b>	<b>2,163,423</b>	<b>2,571,119</b>	<b>3,010,365</b>
Cash to depreciation ratio	48%	77%	107%	67%	49%	62%	65%

The City committed to maintaining the average investment in Streets after the TBD was voted in, this amounts to \$125,000 per year. Each year the GF is inputting more than average for the CFP period.

PROJECTS COMPLETED IN 2018		ACTUAL	Budget
TR0118	8th Street Bridge Barriers	863,906	995,000
TR0216	Tumwater Bridge Joint	181,789	223,900
<b>TOTAL COMPLETED PROJECTS</b>		<b>1,045,695</b>	<b>1,218,900</b>

TRANSPORTATION BENEFIT DISTRICT FUNDS	ACTUAL	Budget
2018	827,542	700,000
<b>TOTAL COLLECTIONS</b>	<b>827,542</b>	<b>700,000</b>

Completed projects are not included in the ongoing projects totals for expenditures or revenues. Only projects accepted as final are included in this listing.



# TRANSPORTATION BENEFIT DISTRICT PROJECTS

## REVOLVING STREET IMPROVEMENTS

TR1118

PROJECT STATUS: REVOLVING  
 LATITUDE / LONGITUDE: 48.118644252, -123.43373539  
 PROJECT MANAGER: ERIC WHEATLEY  
 TYPE: RESTORATION  
 TRANSPORTATION BENEFIT DISTRICT FUNDED

**Maintenance Cost Descriptions:**

Estimated life 35 years

**ABOUT THE PROJECT:**

Street related small capital projects throughout the City for asphalt, sidewalks, curbing, and docks.

**JUSTIFICATION:**

Set aside funds for small projects from the Transportation Benefit District. The TBD allows the City to capitalize improvements over \$7,500.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Transportation District	-	30,000	30,000	30,000	30,000	30,000	30,000	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</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>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	30,000	30,000	30,000	30,000	30,000	30,000	-
<b>TOTAL</b>	<b>\$ -</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>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	857	1,714	2,571	3,429	4,286	5,143
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 857</b>	<b>\$ 1,714</b>	<b>\$ 2,571</b>	<b>\$ 3,429</b>	<b>\$ 4,286</b>	<b>\$ 5,143</b>

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



PROJECT STATUS: REVOLVING  
 LATITUDE / LONGITUDE:  
 48.112243000, -123.427812000  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: RESTORATION  
 TRANSPORTATION BENEFIT  
 DISTRICT FUNDED



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

This project involves paving of alleys and exists as a revolving fund. The funds are transferred in from the Collection Division, for use on future alley projects. Tentative funding for 2019 - \$112,500 to First, Second and Green Alley Projects, 2020 and 2021 \$200,000 to 6/7 Alley between Francis and Washington, other years have not been defined, and will add to the alley paving revolving funds.

**JUSTIFICATION:**

The Solid Waste packer trucks cause extra wear and tear that breaks down the alleyway while performing trash pickup activities. Due to the additional wear incurred the Solid Waste Fund is providing funding for replacement of damaged alleyways.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ 655,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000
Grants	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 655,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design - Trf to projects	-	-	-	-	-	-	-	-
Construction- Trf to projects	-	125,000	125,000	125,000	125,000	125,000	125,000	125,000
<b>TOTAL</b>	<b>\$ -</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>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	1,563	3,125	4,688	6,250	7,813	9,375
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,563</b>	<b>\$ 3,125</b>	<b>\$ 4,688</b>	<b>\$ 6,250</b>	<b>\$ 7,813</b>	<b>\$ 9,375</b>

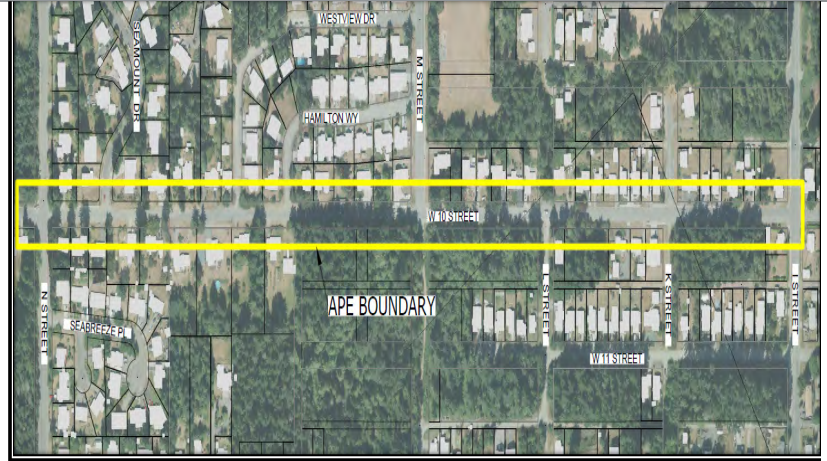
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



# 10TH STREET RECONSTRUCTION (I TO N STREETS)

TR1100

PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.126992144, -123.479491711  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: RESTORATION  
 TRANSPORTATION BENEFIT  
 DISTRICT FUNDED



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

### ABOUT THE PROJECT:

Installation of curb, gutter, sidewalk, bike lanes, drainage, and new asphalt between N and M. Overlay between I and M. City was awarded a TIB grant. The remaining amount to be covered by REET and TBD funds. This project now includes TR1200 scope.

### JUSTIFICATION:

This project will repair the failing street base, and construct a sidewalk and bike lane on an arterial which is a designated school walking route.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	893,270	356,730	-	-	-	-	-	-
Transportation District	505,000	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	125,000	85,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 1,523,270</b>	<b>\$ 476,730</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	20,000	-	-	-	-	-	-	-
Construction	1,535,984	444,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 1,555,984</b>	<b>\$ 444,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	25,000	25,000	25,000	25,000	25,000	25,000
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>

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



# LAURIDSEN BLVD OVERLAY (LINCOLN TO ENNIS STREETS)

TR0515

PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE: 48.105182780, -123.429993153  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: PRESERVATION  
 TRANSPORTATION BENEFIT DISTRICT FUNDED

Maintenance Cost Descriptions:
Estimated life 80 years

## ABOUT THE PROJECT:

This project involves the overlay of Lauridsen Blvd from Lincoln Street to Ennis Street. Design will be done in house. The City was awarded a TIB Grant in the amount of \$580,800. Project is dependent on obtaining grant funding. Project will also include traffic calming chicanes, curb bump outs and flashing cross walk beacons to calm the speed of traffic and allow easier pedestrian crossing of Lauridsen between Lincoln and Race.

## JUSTIFICATION:

The overlay will extend the life of the pavement, traffic calming will improve pedestrian safety.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	585,800	-	-	-	-	-	-
Transportation District	-	445,000	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 1,030,800</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	45,000	-	-	-	-	-	-
Construction	-	985,800	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 1,030,800</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	12,885	12,885	12,885	12,885	12,885	12,885
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 12,885</b>	<b>\$ 12,885</b>	<b>\$ 12,885</b>	<b>\$ 12,885</b>	<b>\$ 12,885</b>	<b>\$ 12,885</b>

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



# PEABODY CREEK/LINCOLN STREET CULVERT REPAIR

TR0414

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.118031141, -123.431623936  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: RESTORATION  
 TRANSPORTATION BENEFIT DISTRICT FUNDED

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Repair of the culvert which carries Peabody Creek under Lincoln Street. This project will repair the invert of the culvert, stabilize adjacent soil and include rehabilitation of the culvert with a shotcrete liner. This project will receive funding from Washington State Department of Transportation for their percentage of ownership of the culvert; the City will apply for a 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 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ 176,300	\$ -	\$ -	\$ -	\$ 450,000	\$ -	\$ -	\$ -
Grants	-	255,000	-	-	2,550,000	-	-	-
Transportation District	-	-	-	-	-	-	-	-
General Fund	15,000	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 191,300</b>	<b>\$ 255,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	446,300	-	-	-	-	-	-
Construction	-	-	-	-	3,000,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 446,300</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	5,579	5,579	5,579	43,079	43,079	43,079
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,579</b>	<b>\$ 5,579</b>	<b>\$ 5,579</b>	<b>\$ 43,079</b>	<b>\$ 43,079</b>	<b>\$ 43,079</b>

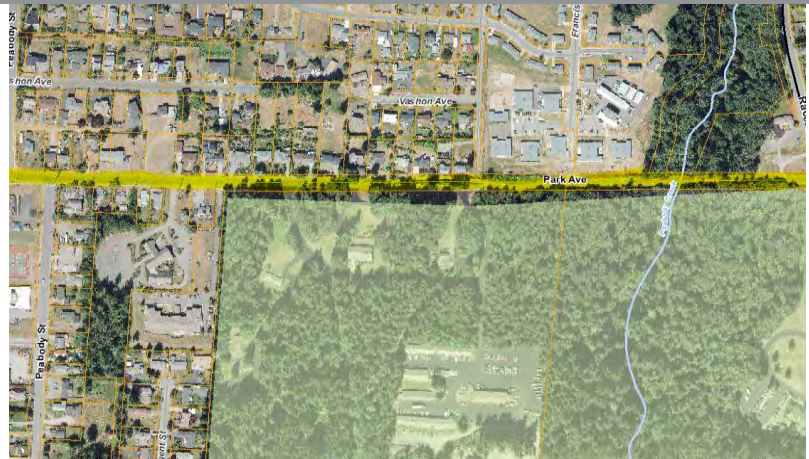
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



# PARK AVENUE CHIP SEAL (PEABODY TO RACE STREETS)

TR1299

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.101653217, -123.430490972  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: PRESERVATION  
 TRANSPORTATION BENEFIT



<i>Maintenance Cost Descriptions:</i>
Estimated life 20 years

### ABOUT THE PROJECT:

The project involves the chip sealing of Park Avenue from Peabody to Race. The design will be done in-house.

### JUSTIFICATION:

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects stop City streets from falling into poor condition. It costs less to maintain streets in good condition than to repair streets in poor condition.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-
General Fund	120,000	10,000	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 120,000</b>	<b>\$ 10,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	130,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 130,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	6,500	6,500	6,500	6,500	6,500	6,500
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,500</b>	<b>\$ 6,500</b>	<b>\$ 6,500</b>	<b>\$ 6,500</b>	<b>\$ 6,500</b>	<b>\$ 6,500</b>

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



# PEABODY STREET CHIP SEAL PHASE I (LAURIDSEN BOULEVARD TO 8TH STREET)

TR1516

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.108236, -123.435778  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: RESTORATION  
 TRANSPORTATION BENEFIT DISTRICT FUNDED

**Maintenance Cost Descriptions:**

Estimated life 20 years

**ABOUT THE PROJECT:**

Chip seal Peabody Street between Lauridsen and 8th Street. This will extend the life of road surface which received pavement repair patches in 2016.

**JUSTIFICATION:**

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects preserve City streets from falling into poor condition. It costs less to maintain streets in good condition than to repair streets in poor condition.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-
General Fund	-	-	125,000	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	125,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	6,250	6,250	6,250	6,250	6,250
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,250</b>	<b>\$ 6,250</b>	<b>\$ 6,250</b>	<b>\$ 6,250</b>	<b>\$ 6,250</b>

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



# PEABODY STREET CHIP SEAL PHASE III (AHLVERS ROAD TO PARK AVENUE)

TR0215

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.097408306, -123.437672853  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: PRESERVATION  
 TRANSPORTATION BENEFIT DISTRICT FUNDED

Maintenance Cost Descriptions:
Estimated life 20 years

### ABOUT THE PROJECT:

This project involves the chip sealing of Peabody Street from Ahlvers Road to Park Avenue. Design will be done in house.

### JUSTIFICATION:

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects preserve City streets from falling into poor condition which cost less to maintain.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Transportation District	-	-	125,000	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	125,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	6,250	6,250	6,250	6,250	6,250
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,250</b>	<b>\$ 6,250</b>	<b>\$ 6,250</b>	<b>\$ 6,250</b>	<b>\$ 6,250</b>

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



# PEABODY STREET CHIP SEAL PHASE II (PARK AVENUE TO LAURIDSEN BOULEVARD)

TR0315

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.104002083, -123.438370228  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: PRESERVATION  
 TRANSPORTATION BENEFIT DISTRICT FUNDED



**Maintenance Cost Descriptions:**

Estimated life 20 years

**ABOUT THE PROJECT:**

This project involves the chip sealing of Peabody Street from Park Avenue to Lauridsen Boulevard. Design will be done in house.

**JUSTIFICATION:**

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Transportation District	-	-	200,000	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	200,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	10,000	10,000	10,000	10,000	10,000
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ 10,000</b>	<b>\$ 10,000</b>	<b>\$ 10,000</b>	<b>\$ 10,000</b>

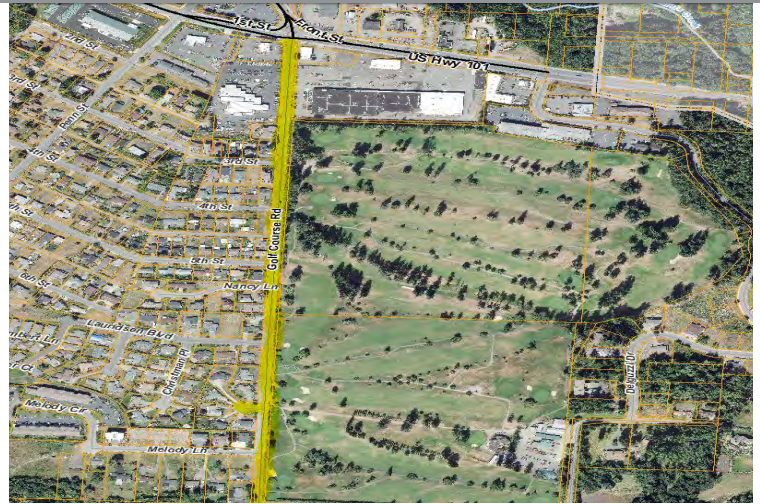
Maintenance includes reductions and additions to depreciation, labor, repairs, software, monthly communication fees, utilities, etc.



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

TR0615

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.100133103, -123.402432919  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: RESTORATION  
 TRANSPORTATION BENEFIT DISTRICT FUNDED



**Maintenance Cost Descriptions:**

Estimated life 20 years

**ABOUT THE PROJECT:**

This project involves the overlay of asphalt on Golf Course Road from 1st Street to Lindberg Road. Design will be done in house.

**JUSTIFICATION:**

The overlay is needed because the asphalt has gone beyond the life expectancy and potholes and rutting have developed.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Transportation District	-	-	-	200,000	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	200,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	10,000	10,000	10,000	10,000
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ 10,000</b>	<b>\$ 10,000</b>	<b>\$ 10,000</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.1165531, -123.433276  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: SAFETY  
 TRANSPORTATION BENEFIT DISTRICT FUNDED

Maintenance Cost Descriptions:
Estimated life 80 years

**ABOUT THE PROJECT:**

Install pedestrian and traffic safety treatments on Lincoln Street between 2nd and 8th Streets to improve safety. Key elements will include curb extensions, median refuge islands, pedestrian activated becons, lane channelization, and traffic signal.

**JUSTIFICATION:**

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

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	135,000	100,000	1,150,000	-	-	-	-
Transportation District	-	-	-	100,000	-	-	-	-
General Fund Reserves	-	-	-	-	-	-	-	-
Street Vacations	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 135,000</b>	<b>\$ 100,000</b>	<b>\$ 1,250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	135,000	100,000	-	-	-	-	-
Construction	-	-	-	1,250,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 135,000</b>	<b>\$ 100,000</b>	<b>\$ 1,250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	1,688	2,938	18,563	18,563	18,563	18,563
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,688</b>	<b>\$ 2,938</b>	<b>\$ 18,563</b>	<b>\$ 18,563</b>	<b>\$ 18,563</b>	<b>\$ 18,563</b>

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



PROJECT STATUS: PRE-PLANNING  
 LATITUDE / LONGITUDE: 48.127794, -123.474806  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: PEDESTRIAN/BIKE  
 TRANSPORTATION BENEFIT DISTRICT FUNDED

Maintenance Cost Descriptions:
Estimated life 35 years

**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 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	170,000	-	-	-
General Fund	-	15,000	-	-	30,000	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 15,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	15,000	-	-	-	-	-	-
Construction	-	-	-	-	200,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 15,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	429	429	429	6,143	6,143	6,143
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 429</b>	<b>\$ 429</b>	<b>\$ 429</b>	<b>\$ 6,143</b>	<b>\$ 6,143</b>	<b>\$ 6,143</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.114172, -123.420314  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: PEDESTRIAN/BIKE  
 TRANSPORTATION BENEFIT DISTRICT FUNDED



<i>Maintenance Cost Descriptions:</i>
Estimated life 35 years

**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 TIB Complete Street grant funds to accelerate construction of this project.

**JUSTIFICATION:**

Curb ramps do not meet ADA compliance.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	200,000	-	-	-	-
Transportation District	-	-	20,000	80,000	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,000</b>	<b>\$ 280,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	-	300,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	8,571	8,571	8,571
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 8,571</b>	<b>\$ 8,571</b>	<b>\$ 8,571</b>

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



# STEVENS MIDDLE SCHOOL WALKING ROUTES TR0618

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.1163286, -123.4618428  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: SAFETY  
 TRANSPORTATION BENEFIT DISTRICT FUNDED

<i>Maintenance Cost Descriptions:</i>
Estimated life 35 years

**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 2019	CAPITAL FACILITY PLAN						
			2020	2021	2022	2023	2024	2025	
Electric Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	50,000	500,000	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	100,000	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 600,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	50,000	-	-
Construction	-	-	-	-	-	-	600,000	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 600,000</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	18,571
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 18,571</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.127353072, -123.483517169  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: PRESERVATION  
 TRANSPORTATION BENEFIT DISTRICT FUNDED

Maintenance Cost Descriptions:
Estimated life 20 years

**ABOUT THE PROJECT:**

This project involves the chip sealing of N Street from 5th Street to 15th Street. Design will be done in house.

**JUSTIFICATION:**

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects keep City streets from falling into poor condition, which cost less to maintain.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	300,000	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	-	300,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	15,000	15,000	15,000
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.1218317, -123.4671465  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: PRESERVATION  
 TRANSPORTATION BENEFIT DISTRICT FUNDED



Maintenance Cost Descriptions:
Estimated life 20 years

**ABOUT THE PROJECT:**

This project involves the chip sealing of I Street from 5th Street to 16th Street. Design will be done in house.

**JUSTIFICATION:**

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects keep City streets from falling into poor condition, which cost less to maintain.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	200,000	-	-
General Fund	-	-	-	-	-	100,000	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	300,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	15,000	15,000
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.123064, -123.463908  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: PRESERVATION  
 TRANSPORTATION BENEFIT DISTRICT FUNDED



<i>Maintenance Cost Descriptions:</i>
Estimated life 20 years

**ABOUT THE PROJECT:**

The project involves the chip sealing of 8th Street from A to I Street. Design will be done in house.

**JUSTIFICATION:**

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects preserve City streets from falling into poor condition. It costs less to maintain streets in good condition than streets in poor conditions.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	300,000	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	-	300,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	15,000	15,000	15,000
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.124419, -123.458457  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: PRESERVATION  
 TRANSPORTATION BENEFIT DISTRICT FUNDED



Maintenance Cost Descriptions:
Estimated life 20 years

**ABOUT THE PROJECT:**

This 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 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	300,000	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	300,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	15,000	15,000
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.1083644, -123.4101987  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: PRESERVATION  
 TRANSPORTATION BENEFIT DISTRICT FUNDED

<i>Maintenance Cost Descriptions:</i>
Estimated life 40 years

**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 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	70,000	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 70,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	-	70,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 70,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	1,750	1,750	1,750
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,750</b>	<b>\$ 1,750</b>	<b>\$ 1,750</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.1050932, -123.4151604  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: RESTORATION  
 TRANSPORTATION BENEFIT DISTRICT FUNDED



Maintenance Cost Descriptions:
Estimated life 50 years

**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. Coordinate with Liberty Watermain replacement WT0111.

**JUSTIFICATION:**  
 The roadway has experienced structural failure.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN						
			2020	2021	2022	2023	2024	2025	
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	10,000	450,000	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ 450,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	10,000	-	-	-
Construction	-	-	-	-	-	450,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ 450,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	200	9,200	9,200
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200</b>	<b>\$ 9,200</b>	<b>\$ 9,200</b>

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



# PARK AVENUE PAVING OVERLAY (RACE TO LIBERTY STREETS)

TR0915

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.101910004, -123.421006681  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: PRESERVATION  
 TRANSPORTATION BENEFIT DISTRICT FUNDED

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

### 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 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	15,000	375,000
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000</b>	<b>\$ 375,000</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	15,000	-
Construction	-	-	-	-	-	-	-	375,000
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000</b>	<b>\$ 375,000</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	300
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300</b>

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



# SCHOOL AREA SPEED SIGNS (NEAR FRANKLIN) TR1116

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.103628, -123.423178  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: SAFETY  
 TRANSPORTATION BENEFIT DISTRICT FUNDED

Maintenance Cost Descriptions:
Estimated life 50 years

**ABOUT THE PROJECT:**

The project will install electronic speed signs near Franklin School.

**JUSTIFICATION:**

Improve safety near school.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN						
			2020	2021	2022	2023	2024	2025	
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	50,000	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	50,000	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	1,000	1,000
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,000</b>	<b>\$ 1,000</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.1112, -123.433156  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: PEDESTRIAN/BIKE  
 TRANSPORTATION BENEFIT DISTRICT FUNDED

Maintenance Cost Descriptions:
Estimated life 35 years

**ABOUT THE PROJECT:**

Curb ramps will be installed to provide sidewalk accessibility and meet ADA compliance.

**JUSTIFICATION:**

Curb ramps do not meet ADA compliance.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	10,000	300,000	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ 300,000</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	10,000	-	-
Construction	-	-	-	-	-	-	300,000	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ 300,000</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	286	8,857
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 286</b>	<b>\$ 8,857</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.114560, -123.442997  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: PRESERVATION  
 TRANSPORTATION BENEFIT DISTRICT FUNDED

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**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.

**JUSTIFICATION:**

The overlay will extend the life of the pavement.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					2025
			2020	2021	2022	2023	2024	
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	600,000
Transportation District	-	-	-	-	-	-	-	300,000
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 900,000

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	900,000
<b>TOTAL</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 900,000

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	-
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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



# TRANSPORTATION BENEFIT DISTRICT UNFUNDED CAPITAL PROJECTS

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

## RAILROAD AVENUE OVERLAY

TR0818

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.11918, -123.4326137  
PROJECT MANAGER: JONATHAN BOEHME  
TYPE: RESTORATION

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

### ABOUT THE PROJECT:

This project involves the overlay of asphalt with reinforced mesh on Railroad Ave between Lincoln and Laurel. Design will be done in house. Estimated project cost \$200,000.

### JUSTIFICATION:

The overlay is needed because the asphalt has a PCI rating of 27 out of 100, has gone beyond the life expectancy and potholes and rutting have developed.



# LAUREL STREET/AHLVERS ROAD

TR0499

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE:  
48.094521134, -123.441485881  
PROJECT MANAGER: JONATHAN BOEHME  
TYPE: RESTORATION



*Maintenance Cost Descriptions:*

Estimated life 80 years

**ABOUT THE PROJECT:**

This project will overlay Ahlvers Road from Peabody to Laurel and 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. Estimated project cost \$400,000.

**JUSTIFICATION:**

Restore pavement condition, safety for walkers.

# ADA - CHERRY STREET

TR0816

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.117139, -123.440722  
PROJECT MANAGER: JONATHAN BOEHME  
TYPE: PEDESTRIAN/BIKE

*Maintenance Cost Descriptions:*

Estimated life 35 years

**ABOUT THE PROJECT:**

Curb ramps will be installed to provided sidewalk accessibility and meet ADA compliance. \$300,000 on hold until funding is identified.

**JUSTIFICATION:**

Curb ramps do not meet ADA compliance.



# OLD MILL ROAD PAVING (AHLVERS ROAD TO CITY LIMITS) TR0815

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.088507217, -123.441013814  
PROJECT MANAGER: JONATHAN BOEHME  
TYPE: PRESERVATION

<i>Maintenance Cost Descriptions:</i>
Estimated life 20 years

**ABOUT THE PROJECT:**

This project involves the chip seal of asphalt on Old Mill Road. Design will be done in house.

**JUSTIFICATION:**

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway. Preservation projects keep City streets from falling into poor condition, which cost less to maintain.

# CHERRY STREET AREA CHIP SEAL TR1015

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.112146051, -123.445022106  
PROJECT MANAGER: JONATHAN BOEHME  
TYPE: PRESERVATION

<i>Maintenance Cost Descriptions:</i>
Estimated life 20 years

**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 with an estimated project cost of \$750,000.

**JUSTIFICATION:**

The chip seal will extend the life of the pavement and reduce the cost to overlay or reconstruct the roadway.



PROJECT STATUS: UNFUNDED  
 LATITUDE / LONGITUDE: 48.115986, -123.437817  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: PEDESTRIAN/BIKE

<i>Maintenance Cost Descriptions:</i>
Estimated life 35 years

**ABOUT THE PROJECT:**

Curb ramps will be installed to provided sidewalk accessibility and meet ADA compliance. Estimated project cost \$300,000.

**JUSTIFICATION:**

Curb ramps do not meet ADA compliance.

PROJECT STATUS: UNFUNDED  
 LATITUDE / LONGITUDE: 48.10218559, -123.442438602  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: MOBILITY

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Improve the intersection at Laurel Street and Lauridsen Boulevard. The City is researching both traffic signal and round-a-bout options. Estimated project cost \$1.8 million. 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 WSDOT agreed. Money exists from a developer and is being held PRD. Without improvement this street can become a hazardous intersection.



PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.120352320, -123.440580368  
PROJECT MANAGER: JONATHAN BOEHME  
TYPE: RESTORATION

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Reconstruction of Valley Street from 1st Street to 6th Street to correct structural failure of the roadway and culvert. Estimated project cost \$550,000.

**JUSTIFICATION:**

The roadway has experienced structural failure along the east side as well as the culvert and under the roadway.

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.126666162, -123.492413519  
PROJECT MANAGER: JONATHAN BOEHME  
TYPE: RESTORATION

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Pave, add curbs, gutters, drainage, and utilities to the current gravel road. Right-of-way would need to be purchased at approximately \$490,000. Estimated project cost \$1,500,000.

**JUSTIFICATION:**

This is an incomplete arterial road by City Standards.



# HILL STREET INTERSECTION RECONSTRUCTION TR0599

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.128664998, -123.462892055  
PROJECT MANAGER: JONATHAN BOEHME  
TYPE: MOBILITY

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Realignment of Hill Street to 4th Street, and Hill Street to Marine Drive. Estimated cost \$485,000.

**JUSTIFICATION:**

The intersection occurs at the top of a hill (4th and Hill Street) which makes line of sight a problem at this location.

# TRUCK ROUTE AT US HWY 101 INTERSECTION TR1799

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.106525074, -123.465964793  
PROJECT MANAGER: JONATHAN BOEHME  
TYPE: MOBILITY

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Provide westbound to northbound access from US 101 to the Tumwater Truck Route. Estimated project cost \$6,000,000.

**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.



PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.1126732, -123.433784  
PROJECT MANAGER: JONATHAN BOEHME  
TYPE: PRESERVATION

<i>Maintenance Cost Descriptions:</i>
Estimated life 20 years

**ABOUT THE PROJECT:**

The project involves the chip sealing of Chase Street and crossing streets between 4th and 8th streets. Estimated project cost \$320,000.

**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.

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.1126732, -123.433784  
PROJECT MANAGER: JONATHAN BOEHME  
TYPE: RESTORATION

<i>Maintenance Cost Descriptions:</i>
Estimated life 20 years

**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. Estimated project cost \$700,000.

**JUSTIFICATION:**

The roadway is experiencing structural failure.



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.134477, -123.465339  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: RESTORATION



**Maintenance Cost Descriptions:**

Estimated life 50 years

**ABOUT THE PROJECT:**

Repair the bridge approach and abutments from the Marine Channel Bridge and restore failing pavement through the McKinley Mill area. STP and TIB grant funding will be sought for this project. Additionally, the need to examine lease documents for the existing mill site exists with potential offset in General Fund costs for that area.

**JUSTIFICATION:**

The bridge and adjacent roadway was inspected and determined that it is failing.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	578,882	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-
General Fund	95,348	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 674,230</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	39,816	-	-	-	-	-	-	-
Construction	285,071	319,800	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 324,887</b>	<b>\$ 319,800</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

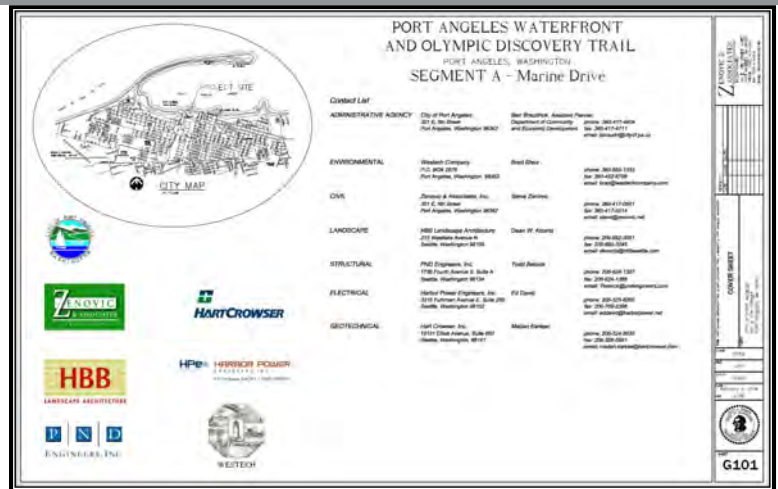
OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	12,895	12,895	12,895	12,895	12,895	12,895
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 12,895</b>	<b>\$ 12,895</b>	<b>\$ 12,895</b>	<b>\$ 12,895</b>	<b>\$ 12,895</b>	<b>\$ 12,895</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.12958793, -123.466565608  
 PROJECT MANAGERS: ALLYSON BREKKE/  
 JONATHAN BOEHME  
 TYPE: PEDESTRIAN/BIKE

<b>Maintenance Cost Descriptions:</b>
Estimated life 80 years



### ABOUT THE PROJECT:

This project would complete 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 would follow the old railroad grade. This would include portions of Marine Drive to Crown Park, a new trailhead and parking area. Construction portion is estimated at \$3 million. The City has been approved for a \$1,421,700 Washington State RCO grant. A 30% grant match is required.

### JUSTIFICATION:

Pedestrians and bicyclists have a very narrow shoulder to travel on when using the ODT along Hill Street. This project will safely get them off of the road to travel on a designated portion of the trail instead of the current roadside.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	17,263	-	1,421,700	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	3,744	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 21,007</b>	<b>\$ -</b>	<b>\$ 1,421,700</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	46,000	-	-	-	-	-	-
Construction	-	-	-	1,421,700	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 46,000</b>	<b>\$ -</b>	<b>\$ 1,421,700</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	20,602	20,602	20,602	20,602
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,602</b>	<b>\$ 20,602</b>	<b>\$ 20,602</b>	<b>\$ 20,602</b>

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



# RACE COMPLETE STREET - DESIGN & CONSTRUCTION PHASE I

TR0209

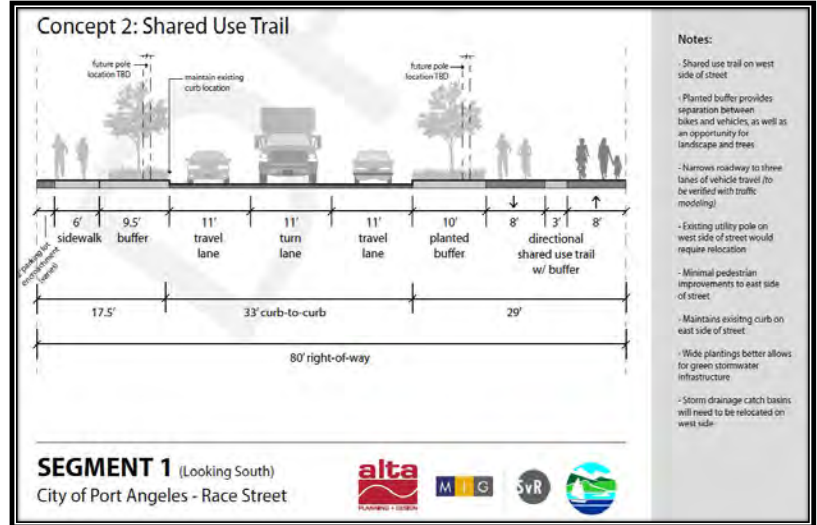
PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE:  
 48.109905298, -123.421770572  
 PROJECT MANAGERS:  
 ALLYSON BREKKE/JONATHAN BOEHME  
 TYPE: CIVIC IMPROVEMENT

**Maintenance Cost Descriptions:**

Estimated life 80 years

**ABOUT THE PROJECT:**

Improvements include installation of bike lanes, 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. 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. Initial phase of a III 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.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	228,615	158,803	100,000	2,600,000	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-
General Fund	47,600	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	16,200	-	15,000	400,000	-	-	-	-
<b>TOTAL</b>	<b>\$ 292,415</b>	<b>\$ 158,803</b>	<b>\$ 115,000</b>	<b>\$ 3,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	260,154	189,800	115,000	-	-	-	-	-
Construction	-	-	-	3,000,000	-	-	-	-
<b>TOTAL</b>	<b>\$ 260,154</b>	<b>\$ 189,800</b>	<b>\$ 115,000</b>	<b>\$ 3,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	44,562	44,562	44,562	44,562
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 44,562</b>	<b>\$ 44,562</b>	<b>\$ 44,562</b>	<b>\$ 44,562</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE: 48.112243000, -123.427812000  
 PROJECT MANAGERS: ALLYSON BREKKE  
 TYPE: CIVIC IMPROVEMENT

<i>Maintenance Cost Descriptions:</i>
Estimated life 20 years

**ABOUT THE PROJECT:**

The Port Angeles Wayfinding Plan and 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 2019	CAPITAL FACILITY PLAN						
			2020	2021	2022	2023	2024	2025	
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds/REET	212,000	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 212,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	\$ 513	-	-	-	-	-	-	-
Construction	-	211,500	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 513</b>	<b>\$ 211,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	10,601	10,601	10,601	10,601	10,601	10,601
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,601</b>	<b>\$ 10,601</b>	<b>\$ 10,601</b>	<b>\$ 10,601</b>	<b>\$ 10,601</b>	<b>\$ 10,601</b>

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



PROJECT STATUS: ACTIVE  
 LATITUDE / LONGITUDE: 48.106603, -103.414771  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: SAFETY

<i>Maintenance Cost Descriptions:</i>
Estimated life 15 years

**ABOUT THE PROJECT:**

The project will install solar powered electronic speed signs on 5th Street.

**JUSTIFICATION:**

To improve safety on this arterial street.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN						
			2020	2021	2022	2023	2024	2025	
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	50,000	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	50,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	3,333	3,333	3,333	3,333	3,333	3,333
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,333</b>	<b>\$ 3,333</b>	<b>\$ 3,333</b>	<b>\$ 3,333</b>	<b>\$ 3,333</b>	<b>\$ 3,333</b>

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



# PEABODY STREET SIDEWALK REPAIR

TR0519

PROJECT STATUS: DESIGN  
 LATITUDE / LONGITUDE: 48.113619, -123.30736  
 PROJECT MANAGERS: ALLYSON BREKKE  
 TYPE: PEDESTRIAN/BIKE



<i>Maintenance Cost Descriptions:</i>
Estimated life 40 years

**ABOUT THE PROJECT:**

Sidewalk along Peabody Street between 3rd and 4th Street has failed due to tree roots. Remove tree roots, replace sidewalk, driveway entrances, ADA ramps and street trees.

**JUSTIFICATION:**

Uneven sidewalk is a tripping hazard.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	60,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 95,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	5,000	-	-	-	-	-	-
Construction	-	90,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 95,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	2,375	2,375	2,375	2,375	2,375	2,375
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,375</b>	<b>\$ 2,375</b>	<b>\$ 2,375</b>	<b>\$ 2,375</b>	<b>\$ 2,375</b>	<b>\$ 2,375</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.115206153, -123.467784404  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: RESTORATION



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**  
 This project will use LID techniques to manage stormwater and also restore the street surfacing between C and L Streets. DOE has offered the City a grant with no match requirements for project design.

**JUSTIFICATION:**  
 The street needs rehabilitation because the asphalt has gone beyond the life expectancy and a number of potholes and rutting have developed.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	160,000	-	675,000	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-
General Fund	-	-	-	225,000	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 160,000</b>	<b>\$ -</b>	<b>\$ 900,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	160,000	-	900,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 160,000</b>	<b>\$ -</b>	<b>\$ 900,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	2,000	2,000	13,250	13,250	13,250	13,250
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,000</b>	<b>\$ 2,000</b>	<b>\$ 13,250</b>	<b>\$ 13,250</b>	<b>\$ 13,250</b>	<b>\$ 13,250</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.120439, -123.438569  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: RESTORATION



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**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 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ 20,000	\$ -	\$ -	\$ 112,500	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	337,500	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-
General Fund	5,000	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ 25,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 450,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

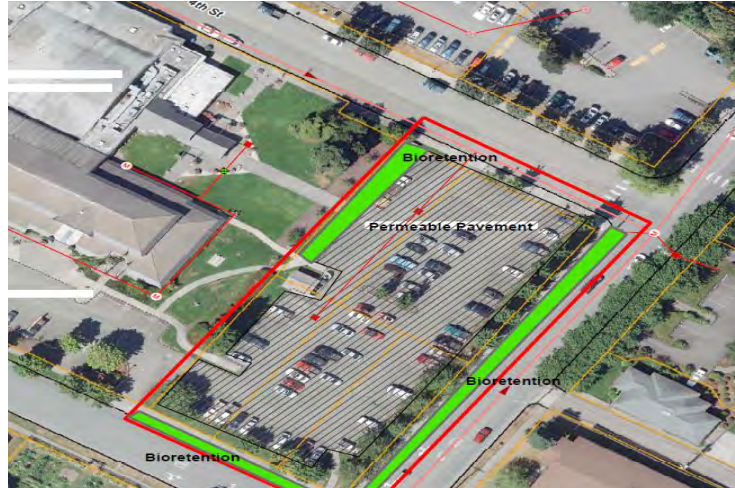
EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	22,216	-	-	-	-	-	-	-
Construction	-	-	-	450,000	-	-	-	-
<b>TOTAL</b>	<b>\$ 22,216</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 450,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	5,903	5,903	5,903	5,903
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,903</b>	<b>\$ 5,903</b>	<b>\$ 5,903</b>	<b>\$ 5,903</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.112243000, -123.427812000  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: RESTORATION



<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

This project will use LID techniques to manage stormwater and also restore parking surface. WA Department of Ecology has offered the City a grant with no match requirements for project design and the remaining amount will be from the General Fund.

**JUSTIFICATION:**

The current east lot at City Hall is wash boarding and past its normal life span. The lot does not have any stormwater controls installed to prevent pollution from entering Peabody Creek. The lot is used by multiple events through out the year and should be maintained for safety reasons.

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	102,000	-	-	375,000	-	-	-
Transportation District	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	125,000	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 102,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	102,000	-	-	-	-	-	-
Construction	-	-	-	-	500,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 102,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	12,040	12,040	12,040
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 12,040</b>	<b>\$ 12,040</b>	<b>\$ 12,040</b>

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



# 6TH/7TH ALLEY (FRANCIS TO WASHINGTON STREETS)

TR0517

PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.109105, -123.4224265  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: RESTORATION

Maintenance Cost Descriptions:
Estimated life 80 years

**ABOUT THE PROJECT:**

Alley asphalt and subgrade have failed, replace alley base and surfacing, evaluate drainage requirements.

**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 2019	CAPITAL FACILITY PLAN						
			2020	2021	2022	2023	2024	2025	
Utility Reserves	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	200,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	2,500	2,500	2,500	2,500	2,500
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,500</b>	<b>\$ 2,500</b>	<b>\$ 2,500</b>	<b>\$ 2,500</b>	<b>\$ 2,500</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.118644252, -123.43373539  
 PROJECT MANAGER: ALLYSON BREKKE/  
 JONATHAN BOEHME/COREY DELIKAT  
 TYPE: CIVIC IMPROVEMENT

Maintenance Cost Descriptions:
Estimated life 35 years

**ABOUT THE PROJECT:**

Replacement of stairs at Laurel Street from the top of the bluff to downtown with easy to maintain materials. Design will take place in 2020 with construction in 2021.

**JUSTIFICATION:**

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

FUNDING SOURCES	PRIOR YEARS	BUDGET 2019	CAPITAL FACILITY PLAN						
			2020	2021	2022	2023	2024	2025	
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	35,000	375,000	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 35,000</b>	<b>\$ 375,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	35,000	-	-	-	-	-
Construction	-	-	-	375,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 35,000</b>	<b>\$ 375,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	11,714	11,714	11,714	11,714
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 11,714</b>	<b>\$ 11,714</b>	<b>\$ 11,714</b>	<b>\$ 11,714</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.1133053, -123.4201978  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: RESTORATION



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**  
 Alley asphalt and subgrade have failed two Front street alleys. Alleys include Front/Georgiana between Race and Washington, and Front/First between Race and Francis. Replace alley base and surfacing, evaluate drainage requirements.

**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 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	-	-	-
Construction	-	-	-	250,000	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	3,125	3,125	3,125	3,125
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,125</b>	<b>\$ 3,125</b>	<b>\$ 3,125</b>	<b>\$ 3,125</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE: 48.1218317, -123.4671465  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: PEDESTRIAN/BIKE

Maintenance Cost Descriptions:
Estimated life 50 years

**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 2019	CAPITAL FACILITY PLAN						
			2020	2021	2022	2023	2024	2025	
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants	-	-	-	-	300,000	-	-	-	-
Transportation District	-	-	-	20,000	80,000	-	-	-	-
General Fund	-	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,000</b>	<b>\$ 380,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	20,000	-	-	-	-
Construction	-	-	-	-	380,000	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,000</b>	<b>\$ 380,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	8,000	8,000	8,000
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 8,000</b>	<b>\$ 8,000</b>	<b>\$ 8,000</b>

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



PROJECT STATUS: PLANNING  
 LATITUDE / LONGITUDE:  
 48.1218317, -123.4671465  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: RESTORATION



<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**  
 Alley asphalt and subgrade have failed, replace alley base and surfacing and evaluate drainage requirements.

**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 2019	CAPITAL FACILITY PLAN					
			2020	2021	2022	2023	2024	2025
Utility Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ 125,000	\$ -
Grants	-	-	-	-	-	-	-	-
Transportation District	-	-	-	-	-	-	-	-
General Fund	-	-	-	-	-	-	-	-
Donations/Insurance	-	-	-	-	-	-	-	-
Other Funds/REET	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ 125,000</b>	<b>\$ -</b>

EXPENDITURES	Prior	2019	2020	2021	2022	2023	2024	2025
Design	-	-	-	-	-	10,000	-	-
Construction	-	-	-	-	-	-	125,000	-
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ 125,000</b>	<b>\$ -</b>

OTHER OPERATING COSTS	Prior	2019	2020	2021	2022	2023	2024	2025
Labor	-	-	-	-	-	-	-	-
Supplies	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Depreciation	-	-	-	-	-	-	-	1,688
Other -explain	-	-	-	-	-	-	-	-
<b>TOTAL OTHER COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,688</b>

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



# 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

LATITUDE / LONGITUDE: 48.121773286, -123.434915540

PROJECT MANAGERS: ALLYSON BREKKE

TYPE: CIVIC IMPROVEMENT

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

### 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. Estimated project cost \$8.1 million.

### JUSTIFICATION:

Per the Comprehensive plan presentation, this will provide a beautiful entrance to our City, along with improved beaches and walking trails.



PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.121888, -123.490203  
PROJECT MANAGER: JONATHAN BOEHME  
TYPE: PEDESTRIAN/BIKE

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**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. The estimated cost is \$700,000.

**JUSTIFICATION:**

Improve bike and pedestrian safety and connect Lincoln Park to Olympic Discovery Trail.

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.112243000, -123.427812000  
PROJECT MANAGER: JONATHAN BOEHME  
TYPE: MOBILITY

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

Acquire equipment to interconnect all the traffic signals to allow computer control. This will improve traffic flow and the project would also install preemption on all signals and emergency vehicles. Estimated project cost \$725,000.

**JUSTIFICATION:**

Existing signals are fixed timed controllers or traffic signal activated by loops in the street. Installation of this equipment would allow for city-wide control and monitoring of all signals, allowing for changes in signal timing to ease traffic backup. Funding is not identified at this time.



PROJECT STATUS: UNFUNDED  
 LATITUDE / LONGITUDE:  
 48.124866627, -123.453931331  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: RESTORATION

*Maintenance Cost Descriptions:*

Estimated life 80 years

**ABOUT THE PROJECT:**

Replace the most critical portions of the wooden bulkhead and repair the walkway adjacent to Marine Drive along the Port Angeles Marina between B and E streets. The bulkhead is failing due to age, storm and water damage. The initial agreement with the Port of Port Angeles, presented to Council on 3/19/13 by Glenn Cutler, indicated cost sharing of the match portion with the Port for a STP grant. The City proposes to work on the project for the Port of Port Angeles, but the Port will provide the match to STP funds. Due to the high cost of fixing the entire length of the bulkhead, an approach to fix the most deteriorated areas will be undertaken. This project is currently unfunded.



**JUSTIFICATION:**

Erosion could cause the failure of the wall with loss of this section of the Olympic Discovery Trail and traffic could be impacted.

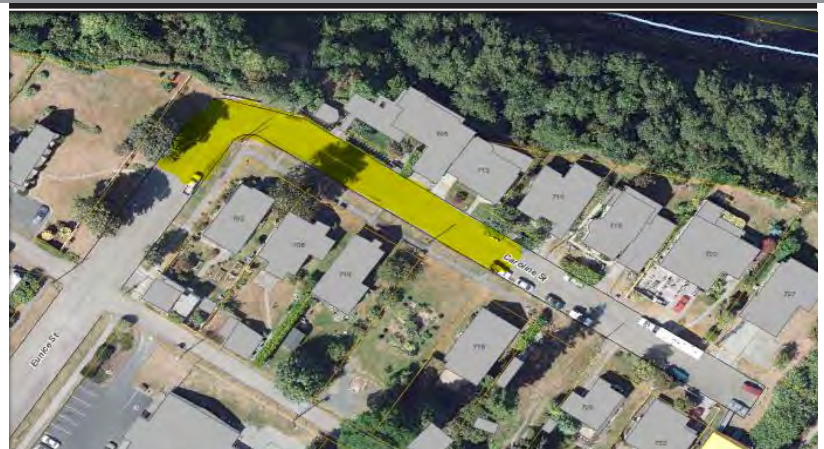
PROJECT STATUS: UNFUNDED  
 LATITUDE / LONGITUDE:  
 48.115164554, -123.411934595  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: RESTORATION

*Maintenance Cost Descriptions:*

Estimated life 80 years

**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. Estimated project cost \$375,000.



**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  
LATITUDE / LONGITUDE: 48.113464094, -123.418543340  
PROJECT MANAGER: NATHAN WEST  
TYPE: PEDESTRIAN/BIKE

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

Create pedestrian oriented nodes at 1st and Front streets where it intersects with Race Street. Design was completed during the WTIP planning in 2012 and expensed in 2013. Estimated project cost \$423,000.

**JUSTIFICATION:**

The nodes would reduce traffic speed allowing for safer crossing and a more attractive appearance.

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.101986, -123.403181  
PROJECT MANAGER: JONATHAN BOEHME  
TYPE: RESTORATION

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

The project will rebuild Nancy Lane. Estimated project cost \$200,000.

**JUSTIFICATION:**

Pavement has failed and potholes and rutting have developed.



PROJECT STATUS: UNFUNDED  
 LATITUDE / LONGITUDE: 48.113217680, -123.446798801  
 PROJECT MANAGER: ALLYSON BREKKE/  
 JONATHAN BOEHME  
 TYPE: PEDESTRIAN/BIKE

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**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. Estimated project costs \$100,000.

**JUSTIFICATION:**

Provide additional nature trails within the City. Additional funding has not been identified.

PROJECT STATUS: UNFUNDED  
 LATITUDE / LONGITUDE: 48.103560747, -123.420002460  
 PROJECT MANAGERS: ALLYSON BREKKE/  
 JONATHAN BOEHME  
 TYPE: MOBILITY

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**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 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  
 LATITUDE / LONGITUDE: MULTIPLE LOCATIONS  
 PROJECT MANAGER: ALLYSON BREKKE  
 TYPE: CIVIC IMPROVEMENT

<i>Maintenance Cost Descriptions:</i>
Estimated life 25 years

**ABOUT THE PROJECT:**

To create public view points and overlooks along the bluff above downtown in available right-of-way. Estimated project cost \$75,000.

**JUSTIFICATION:**

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.

DOWNTOWN TREE/SIDEWALK REPLACEMENT PHASE II TR0918

PROJECT STATUS: UNFUNDED  
 LATITUDE / LONGITUDE: MULTIPLE LOCATIONS  
 PROJECT MANAGER: COREY DELIKAT  
 TYPE: PEDESTRIAN/BIKE

<i>Maintenance Cost Descriptions:</i>
Estimated life 35 years

**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. This project is estimated at \$200,000.

**JUSTIFICATION:**

If not completed, the City will continue to have infrastructure issues along the Downtown corridor.



PROJECT STATUS: UNFUNDED  
 LATITUDE / LONGITUDE: MULTIPLE LOCATIONS  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: SAFETY

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

This project will install stop signs, yield signs or traffic circles at uncontrolled intersections. Estimated project costs \$200,000.

**JUSTIFICATION:**

Provide traffic control at uncontrolled intersections to reduce the number and severity of accidents.

PROJECT STATUS: UNFUNDED  
 LATITUDE / LONGITUDE: MULTIPLE LOCATIONS  
 PROJECT MANAGER: ALLYSON BREKKE/  
 JONATHAN BOEHME  
 TYPE: CIVIC IMPROVEMENT

<i>Maintenance Cost Descriptions:</i>
Estimated life 50 years

**ABOUT THE PROJECT:**

Replacement of Zig-Zag Ramp at Oak Street from the top of the bluff to downtown with easy to maintain materials. Unfunded until a funding source can be determined at \$500,000.

**JUSTIFICATION:**

The condition of the zig-zag is questionable, which will increase costly maintenance and repairs.



PROJECT STATUS: UNFUNDED  
 LATITUDE / LONGITUDE: 48.109905298, -123.421770572  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: CIVIC IMPROVEMENT

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**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  
 LATITUDE / LONGITUDE: 48.113087, -123.418365  
 PROJECT MANAGER: JONATHAN BOEHME  
 TYPE: CIVIC IMPROVEMENT

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**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. However traffic impacts to vehicular movement through the City may require additional capacity projects to mitigate the effects, and increase 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.



# SIDEWALKS FOR MT ANGELES ROAD & PORTER STREET

TR0819

PROJECT STATUS: UNFUNDED  
LATITUDE / LONGITUDE: 48.09969, -123.419083  
PROJECT MANAGER: JONATHAN BOEHME  
TYPE: SAFETY/PEDESTRIAN/BIKE

<i>Maintenance Cost Descriptions:</i>
Estimated life 80 years

**ABOUT THE PROJECT:**

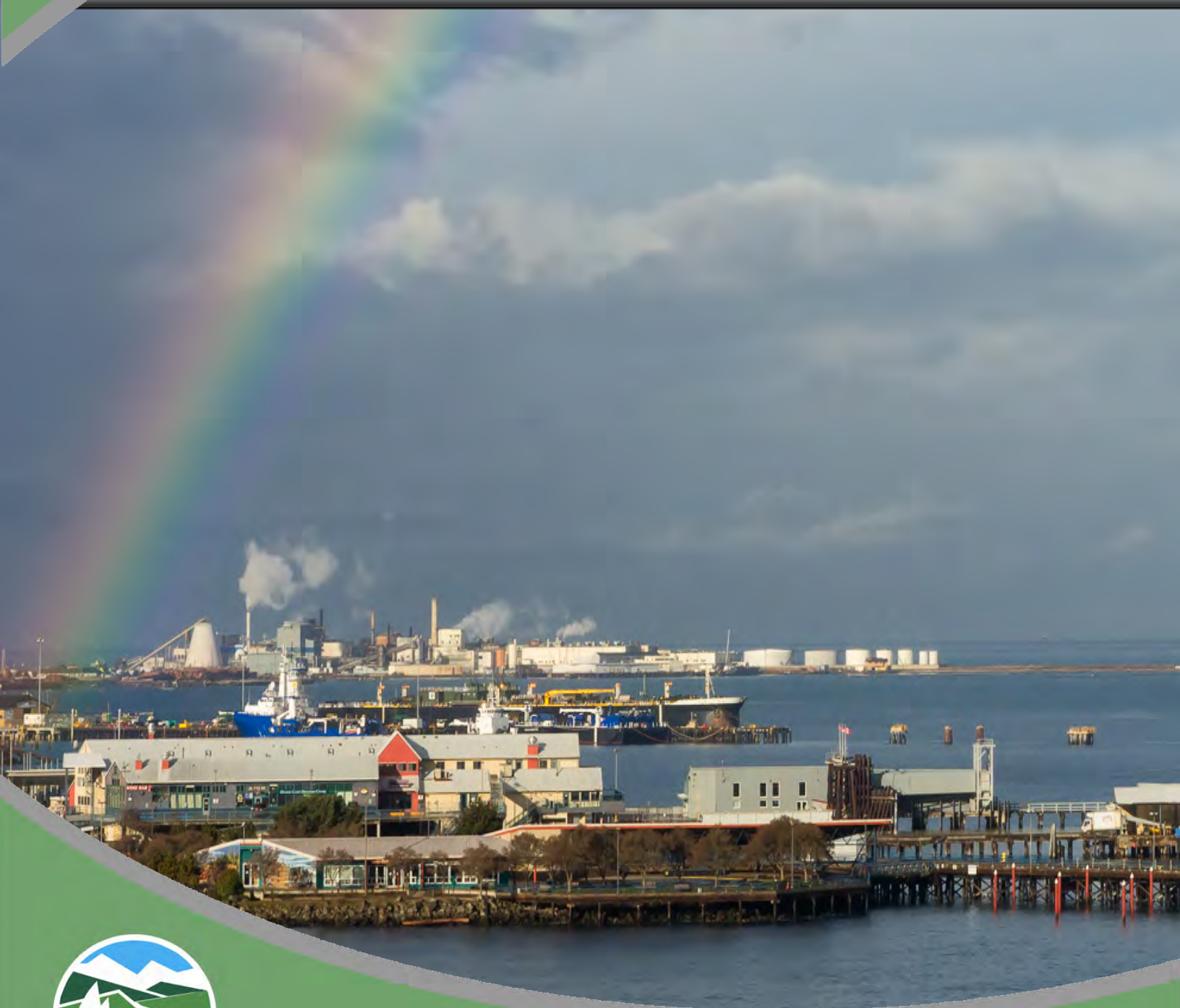
Sidewalk along Porter St and Mt Angeles Rd do not currently exist. These are walking routes to Peninsula College, Franklin Elementary School, the Boys & Girls Club and Port Angeles High School. Install sidewalks, with curb ramps on designated school walking routes from Eckert North to Park Ave on both Porter St and Mt Angeles Rd. 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 total costs.

**JUSTIFICATION:**

Increase safety for all in accessing schools and the city.



# 2018 COMPLETED PROJECTS



# 2018 COMPLETED PROJECTS - GOVERNMENTAL PROJECTS

CAPITAL IMPROVEMENT FUND		Actual	Budget
CAPGF	Sr Center Multipurpose room/stage/stairs	8,518	15,500
CAPGF	Tables/Chairs for Public use	8,809	7,500
CAPPC	Pencom Equipment	17,512	57,100
PD0116	Mobile Data Terminal replacements	49,039	50,000
FD0415	Fire Department TurnOut Gear (Revolving)	160,316	171,600
FD0118	Defibrillators (Revolving)	33,883	33,000
GG0716	Fire Department living area	45,554	50,000
PK0118	BMX Starting gate	20,000	30,000
PK0214	Erickson Playfield Camera	44,775	40,000
PK1106	City Pier Float Replacement	251,009	279,891
<b>TOTAL COMPLETED PROJECTS</b>		<b>639,415</b>	<b>719,091</b>

## INTERNAL SERVICES

EQUIPMENT SERVICES FUND		Actual	Budget
CAPES	Fuel Pump suction Line replacement	31,170	28,200
CAPES	Welder	10,995	15,000
CAPES	Replace #138 1 T 4x4	62,731	68,700
CAPES	Replace #143 Knuckleboom	192,260	197,500
CAPES	Replace #1856 w/ Van #1837	36,551	40,000
CAPES	Replace 5331 GM Mower #1836	71,552	76,500
CAPES	Replace New Holland tractor #1830	43,280	45,000
CAPES	Replace El Dorado Bus Sr Ctr #1735	84,681	86,000
CAPES	Replace 6102 w 1813	45,458	49,500
CAPES	Replace 6103 w 1814	44,833	49,500
CAPES	Replace 6105 w 1815	45,424	49,500
CAPES	Replace #5801 Garbage Truck	331,908	353,900
<b>TOTAL COMPLETED PROJECTS</b>		<b>1,000,841</b>	<b>1,059,300</b>

INFORMATION TECHNOLOGY FUND		Actual	Budget
IT0317	Phone System 911 Interface	37,820	45,000
IT0418	Electric Facility IT	8,355	50,000
IT1016	Remote Access	8,966	7,500
IT1216	SCADA Desktop interface	8,966	7,500
<b>TOTAL COMPLETED PROJECTS</b>		<b>64,107</b>	<b>110,000</b>

TRANSPORTATION		Actual	Budget
TR0118	8th Street Bridge Barriers	863,906	995,000
TR0216	Tumwater Bridge Joint	181,789	223,900
<b>TOTAL COMPLETED PROJECTS</b>		<b>1,045,695</b>	<b>1,218,900</b>



## 2018 COMPLETED PROJECTS - UTILITY PROJECTS

ELECTRIC FUND		Actual	Budget
CL0616	Overhead Reconductoring	157,093	200,000
CL0316	Underground Cable	199,348	204,000
CL0218	Leasehold Improvements	77,596	150,000
<b>TOTAL COMPLETED PROJECTS</b>		<b>356,441</b>	<b>404,000</b>

WATER FUND		Actual	Budget
CAPWT	Miscellaneous Water Capital	62,270	58,500
WT0109	E Street Reservoir - PRV Station	276,097	350,000
WT0315	24 inch transmission Main replacement	24,036	90,000
WT0618	Craig Avenue Watermain	84,500	68,110
WT0415	Whidby Ave Watermain	456,179	575,000
<b>TOTAL COMPLETED PROJECTS</b>		<b>903,082</b>	<b>1,141,610</b>

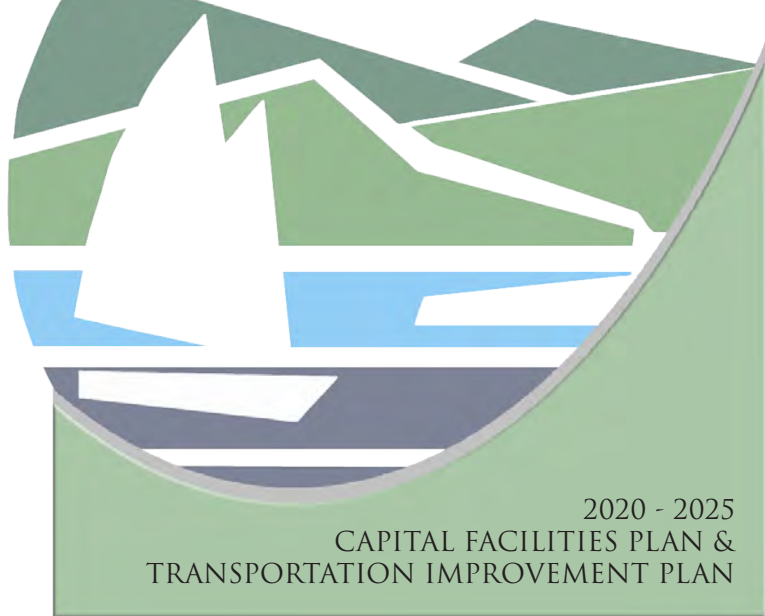
WASTEWATER FUND		Actual	Budget
WW0118	Marine Drive Sewer Phase 2	101,333	132,000
CAPWW	Misc Pumps for WWTP	23,677	78,000
<b>TOTAL COMPLETED PROJECTS</b>		<b>125,010</b>	<b>210,000</b>

SOLID WASTE FUND		Actual	Budget
SW0118	Metal Recycle Facility Fence	43,637	47,000
<b>TOTAL COMPLETED PROJECTS</b>		<b>43,637</b>	<b>47,000</b>

STORMWATER FUND		Actual	Budget
DR0218	Craig Avenue Stormwater	17,506	21,500
<b>TOTAL COMPLETED PROJECTS</b>		<b>17,506</b>	<b>21,500</b>



CITY OF PORT ANGELES



2020 - 2025  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN





LINK TO CITY OF PORT ANGELES  
COMPREHENSIVE PLAN & STRATEGIC PLAN



# LINK TO THE COMPREHENSIVE PLAN AND STRATEGIC PLAN

As part of the City's strategic planning process, the City Council adopted a Mission Statement to guide the community towards its preferred future. The statement reads:

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

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

In the following table you can reference the strategic goals achieved by completion of the project, and the comprehensive goal, and in some cases the comprehensive objective. The items being met are listed in the attached strategic plan approved by Council in 2019, and the comprehensive goals listed below:

- G-5D – To provide utility services in an efficient and cost-effective manner.
- 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-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.07 – The City should improve amenities for walking and biking, connecting neighborhoods to downtown, commercial centers and the regional trail system.
- P4A.08 – The City should improve trails, sidewalks, streets, and public facilities to encourage walkability and non-motorized transportation.
- 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.



## OBJECTIVES MET:

- 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, RTPPO, and state and federal agencies, study a future US101 corridor alignment including evaluation of the Heart of the Hills Parkway and Coastal Corridor concepts. (Route along Lauridsen Blvd. east of Race Street will not be considered).

## STRATEGIC GOALS MET:

Financial Capacity Actions/Measures –

A2 – Provide Capital Facilities Plan for 2020-2025 by May 8, 2019.

Quality of Life Goals –

C. Improved multi-modal transportation corridors.

D. Enhanced aesthetic that celebrates unique local history, climate and culture.

Quality of Life Strategies –

- Improve transportation circulation patterns and amenities for walking, biking and connecting to neighborhoods to downtown, commercial districts and trail systems.
- Improve design and beautification efforts in parks, downtown and visitor areas.

Quality of Life Actions/Measures –

C1. Implement Complete Streets Policy for transportation improvements that encourage safe biking, walking and transit use.

o Complete 10th Street construction June 30, 2019

o Complete 90% Construction drawings for Lincoln Street by December 31, 2020

o Hill Street Bid package December 31, 2019

o Race Street Complete Design December 31, 2020

D1. Prepare bid-ready Wayfinding Plans by December 31, 2019.

D4. Improve Civic Field ADA sidewalk/entrance by June, 2019.

D6. Replace Erickson Playfield playground by December 31, 2020.

D7. Remove unsafe playgrounds and plan for part revitalization: Lincoln Park, Charles Wilson Park, Wolverton Park, and Pirate Ship at City Pier by December 3, 2020.

D9. Public Restroom Replacement and assessment of bathroom facility availability by December 31, 2019.



# CITY OF PORT ANGELES' STRATEGIC PLAN

2 years from now, in order to... / we must... / by focusing resources to... / we will...

	Objectives (words)	Goals (numbers)	Strategies (words)	Actions / Measures (numbers)
Quality of Life	<p>1. Preserve long-term economic, ecological and social wellbeing while demonstrating innovative and desirable urban design principles.</p>	<p>Adopt plans and policies by the end of 2020 that pave the way for:</p> <p>A. Increased density for all land uses.</p> <p>B. Diverse housing options in attractive mixed-use neighborhoods.</p> <p>C. Improved multi-modal transportation corridors.</p> <p>D. Enhanced aesthetic that celebrates unique local history, climate, and culture.</p>	<ul style="list-style-type: none"> <li>Implement zoning to encourage infill and support mixed-use development in existing neighborhoods</li> <li>Create process for consistent code enforcement efforts</li> <li>Improve transportation circulation patterns and amenities for walking, biking, and connecting neighborhoods to downtown, commercial districts and trail systems</li> <li>Improve design and beautification efforts in parks, downtown, and visitor areas</li> </ul>	<p>A. <i>Increased density and efficient land use:</i></p> <ol style="list-style-type: none"> <li>Implement City Code Compliance Program; hire necessary staff by Dec 31, 2019 <b>CED, Legal, PD</b> <ul style="list-style-type: none"> <li>Evaluate implementation of 311 or similar system in conjunction with code compliance program December 31, 2020 <b>CM (IT Division)</b></li> </ul> </li> <li>Evaluate vacant property fees/tax by Dec 31, 2019 <b>Legal</b></li> <li>Annual Assessment of progress per AIA Urban Design Study Dec. 31, 2019 <b>CM</b></li> <li>Leverage city-owned assets for development (list) by Dec 31, 2020 <b>CM, PW</b></li> <li>Evaluate feasibility of Volunteer Coordinator by Dec 31, 2020 <b>CM (HR)</b></li> </ol> <hr/> <p>B. <i>Diverse housing options:</i></p> <ol style="list-style-type: none"> <li>Complete Housing Needs Assessment by Feb 2019 <b>CED</b> and begin implementation of assessment</li> <li>Update subdivision code to encourage infill by Dec 31, 2020 <b>CED</b></li> </ol> <hr/> <p>C. <i>Multi-modal transportation:</i></p> <ol style="list-style-type: none"> <li>Implement Complete Streets Policy for transportation improvements that encourage safe biking, walking, and transit use.                             <ul style="list-style-type: none"> <li>Complete 10<sup>th</sup> Street construction June 30, 2019 <b>PW</b></li> <li>Complete 90% Construction Drawings for Lincoln Street by Dec 31, 2020 <b>PW</b></li> <li>Hill Street Bid Package Dec 31, 2019 <b>PW, CED</b></li> <li>Race Street Complete Design Dec 31, 2020 <b>CED</b></li> </ul> </li> <li>Provide multi-modal transportation maps by Dec 31, 2019 <b>PW</b></li> </ol> <hr/> <p>D. <i>Enhanced aesthetic:</i></p> <ol style="list-style-type: none"> <li>Prepare bid-ready Wayfinding Plans by Dec 31, 2019 <b>CED</b></li> <li>Update Sign Code by Dec 31, 2019 <b>CED, Legal</b></li> <li>Implement form-based techniques into zoning code updates by Dec 31, 2020 <b>CED</b></li> <li>Improve Civic Field ADA sidewalk/entrance by June 30, 2019 <b>P&amp;R</b></li> <li>Implement tobacco-free ordinance in parks and public spaces by Nov 30, 2019 <b>P&amp;R</b></li> <li>Replace Erickson Playfield Dream Playground by Dec 31, 2020 <b>P&amp;R</b></li> <li>Remove unsafe playgrounds and plan for park revitalization: Lincoln Park, Charles Wilson Park, Wolverton Park, and Pirate Ship at City Pier by Dec 31, 2020 <b>P&amp;R</b></li> <li>Review and analysis of existing landscape standards and policy, identify gaps in policy and gaps in enforcement for upholding City landscape standards and tree stewardship by Sep 30, 2019 <b>CM &amp; Multiple Departments</b></li> <li>Public Restroom Replacement and assessment of bathroom facility availability by Dec 31, 2019 <b>P&amp;R</b></li> </ol>



	Objectives (words)	Goals (numbers)	Strategies (words)	Actions / Measures (numbers)
Financial Capacity	2. Build financial capacity to provide consistent, quality municipal services and infrastructure improvements.	A. Identify City 5-year priorities reflecting forecasted revenues, expenses, and Council-driven budget goals by <u>year end 2020</u> .	<ul style="list-style-type: none"> <li>• Leverage City-owned assets</li> <li>• Source new revenue streams</li> <li>• Evaluate multiple funding models:               <ul style="list-style-type: none"> <li>~ State / Federal grants</li> <li>~ Property and asset sales</li> <li>~ Special benefit districts</li> <li>~ Public-private enterprise</li> <li>~ Expand tax base</li> </ul> </li> </ul>	<p>A. <i>5-year priorities reflecting forecasted revenues, expenses:</i></p> <ol style="list-style-type: none"> <li>1. Update Long Range Financial Plan for 2019-24 by Aug 31, 2019 <b>Finance</b></li> <li>2. Provide Capital Facilities Plan for 2020-25 by May 8, 2019 <b>Finance</b></li> <li>3. Plan for maturity of L.T.G.O. Bond by July 31, 2019 <b>Finance</b></li> <li>4. Update Affordability Index to assess local taxes, utility rates, and disposable income against regional benchmarks by June 30, 2019 <b>Finance, PW</b></li> <li>5. Complete COSA by June 30, 2019 <b>Finance</b></li> </ol>
Organizational Excellence	3. Exemplify excellence in government and community leadership.	<p>Adopt plans and policies by the end of 2020 that support and enable:</p> <ol style="list-style-type: none"> <li>A. Identify 3 new or improved methods of promoting community awareness of City plans, programs and services by 2020.</li> <li>B. Increase Council inter-jurisdictional collaboration.</li> <li>C. Taking care of what we have.</li> </ol>	<ul style="list-style-type: none"> <li>• Upgrade tools and technology for internal efficiency, transparency, and convenience for public use</li> <li>• Improve external communication and protocols for managing public expectations</li> <li>• Leverage community groups to provide for citizen involvement</li> <li>• Create inter-jurisdictional Community Agendas led by City Council members</li> <li>• Collaborate with agencies and organizations</li> </ul>	<p>A. <i>Community Awareness:</i></p> <ol style="list-style-type: none"> <li>1. Define Levels of Service Dec 31, 2019 <b>CM, All Departments</b></li> <li>2. Implement Communication Plan by Dec 31, 2020 <b>CM</b></li> <li>3. Complete a community-driven Climate Action Plan by Nov 30, 2019 <b>Council, FD</b> <ul style="list-style-type: none"> <li>• Identify feasible steps of zero waste, 100% recycling and renewables <b>PW</b> Dec 31, 2020</li> </ul> </li> <li>4. Continue Community Agenda topics: a) Housing, b) Homelessness issues, c) Schools, d) Opioid crisis, e) Creeks Ongoing <b>Council</b></li> <li>5. Continue work on continuity of operations planning by Dec 31, 2019 <b>FD</b></li> <li>6. Mass notification system training by Dec 31, 2019 <b>FD</b></li> </ol> <hr/> <p>B. <i>Interjurisdictional Collaboration:</i></p> <ol style="list-style-type: none"> <li>1. Provide City leadership to facilitate community-driven disaster preparedness (e.g. map your neighborhood) by Dec 31, 2020 <b>FD</b></li> <li>2. Implement Community Paramedicine Program in 2019 &amp; secure funding by Dec 31, 2020 <b>FD</b></li> <li>3. PEN COM/JEFF COM Regionalization – merge dispatch database and deploy single enterprise software solution for both counties Dec 31, 2020 <b>PD</b></li> <li>4. Emergency Operations Center by December 31, 2020 <b>FD &amp; PD</b></li> <li>5. Police Explorer Post – deploy police explorer program with vetted youth, trained law enforcement, partnership w/Boy Scouts Dec 31, 2020 <b>PD</b></li> <li>6. Clallam County PUD resolve long term water and electrical agreement concerns by Dec 31, 2020 <b>PW</b></li> <li>7. Dry Creek water agreement resolve long term water concerns by Dec 31, 2019 <b>PW</b></li> </ol> <hr/> <p>C. <i>Taking Care of What We Have:</i></p> <ol style="list-style-type: none"> <li>1. WA Association of Sheriffs and Police Chiefs Re-Accreditations Dec 31, 2019 <b>PD</b></li> <li>2. Identify and evaluate the viability and values of excess properties not being used for municipal purpose by Dec 31, 2019 (e.g. Morse Creek) <b>CM, Legal, PW</b></li> <li>3. Implement life-cycle asset management plan for replacement costs by Sep 30, 2020 <b>Finance, PW, P&amp;R</b></li> <li>4. Manage claims by and against the City relating to Harbor Cleanup Dec 31, 2019 <b>Legal</b></li> <li>5. Analyze response times and fire related impacts to housing development Dec 31, 2020 in conjunction with EOD <b>FD</b></li> </ol>

Department Key:

1. FD: Fire Department
2. PD: Police Department
3. P&R: Parks and Recreation

4. PW: Public Works
5. Legal
6. CED: Community and Economic Development

7. Finance
8. CM: City manager



# PROJECT CROSS REFERENCE TO THE COMPREHENSIVE PLAN AND STRATEGIC PLAN

PROJECT NUMBER	PROJECT DESCRIPTION GOVERNMENTAL	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
<b>GENERAL GOVERNMENT/FACILITIES</b>					
GG0303	NICE Program	Economic Dev		G-9A	
GG1113	Facility Security Projects	Facility			
GG0416	City Hall Fire Suppression System	Facility			
GG0516	Senior Center Fire Suppression System	Facility			
GG0418	City Entrance Monuments	Facility			Quality of Life - Strategy
GG0916	Valley Creek Restoration Phase 3	Civic Improvement			
GG0119	Ennis Creek Fish Barrier Removal	Transportation			
GG0219	Downtown Improvement Plan	Civic Improvement			Quality of Life - Strategy
<b>PUBLIC SAFETY</b>					
CAPPC	Pencom Capital	Public Safety			
PD0116	Mobile Data Terminal Replacements	Public Safety			
PD0119	Computer Aided Dispatch, Law Enforcement records	Public Safety			
FD0415	Fire Dept Turn-Out Gear	Public Safety			
FD0615	Fire Hoses	Public Safety			
FD0118	Defibrillator Revolving Account	Public Safety			
FD0218	Self Contained Breathing App.	Public Safety			
FD0315	Fire Station Garage Door	Facility			
FD0318	Emergency Management Pods	Public Safety			
FD0319	Fire Station Front Driveway	Facility			
GG0616	Fire Hall HVAC	Facility			
PD0307	Police Regional Training Facility	Public Safety			
FD0216	Fire Training Facility	Public Safety			
FD0316	Senior Center EOC Generator	Public Safety			
FD0416	Radio Transmitter Generator	Public Safety			
FD0119	West Side Fire Station	Public Safety			
FD0219	Emergency Operations Center				
<b>PARKS AND RECREATION</b>					
PK0216	Facility Improvement Revolving Fund	Facility			
PK0205	Restroom Replacement Program	Parks		G-10A; G-10B	Quality of Life - Actions - D9
PK0418	Civic Field Upgrades	Facility/Parks			Quality of Life - Actions - D4
PK0219	Generation II Dream Playground	Parks			Quality of Life - Actions - D7
PK0119	Erickson Playfield Pump Track	Parks			Quality of Life - Actions - D5
PK0619	Downtown Tree Replacement-Phase III	Civic Improvement			
PK0719	Parks Maintenance Building	Facility/Parks			
PK0802	Neighborhood Park Development	Parks		G-10A; G-10B	
PK0406	Shane & Elks Field Lighting	Parks		G-10A; G-10B	
PK0316	Locomotive #4 Refurbishment	Civic Improvement			Quality of Life- Goals - D
PK0218	Lincoln Park Parking Lot Paving	Civic Improvement			
PK0318	Waterfront Trail Rip-Rap Repair	Transportation		G-4	
PK0319	City Pier Inspection Repairs	Transportation			
PK0419	Waterfront Trail Culvert Installation	Transportation			
PK0519	City Pier Hillside Stabilization (Peabody Creek)	Transportation			

PROJECT NUMBER	PROJECT DESCRIPTION ELECTRIC	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
CL0218	Leasehold Improvements			G-5D	
CL0316	Underground Cable Replacement			G-5D	
CL0414	Light Ops Building			G-5D	
CL0916	Replace Laurel St Substations Switchgear			G-5D	
CL0219	Underground Cable Replacement - 2019			G-5D	
CL0716	"F" Street Substation Transformer and Switchgear			G-5D	
CL0119	Overhead Reconductoring - 2020			G-5D	
CL0319	Underground Cable Replacement - 2020			G-5D	
CL0217	I Street Substation SwitchGear			G-5D	
CL0919	Replace "A" Street Substation Breaker			G-5D	
CL0419	Underground Cable Replacement - 2021			G-5D	
CL0519	Underground Cable Replacement - 2022			G-5D	
CL0117	Washington Street Substation SwitchGear			G-5D	
CL0819	Overhead Reconductoring - 2023			G-5D	
CL0619	Underground Cable Replacement - 2023			G-5D	
CL0719	Underground Cable Replacement - 2024			G-5D	
CL0216	City / PUD Service Area Agreement			G-5D	
CL0202	Feeder Tie Hwy 101, Porter to Golf Course Road			G-5D	
CL0313	Pole Replacement Program			G-5D	
CL0816	College Street Substation SwitchGear			G-5D	



PROJECT NUMBER	PROJECT DESCRIPTION WATER	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
WT0118	Ranney Well Roof			G-5D	
WT0215	Marine Dr Channel Water Main Crossing Replacement			G-5D	
WT0218	Reservoir Repairs			G-5D	
WT0419	Decant Facility at Transfer Station - Water Soils Decant Bays			G-5D	
WT0512	East 4th Street Water Main			G-5D	
WT0518	10th Street Water Main "I to N"			G-5D	
WT0612	3rd Street and Vine Street Main			G-5D	
WT0319	Ground Water Test Wells			G-5D	
WT0212	East 6th Street Water Main			G-5D	
WT0519	WATER TREATMENT PLANT REPAIRS			G-5D	
WT0412	West 4th Street Water Main			G-5D	
WT0111	Liberty Street Water Main			G-5D	
WT0717	Race/Caroline Street Fire Flow			G-5D	
WT0219	Peabody Heights Floating Cover Replacement			G-5D	
WT0112	10th Street Water Main			G-5D	
WT0619	Peabody Reservoir Inlet Pipe Replacement			G-5D	
CAPWT	General Water Equipment			G-5D	
WT0116	Marine Drive Main Replacement, Phase 2			G-5D	
WT0117	Mill Creek Reservoir Expansion			G-5D	
WT0119	McDougal Pressure Subzone			G-5D	
WT0214	Transmission Main East of Golf Course Road			G-5D	
WT0217	Airport/Edgewood Drive Water Main Extension			G-5D	
WT0309	Morse Creek Water Mains to Clallam PUD #1			G-5D	
WT0314	Tumwater Truck Rt Commercial Fire Flow LID			G-5D	
WT0317	Scribner Booster Station Upgrade			G-5D	
WT0318	Viewcrest/Laurel Intertie/PRV			G-5D	
WT0417	First Street/Laurel Street Fire Flow			G-5D	
WT0418	10/11 Alley Water Main Replacement			G-5D	
WT0517	6th/Laurel and 5th Fire Flow			G-5D	
WT0617	Porter Street Zone PRV Improvements			G-5D	
WT0715	Elwha Water Facilities Capital			G-5D	
WT0817	St Andrews Place Fire Flow Loop			G-5D	
WT0917	East First Street Fire Flow			G-5D	
WT1017	18th Street Fire Flow			G-5D	
WT1117	Lauridsen Blvd/Tumwater Fire Flow			G-5D	

PROJECT NUMBER	PROJECT DESCRIPTION WASTEWATER	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
WW0205	Biosolids Dewatering and Reuse			G-5D	
WW0308	Pump Station #3 Replacement			G-5D	
WW0315	Marine Channel Bridge Sewer Crossing			G-5D	
WW0618	2019 Neighborhood Sewer Rehab			G-5D	
WW0815	Laurel Street Sewer Separation			G-5D	
WW0715	Oak Street Sewer Separation			G-5D	
WW1218	10th Street Sewer Main			G-5D	
WW0519	Decant Facility at Transfer Station - Wastewater Soils Decant Bays			G-5D	
WW0319	Wastewater Comprehensive Plan			G-5D	
WW0419	WWTP HVAC Replacement			G-5D	
WW0219	WWTP Digester Cleaning and Repair			G-5D	
WW0508	Digester Mixing Improvement WWTP			G-5D	
WW0718	2020 Neighborhood Sewer Rehab			G-5D	
WW0818	2021 Neighborhood Sewer Rehab			G-5D	
WW0918	2022 Neighborhood Sewer Rehab			G-5D	
WW0516	WWTP Boiler Replacement			G-5D	
WW1018	2023 Neighborhood Sewer Rehab			G-5D	
WW1118	2024 Neighborhood Sewer Rehab			G-5D	
CAPWW	MISC WASTEWATER			G-5D	
WW0415	Pump Station #5 Rehabilitation			G-5D	
WW0915	Pump Station #6 Improvements			G-5D	
WW0110	Aeration Blower Replacement			G-5D	
WW0216	Washington Street Sewer Lateral			G-5D	
WW0217	Ennis Creek Force Main Removal			G-5D	
WW0608	Waste Activated Sludge Thickening WWTP			G-5D	
WW1115	1st & 2nd Streets Alley Sewer Separation			G-5D	
WW1215	Shane Park Sewer Separation			G-5D	
WW1315	Pine Hill Sewer Separation			G-5D	
WW0119	Biosolid Pyrolysis			G-5D	
WW0518	Francis Street Sewer Trestle Repair			G-5D	



PROJECT NUMBER	PROJECT DESCRIPTION CSO	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
WW0316	CSO 6 and 7 Reconstruction			G-5D	
WW0117	Francis Street Pigging Bypass			G-5D	

PROJECT NUMBER	PROJECT DESCRIPTION SOLID WASTE	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
SW0112	Decant Facility at Transfer Station			G-5D	
SW0117	Landfill Operating Software			G-5D	
SW0217	Landfill Flare Replacement			G-5D	
SW0218	Landfill Security Fencing			G-5D	

PROJECT NUMBER	PROJECT DESCRIPTION STORMWATER	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
DR0213	H Street Stormwater Outfall			G-5D	
DR0215	Francis Street Outfall Repair			G-5D	
DR0118	10th Street Catchbasins			G-5D	
DR0404	Canyon Edge & Ahlvers Stormwater			G-5D	
DR0117	Peabody Creek Water Quality Project			G-5D	
DR0115	Liberty Street Stormwater Improvement			G-5D	
DR0119	N Street Outfall Improvement			G-5D	
DR0304	Laurel Street and US 101 Stormwater			G-5D	
DR0219	Outfall to Creek Improvement Program			G-5D	
DR0804	Lincoln Park/Big Boy Pond Study			G-5D	
DR0112	Valley Creek Culvert and Outfall			G-5D	

PROJECT NUMBER	PROJECT DESCRIPTION INFORMATION TECHNOLOGY	PROJECT TYPE	LINK TO COMPREHENSIVE PLAN	COMPREHENSIVE OBJECTIVE LISTING	LINK TO STRATEGIC PLAN
IT0317	Phone System 911 Interface			G-5D	
IT0918	Internal Network Segmentation & VLAN Configuration			G-5D	
IT0218	Click2Gov3 / Fusion			G-5D	
IT0217	SCADA Server Replacements			G-5D	
IT0816	Facility and Class Management Scheduling			G-5D; G-10D	
IT0214	Records Management System			G-5D	
IT0618	Virtual Server Replacements - EXSI			G-5D	
IT0714	Data Backup Systems Replacement			G-5D	
IT0716	ERP Road Map				
IT0514	Data Storage Array Systems			G-5D	
IT0119	Wireless Bridge			G-5D	
IT0319	NETWORK Refresh			G-5D	
IT0219	City Hall Wireless Network			G-5D	
IT1018	UPS Replacement- Disaster Recovery DataCenter				
IT0416	Cemetery Software				
IT1118	IT Security Audit				
IT0617	SunGard Executime Scheduling Module				
IT1213	Enterprise Information System Upgrade or Replace			G-5D; G-10D	
IT0216	Business License System				



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	
TR0405	Alley Paving Revolving Funding	Restoration		G4	
TR1100	10th Street Reconstruction	Restoration		G4	0-4.04
TR0515	Lauridsen Blvd Overlay	Preservation	G4A; P-4B.08; P4B-09		Quality of Life - C1 Quality of Life- Goals - C
TR0414	Peabody Creek/Lincoln St Culvert Repair	Restoration		G4	
TR1299	Park Avenue Chip Seal	Preservation		G4	
TR1516	Peabody Street Chip Seal Ph1	Restoration		G4	
TR0215	Peabody Street Chip Seal Ph3	Preservation		G4	
TR0315	Peabody Street Chip Seal Ph2	Preservation		G4	
TR0615	Golf Course Road Chip Seal	Restoration		G4	
TR0218	Lincoln Street Safety	Safety	G4A; P-4A.01	0-4.03	Quality of Life- Goals - C
TR1416	Hamilton School Walking Routes	Pedestrian / Bike	G4A; P-4A.01	0-4.03	Quality of Life- Goals - C
TR0616	ADA - Francis Street	Pedestrian / Bike	G4A; P-4A.01	0-4.03	Quality of Life- Goals - C
TR0618	Stevens Middle School Walking Routes	Safety	G4A; P-4A.03; P-4A.02	0-4.04	Quality of Life- Goals - C
TR0115	N Street (5th to 15th) - Chip Seal	Preservation		G4	
TR0518	I Street (5th to 16th) Chipseal	Preservation		G4	
TR0316	8th Street (A to I) Chip Seal	Preservation		G4	
TR0219	5th Street Chip Seal - A to M Street	Preservation		G4	
TR0417	Ennis Street Pavement Repair	Preservation		G4	
TR0117	Liberty Street Reconstruction	Restoration		G4	
TR0915	Park Avenue Paving Overlay	Preservation		G4	
TR1116	School Area Speed Signs (Near Franklin)	Safety	G4A; P-4A.03		
TR0716	ADA - Peabody Street	Pedestrian / Bike	G4A; P-4A.03; P-4A.02; P-4A.09		Quality of Life- Goals - C
TR0119	8th Street Paving - Lincoln to A	Preservation		G4	
TR0818	Railroad Ave Overlay	Restoration		G4A	
TR0499	Laurel St/Ahlvers Road Overlay	Restoration		G4	
TR0816	ADA - Cherry Street	Pedestrian / Bike		G4	0-4.03
TR0815	Old Mill Chip Seal	Preservation		G4	
TR1015	Cherry Street Area Chip Seal	Preservation		G4	
TR0916	ADA - Oak & Laurel Streets	Pedestrian / Bike	G4A; P-4A.03	0-4.03	Quality of Life- Goals - C
TR1899	Lincoln, Laurel and Lauridsen Blvd Intersection	Mobility		G4	
TR0104	2nd and Valley Pavement Restoration	Restoration		G4	
TR0308	O Street Improvements	Restoration		G4	
TR0599	Hill Street Intersection	Mobility		G4	
TR1799	Truck Route at Hwy 101 Intersection	Mobility		G4	0-4.08
TR0317	Chase Street Vicinity Chipseal	Preservation		G4	
TR0419	Lauridsen Blvd Reconstruction - L to City Limits	Restoration		G4	
<b>TRANSPORTATION PROJECTS</b>					
TR0111	Marine Drive Channel Bridge	Restoration		G4	
TR0114	Hill Street-Olympic Discovery Trail	Pedestrian / Bike	G4A; P-4A.01	0-4.01	Quality of Life- Actions - C1
TR0209	Race Complete Street	Civic Improvement	G4A; P-4B.23		Quality of Life- Actions - C1
TR0909	Wayfinding & ODT Signage	Civic Improvement	G4B; P-4B.01	0-4-.03; 0-4.06	Quality of Life- Goals - D
TR1216	5th and Liberty Solar Speed Display	Safety	G4A; P-4A.03; P-4A.02		
TR0519	Peabody St Sidewalk Repair	Pedestrian / Bike		G4	
TR0715	16th Street LID (C Street to L Street)	Restoration		G4	
TR0416	1St/2nd/Valley/Oak Green Alley	Restoration		G4	
TR1215	City Hall East Parking Lot LID	Restoration		G4	
TR0517	6th/7th Alley (Francis to Washington)	Restoration		G4	
TR0101	Laurel Street Stairs Replacement	Civic Improvement	G4A; P-4A.01	0-4.03	Quality of Life- Goals - C
TR0418	Front St Alleys	Restoration		G4	
TR0318	8th/10th Street Bike Lanes	Pedestrian / Bike	G4A; P-4A.01	0-4.03; 0-4.04	Quality of Life- Goals - C
TR0319	Albert Street Alley (4th/5th)	Restoration			
TR0113	Waterfront Redevelopment	Civic Improvement	G4B; P-4B.18	0-4.01	Quality of Life - Strategy
TR1016	18th Street Bike Accessibility	Pedestrian / Bike	G4A; P-4A.01	0-4.03	
TR1399	Traffic Signal Interconnect/Preemption	Mobility	G4A; P-4A.03		
TR1109	Marine Drive Bulkhead Repairs	Restoration		G4	
TR0212	Caroline Street Slide Repair	Restoration		G4	
TR1009	1st, Front & Race Street Nodes	Pedestrian / Bike	G4A; P-4A.03	0-4.03	
TR0516	Nancy Lane Pavement	Restoration		G4	
TR0506	Valley Creek Trail Loop	Pedestrian / Bike	G4A; P-4A.03	0-4-.02; 0-4.03	
TR0208	Alternate Cross Town Route Study	Mobility	G4B; P-4B.06	0-4.08	
TR0718	Public View Points	Civic Improvement	G4A;		
TR0918	Downtown Tree/Sidewalk Replacement- Phase II	Pedestrian / Bike		G4	0-4.04
TR1316	Traffic Control	Safety	G4A; P-4A.03		
TR1018	Zig Zag at Oak Street	Civic Improvement		G4	Quality of Life - Strategy
TR0619	Race Complete Construction Ph1	Civic Improvement		G4	
TR0719	Race Complete Construction Ph2	Civic Improvement		G4	



CITY OF PORT ANGELES



2020 - 2025  
CAPITAL FACILITIES PLAN &  
TRANSPORTATION IMPROVEMENT PLAN

