

City of Portland

CAPITAL IMPROVEMENT PLAN

FY 2018 – FY 2022



April 2017

Updated 11/8/17

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APPENDIX A – Facilities Assessment of School Buildings (available on City website at the link below)
<http://www.portlandmaine.gov/AgendaCenter/ViewFile/Item/5498?fileID=27616>

A. Introduction

The Capital Improvements Plan (CIP) presents the City's capital needs in the current year and plans for capital needs in future years. It is also a financing plan for **public improvement projects** that require significant capital investment for the City. The purpose of developing and annually updating a five-year CIP is to inform policy makers and community of both the current and future capital needs of the community. The CIP as included for FY18 is a listing of all projects approved for new funding in FY18. The five-year CIP as currently outlined includes a list of ALL requested projects for FY19 – FY22 in an effort to balance public expectations. The number of requests significantly outweighs available debt capacity and the ability of the City's operating budget to fund these capital projects.

The capital plan is not intended to predetermine that a project will be funded, but is intended to be a living and flexible document that considers capital needs in the community and balances those needs with what the City can afford.

Generally, capital improvements projects consist of purchasing, constructing or renovating structures, acquiring land and/or purchasing major equipment or vehicles that have a total cost of at least \$25,000 and a useful life of more than five years. Common CIP projects include new vehicles, new or improved sidewalks, roads, neighborhood renewal projects and new City facilities, such as schools and other facilities.

The CIP, which is updated annually specifies and describes the City's capital project schedules and priorities for the current year and the complete list of needs for the next five years. The CIP attempts to reflect Government Financial Officer Association (GFOA) best practices for multi-year capital planning and asset assessment, maintenance, and replacement.

This Capital Improvement Plan meets the following requirements. Pursuant to the 2011 amendments to the City Charter (Article VI, Section 5, paragraph (i)), one of the City Manager's duties is to "prepare a five (5) year rolling Capital Improvement Plan for annual presentation to the City Council, which Plan includes the following:

1. A one (1) year plan of specific projects and their costs;
2. A two (2) through five (5) year plan of specific projects and general categories, and amounts of proposed spending and funding sources; and
3. A discussion of the basis for the plan and the factors which went into its development or amendments.

CIP Preparation

City Departments reviewed and developed potential CIP projects submitted projects for consideration in the CIP. Each capital project request includes a project description, justification, proposed funding levels and sources and, if applicable, estimated ongoing operating costs. For projects already underway, the description also notes the remaining portion of the project's budget.

Each project was then reviewed by City staff and evaluated as to whether it was critical to maintaining a City asset. Due to limitation on funds, only the most critical capital needs were able to be met in the current year.

A list of specific projects and their costs and the Capital Improvement Plan was then prepared and presented to the City Council Finance Committee for consideration. The Finance Committee then recommended the list of specific projects and their costs to the City Council with a recommendation to fund the borrowing portion of the Plan.

Relationship to the Annual Operating Budget

Some projects listed in the CIP are recommended for funding through annual operating funds in the upcoming operating budget while other projects are recommended for funding through borrowing. Projects funded through borrowing impact the operating budget through ongoing debt service expenses. Some CIP projects also directly impact the operating budget in that they will require ongoing expenses for staff and other operating costs.

The projects funded through borrowing in the coming year impact the following year’s operating budget dependent on when bonds are issued. From a financial planning standpoint the CIP attempts to balance deferring maintenance and other capital investments with the increased expenditure from borrowing and then debt payments from that borrowing that then needs to be offset by increasing revenue (e.g. property taxes).

In summary, funding for capital projects comes from four general sources:

- Funds received through the sale of bonds including general obligations bonds (repaid through taxes on property) and sometimes revenue supported bonds (repaid through utility charges);
- Money from the City’s general fund (annual operating budget); or
- Other loans, grants or other Federal/State aid.

Outstanding Debt Summary

Given the City’s consistently strong financial position, managing the overall debt level and ability to service that debt remain critical factors in maintaining a strong credit rating. At the present time, the City’s outstanding authorized and issued debt for city and school funds including pension obligation bonds is approximately \$218 Million.

Outstanding Debt Authorized and Issued as of June 30, 2017

General Obligation City and School	115,709,421
Pension Obligation Bonds	102,885,000
Fish Pier Enterprise Fund	109,322
Sewer Enterprise Fund	64,696,146
<u>Stormwater Enterprise Fund</u>	<u>5,210,378</u>
Total	288,610,267

Goals of the FY2018 Capital Improvement Plan

The FY2018 Capital Improvement Plan marked a significant change in the general borrowing policy for the capital improvement plan. For several previous fiscal years, a key goal of the CIP was to meet as much critical capital need as possible without increasing debt service costs for the City of Portland related to CIP projects. Each year the City retires older debt related to past CIP borrowings, and therefore can issue new debt in its place without increasing overall debt service cost to the City related

to CIP¹. In FY17 these borrowing amounts were identified as \$12.9M for FY17, \$12.1M for FY18, \$14.4M for FY19, \$8M for FY20, and \$12M for FY21. However, in the current year, the City recognized that the capital needs of the City were not being met by simply borrowing enough to offset what was being retired. Rising costs of construction along with other inflation have left the City unable to keep up with its capital obligations. A borrowing size of \$12.8M was set as the initial target for the FY18 CIP (slightly higher than projected in FY17 due to lower than anticipated interest rates). On top of this \$12.8M, an additional \$5M of “catch up” funding was allocated for FY18, increasing the CIP target size to \$17.8M. The additional catch up funding was approved in recognition of the fact that the City has fallen behind on basic maintenance and replacement of core infrastructure. In future CIP years additional “catch up” funding may be included on top of recommended borrowings but that determination will be made on an annual basis.

This year’s Capital Improvement Plan includes a detailed list of projects for FY18. **In years two through five (FY19 through FY22), the plan includes a complete listing of all specific project requests, including those requested for FY18 which could not be funded and had to be postponed until a future fiscal year due to limitation of funds.** The current list of FY18 – FY22 specific project requests greatly outweighs currently available funding so this listing does not represent the list of projects which will be funded. Many projects will be bumped to future years due to the extremely limited available funding.

As noted above, the recommended FY18 general fund borrowing was limited to \$17.8M. However, via the Capital Improvement Plan process the City is achieving a total of more than \$20.4M of projects. City staff worked hard to identify potential other sources of funding to achieve the maximum level of Capital Improvement Funding. This was done via utilization of prior year school capital reserve as well as usage of use of TIF funds. Additional capital improvements not included in the totals below have been funded via matching funds (PACTS, MDOT), operating budget funds, and special revenue funds.

Source of Funds	Amount
New FY17 General Fund Borrowing	\$ 17,803,750
Usage of School Capital Reserve Funds	\$ 2,084,960
Usage of TIF Funds	\$ 540,000
GRAND TOTAL	\$ 20,428,710

The utilization of capital reserve funds and TIF funds for capital improvement has a significant positive impact on future tax rates, enabling the City to avoid \$2.6M of general obligation debt and keeping significant debt service costs off the tax levy.

In addition to the \$17.8M of General Fund borrowing for FY18, the City Council also authorized \$6.5M of additional Sewer / Stormwater borrowing as part of the FY18 Capital Improvement Plan. Complete details of both newly approved projects can be found in part B of this document.

¹ This approach is net of Pension Obligation Bond Debt increases, as explained in more detail in the Challenges for Future CIP section of this document

Asset Inventory

The City provides a wide range of services to the community requiring a diverse range of capital assets. In summary, as of the survey in 2015, those assets include approximately:

- 82 buildings containing 2.5 million square feet (sf) of occupied space
- 1,075 acres of parks area
- 6.3 million sf of sidewalk area
- 43.2 million sf of road area
- 2 million linear feet of underground pipe
- 683 vehicles

Public Facilities Capital Assets

General Fund Buildings

- 33 City Building totaling approx. 486,138 sf
- 25 School Building totaling approx. 1,632,364 sf
- 9 Fire Building totaling approx. 69,621 sf
- 3 Barron Center Building totaling approx. 117,032 sf
- 3 Parking Garages with 1,585 parking garage spaces

Recreation

- 3 Stadium
- 46 Playing Fields
- 23 Tennis Courts
- 9 Basket Ball Courts
- 3 Swimming Pools
- 3 Skating Pond
- 1 Skate Park
- 25 Playgrounds

Enterprise Fund Buildings

- 5 Golf Course Buildings totaling approximately 17,068 sf
- 1 Ice Arena Building totaling approximately 42,415 sf
- 2 Library Building totaling approximately 82,900 sf

Open Space and Cemeteries

- 1,075 acres of park area
- Fort Gorges
- 9,331 linear feet of sea wall
- 38,400 linear feet of walking path
- Unknown number of tombs

Notes: The Library is not an enterprise fund, but is subject to the City's debt limit policy. There are additional library locations; however, these locations are located in other buildings. Open space area excludes the islands.

Vehicles and Equipment Capital Assets

General Fund Vehicles

- 55 Fire Vehicles
- 81 Police Vehicles
- 332 Public Service Vehicles
- 50 Recreation and Facilities Vehicles
- 10 Parking Management Vehicles
- 30 School Vehicles
- 3 Health and Human Services Vehicles
- 8 Barron Center Vehicles
- 8 Miscellaneous City Hall Department Vehicles

Enterprise Fund Vehicles

- 104 Golf Course Vehicles
- 1 Ice Arena Vehicle
- 1 Library Vehicle

General Fund Equipment

- 2,560 square feet of Health and Human Services kitchen space
- 685,957 linear feet of Public Safety data cable
- 3 Public Safety transmission towers
- 7 Public safety communication equipment systems
- 22 Information Technology storage and network devices
- Information Technology network wiring
- 28,000 square feet of School kitchen space
- 125 signalized pedestrian intersections
- 97 streetlight poles
- 9,000 square feet of pier area
- 2 pedestrian piers
- Field Irrigation systems
- Field Lighting systems

Enterprise Fund Equipment

- Golf Course irrigation system
- Ice Arena refrigeration system
- Ice Arena skate sharpener
- Library network and storage devices

Roadways and Sewer System Capital Assets

Roadways

- 6,341,751 square feet of sidewalk area
- 1,006,300 linear feet of curbing
- 14,516,986 square feet of arterial and collector area
- 21,753,143 square feet of local street area

Sewer and Stormwater Enterprise Fund

- 2,034,220 linear feet of underground pipe
- 7,966 sewer manholes
- 6223 catch basins
- 859 sewer and stormwater outfalls
- 10 sewer pump stations

School Facilities Assessment

In February 2017, an assessment of school facilities was completed by external consultants Sebago Technics and Lavallee Brensinger. The assessment compiled the facilities needs at all school facilities (with the exception of Hall Elementary) over a 20 year period starting in 2017. The summary matrix on the following pages provides an overview of all of the proposed improvements and projects and their scheduling and sequencing. *These recommendations do not represent amounts that are guaranteed to be funded within future Capital Improvement Plans*, but they highlight the extensive needs at all of our City school facilities in total. Overall an estimated \$321M in facilities needs were identified. Summary totals by facility are included below. See Appendix A for the complete consultant’s report.

Some, but not all, of the needs identified in the facilities assessment at Reiche, Longfellow, Lyseth and Presumpscot will be addressed by the \$64M of elementary school renovations recently approved by voters in a local referendum. However, due to the local referendum approval of these repairs, the City will no longer be eligible for State of Maine Major Capital School Construction funding at these schools. See **Challenges for Future CIP** section for complete details of the projected impact of the \$64M of locally funded elementary school renovations.

SUMMARY – TOTAL PPS FACILITIES NEEDS BY FACILITY

		TOTALS
Elementary Schools		
Cliff Island	9	\$640,912
East End Community	17	\$15,428,424
Longfellow	25	\$14,864,537
Lyseth	43	\$17,185,198
Ocean Avenue	55	\$10,416,996
Peaks Island	61	\$4,329,132
Presumpscot	75	\$8,424,694
Reiche	87	\$23,581,805
Riverton	99	\$18,902,832
Elementary Schools Subtotal		\$113,774,530
Middle Schools		
King	123	\$19,005,787
Lincoln	133	\$21,364,239
Moore	155	\$21,844,849
Middle Schools Subtotal		\$62,214,875
High Schools		
Portland Arts & Technology (PATHS)	171	\$38,966,663
Deering	191	\$43,206,805
Portland	213	\$47,249,870
High Schools Subtotal		\$129,423,338
Other Buildings		
District Office / Bayside Learning	233	\$8,100,288
Central Kitchen	245	\$1,876,483
Subtotal		\$9,976,771
General District Items		
General District Items*	253	\$6,337,065
* Non-building specific items from PPS 5-yr CIP)		
TOTAL		\$321,726,579

SUMMARY – IMMEDIATE RECOMMENDATIONS AND SHORT TERM PPS FACILITIES NEEDS – YEARS 0-5

	Page No.	Immediate Recommendations	Short Term Recommendations				
		Year 0 2017	Years 1 - 5 2018 - 2022				
			CIP	CIP (Major Renovation)	Maintenance	City Expense	Sub Total
Elementary Schools							
Cliff Island	9	\$0	\$218,878	\$0	\$3,752	\$0	\$222,630
East End Community	17	\$59,600	\$148,869	\$0	\$12,024	\$42,632	\$203,525
Longfellow	25	\$0	\$3,450,296	\$0	\$40,736	\$941	\$3,491,973
Lyseth	43	\$0	\$2,080,855	\$0	\$4,406	\$0	\$2,085,261
Ocean Avenue	55	\$0	\$57,780	\$0	\$0	\$0	\$57,780
Peaks Island	61	\$0	\$808,655	\$0	\$19,065	\$5,440	\$833,160
Presumpscot	75	\$0	\$844,575	\$0	\$17,487	\$0	\$862,062
Reiche	87	\$0	\$2,431,435	\$0	\$5,974	\$68,009	\$2,505,418
Riverton	99	\$1,505	\$1,298,762	\$0	\$11,549	\$68,124	\$1,378,435
Elementary Schools Subtotal		\$61,105	\$11,340,105	\$0	\$114,993	\$185,146	\$11,640,244
Middle Schools							
King	123	\$0	\$1,111,089	\$0	\$75,493	\$196,228	\$1,382,810
Lincoln	133	\$1,500	\$1,606,739	\$0	\$75,478	\$9,005	\$1,691,222
Moore	155	\$3,600	\$1,092,471	\$0	\$21,172	\$0	\$1,113,643
Middle Schools Subtotal		\$5,100	\$3,810,299	\$0	\$172,143	\$205,233	\$4,187,675
High Schools							
Portland Arts & Technology (PATHS)	171	\$66,500	\$5,992,703	\$0	\$76,363	\$0	\$6,069,066
Deering	191	\$0	\$6,490,744	\$0	\$31,220	\$0	\$6,521,964
Portland	213	\$4,515	\$3,149,159	\$0	\$17,936	\$43,898	\$3,210,993
High Schools Subtotal		\$71,015	\$15,632,606	\$0	\$125,519	\$43,898	\$15,802,023
Other Buildings							
District Office / Bayside Learning	233	\$27,083	\$588,555	\$0	\$0	\$0	\$588,555
Central Kitchen	245	\$0	\$72,444	\$0	\$28,177	\$0	\$100,621
Subtotal		\$27,083	\$660,999	\$0	\$28,177	\$0	\$689,176
General District Items							
General District Items*	253	\$0	\$6,337,065	\$0	\$0	\$0	\$6,337,065
* Non-building specific items from PPS 5-yr CIP							
TOTAL		\$164,303	\$37,781,074	\$0	\$440,832	\$434,277	\$38,656,183

SUMMARY – LONG TERM PPS FACILITIES NEEDS – YEARS 6-10, 11-15, 16-20

Long Term Recommendations							
		Years 6 - 10 2023 - 2027				Years 11 - 15 2028 - 2032	Years 16 - 20 2033 - 2037
		CIP	CIP (Major Renovation)	Maintenance	City Expense	Sub Total	
Elementary Schools							
Cliff Island	9	\$0	\$0	\$133,519	\$0	\$133,519	\$55,036
East End Community	17	\$0	\$0	\$53,571	\$0	\$53,571	\$7,059,349
Longfellow	25	\$0	\$6,378,111	\$0	\$0	\$6,378,111	\$2,628,980
Lyseth	43	\$3,188,500	\$7,593,746	\$58,093	\$0	\$10,840,339	\$1,789,681
Ocean Avenue	55	\$0	\$0	\$13,281	\$0	\$13,281	\$3,674,105
Peaks Island	61	\$0	\$2,011,217	\$23,916	\$0	\$2,035,133	\$685,244
Presumpscot	75	\$0	\$5,478,512	\$0	\$0	\$5,478,512	\$1,050,202
Reiche	87	\$198,668	\$14,090,541	\$0	\$0	\$14,289,209	\$4,356,036
Riverton	99	\$132,333	\$8,930,255	\$317,158	\$210,031	\$9,589,777	\$2,900,612
Elementary Schools Subtotal		\$3,519,501	\$44,482,382	\$599,538	\$210,031	\$48,811,452	\$24,199,245
Middle Schools							
King	123	\$136,912	\$10,973,498	\$25,625	\$0	\$11,136,035	\$4,030,117
Lincoln	133	\$0	\$10,555,989	\$0	\$0	\$10,555,989	\$4,558,534
Moore	155	\$0	\$10,917,590	\$4,675	\$0	\$10,922,265	\$4,900,754
Middle Schools Subtotal		\$136,912	\$32,447,077	\$30,300	\$0	\$32,614,289	\$13,489,405
High Schools							
Portland Arts & Technology (PATHS)	171	\$0	\$22,182,276	\$0	\$0	\$22,182,276	\$8,303,498
Deering	191	\$1,383,723	\$19,684,741	\$74,544	\$0	\$21,143,008	\$8,250,822
Portland	213	\$81,804	\$21,713,483	\$48,034	\$0	\$21,843,321	\$13,991,904
High Schools Subtotal		\$1,465,527	\$63,580,500	\$122,578	\$0	\$65,168,605	\$30,546,224
Other Buildings							
District Office / Bayside Learning	233	\$3,360,684	\$0	\$0	\$0	\$3,360,684	\$2,946,547
Central Kitchen	245	\$445,518	\$0	\$469,627	\$0	\$915,145	\$452,520
Subtotal		\$3,806,202	\$0	\$469,627	\$0	\$4,275,829	\$3,399,067
General District Items							
General District Items*	253	\$0	\$0	\$0	\$0	\$0	\$0
<i>* Non-building specific items from PPS 5-yr CIP</i>							
TOTAL		\$8,928,142	\$140,509,959	\$1,222,043	\$210,031	\$150,870,175	\$71,633,941
							\$60,401,977

Challenges for Future CIP

In addition to the sheer volume of capital requests received, there are many other significant challenges facing the City in regards to future borrowing. Most notably are the City’s Pension Obligation Bond (“POB”) and the recently approved \$64M of borrowing for renovations of four elementary schools (Lyseth, Presumpscot, Reiche, Longfellow – collectively known as Buildings for our Future).

Challenge #1 – Pension Obligation Bond

The biggest challenge currently facing the City in regards to future borrowing is the pension obligation bond (“POB”). The pension obligation bond was issued in 2001 in payment of the City’s obligation to the Maine Public Employees Retirement System. The bonds had an original principal amount of \$111.8M. Repayment of the pension obligation bonds have a current impact to the FY18 budget of \$14.5M (the next debt service payment due on 6/1/18). Due to increasing principal payments required on an annual basis, the annual budget impact rises by approximately \$1.1M in every future fiscal year until the bond finally matures on 6/1/26. Total remaining payments are approximately \$166M and will trigger an annual tax rate increase of approximately \$0.11 due to the escalating debt service payments. See below for annual amount of debt service due each fiscal year.

Budget / Fiscal Year	Payment Date	Annual Debt Service Payment	Increase from Prior Year	Estimated Cumulative Impact to Tax Rate (based on FY18 Tax Rate of \$21.66)
FY18	6/1/18	\$ 14,523,494	\$ 822,084	+\$0.11
FY19	6/1/19	\$ 15,394,904	\$ 871,410	+\$0.22
FY20	6/1/20	\$ 16,318,598	\$ 923,694	+\$0.34
FY21	6/1/21	\$ 17,297,714	\$ 979,116	+\$0.46
FY22	6/1/22	\$ 18,335,578	\$ 1,037,864	+\$0.60
FY23	6/1/23	\$ 19,435,712	\$ 1,100,134	+\$0.74
FY24	6/1/24	\$ 20,601,856	\$ 1,166,144	+\$0.89
FY25	6/1/25	\$ 21,837,966	\$ 1,236,110	+\$1.04
FY26	6/1/26	\$ 23,148,244	\$ 1,310,278	+\$1.21

In recognition of the future impact to City budgets the POB’s are always discussed when reviewing the Capital Improvement Plan. However, because the City is not achieving any capital improvement as a result of these rising debt service costs, they are not typically factored into the calculation of annual CIP borrowing. In other words, the initial annual CIP target is set at a level which would not increase future debt service payments related to *capital improvement*. These calculations are net of any increase in tax rates related to the pension obligation bond repayment.

Although the rising costs will be a significant burden, the retirement of the POB in 2026 represents a significant opportunity for the City for tax rate relief and to begin paying for capital improvements out of the operating budget.

Challenge #2 – Buildings for Our Future - \$64M of Approved Borrowing

On November 7, 2017 Portland voters locally approved future borrowing of \$64M for renovations of four elementary schools (Lyseth, Presumpscot, Reiche, Longfellow – collectively known as Buildings for our Future). Longfellow and Reiche had moved up to #2 and #3 on the State of Maine Department of Education 2010-2011 Priority List for future Major Capital School Construction funding but that list was ultimately retired before funding approval was received². Now that local funding has been approved via a Citywide referendum all four schools will be removed from future consideration for State aid within the Major Capital School Construction program. Instead the funding for these renovations will come 100% from local property tax dollars, and although the exact schedule for construction and borrowing has not been determined, it is estimated that total debt service of \$92M will be added to the School tax levy over the next 20-25 fiscal years. This will result in an approximately 69 cent increase to the School side of the overall tax rate by FY24, an estimated 3.1% tax rate increase over the same period. It is currently unknown whether future School budgets or future School capital improvement borrowings will be adjusted downward to offset the impacts from Buildings for Our Future.

Impact of \$64M Buildings for our Future on Tax Rate

	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Valuation (as projected)	7,780,000,000	7,800,000,000	7,830,000,000	7,860,000,000	7,890,000,000	7,920,000,000	7,950,000,000	7,980,000,000
City Tax Levy (as projected)	83,862,689	87,116,012	90,998,732	94,299,153	99,247,580	104,707,427	107,805,150	110,038,220
City Tax Rate (as projected)	\$10.78	\$11.17	\$11.62	\$12.00	\$12.58	\$13.22	\$13.56	\$13.79
Rate Increase		0.39	0.45	0.38	0.58	0.64	0.34	0.23
% Increase		3.6%	4.1%	3.2%	4.8%	5.1%	2.6%	1.7%
School Tax Levy (as projected)	80,331,376	84,516,375	89,774,725	94,947,212	99,517,935	103,530,735	108,914,333	114,577,878
School Tax Rate (as projected)	\$10.33	\$10.84	\$11.47	\$12.08	\$12.61	\$13.07	\$13.70	\$14.36
Rate Increase		0.51	0.63	0.61	0.53	0.46	\$0.63	\$0.66
% Increase		4.9%	5.8%	5.4%	4.4%	3.6%	4.8%	4.8%
Total Tax Rate (as projected)	\$21.11	\$22.00	\$23.09	\$24.08	\$25.19	\$26.29	\$27.26	\$28.15
Rate Increase		0.89	1.08	0.99	1.11	1.10	0.97	0.89
% Increase		4.2%	4.9%	4.3%	4.6%	4.4%	3.7%	3.3%
Cumulative increase related to BFOF	\$ -	\$ -	\$ 0.12	\$ 0.24	\$ 0.36	\$ 0.47	\$ 0.58	\$ 0.69
Cumulative % increase related to BFOF			0.6%	1.1%	1.6%	2.2%	2.7%	3.1%
Increased Annual Taxes per \$100,000 of property value			\$ 12.41	\$ 24.46	\$ 36.14	\$ 47.45	\$ 58.42	\$ 69.02
Estimated Total Amount of Additional Taxes per \$100,000 of property value due to BFOF over life of the bonds								\$ 1,128
(If your home value was \$200,000, the impact to you would be 2x the numbers above. If your home value was \$500k, the impact would be 5x the above)								
Increased Annual Taxes on \$240,000 home (per tax year)			\$ 29.79	\$ 58.70	\$ 86.73	\$ 113.89	\$ 140.20	\$ 165.65
Estimated Total Amount of Additional Taxes on a \$240,000 home due to BFOF over the life of bonds								\$ 2,707

*Assumes no additional borrowing other than the \$64M BFOF project, included to illustrate the tax rate impact of the project

² Hall Elementary School was funded in the 2010-2011 cycle. It received final State of Maine funding approval on April 9, 2014 and was therefore not included in the recent Sebago Technics / Lavallee Brensinger School Facilities Assessment.

B. Capital Improvement Plan – FY2018 Projects

FY18 CIP - General Fund		
	Bonded Amount	Other Funding
Transportation		
<i>PACTS/Match/Other Leveraged Funds</i>		
PACTS TIP Intersection Project - Brighton-Deering-Falmouth (USM Roundabout)	\$ 767,200	
PACTS RTMS (Regional Transportation Management Systems) - Traffic Signals	260,000	
PACTS TIP Congress Street Signals	110,313	
MPI PACTS paving - Allen Avenue	130,500	
PACTS Collector paving: Veranda Street	85,000	
<i>Traffic Signals / Lights</i>		
Traffic Signals at Various Locations	600,000	
Streetlights: Implement LED Conversion	500,000	
Traffic Signal Work in Support of Paving Programs	210,000	
<i>Streets/Sidewalks</i>		
Pavement Preservation Program	2,700,000	200,000
Thames Street Extension Engineering and Construction	1,400,000	-
Sidewalk Rehabilitation/Accessibility	500,000	100,000
CSO Compliance - SRF Ineligibles	600,000	-
Washington Ave Rehabilitation (Cumberland to E. Prom)	250,000	-
Somerset Street Project Phase 1B	-	240,000
Street Rehabilitation Program	200,000	-
Railroad Quiet Zone Improvements	25,000	-
Transportation Total	\$ 8,338,013	\$ 540,000
Facilities		
<i>Buildings/Garages</i>		
Waterproof Decking & Conditional Appraisal Repairs at Spring Street Garage	\$ 350,000	
Dectron Air Handling Replacement for Riverton Pool	300,000	
Three Air Handling Units at Public Safety	300,000	
Temple St Parking Garage Cond. Appraisal Repairs	240,000	
Masonry, Windows, remodel at Munjoy Public Safety building	200,000	
Homeless Shelter Planning	125,000	
Fire Station Paving Projects	50,000	
<i>Marine</i>		
Waterfront Fender Systems	1,000,000	
Floats at Cushing Island, Maine State Pier, East End Beach, Peaks	100,000	
Compass Park - Ongoing pile/pier work	100,000	
<i>School Facilities</i>		
Casco Bay High School Great Room & Life Safety Improvements	225,000	930,000
PATHS/CBHS, Presumpscot, Longfellow, DHS & King Campus Paving		500,000
Lyman Moore - Boiler Replacement		300,000
East End Community School Wall Repair		250,000
Deering High School Functional Life Safety Space	66,040	84,960
PATHS - Technology / Network Engineering		20,000
Facilities Total	\$ 3,056,040	\$ 2,084,960
Parks, Fields, Trails		
<i>Parks, Fields, Trails</i>		
Lyman Moore Field Upgrades and Drainage	\$ 450,000	
Lincoln Park Fence Repair	300,000	
Amethyst Lot Engineering	300,000	
Congress Square Park	150,000	
Peaks Island, Great Diamond & Cliff Island Playground Replacements	110,200	
Deering Oaks and DHS -Tennis/Basketball Court Resurfacing	100,000	
Riverside Golf Course Culvert Repair/Replacement	50,000	
Parks, Fields, Trails Total	\$ 1,460,200	
Equipment and Vehicles		
<i>Equipment</i>		
Chiller Replacement	225,000	
Phone System Upgrade	200,000	
Replace Patient Call System	116,000	
Virtualization, Storage and Redundancy Upgrade	55,000	
EMR and Wi Fi	54,497	
Power Line Connection for Ocean Avenue Solar Array	50,000	
Security Management System	35,000	
Portland Public Library - VOIP Conversion	35,000	

Vehicles

Engine 6 Replacement - Fire 0279	700,000	
Scheduled Ambulance Replacement	480,000	
Loader 5112 and blower 7112 - DPW Winter	335,000	
Sidewalk Tractors Replacement (2)	280,000	
Police Cruisers (7)) Replacement - Police	266,000	
Rubbish Packer Replacement	265,000	
Rubbish Packer Replacement - Park Barrels 4042	250,000	
TA Dump Truck Replacement - DPW Winter 3098	205,000	
Wheel Loader Replacement - Parks/Winter 5101	195,000	
SA Plow Truck Replacement - Winter 3125	165,000	
SA Plow Truck Replacement - Winter 3036	165,000	
Rolloff Truck Replacement - Solid Waste 4000	150,000	
Replacement School Bus	132,000	
Bucket Truck Replacement - Traffic 5110	125,000	
Mower 16' Replacement - Parks 7155	95,000	
Toolcat DPW Winter 5004	70,000	
1 Ton Utility Truck Replacement - Traffic 2515	55,000	
GPS Locating for Winter Vehicles/Equipment	50,000	
Skidsteer Replacement - Districting/Winter 5102	45,000	
3/4 Ton Pickup Replacement - Barron Center 3908	38,000	
Replace Forestry Chipper	35,000	
3/4 Ton Utility Van (Pickup to Van Replacement) - Trades - 2004	30,000	
3/4 Ton Utility Van (Pickup to Van Replacement) - Trades 2003	30,000	
Refurbished Floor Scrubber for Canco Properties	18,000	
Equipment and Vehicles Total	4,949,497	
Sub-Total FY18 CIP (General Fund)	\$ 17,803,750	\$ 2,624,960

FY18 CIP - Sewer Fund

Sewer / Stormwater		
CMOM - Inflow and Infiltration Program	\$ 260,000	
CMOM - Sewer System Renewal	1,100,000	
CMOM - Pump Station Rehabilitation	670,000	
Engineering Services on Water Resource Projects	300,000	
Morrill's Corner Sewer Replacement	250,000	
Eastern Waterfront Sewer / Stormwater Extension & Outfall	175,000	
Integrated Planning LTCP and Post Construction Monitoring Program	1,000,000	
Stormwater Infrastructure Improvements	200,000	
Warren Ave Storm Drain - 517 Warren Ave to 659 Warren Ave	990,000	
Franklin Street Storm Drain	300,000	
Peaks Island Green Infrastructure	50,000	
Green Infrastructure	200,000	
Smart Cover Systems for SSO's	45,000	
Pole Camera	20,000	
PACTS Veranda St paving - ineligible Utility costs	18,000	
Pavement Preservation Program - Utility costs	200,000	
MPI Paving Program - Utility costs	13,750	
Street Sweepers Replacement	215,000	
Skidsteer w/ Attachments	75,000	
Tracked Jet Cleaner	45,000	
Midsize Wheel Loader	150,000	
Rubber Tired Excavator	200,000	
3/4T Pickup Truck	35,000	
Tank Truck	25,000	
Sewer / Stormwater Total	\$ 6,536,750	
TOTAL CIP (General Fund & Sewer Fund)	\$ 24,340,500	\$ 2,624,960
COMBINED TOTAL CIP (General Fund & Sewer Fund)	\$ 26,965,460	

Project Title ID 141765 **Request Year** 2018
 PACTS TIP Intersection Project - Brighton-Deering-Falmouth (USM Roundabouts)

Public Works

Division Traffic

Classification Transportation

Project Description

Construct a roundabout to replace an existing traffic signal and provide significant modifications to a stop-controlled intersection, drawn from recommendations from the Brighton-Deering-Falmouth Intersection Study; adopted as a Master Plan by the City Council in 2013. This project is now funded by PACTS as part of the 2016-2018 TIP. It should be noted that the PACTS costs and the 25% local match (\$717,200 plus \$50,000 for additional design work related to changes in the configuration of the Deering/Brighton intersection) for this request do not include related stormwater utility requirements. The costs associated with these utilities (\$575,000) are requested separately through the sewer CIP (#162996). The project is currently under design with funding from a USM infrastructure account.

Project Justification

The Brighton-Deering-Falmouth intersection poorly serves motorists, pedestrians, bicyclists and transit users due to its current configuration and infrastructure. The Brighton-Deering-Falmouth Intersection Study was adopted as a Master Plan by the City Council in 2013 upon completion of the PACTS-funded study. The study's recommendation was to construct two roundabouts to replace the one existing traffic signal and replace the second intersection (currently stop-controlled) with a second roundabout. In order to achieve cost control, the second and smaller roundabout proposed for Bedford and Deering Avenue is no longer under consideration; however, significant geometric modifications are still anticipated at this location.

The PACTS TIP funding request was approved and the project is expected to be constructed in 2018.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$200,000	\$300,000	\$2,568,800		\$3,068,800

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018	\$2,301,600	\$767,200	\$767,200		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total	\$2,301,600	\$767,200	\$767,200		

Other Funding Source Description

USM contribution of \$150,000 (pre-2016); PACTS funding for federal transportation funds, \$2,151,600. City Local Share obligation is 25% of the total project cost estimate of \$2,868,800 and therefore equal to the \$717,200 request. \$50,000 in addition to the local match has also been requested in order to provide design services that reflect a design modification for the Deering/Bedford intersection determined in August of 2016. Sewer Fund request of additional \$575,000 for ineligible City utility costs.

Operating Budget Impact

Eliminates electricity costs to operate existing traffic signals. Reduces risk of accidents.

Project Title ID 141740 **Request Year** 2018

PACTS RTMS (Regional Transportation Management Systems) - Traffic Signals

Public Works

Division Traffic

Classification Stationary Equipment

Project Description

Updates to High/York: \$100,000
 Updates to High/Danforth: \$110,000
 Provide Fiber connection to High/Spring: \$50,000

Local support to augment PACTS UPWP funding for regional transportation system upgrades. Includes money for new equipment and especially improved communications. Anticipate requiring approximately \$200,000 to \$300,000 per year, which includes PACTS funding. In FY16 a PACTS 16-18 TIP application for work on Congress Street was awarded for a total of \$330,000, of which the City will provide a \$82,500 match. This work is now underway.

The FY16 funding request is for component and communications upgrades for the intersections of Congress/India, Congress/Washington, and Washington/Cumberland. The equipment is generally out of date, and in some cases, begun to malfunction. The total request is for \$271,770 in equipment upgrades, plus the PACTS match of \$5,500, for \$277,270. The existing FY15 funds will be allotted between the local match for the Congress Street work (\$82,500), with the remainder going to Washington Avenue and Auburn Street improvements.

Project Justification

The City of Portland has partnered with PACTS, as well as the Cities of Westbrook, South Portland, Biddford, Saco and the Town of Scarborough to oversee the deployment of transportation management systems for the more efficient flow of traffic and improved detection for all modes along the City's major travel corridors. Work to date has included upgrades along Riverside Street, Brighton Avenue and Forest Avenue, and expected in 2015, portions of Washington Avenue and Auburn Street.

Significant work remains to be done along Congress Street on the downtown peninsula, Forest Avenue in the Parkside area, as well as portions of Washington Avenue, Cumberland Avenue, and State and High streets. One of the top priorities will be to provide improved fiber-optic connections so that up-to-date communications can be achieved at Traffic Operations (currently at 65 Hanover Street, future location TBD). Longer-term, the region anticipates upgrading technology to allow for up-to-date emergency vehicle and transit vehicle pre-emption systems.

For the next two-year funding cycle, general funding will be limited to Portland's share of \$75,000 per year total including local match, split between the communities, which is expected to be about approximately \$30,000 for the next two years. In addition to this money, the City has received \$247,500 for the Congress Street RTMS work from Fore River Parkway to Stevens Avenue.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$200,000			\$2,112,500	\$2,312,500

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2014	\$22,000	\$78,000	\$80,000		<input checked="" type="checkbox"/>
2015	\$22,000	\$167,000	\$165,000		<input checked="" type="checkbox"/>
2016	\$269,500	\$277,270	\$100,000		<input checked="" type="checkbox"/>
2017	\$22,000	\$222,000	\$222,000		<input checked="" type="checkbox"/>
2018	\$30,000	\$260,000	\$260,000		<input checked="" type="checkbox"/>
2019	\$30,000	\$250,000			<input type="checkbox"/>
2020	\$30,000	\$250,000			<input type="checkbox"/>
2021	\$30,000	\$250,000			<input type="checkbox"/>
2022	\$30,000	\$250,000			<input type="checkbox"/>
Total	\$485,500	\$2,004,270	\$827,000		

Other Funding Source Description

PACTS Share of RTMS program.

Operating Budget Impact

This funding will help to supplement the limited money from PACTS and MaineDOT for RTMS upgrades, as well as reducing the strain on the capital available for City signal equipment.

Project Title ID 184333 **Request Year** 2018

PACTS TIP Congress St. Signals (High to Myrtle)

Public Works

Division Traffic

Classification Transportation

Project Description

Local Match (25%) for PACTS-approved signal update project. While approved by PACTS for 2019, as the project is anticipated to be largely equipment only, outcomes may come as soon as CY 2018.

Project Justification

The Congress Street Signal Project was approved by the PACTS Executive Committee

The Purpose of the project is to replace, modernize and coordinate the traffic signal system on Congress Street in Portland's Downtown as Phase II of the implementation of the Congress Street Bus Priority Corridor project. This will complement the hardscape, in-line bus stop, bus shelter and ADA accessibility modifications in Phase I.

The Need for the project includes:

- The aging traffic signal system currently in place causing increasing staff and maintenance costs/repairs
- Lack of traffic signal coordination as envisioned by the Regional Traffic Management System (RTMS) program
- Lack of capability for transit signal priority and emergency vehicle pre-emption with current equipment
- Lack of ADA-compliance of traffic and pedestrian signal systems and equipment
- Lack of transit priority and emergency pre-emption capabilities with the current equipment.

Although the portions of the Congress Street Bus Corridor Plan constructed in 2015 and to be completed in 2016 will accomplish some basic outcomes of the study process, such as conversion to in-line stops, there remain several barriers to accommodating riders with physical challenges as well as ensuring the reliable operations of bus service. The provision of Phase II funding will address this and provide a coherent pedestrian and bus environment in the core of the priority corridor.

In addition, a portion of the project limit falls within the CMP network (Congress from High to State Streets). The Congress Street Bus Corridor project was the result of recommendations from both the Peninsula Traffic and Peninsula Transit Studies, in 2004 and 2009 respectively, as a way to encourage transit use and reduce peak hour traffic volumes.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$83,750		\$441,250		\$525,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018	\$414,688	\$110,313	\$110,313		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total	\$414,688	\$110,313	\$110,313		

Other Funding Source Description

PACTS 75% leveraged project award.

Operating Budget Impact

Modernization of signals and equipment will reduce maintenance and call backs to these locations. Use of PACTS funding results in leveraging project with only a 25% match.

Project Title ID 184303 **Request Year** 2018

MPI PACTS paving - Allen Avenue Section 1

Public Works

Division Engineering

Classification Streets/Sidewalks

Project Description

The PACTS awarded MPI paving project area is Allen Avenue between Washington Ave. and Pennell Ave. This 2017 project will entail milling to remove the surface pavement and placing a new 1.5-inch surface pavement layer. General Fund request is for most of the 50% Local Match; Sewer Fund request of \$7,000 to address ineligible City utility costs.

Project Justification

This project is needed to improve the pavement condition on one of Portland's minor arterial streets.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$22,000		\$246,000		\$268,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018	\$137,500	\$130,500	\$130,500		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total	\$137,500	\$130,500	\$130,500		

Other Funding Source Description

PACTS MPI funds achieves 50% leverage. Separate Sewer Fund request (5% of City's 50% match) for ineligible City utility costs.

Operating Budget Impact

This project should reduce the need for City resources to make emergency street repairs during the next ten years or more.

Project Title ID 163152 **Request Year** 2018

PACTS Collector paving: Veranda St - Wordsworth St to Martins Pt access road

Public Works

Division Engineering

Classification Streets/Sidewalks

Project Description

PACTS 16-18 TIP award of \$332,508 for pavement preservation; inclusive of \$83,127 required Local Match.

PACTS Collector Paving Program awarded Veranda St paving between I-295 overpass and Falmouth town line/Martin's Point Bridge. CIP request is for the required 25% Local Match (\$83,127) plus City costs, including Sewer utility (\$18,000) and roadway modifications to accommodate a future shared use pathway connection to the Martin's Pt Bridge (\$100,000). Work Plan indicates 2017 construction.

The project also includes items recommended in the Martin's Point Pathway project to enable construction of a portion of the pathway in advance of the pavement moratorium period. Specifically, relocation of several sections of granite curbing to accommodate the shared use path at a later date. A portion of the Pathway project funding is anticipated from MaineDOT prior to the end of the pavement moratorium; hence the need to prepare for it as the PACTS Collector Paving project occurs.

Project Justification

Highly leveraged value of Federally funded Pavement Rehabilitation project. Local Match = 25% (\$83,127) and City must cover 100% of sewer utility costs (\$18,000); requested in Sewer Fund. Staff adding Martin's Pt Pathway related ineligible items (\$100,000) to this project.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$20,000		\$413,381		\$433,381

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018	\$249,381	\$184,000	\$85,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total	\$249,381	\$184,000	\$85,000		

Other Funding Source Description

PACTS 16-18 TIP award requires Local match of \$83,127. Additional \$18,000 requested in Sewer Fund for ineligible City utility cost. \$100,000 added for other ineligible City add-ons.

Operating Budget Impact

Reduces costs for pothole repairs and leverages critical infrastructure maintenance.

Project Title ID 141023 **Request Year** 2018

Traffic Signals at Various Locations

Public Works

Division Traffic

Classification Stationary Equipment

Project Description

The FY 2018 Request will be for the following:

New structures along State Street: 150k per intersection for 6 intersections: \$900,000

\$220,000 in FY 2017 funding.

Project Justification

Properly updated and coordinated signal systems, along with state-of-the-art detection and pedestrian/bicycle crossing devices, can improve traffic flow along major corridors and provide safety for all modes of travel. At this time, the City has approximately 120 active signal systems, and with a signal proposed for Marginal at Cumberland Avenue, the system is growing.

Portland invested heavily in its signal systems about 30 years ago, and had a very modern OSAM (DOS-based) control system. However, this method has long fallen out of favor, having been replaced with the Naztec Streetwise ATMS controller technology platform that allows for remote monitoring of traffic flow and signal operation. In addition, the age of much of the equipment has gotten to the point where a number of signal control cabinets have moisture problems, controllers fail, wiring is corroding, and bases are rusting away. Some type of signal failure, ranging from lights going to flash to broken wires to complete power loss happens several times a week, usually due to the age of the equipment.

The traffic technicians' responses have become less about regular maintenance and fine-tuning and more about emergency response, having to act, often on-call after hours, to ensure the safe and efficient passage of movement along Portland's major routes.

Furthermore, current ADA and state/federal requirements dictate having larger and brighter LED-based lighting, pedestrian crossing buttons with audio, countdown heads with a seconds indicator, video or infrared-based camera detection, 12-inch signal heads with reflective back plates and fiber-optic interconnect to bring signal systems into the 21st century. While the RTMS-based funding from PACTS and in a separate CIP account have allowed for some corridor optimization, many locations simply do not meet current operational requirements, nor do they demonstrate adequate reliability.

This year's request and subsequent requests are part of a five-year plan to bring the City's signal systems to a reliable, modern and compliant state, and allow for better pedestrian provisions, bicycle detection, and flexible timing plans during special events. The request for State Street will begin to address issues of lack of connectivity and aging equipment, and all upgrades will be able to accommodate future changes in traffic patterns if a two-way conversion is to take place at some time in the future.

Signal equipment requests in this CIP line item as of 2017 will be for signal-specific projects, as opposed to support of MaineDOT, RTMS, or City paving projects.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$220,000			\$3,470,000	\$3,690,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2014		\$168,500	\$165,000		<input checked="" type="checkbox"/>
2015	\$195,000	\$230,000	\$230,000		<input checked="" type="checkbox"/>
2017		\$200,000	\$200,000		<input checked="" type="checkbox"/>
2018		\$900,000	\$600,000		<input checked="" type="checkbox"/>
2019		\$800,000			<input type="checkbox"/>
2020		\$400,000			<input type="checkbox"/>
2021		\$400,000			<input type="checkbox"/>
2022		\$400,000			<input type="checkbox"/>
Total	\$195,000	\$3,498,500	\$1,195,000		

Other Funding Source Description

Operating Budget Impact

Reduction in call back and service calls. Lower electrical operating costs with LED installations. Safer pedestrian crossings meeting ADA compliance.

Project Title ID 173200 **Request Year** 2018

Streetlights: Implement LED Conversion

Public Works

Division Traffic

Classification Equipment

Project Description

This project is to implement the GPCOG LED Streetlight conversion.

Project Justification

LED conversion helps energy efficiency and directly addresses one of the City Council goals:

Plan to convert street lights to LED

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$100,000			\$1,000,000	\$1,100,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2017		\$550,000			<input checked="" type="checkbox"/>
2018		\$550,000	\$500,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$1,100,000	\$500,000		

Other Funding Source Description

Operating Budget Impact

Potential reduction in utility costs.

Project Title ID 173596 **Request Year** 2018

Traffic Signal Work in Support of Paving Programs

Public Works

Division Traffic

Classification Equipment

Project Description

FY18 - MPI Paving Program: Washington at Ray/Canco/Lawrence; Installation of New Signal Structures, \$210,000

Project Justification

The City and MaineDOT's paving programs look to a more robust period of street repair in coming funding cycles, if said CIP requests are funded as well as anticipated locally-funded projects. In addition, City-administered paving projects through the MaineDOT & PACTS MPI programs look to further enhance outcomes. However, these programs in the past have often been saddled with various non-paving costs, generally due to ADA requirements and impacts to in-pavement facilities. One of these items is various traffic signal impacts. At times, the paving program funds have accommodated anything from new video detection to replacing cut in-pavement loops (as per City technical specifications), as well as new pedestrian buttons and heads (as per ADA requirements).

Beginning in FY17, the City sought to keep various types of funding separate for each "type" of improvement. In this case, \$210,000 is being requested for updates and improvements to the Canco/Ray/Lawrence intersections with Washington Avenue in association with a pending paving project at this location. A previous request for FY17 funded cabinet, communications and ADA-related upgrades at this location. However, signal heads are on span wire and the City desires placing these heads and overhead lane use signs securely on signal structures. This request addresses that issue.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$75,000			\$885,000	\$960,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2017		\$185,000	\$150,000		<input checked="" type="checkbox"/>
2018		\$210,000	\$210,000		<input checked="" type="checkbox"/>
2019		\$150,000			<input type="checkbox"/>
2020		\$150,000			<input type="checkbox"/>
2021		\$150,000			<input type="checkbox"/>
2022		\$150,000			<input type="checkbox"/>
Total		\$995,000	\$360,000		

Other Funding Source Description

Operating Budget Impact

This work will reduce overtime calls to these deficient locations (reducing overtime costs) and also keep operating budget requests for basic signal items from being saddled with much larger needs at this location.

Project Title ID 141013 **Request Year** 2018

Pavement Preservation Program

Public Works

Division Engineering

Classification Streets/Sidewalks

Project Description

Preservation and rehab including a combination of treatments ranging from crack sealing and preservation overlays to milling and resurfacing throughout the City. Scope of work also includes improvements to storm and sanitary structures, installation/improvement to handicap access and other existing infrastructure. A reinventory of pavement conditions City-wide was completed in late fall of 2014, the results from which are being used to support the continued request for significant funding for improving and protecting our investment in infrastructure. All costs associated with a complete paving project are not direct paving costs. Funds are needed to maintain positive flow and safe access for driveways, adjustment of curb including maintaining/upgrading ADA compliance, replacement/revisions to pavement markings and traffic signals (see separate Traffic signals request) and adjustment/repair to sanitary/storm structures (see Sewer Fund requests).

Project Justification

Our 2014 streets inventory concluded that 22% of the City's roadways are in poor to failed condition compared to nearly 31% in 2011. This improvement was in large part due to increased funding for paving through CSO projects and an unusually high number of state aid road resurfacings. The cost to maintain a road in poor condition will be four to six times higher than a road that is in good or better condition. We need to maintain the roads that are in good condition while providing upgrades to those in poor condition. Maintaining an adequate roadway system is essential to support transportation including vehicular, transit, pedestrian, and bicycle traffic throughout the City.

Keeping more streets in a good condition greatly reduces the annual maintenance costs City-wide and also reduces hours needed to address concerns from residents and businesses regarding poor street conditions.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$1,500,000		\$28,150,000		\$29,650,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2013		\$4,000,000	\$2,500,000		<input checked="" type="checkbox"/>
2014		\$4,000,000	\$2,500,000		<input checked="" type="checkbox"/>
2015		\$4,000,000	\$1,750,000		<input checked="" type="checkbox"/>
2016		\$4,000,000	\$1,000,000		<input checked="" type="checkbox"/>
2017		\$4,000,000	\$2,900,000		<input checked="" type="checkbox"/>
2018		\$3,800,000	\$2,900,000		<input checked="" type="checkbox"/>
2019		\$3,800,000			<input type="checkbox"/>
2020		\$3,800,000			<input type="checkbox"/>
2021		\$3,800,000			<input type="checkbox"/>
2022		\$3,800,000			<input type="checkbox"/>
Total		\$39,000,000	\$13,550,000		

Other Funding Source Description

NOTE - 5% of \$4M annual Program request is made to Sewer Fund and separate General Fund request is made for traffic signal support.

Operating Budget Impact

Saves significant hours and material costs of minimally effective pothole patching; also has an indirect savings realized with less damage to the City fleet.

Project Title ID 173704 **Request Year** 2018

Thames Street Extension Engineering and Construction

Public Works

Division Administration

Classification Streets/Sidewalks

Project Description

This project will finalize design and allow for construction of the proposed Thames Street Extension Project. The requests are broken out as follows:

FY18: \$1.4 million for Phase I construction

FY20: \$300,000 for Phase II engineering/design

FY21: \$3.0 million for Phase II construction

Additional requests are made in the Sewer Fund for utility costs.

Project Justification

In order to help foster planned development for the Eastern Waterfront, the City of Portland has committed to an extension of Thames Street easterly of its current terminus. This will provide a right-of-way and roadway connection to development expected near City properties.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$300,000		\$4,450,000		\$4,750,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2017		\$50,000			<input checked="" type="checkbox"/>
2018		\$1,400,000	\$1,400,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020		\$300,000			<input type="checkbox"/>
2021		\$3,000,000			<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$4,750,000	\$1,400,000		

Other Funding Source Description

NOTE - Additional requests in Sewer Fund tied directly to this project.

Operating Budget Impact

May increase future operating budget costs for maintenance of any potential new infrastructure.

Project Title ID 141030 **Request Year** 2018

Sidewalk Rehabilitation/Accessibility

Public Works

Division Engineering

Classification Sidewalks

Project Description

This program includes the following categories of infrastructure improvements based on priorities selected each year:

- ** Rehabilitation of existing sidewalks, particularly those of a hazardous nature. (This is the highest of priorities.)
- ** Focus on sidewalks with high levels of activity and need
- ** Construction and rehabilitation of curb ramps, especially for ADA compliance & transit accessibility
- ** Construction of new sidewalks where significant gaps exist
- ** Pedestrian street crossing systems, particularly on arterial streets, as needed and as budgets allow

Project Justification

Maintaining accessibility along sidewalks and across public streets is a federal regulation (ADA). This project is necessary to meet current state or federal requirements and advances more than one policy of a Council adopted plan (Complete Streets and Comp Plan). A portion of the sidewalk funding is recommended to address high priorities identified as part of Safe Routes to School planning. Regular repair to hazards and ongoing maintenance will prevent numerous required 'fixes' that now are funded via the operating budget. DPW planning for 2013 Sidewalk CIP program identified over \$5M in priority needs.

Repairs also prevent claims from trips or slips on hazardous sidewalk locations. Past phases have been funded and the program remains viable - funded in FY10, FY13 & FY14 CIP. Arterial/Collector Accessibility was a high priority of the 1993 City Transportation Plan and continues to be. Service on sidewalks in poor condition is interrupted and is a safety issue for the public; the funding is required for regular maintenance and replacement.

** Criteria A - The project is necessary to meet current state or federal requirements (ADA).

** Criteria B - The project improves service delivery to a "high priority" public need: accessibility along the public right of way by rehabilitating sidewalks in poor condition or eliminating a sidewalk gap where no sidewalk currently exists.

** Criteria C – Sidewalks that are funded can be considered to be an asset that is currently non-operational due to its condition or the lack of the sidewalk entirely.

** Criteria E – Projects typically result in no change to operating costs.

** Criteria F - Past phases in FY12, FY13 and FY14 CIP have been funded and the project needs remain. Moreover, they call out for a need for increased investment, as has happened since instituted in FY12.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$600,000		\$5,500,000		\$6,100,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2013		\$700,000	\$700,000		<input checked="" type="checkbox"/>
2014		\$700,000	\$700,000		<input checked="" type="checkbox"/>
2015		\$850,000	\$700,000		<input checked="" type="checkbox"/>
2016		\$700,000	\$500,000		<input checked="" type="checkbox"/>
2017		\$600,000	\$500,000		<input checked="" type="checkbox"/>
2018		\$600,000	\$600,000		<input checked="" type="checkbox"/>
2019		\$600,000			<input type="checkbox"/>
2020		\$600,000			<input type="checkbox"/>
2021		\$600,000			<input type="checkbox"/>
2022		\$600,000			<input type="checkbox"/>
Total		\$6,550,000	\$3,700,000		

Other Funding Source Description

Operating Budget Impact

New sidewalk segments may be added to winter sidewalk plow routes and increase operating costs. Rehabilitation of sidewalks in poor condition will reduce operating costs related to sidewalk repairs, and may reduce liability claims.

Project Title ID 141009 **Request Year** 2018

CSO Compliance - SRF Ineligibles

Public Works

Division Engineering

Classification Streets/Sidewalks

Project Description

The City's 2018 CSO projects include:

- Marginal-Forest-State Sewer Separation (Preble to Forest)
- Woodford St. Sewer Separation
- Bedford St. Sewer Separation
- Madison & Walnut Sewer Separation

Project Justification

The City's CSO program is a federally and state mandated program.

The City's use of the State Revolving Loan Fund (SRF) limits the ability to repair and upgrade infrastructure to the City's technical standards (limiting the installation of new gravels, underdrain, granite curbing, ADA ramps, and sidewalks).

This funding is also used for the purchase of easements and property to achieve project execution.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$6,700,000		\$6,700,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2013		\$500,000	\$500,000		<input checked="" type="checkbox"/>
2015		\$1,000,000	\$800,000		<input checked="" type="checkbox"/>
2017		\$1,000,000	\$400,000		<input checked="" type="checkbox"/>
2018		\$1,000,000	\$600,000		<input checked="" type="checkbox"/>
2019		\$1,000,000			<input type="checkbox"/>
2020		\$1,000,000			<input type="checkbox"/>
2021		\$1,000,000			<input type="checkbox"/>
2022		\$1,000,000			<input type="checkbox"/>
Total		\$7,500,000	\$2,300,000		

Other Funding Source Description

Operating Budget Impact

Dependent on each project scope, there could be reduced maintenance costs of roadways, pavement markings, signal systems and sidewalks if improvements are made to those systems as CSO abatement work progresses.

Project Title ID 184329 **Request Year** 2018

Washington Ave Rehabilitation (Cumberland to E. Prom)

Public Works

Division Engineering

Classification Streets/Sidewalks

Project Description

The project area is Washington Avenue between Cumberland Avenue and Eastern Promenade. The project would entail reconstructing the street pavement structure and reconstructing curbing and sidewalks in selected areas, as needed. The fund request for 2018 is intended to cover project design. The General Fund request in 2019 is intended to cover 70% of the construction cost; remaining 30% expected to be attributed to sewer/stormwater utility and so is requested via Sewer Fund.

Project Justification

The street pavement condition in this section of Washington Avenue was rated "Very Poor" in the Engineering Division's 2014 Pavement Management Study. Many sections of sidewalk and curb in the project area are also in need of repair or improvement to meet accessibility standards. This project would address these deficiencies.

City utility systems in this street must also be addressed. Those costs are estimated at 30% of total value & are requested via Sewer Fund.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$200,000		\$1,800,000		\$2,000,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$250,000	\$250,000		<input checked="" type="checkbox"/>
2019		\$1,750,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$2,000,000	\$250,000		

Other Funding Source Description

Sewer Fund companion request for 30% of project construction estimate; General Fund represents 70%.

Operating Budget Impact

This project would reduce the need for City staff and resources to make emergency street & sidewalk repairs over the next 10 years and beyond.

Somerset Street Project Phase 1B

Public Works

Division Engineering

Classification Streets/Sidewalks

Project Description

Based on a 2016 review of anticipated costs for the extension of Somerset Street from Elm Street to Preble Street, and the additional costs associated with DOT time and acquisition of right-of-way to begin the remainder of the extension to Hanover Street, additional funding was found to be needed. This funding will allow Somerset Street to be extended to Hanover Street in keeping with the City's plan to improve connectivity and extend the Bayside Trail.

Funding is also added to adjust curbing on the existing portion of Kennebec Street from Hanover to Brattle to address a gap in anticipated Bayside Trail outcomes.

Base Engineering Determination of Funding Shortfall: \$340,000 (based on 1/12/16 assessment, plus 5% for inflation and 5% for inspections)

Additional Right of Way Costs by MaineDOT (Admin): \$25,000

Curb Adjustment, Paving Associated with Bayside Trail Gap: \$75,000

TOTAL: \$440,000

This request does NOT include any additional sewer/stormwater funding costs, which originated with the currently funded C09505, totaling \$160,000.

While this request is for CIP funding, TIF funding for some or all of this work may be an option.

Project Justification

This work will allow for the long-desired extension of Somerset Street to Hanover Street, providing improved east-west connectivity for motorized and non-motorized traffic.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$150,000		\$796,540		\$946,540

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018	\$506,540	\$440,000	\$240,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total	\$506,540	\$440,000	\$240,000		

Other Funding Source Description

Total of \$860,000 from MaineDOT funding (\$506,540.00), and local match funds for another \$285,635, of which \$126,635 is local match and \$160,000 is sewer funding.

Operating Budget Impact

These changes will update street, sidewalk and trail conditions, and will reduce the burden on operating budget and Districting activities.

Project Title ID 184325 **Request Year** 2018

Street Rehabilitation Program

Public Works

Division Engineering

Classification Streets/Sidewalks

Project Description

This program would focus on streets that require more than just paving. Streets selected for reconstruction would have pavement condition ratings of "Failed", "Serious", or "Very Poor", based on pavement condition index (PCI) ratings in the most recent pavement management inventory. This includes the following street segments, for example: Alba St., Alden Circle, Cottage St., Kingsmark Lane, Mabel St., McAlister Farm Rd., Monument St. (St. Lawrence St. to Ponce St.), Munjoy St., Murray St., Powsland St., Silver St. (Spring St. to Milk St.), and West Presumpscot St.

Each project results in activity that triggers adjustment, repair, and/or upgrades of sewer & stormwater systems. Typical contract costs show that 30% of the total project value is for sewer & stormwater structure work. Therefore, separate Sewer Fund CIP requests are also being made.

Project Justification

This project is needed to address streets where the pavement has failed or is in very poor condition as a result of deferred maintenance, old age, and poor original construction.

City utility systems in these streets typically must also be addressed; those costs are estimated at 30% of total value & are requested via Sewer Fund.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$1,000,000		\$10,700,000		\$11,700,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$500,000	\$200,000		<input checked="" type="checkbox"/>
2019		\$2,800,000			<input type="checkbox"/>
2020		\$2,800,000			<input type="checkbox"/>
2021		\$2,800,000			<input type="checkbox"/>
2022		\$2,800,000			<input type="checkbox"/>
Total		\$11,700,000	\$200,000		

Other Funding Source Description

30% of the estimated project costs are attributed to Sewer and/or Stormwater costs; they are requested separately via CIP Sewer Fund. General Fund requests are for 70% of total project estimates.

Operating Budget Impact

This project should reduce the need for City resources for "pothole" repairs and other such street repairs that typically have short service lives and relatively high unit cost.

Railroad Quiet Zone Improvements

Public Works

Division Traffic

Classification Streets/Sidewalks

Project Description

Quad Gates at Allen Avenue: \$1,000,000

Pan Am Railroad Company operates in three (3) Quiet Zones over a total of twenty (20) public highway/railroad at grade crossings in the City of Portland. The quiet zones designation restricts trains from using their train horns as warnings, as they enter these quiet zone crossings. Many of our crossings are very close to residential areas such as in the Deering Highlands area, Woodfords' Corner and some North Deering neighborhoods as well. While certainly not wanting to compromise safety, the ability to restrict the rail carrier from automatic horn or whistle activation allows these neighborhoods and districts to maintain quality of living elements while reducing excessive noise. The three (3) Quiet Zones in the City of Portland are as defined as follows:

- Portland Mountain Division II. The crossings in the Portland Mountain Division II Quiet Zone are: Congress Street; Frost Street; Rand Road; and Pine Tree Industrial Parkway.

- Portland WN & P II. The crossings in the Portland WN&P Quiet Zone are: Forest Avenue and Bishop Street.

- Portland ST. Maine Line II. The crossings in the Portland St Maine Line II are: Congress Street; Brighton Avenue; Prospect Street; Ashmont Street; Coyle Street; Lincoln Street; Revere Street; Woodfords Street; Saunders Street; Forest Avenue; Walton Street; Read Street; Allen Avenue; Riverside Street

Since funding for SSM's is not available through any state or federal agency and there are no grant funding possibilities, we believe that it is prudent to budget \$200,000 a year for each of the next five years in the City's CIP. Recent conversations with Pan Am have indicated that they may agree to a four-gate equipment upgrade system, which provides a significant reduction in risk without the property impacts associated with a median treatment or the higher costs associated with full quad gates. Current funding should allow for completion of work at Brighton Avenue and Walton Street. This request would be for a four-gate system to be provided at the Allen Avenue crossing.

\$800,000 funded in FY 2017.

Project Justification

Pan Am Railroad lines and crossings were upgraded to accommodate the extension of the Downeaster passenger train service between Portland and Brunswick with two (2) round trips per day going through the Portland corridor. For comparison, presently there can be as many as eight (8) freight trains that travel through this Portland corridor daily & now there will be at least 14 trips through the corridor. The train speed of the Downeaster within the City limits will be 30 mph from Congress Street to Allen Avenue and outside of the City limits, from Allen Avenue to past Falmouth Road, it will be 60 mph. Each of the crossings will be equipped with standard equipment including: video monitoring, grade crossing predictors, crossing monitor and recording technology, gates, electronic bells, and 12 inch flashing lights, as well as the ability to record positive gate down status.

The Federal Rail Administration (FRA) is responsible for enforcement of the Quiet Zone designation in cities and towns and conducts regular compliance evaluations of a community's quiet zone status to assess if that Quiet Zone needs to be modified, continue as is or be removed. These "Risk Review" inspections evaluate relevant train transportation and accident data within 5 years preceding the annual risk review. Additionally, the State and the City are responsible for inventory updates that reflect any changes to the crossings, including items such as traffic counts, train frequency and speeds and any local accident data that may not have been reported to the FRA. The FRA attaches a risk assessment number to each crossing that reflects their survey and that is supplied by the state and municipality. This risk number is then compared to the National Risk Assessment index. If a quiet zone measurement is higher than the national risk assessment, then the entire Quiet Zone is out of compliance and the Municipality must install Supplemental Safety Measurements (SSM's) to maintain the zone.

There are 14 types of SSM's available for mitigation, but many offer a small risk reduction decrease for a large investment. Others may not be used at certain locations. Because our Quiet Zone with the most crossings – The Maine Line II, goes right through concentrated business and residential areas, we are further confined to a few choices.

The City expects to submit a new inventory and affirmations to the FRA at the end of this year. We expect that increased vehicle and train counts as well as increased speeds will increase our overall risk index. This comes at a time when the National Risk Index is expected to drop, making compliance even more difficult.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$1,700,000		\$1,700,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2014		\$100,000	\$100,000		<input checked="" type="checkbox"/>
2015		\$400,000	\$400,000		<input checked="" type="checkbox"/>
2017		\$1,000,000	\$800,000		<input checked="" type="checkbox"/>
2018		\$50,000	\$25,000		<input checked="" type="checkbox"/>
2019		\$50,000			<input type="checkbox"/>
2020		\$100,000			<input type="checkbox"/>
2021		\$100,000			<input type="checkbox"/>
2022		\$100,000			<input type="checkbox"/>
Total		\$1,900,000	\$1,325,000		

Other Funding Source Description

Operating Budget Impact

As there are no alternative sources for quiet zone funds, any work completed in order to maintain Quiet Zone compliance must be accomplished via local funding sources.

Project Title ID 141427 **Request Year** 2018

Waterproof Decking Recoat at Spring St Garage

Parking / Garages

Division Spring Street Garage

Classification Facilities

Project Description

Recoating of waterproofing membrane

Project Justification

5 year warranty will be expired

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$250,000		\$250,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$250,000	\$250,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$250,000	\$250,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 141294 **Request Year** 2018

Condition Appraisal repairs at Spring Street Garage

Parking / Garages

Division Spring Street Garage

Classification Facilities

Project Description

Safety Fencing, stair repairs and painting within the garage.

Project Justification

The fencing project will prevent falls, as will the stair repairs. The painting maintains the aesthetics, controls rust, and maintains the integrity of the steel.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$200,000		\$200,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$100,000	\$100,000		<input checked="" type="checkbox"/>
2019		\$100,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$200,000	\$100,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184203 **Request Year** 2018

Dectron Air Handling Replacement for Riverton Pool

Recreation and Facilities

Division Recreation

Classification Equipment

Project Description

Portland Public Buildings would like to have the dehumidifier replaced with a new unit that will be more reliable and will work better at removing humidity and chloramines.

Project Justification

The dehumidifier at the Riverton Pool (a Dectron DS-120) is approximately 17 years old. It requires frequent unplanned maintenance, sometimes leaving the pool room without HVAC until it can be repaired. Even when working properly, the air in the pool area can be humid and/or have elevated chloramine levels. There has also been an issue with a sheen on the pool surface that may have been caused by oil leakage from the unit. The dehumidifier is in a large penthouse above the pool. The space for it is constrained in length and width in its current orientation. There is additional space available if the unit is reoriented. The unit has a dedicated exhaust duct that penetrates the roof. The Outdoor Air is supplied by a duct system that delivers air to two other air handler units. It is possible that the outdoor air quantities necessary to reduce chloramine levels will require a new dedicated intake and duct. There is no equipment door to the penthouse. The rigging in of equipment will require removing an existing louver or making a new penetration.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$300,000	\$300,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$300,000	\$300,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$300,000	\$300,000		

Other Funding Source Description

Operating Budget Impact

Possible rebate thru Efficiency Maine of 15-20%

Project Title ID 141350 **Request Year** 2018

Three Air Handling Units at Public Safety

Recreation and Facilities

Division Public Safety

Classification Facilities

Project Description

Replace three air handling units

Project Justification

These units are 40+ yrs old. Parts and gas to operate them are obsolete. This building requires 24/7 operation. They have all lived past the expected life and need to be replaced.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$300,000		\$300,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$300,000	\$300,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$300,000	\$300,000		

Other Funding Source Description

Operating Budget Impact

Replace with efficient technology, conserving energy .

Project Title ID 163048 **Request Year** 2018

Temple St Parking Garage Cond. Appraisal Repairs

Parking / Garages

Division Temple Street Garage

Classification Facilities

Project Description

Repair joints 7 & 11 on level 2 and Stairway 1 stair replacement

Project Justification

Structural integrity and Safety

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$240,000		\$240,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$240,000	\$240,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$240,000	\$240,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 141325 **Request Year** 2018

Masonry, Windows, remodel at Munjoy Public Safety Building

Fire Department

Division Building Maintenance

Classification Facilities

Project Description

Grind/Repoint/Waterproof Masonry.
 Replace single pane windows and frames with double pane windows.
 Replace overhead doors in garage
 Repave front ramp
 Remodel Community Policing/EOC/Back-up Dispatch

Project Justification

This building is in good shape and we would like to perform this needed preventative work. This building has had water infiltration in the past and we have done repairs as needed. It is now time to do it right. This project will improve efficiency and reduce heating bills. At this time, operable windows do not function. New windows will be able to operate safely. Additional building use now includes public safety, PD community policing and training, FD Operations and Training, Public Safety EOC and back-up dispatch center.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$475,000		\$475,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$475,000	\$200,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$475,000	\$200,000		

Other Funding Source Description

Operating Budget Impact

Reduce operational and maintenance cost

Project Title ID 184378 **Request Year** 2018

Homeless shelter planning

Social Services

Division

Classification Facilities

Project Description

Oxford Street Shelter Replacement; allocation for planning and architecture for a new homeless shelter.

Project Justification

In anticipation of rezoning which will allow the development/placement of a City shelter in other areas of Portland the HHS Department submitted a request for \$125,000. These funds will be used for initial planning, architect time, permitting and other miscellaneous costs associated with the siting of a new City shelter in Portland.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$100,000				\$100,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$100,000	\$125,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$100,000	\$125,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 173702 **Request Year** 2018

Fire Station Paving Projects

Fire Department

Division Building Maintenance

Classification Facilities

Project Description Paving Projects for (3) stations:

1. Rear parking lot at Allen Ave. Station
2. Rear parking lot at Riverton Station
3. Side Parking lot at Ocean Ave. Station

Project Justification

These areas are badly breaking up and produce flooding at all (3) stations. The flooding allows water to pool next to the stations and seep into the structure, produces a safety hazard to employees who use the lots, and creates a hazard to the vehicles parking there.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$50,000		\$50,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$50,000	\$50,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$50,000	\$50,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184121 **Request Year** 2018

Waterfront Fender Systems

Recreation and Facilities

Division Waterfront

Classification Marine

Project Description

Construct fender systems to accommodate current use.

Project Justification

Engineer's recommendation based on the current cruise ship activity.

The current P.O.T. fender system was designed for vessels up to 60 tons. We currently berth vessels up to 110 tons at this facility. The Oceangate Way (P2B2) fender system was designed to berth vessels up to 1200'. Currently, we have vessels exceeding this design.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$1,000,000		\$1,000,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$1,000,000	\$1,000,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$1,000,000	\$1,000,000		

Other Funding Source Description

Working on a request from the newly approved State Transportation Bond. We've reached out to Rob Elder at the State to set up a meeting to discuss these projects.

Operating Budget Impact

The piers are currently scheduled to berth vessels through 2019. Without adequate piers, waterfront revenues will be reduced 30-40%. The intent of this request is to use it as a match towards a recent state transportation bond that was approved. Bob Leeman and myself plan to meet with Rob Elder as soon as possible. We're currently gathering information for that meeting.

Project Title ID 141789 **Request Year** 2018

Floats at Cushing, Maine State Pier, East End Beach, Peaks

Recreation and Facilities

Division Waterfront

Classification Marine (i.e., piers)

Project Description

Replace 15 yr old floats with a new construction design and environmentally acceptable materials.

Cushing - 1 16'x32'

East End - 11 8'x20'

MSP -1 11'x24'

AN ADDITIONAL \$100,000 in sequential years

Project Justification

These existing floats are costly in terms of material and manpower. They have reached their life expectancy and are in need of replacement. The original design was constructed with pressure treated lumber, painted steel and polystyrene floatation batts. Polystyrene is a product that has been banned from Maine waterways.

We are proposing a design that has been accepted both locally and statewide. At this time, we have 11 floats of this design in use. They have been used for approx. 8 yrs and have required no maintenance.

These would be built by City staff. This does not include relocating floats and piles at LD.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$300,000		\$300,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$100,000	\$100,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020		\$100,000			<input type="checkbox"/>
2021					<input type="checkbox"/>
2022		\$100,000			<input type="checkbox"/>
Total		\$300,000	\$100,000		

Other Funding Source Description

There is funding through SHIP Grants that applies to these floats.

Operating Budget Impact

At this time, I'm only aware of minor injuries such as pressure treated splinters and minor bruises from folks putting their hands between the floats. This happens when a line is thrown to the float and lands between the floats.

At times the floats are not ready or have to be removed during peak season for repairs.

Project Title ID 173582 **Request Year** 2018

Compass Park Ongoing pile/pier work

Recreation and Facilities

Division Waterfront

Classification Marine

Project Description

Repair concrete decks as needed.

Project Justification

The concrete decks are showing signs of decay. Rebar is beginning to be exposed. Trip and fall hazards are present.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$100,000		\$100,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$100,000	\$100,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$100,000	\$100,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 141604 **Request Year** 2018

Pave Multiple School Campuses

School Department

Division School Maintenance

Classification Facilities

Project Description

PATHS - \$250,000

Presumpscott- \$100,000

Longfellow - \$100,000

Deering - \$150,000

King - \$200,000

Project Justification

The pavement in most of these areas has seen no attention since originally installed. A lot of these areas will require complete renovations. We have had complaints of twisting ankles and automobile damage due to pavement conditions.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$1,000,000		\$1,000,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$500,000	\$500,000		<input checked="" type="checkbox"/>
2019		\$250,000			<input type="checkbox"/>
2020		\$250,000			<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$1,000,000	\$500,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184111 **Request Year** 2018

Lyman Moore - Boiler Replacement

School Department

Division School HVAC

Classification Facilities

Project Description

Replacement of two, 25 year old boilers.

Project Justification

Replacement with high efficient gas boilers. Lyman Moore provides heat for Lyseth School, as well.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$300,000		\$300,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$300,000	\$300,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$300,000	\$300,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184388 **Request Year** 2018

East End School Exterior Wall Repair

School Department

Division School Maintenance

Classification Facilities

Project Description

Repair door/window headers on west and south walls.

Project Justification

Immediate need, Identified by the School Facilities Assessment. Signs of header movement have appeared in the last 24 months.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$50,000		\$50,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$50,000	\$250,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$50,000	\$250,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184313 **Request Year** 2018

DHS Functional Life Skills (FLS) Space

School Department

Division School Maintenance

Classification Facilities

Project Description

Existing space is inadequate and inefficient for the educational program needs for this vulnerable group of students. Redesign will result in a newly configured, accessible kitchen space, a new quiet/study space, changing room, staff office, large classroom and laundry room.

Project Justification

The domains of Functional Life Skills include the following: activities of daily living, vocational skills, communication, mobility, behavior, domestic skills, leisure skills and functional academics. Functional academics are ideally taught within the context of the activities within the domains as our students usually have a hard time generalizing skills to different environments. For example, students will learn to read and follow recipes, understand the importance of quantities and measurement; use the stove, oven and dishwasher and gain knowledge of dial settings; and learn about grocery items and how and where to store them, as well as read labels, expiration dates, etc. Other basic skills include learning how: to tell time as it relates to schedules and appointments, to use money in different settings, to read and understand signs and to do laundry. The teaching and learning spaces need to be built to accommodate these needs and the needs of individual students. The space at Deering High School does not currently meet the needs of the students in the program. The primary concerns right now are accessibility and configuration of the space. Students require: small group and individual learning spaces, access to technology for video modeling, space for learning activities and for feedback on vocational experiences, a separate restroom properly accommodating every student, a washer and dryer space, revisions to the kitchen space, a more secure and organized storage area, and enhancements to encourage socialization and leisure activities, all of which are part of the plan. We, also, hope to improve the OT/PT environment which is so important to most students with this fairly modest renovation. By improving the learning environment, we hope to better prepare students for the next stage in their lives.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$151,000		\$151,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$151,000	\$151,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$151,000	\$151,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 173392 **Request Year** 2018

PATHS - Technology Upgrades

School Department

Division School Maintenance

Classification Facilities

Project Description

The \$20,000 is for engineering work that may - or may not - be needed for the future PATHS/CBHS network infrastructure re-wiring project.

Project Justification

The CBHS/ PATHS location is the Data Center for Portland Public Schools. This Data Center is the school's hub of data repository and file transfer as well as the district's lone gateway to the Internet. The cabling and wiring needs critical update in order to support today's data rate transfer requirements. The current wiring and cabling is old and no longer reliable. Cabling and wiring is in of excess of 20 years old in some places. Engineering changes might be required to ensure, based on plans generated from Facilities and Portland Public Schools, efficient cabling pathways are followed and correct conduits are used which might impact changes to the building walls and ceilings. This engineering change was a subset requirement of the initial 200K CIP request that was requested.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$200,000		\$200,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$200,000	\$20,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$200,000	\$20,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184142 **Request Year** 2018

Lyman Moore Field Upgrades and Drainage



Recreation and Facilities

Division Parks

Classification Parks, Fields, Trails

Project Description

This project seeks to improve significant drainage issues at the popular Lyman Moore Athletic Fields. The project will also install irrigation to these highly used fields. CIP funds have been allotted in two prior funding periods. This final installment will allow the City to complete this project, which is being planned in conjunction with significant site, traffic and parking improvements at the school complex.

Project Justification

Current drainage conditions cause significant ponding on the fields during even moderate rain events. This causes the fields to be unplayable for days or even weeks afterwards. J drains will be installed to channel water from the fields and into improved stormwater pond.

The fields have no irrigation, so staff struggle to maintain a playable surface during dry periods. Heavy use on un-irrigated fields causes damage to the turf, which is difficult to repair. Adding irrigation to the fields increases turf health, which allows for decrease of fertilizers and elimination of pesticides.

Improvements will also be made to infield playing surfaces.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$450,000		\$450,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$450,000	\$450,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$450,000	\$450,000		

Other Funding Source Description

Operating Budget Impact

The city currently has \$445,000 earmarked for this project, held between two existing CIP accounts: C16R05 and C17R01. The additional funding of \$450,000 will allow us to implement and complete this project.

Project Title ID 184167 **Request Year** 2018

Lincoln Park Fence Repair



Recreation and Facilities

Division Parks

Classification Parks, Fields, Trails

Project Description

This project will consist of removing and completely restoring the existing Lincoln Park fence that was originally installed in 1866.

Project Justification

The current fence is very rusty and the connections to the granite pillars have been lost, with many sections of the fence sitting directly on the ground with no support from the posts. Lead paint is present and the fence will have to be dismantled and taken off-site for restoration. Many of the metal fence post caps have been damaged by plows, vehicles and people over the past 150 years and replacement parts will need to be fabricated. Some of the granite pillars have been shifted off of their foundations and need resetting. Many of the granite blocks supporting the fence posts need to be replaced and reset at a higher height due to settling.

In combination with the ongoing walkway and fountain restoration, this project will restore the oldest park in Portland's park system.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$300,000		\$300,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$300,000	\$300,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$300,000	\$300,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184166 **Request Year** 2018

Amethyst Lot

Recreation and Facilities

Division Parks

Classification Parks, Fields, Trails

Project Description

“Amethyst Lot” is a tentative project name for the development of what is known as the Amethyst Lot on Portland’s waterfront.

Project Justification

Goals:

- The Amethyst Lot will provide the City of Portland a signature amenity that functionally, visually, and symbolically connects people with Portland’s maritime heritage and future.
- The Amethyst Lot will provide Portland citizens and visitors a publicly accessible place to interact year-round with the water at user-directed intensities – from quiet contemplation to performance competition – from toes in the water to maritime adventure – from a memorial service to commercial enterprise.
- The Amethyst Lot will provide an open door and a front porch on the world class resource of Casco Bay.
- The Amethyst Lot will add value to its neighbors, the Eastern Prom Trail, Moon Tide Park, public infrastructure, multi modal transportation, and integrated public and private developments.
- The Amethyst Lot will provide opportunities for play for children and adults of all ages.
- The Amethyst Lot will anticipate and accommodate sea level rise and intense storm threats through resilient and responsible design.
- The Amethyst Lot will improve water quality and the environment of Portland Harbor by helping to reduce combined sewer overflows.
- The Amethyst Lot will provide a permanent home for community boating users.
- The Amethyst Lot will have a better name.

Minimum Development Program for the Amethyst Lot:

- Public landing and transient vessel berthing.
- Open space and trail enhancements that are fully accessible by pedestrians and bicyclists.
- Trail system continuity serving both access to the site and thru-site commuter users.
- Permanent facilities for community boating, including Sail Maine.
- Public views to and from the water using low-scale, dispersed structures/landscape design elements where needed.
- Opportunities for passive enjoyment of the water.
- Access to the intertidal zone.
- Storm water treatment for on-site impervious surfaces.
- Short-term and long-term plan for remnant piling fields from the Grand Trunk grain piers.

Potential Additional Program Elements:

- Commercial berthing for home-port charter and water taxi services.
- Public fishing amenities, where safe and appropriate
- Signature Feature – functional and/or artistic statement symbolizing the site and the City; could take the form of design feature, a particular use, public art installation, etc.
- Storm water management for off-site impervious surfaces

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$300,000		\$2,000,000		\$2,300,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$300,000	\$300,000		<input checked="" type="checkbox"/>
2019		\$1,000,000			<input type="checkbox"/>
2020		\$1,000,000			<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$2,300,000	\$300,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 152445 **Request Year** 2018

Congress Square Re-Design Phase I

Planning & Urban Development

Division Planning

Classification Parks, Fields, Trails

Project Description

The Congress Square intersection and its surrounding sidewalks and public spaces will be redesigned to improve the accessibility and functionality of the prominent public open space in the Arts District. Congress Square Redesign project includes the conceptual design of the entire Square, which is currently underway. The funding request for Phase I includes the design development, construction documents, and construction of Congress Square Park. Phase II includes the design development and construction of the remaining square/intersection. (See separate request.)

Project Justification

In addition to the interest of the community and City Council to improve this public space, the Park serves an important function as a neighborhood open space for residents of Congress Square Apartments and the focal point of arts programming in the City. FY18 request is to fund the consultant contract to produce the construction documents (10% of Phase I construction costs). The FY20 request is for Phase I construction of the park (based on 2014 estimates). The amount for Phase II (separate request) will have to be determined based on the conceptual design, phasing plan, and cost estimates produced as part of Phase I.

There is currently a design effort underway for both phases that will update the construction costs.

The project is concurrent with the Public Art Commission for the square - the square and public artwork will be designed together.

In addition, we expect there will be significant private fundraising to help pay for this effort. This request assumes \$500,000 in private fundraising for the park to reduce the public cost of construction.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$150,000		\$1,500,000		\$1,650,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$150,000	\$150,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020	\$500,000	\$1,000,000			<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total	\$500,000	\$1,150,000	\$150,000		

Other Funding Source Description

The stated expectation as part of this project is for significant private fundraising by the Friends of Congress Square to help fund these improvements. For the purposes of this request we have put the estimated project cost for Phase I at \$1,500,000, with 33% funded through this private effort.

Operating Budget Impact

The maintenance costs for the park and intersection are anticipated to be the same or less than the current maintenance costs. The potential operating costs from additional lighting or water features is yet to be determined. The City currently has a Memorandum of Understanding with the Friends of Congress Square Park for maintenance and event planning. It is anticipated that the Friends will have an ongoing and long term arrangement with the City to assist in these efforts.

Playground Replacement - Islands



Recreation and Facilities

Division Parks

Classification Parks, Fields, Trails

Project Description

The island playgrounds at Great Diamond Island and Cliff Island are over 20 years old and have outlived their useful lifespan. Many features have been removed due to safety concerns. Peaks Island has a newer playground overall but some worn pieces need to be replaced. Also, the Peaks Island Council has been advocating for the addition of a Dog Park at Trott Little John Park and funds have been included for fencing there. Several island playground projects have been bundled together to infuse the island communities with fun and safe new playspaces while capitalizing on economy of scale to reduce cost in these logistically-difficult locations.

Project Justification

Great Diamond Island Upgrade:

This playground is very old and does not conform to current safety standards. Safety surfacing, safety zones and aging equipment have created an unsafe play space. The clay tennis court cannot be maintained due to its location and maintenance need and should be paved with a basketball goal installed.

Cliff Island Upgrade:

The playground was constructed with wood that is no longer legal to construct playgrounds from because the chromated copper arsenate can and will leach from the wood and get on childrens' hands. It is a known carcinogenic. The drainage is bad and makes the playground unusable for many weeks of the year. The improvements in the landscaping will make it a much more visually rewarding destination for children. There is no federally mandated ADA access. Major Priority 1 safety violations such as lack of safety surfacing and safety fall zones mandated by many ASTM and U.S. Consumer Product Safety Commission Public Playground Safety Handbook 325 national playground standards.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$180,200		\$180,200

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$110,200	\$110,200		<input checked="" type="checkbox"/>
2019		\$70,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$180,200	\$110,200		

Other Funding Source Description

Operating Budget Impact

Peaks Island Upgrade

- Replace several worn pieces of existing playground amenities on structures \$3,500
- Establish Wood Chip borders and remove borders in the wrong place \$3,200
- Peaks Island Dog Park Fencing \$5,000

Great Diamond Island Upgrade

- Replace clay tennis court with painted asphalt court and add a basketball standard \$70,000
- New Playground \$25,000
- Safety Surfacing \$12,000
- New Swings \$4,500

Cliff Island Upgrade

- Replace Cliff Island School Playground \$30,000
- Swings \$4,500
- Safety Surface/Landscape \$15,000
- Improve Drainage \$7,500

Project Title ID 184163 **Request Year** 2018

Deering Oaks and Deering High School -Tennis/Basketball Resurface



Recreation and Facilities

Division Parks

Classification Parks, Fields, Trails

Project Description

The City currently maintains 8 tennis courts and 2 basketball courts at Deering Oaks Park, and 5 tennis courts at Deering High School, plus many courts at other locations.

This project will aim to treat the existing courts at Deering Oaks and Deering High School. Cracks will be treated and filled, and then the entire court will resurfaced with an Acrylic Resurfacer. Lastly, new lines will be painted for Tennis and Pickleball. Color will change to US Open color scheme, with blue interior and green surround.

Project Justification

Resurfacing asphalt and tennis and basketball courts is an essential capital maintenance project that extends the life of the court before replacement and reconstruction is necessary. If not maintained properly, reconstruction costs can be \$50,000+ per court. An average asphalt court will last 30 years if properly maintained with regular crack sealing and resurfacing. Crack sealing should occur every year. Resurfacing should occur every 7-8 years. It is unknown when these courts were resurfaced last.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$100,000		\$100,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$100,000	\$100,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$100,000	\$100,000		

Other Funding Source Description

Operating Budget Impact

Deering Oaks:

Resurface 8 Tennis Courts: \$50,000

Resurface 2 Basketball Courts: \$10,000

Deering High School:

Resurface 6 Tennis Courts: \$40,000 (Currently configured as 5 courts, will reconfigure layout to allow for 6 courts. Same amount of resurfacer.)

Project Title ID 184199 **Request Year** 2018

Riverside Golf Course Culvert Repair/Replacement

Recreation and Facilities

Division Golf Course

Classification Facilities

Project Description

Replace/Repair Culverts on South Course 5th and 7th hole at Riverside Golf Course

Project Justification

The culverts are failing; some need to be replaced and some need to be fixed.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$50,000		\$50,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$50,000	\$50,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$50,000	\$50,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184058 **Request Year** 2018

Chiller Replacement

Recreation and Facilities

Division Merrill Auditorium

Classification Equipment

Project Description

Replace chiller with efficient equipment, including noise reduction components.

Project Justification

Equipment is failing maintenance costs are \$20K per yr. This replacement also reduces noise levels as requested by CM.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$225,000	\$225,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$225,000	\$225,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$225,000	\$225,000		

Other Funding Source Description

Operating Budget Impact

Expect a 10-15% reduction in energy savings and maintenance costs.

Project Title ID 14908 **Request Year** 2018

Phone System Upgrade

Information Technology

Division

Classification Information Technology

Project Description

The project is to upgrade to VOIP, access new technology phone services, including data on calls, conferencing, and moves/changes.

Project Justification

Current system is 20+ years old. The current technology support is anticipated to be phased out.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$200,000	\$200,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$200,000	\$200,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$200,000	\$200,000		

Other Funding Source Description

Operating Budget Impact

It is expected that the project will reduce operating costs through productivity improvements and maintenance.

Project Title ID 173671 **Request Year** 2018

Replace Patient Call System

Barron Center

Division Nursing

Classification Equipment

Project Description

Replace Patient Call System.

Project Justification

Each patient is required to have a call bell. Our system is 34 years old. It is becoming increasingly difficult to find replacement parts.

The system that we are requesting will collect data that will allow us to improve our Quality Assurance and Performance Improvement (QAPI). This is reviewed during our annual inspection by DHHS on the state level. This is a life safety item and it is required for each resident to have a functioning call bell.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$116,000	\$116,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$116,000	\$116,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$116,000	\$116,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 141596 **Request Year** 2018

Virtualization, Storage and Redundancy Upgrade

Information Technology

Division

Classification Information Technology

Project Description

This Green initiative will increase energy efficiency by reducing the number of servers we rely on and operate. This is an IT best practice for backup and recovery and it will improve data protection, systems performance, and reduce down time when systems fail. This will provide us with a disk-based storage solution which will help us to improve our data protection process in many ways. It will replace much of the aging hardware by allowing us to consolidate its systems into a virtual infrastructure running either Hyper-V or Vmware. Although it will not eliminate tape reliance, it will reduce our reliance on tape which will increase backup performance, reliability and restoration, if necessary.

Project Justification

Justification for storage/virtualization is that the current inventory of the City's main server farm of servers is at or exceeding the 5 year life span of server machines. This includes replacing current servers at City Hall and the Police Department server locations with nine virtualized based machines. This is an effort to reduce the footprint of individual servers by logical grouping in an effort to decrease server hardware reliance, improve reliability, redundancy and scalability of applications and data, ease the A/C demands in the data center, therefore improving energy efficiency, improving operational efficiency (ability to add servers and applications on the fly), increasing the density of the virtual environment, and increasing "Up Time" for critical applications. This will decrease tape reliance, improve/decrease backup windows, improve reliability, improve the speed and ease of restores, replicate off site.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$260,000	\$260,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2015		\$65,000	\$65,000		<input checked="" type="checkbox"/>
2016		\$65,000	\$65,000		<input checked="" type="checkbox"/>
2017		\$75,000	\$75,000		<input checked="" type="checkbox"/>
2018		\$55,000	\$55,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$260,000	\$260,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 173655 **Request Year** 2018

EMR and Wi Fi

Barron Center

Division Nursing

Classification Equipment

Project Description

This is the continuation of the EMR project.

FY17 expenditures are estimated to total \$131,500.

Project Justification

The EMR project at the Barron Center is well underway. By the end of FY17 we will have wireless internet working throughout BCI and BCII. We will also have well over 50% of the equipment necessary. The staff will have winterminals (hardware) that will allow them to do direct resident documentation at time of encounter. This will allow not only doctors' and nurses' point in time documentation, but will also allow ancillary services to have immediate upload capacity. In addition, 50% of the software and licenses will have been paid out of the FY17 budget.

The amount indicated for FY18 includes the remaining 50% of hardware, software and licenses needed, as well as any related ongoing maintenance costs. An additional amount has been estimated for FY19, FY20, FY21 and FY22 for computer repairs and maintenance (including a 1.7% increase). In addition, \$4,000 has been estimated for software replacement in FY21.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$54,497	\$54,497

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$54,497	\$54,497		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$54,497	\$54,497		

Other Funding Source Description

Operating Budget Impact

We have monthly fees to First Atlantic and American Data that are currently \$3,360.

There is a possibility for decreased labor cost and increased reimbursement due to efficiencies and the capability for increased accuracy in billing.

Project Title ID 184243 **Request Year** 2018

Power Line Connection for Ocean Avenue Solar Array

Public Works

Division Administration

Classification Facilities

Project Description

Construct a power line from the Ocean Avenue Landfill to Ocean Avenue (Route 9) in order to connect the proposed 660 KW solar array to CMP's electricity distribution line.

Project Justification

The City has been working with Revision Energy to build a 660 KW solar array on the Ocean Avenue Landfill. City Council has given the City Manager authorization to complete negotiations on a power purchase agreement, the Land Bank has approved construction, and zoning has been amended to allow projects like this one to be built. Should we reach final agreement on the PPA and move forward with construction we would need to build a powerline from the array to the CMP lines on Ocean Avenue in order to sell the electricity.

The City has a goal of reducing its green house gas emissions and demonstrating renewable energy as stated in the Municipal Climate Action Plan of 2008. It is also a goal of the current City Council who voted unanimously to authorize the City Manager to negotiate the deal. Moving forward with this project would lead to the construction of the largest landfill solar array in Maine. It would produce about 3.5% of the electricity the City consumes on an annual basis.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$50,000		\$50,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$50,000	\$50,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$50,000	\$50,000		

Other Funding Source Description

Operating Budget Impact

If the project moves forward, the energy produced by the array would offset electricity used by 9 City facilities. Energy produced in excess of that consumed at these facilities would be credited on a per kWh basis to these accounts. The cost of energy purchased through the PPA exceeds the cost of grid electricity by a total of about \$24,000 per year.

Revision Energy indicates that they have received quotes from contractors to construct the powerline for \$50,000.

Project Title ID 152485 **Request Year** 2018

Security Management System

Information Technology

Division

Classification Information Technology

Project Description

Remote administration and security enforcement on 1000 user computers, laptops and/or mobile devices.

Project Justification

This will increase network security by allowing us to remotely install, configure, maintain and prevent unauthorized access to the City's network and resources. This will help reduce network and end station vulnerability and downtime.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$70,000	\$70,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2017		\$35,000			<input checked="" type="checkbox"/>
2018		\$35,000	\$35,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$70,000	\$35,000		

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 184383 **Request Year** 2018

VOIP

Library

Division Library

Classification Equipment

Project Description

Phone and voicemail system, all locations

Project Justification

The library has a very old phone and voicemail system, which is in need of replacement. In addition, the operating cost of the system of about \$13,000 per year, had been covered by the federal e-rate program which is discontinuing funding.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$35,000	\$35,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$35,000	\$35,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$35,000	\$35,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 152195 **Request Year** 2018

Engine 6 Replacement - Fire 0279

Vehicle Maintenance

Division Fire Department

Classification Vehicles

Project Description

Replace 2000 Pierce Engine.

Project Justification

The justification is the Department's need to replace a 1992 (24 year old) Pierce that is in reserve and has been placed out of service on many occasions because of the age of the unit and pump condition. The reserve unit is unreliable and presents a safety issue when it is being used. The 2000 Pierce pumper will be reassigned to our primary reserve unit and the new pumper assigned to Engine Company 306 at Bramhall Station.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$700,000	\$700,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$700,000	\$700,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$700,000	\$700,000		

Other Funding Source Description

Operating Budget Impact

Reliability and reduced maintenance cost of current reserve engine

Project Title ID 184140 **Request Year** 2018

Scheduled Ambulance Replacement

Vehicle Maintenance

Division Fire Department

Classification Vehicles

Project Description

Replace ambulances A301 and A305

Project Justification

This is a scheduled 4 year replacement cycle of our ambulances. Because the department added a 5th front line ambulance the replacement schedule requires us to purchase (2) front line ambulances every 4 years. There is a \$50,000 reduction in this cost due to not having to replace the radios. Because the purchase is for multi units, the possibility is there to receive a further discount.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$480,000	\$480,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$480,000	\$480,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$480,000	\$480,000		

Other Funding Source Description

Operating Budget Impact

Reduce maintenance

Project Title ID 163057 **Request Year** 2018

Loader 5112 and blower 7112 - DPW Winter

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

2001 Komatsu 3.5 yard wheel loader

Project Justification

scheduled replacement

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$335,000	\$335,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$335,000	\$335,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$335,000	\$335,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 14962 **Request Year** 2018

Sidewalk Tractors Replacement (2)

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

Sidewalk tractor with straight plow, vee plow, snow blower, sander, dump body, and sweeper. The City must replace 3 tractors every 2 years to maintain the existing fleet.

This includes cycling tractors for use on Islands

Project Justification

scheduled replacements

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$1,815,000	\$1,815,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2015		\$270,000	\$135,000		<input checked="" type="checkbox"/>
2017		\$280,000	\$280,000		<input checked="" type="checkbox"/>
2018		\$280,000	\$280,000		<input checked="" type="checkbox"/>
2019		\$280,000			<input type="checkbox"/>
2020		\$280,000			<input type="checkbox"/>
2021		\$280,000			<input type="checkbox"/>
2022		\$280,000			<input type="checkbox"/>
Total		\$1,950,000	\$695,000		

Other Funding Source Description

Operating Budget Impact

Cost Estimate - based on prior Holder purchase

-Holder 4.80 w/dump, sander, vee plow, angle plow, snow blower, sweeper - \$145,000

Project Title ID 141804 **Request Year** 2018

Police Cruisers (7)) Replacement - Police

Vehicle Maintenance

Division Police Department

Classification Vehicles

Project Description

Yearly replacement of 7 marked police cruisers @\$38,000 each (\$25,000/each plus upfit of \$7,000 and Watchguard unit of \$6,000). Note that Toughbook for each vehicle is not included in the upfit price.

Project Justification

scheduled replacement

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$2,172,000	\$2,172,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2014		\$266,000	\$265,000		<input checked="" type="checkbox"/>
2015		\$266,000	\$265,000		<input checked="" type="checkbox"/>
2016		\$266,000	\$160,000		<input checked="" type="checkbox"/>
2017		\$266,000	\$152,000		<input checked="" type="checkbox"/>
2018		\$266,000	\$266,000		<input checked="" type="checkbox"/>
2019		\$266,000			<input type="checkbox"/>
2020		\$266,000			<input type="checkbox"/>
2021		\$266,000			<input type="checkbox"/>
2022		\$266,000			<input type="checkbox"/>
Total		\$2,394,000	\$1,108,000		

Other Funding Source Description

Operating Budget Impact

Reduced fuel consumption by replacing 8 cylinder Crown Victoria with 6 cylinder Ford Police Interceptor

Cost Estimate:

Interceptor Sedan - \$25,000 ea

Upfitting equip:

- Lights, mounts, seats, partitions, siren, etc. - \$5,500 ea

- Watchguard Video - \$5,500 ea

- Paint and Lettering - \$1,000 ea

- Misc Computer Equip - \$1,000 ea

Project Title ID 14953 **Request Year** 2018

Rubbish Packer Replacement

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

24 yard rear load rubbish packer

Project Justification

The City must replace 1 frontline packer per year to maintain the frontline fleet, as well as Island Services rubbish trucks, and every 5th year must purchase 2. This includes cycling packers for use on Islands.

- Solid Waste 4038 - 2004
- Solid Waste 4039 - 2005
- Solid Waste 4050 - 2007
- Solid Waste 4051 - 2007
- Solid Waste 4052 - 2007
- Solid Waste 4053 - 2007
- Solid Waste 4054 - 2007

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$1,325,000	\$1,325,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$265,000	\$265,000		<input checked="" type="checkbox"/>
2019		\$265,000			<input type="checkbox"/>
2020		\$265,000			<input type="checkbox"/>
2021		\$265,000			<input type="checkbox"/>
2022		\$265,000			<input type="checkbox"/>
Total		\$1,325,000	\$265,000		

Other Funding Source Description

Operating Budget Impact

Cost Estimate - based on prior purchase of comparable rubbish packers plus \$35k for CNG

Project Title ID 141266 **Request Year** 2018

Rubbish Packer Replacement - Park Barrels 4042

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

2003 - 20 yard, rear load packer

Project Justification

Scheduled replacement of rubbish packer used in open space collection.

Split body

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$250,000	\$250,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$250,000	\$250,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$250,000	\$250,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 141002 **Request Year** 2018

TA Dump Truck Replacement - DPW Winter 3098

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

Tandem axle, 55,000 gvwt dump truck with plow gear, sander, and calcium system

Project Justification

Current unit is a model year 1998 used as a front line plow and on summer construction projects. A new unit will decrease down time and maintenance costs.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$205,000	\$205,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$205,000	\$205,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$205,000	\$205,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 141180 **Request Year** 2018

Wheel Loader Replacement - Parks/Winter 5101

Vehicle Maintenance

Division Recreation and Facilities

Classification Vehicles

Project Description

1999 loader with plow gear

Project Justification

scheduled replacement

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$195,000	\$195,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$195,000	\$195,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$195,000	\$195,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 141203 **Request Year** 2018

SA Plow Truck Replacement - Winter 3125

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

2001, 35000 gvw dump w/ plow, sander, calcium

Project Justification

scheduled replacement

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$165,000	\$165,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$165,000	\$165,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$165,000	\$165,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 141204 **Request Year** 2018

SA Plow Truck Replacement - Winter 3036

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

2001, 35000 gvw dump w/plow, sander, calcium

Project Justification

scheduled replacement

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$165,000	\$165,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$165,000	\$165,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$165,000	\$165,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 152161 **Request Year** 2018

Rolloff Truck Replacement - Solid Waste 4000

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

2010 mack rolloff

Project Justification

Scheduled Replacement and existing unit will be reassigned to Peaks Island.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$150,000	\$150,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$150,000	\$150,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$150,000	\$150,000		

Other Funding Source Description

Operating Budget Impact

Reduced maintenance cost

Project Title ID 173556 **Request Year** 2018

Replacement School Bus

School Department

Division Transportation

Classification Vehicles

Project Description

One Type A bus and one Type C, ADA bus

Project Justification

Scheduled replacements

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$790,065	\$790,065

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$132,000	\$132,000		<input checked="" type="checkbox"/>
2019		\$150,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022		\$508,065			<input type="checkbox"/>
Total		\$790,065	\$132,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 141166 **Request Year** 2018

Bucket Truck Replacement - Traffic 5110

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

scheduled replacement

Project Justification

Current unit is 2000 bucket truck

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$125,000	\$125,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$125,000	\$125,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$125,000	\$125,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 14987 **Request Year** 2018

Mower 16' Replacement - Parks 7155

Vehicle Maintenance

Division Recreation and Facilities

Classification Vehicles

Project Description

16' mower

Project Justification

Current unit is a model year 1999 and is a large area mower used for parks and open spaces. A new unit will decrease down time and maintenance costs.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$95,000	\$95,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$95,000	\$95,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$95,000	\$95,000		

Other Funding Source Description

Operating Budget Impact

Cost Estimate - based on prior large area mower purchases

Project Title ID 163075 **Request Year** 2018

Toolcat DPW Winter 5004

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

2008 Toolcat utility vehicle

Project Justification

scheduled replacement

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$70,000	\$70,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$70,000	\$70,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$70,000	\$70,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 141242 **Request Year** 2018

1 Ton Utility Truck Replacement - Traffic 2515

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

1996 1 ton utility truck

Project Justification

scheduled replacement

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$55,000	\$55,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$55,000	\$55,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$55,000	\$55,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184123 **Request Year** 2018

GPS Locating for Winter Vehicles/Equipment

Vehicle Maintenance

Division Public Works

Classification Equipment

Project Description

Deploy location and data tracking technologies on 70 units involved in winter operations including streets and sidewalks. This will provide real time locating of the plow fleet, as well as report functions such as plow up/down, sander on/off, and vehicle fault codes.

First year cost including hardware - \$50,000

Annual subscription cost after year 1 - \$13,000

Project Justification

This technology will assist DPS in planning for and responding to winter storms. Efficiencies in vehicle deployment and routing will be gained with data provided by this technology. GPS technology has the potential to lower total fleet miles as well as operational and maintenance costs.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$102,000	\$102,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$50,000	\$50,000		<input checked="" type="checkbox"/>
2019		\$13,000			<input type="checkbox"/>
2020		\$13,000			<input type="checkbox"/>
2021		\$13,000			<input type="checkbox"/>
2022		\$13,000			<input type="checkbox"/>
Total		\$102,000	\$50,000		

Other Funding Source Description

Operating Budget Impact

Reduced operational and maintenance costs.

Project Title ID 141176 **Request Year** 2018

Skidsteer Replacement - Districting/Winter 5102

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

1997 skidsteer

Project Justification

scheduled replacement

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$45,000	\$45,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$45,000	\$45,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$45,000	\$45,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 141119 **Request Year** 2018

3/4 Ton Pickup Replacement - Barron Center 3908

Vehicle Maintenance

Division Barron Center

Classification Vehicles

Project Description

Replace one 3/4-Ton pick-up truck, 4X4 w/plow.

Project Justification

Current truck is a 2003 3/4 ton. Scheduled replacement

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$38,000	\$38,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$38,000	\$38,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$38,000	\$38,000		

Other Funding Source Description

Operating Budget Impact

Replacing this vehicle will result in lower maintenance costs and improved efficiency.

Project Title ID 184034 **Request Year** 2018

Replace Forestry Chipper PRF 8019

Vehicle Maintenance

Division Recreation and Facilities

Classification Equipment

Project Description

1991 chipper

Project Justification

Existing unit is aged out.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$35,000	\$35,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$35,000	\$35,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$35,000	\$35,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 141547 **Request Year** 2018
 3/4 Ton Utility Van (Pickup to Van Replacement) - Trades - 2004

Vehicle Maintenance

Division Recreation and Facilities

Classification Vehicles

Project Description

2003 3/4 ton Pickup

Project Justification

scheduled replacement

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$30,000	\$30,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$30,000	\$30,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$30,000	\$30,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 141546 **Request Year** 2018

3/4 Ton Utility Van (Pickup to Van Replacement) - Trades 2003

Vehicle Maintenance

Division Recreation and Facilities

Classification Vehicles

Project Description

2003 1/2 Ton Pickup to be replaced with 3/4 ton utility van

Project Justification

scheduled replacement

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$30,000	\$30,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$30,000	\$30,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$30,000	\$30,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184122 **Request Year** 2018

Refurbished Floor Scrubber for Canco Properties

Vehicle Maintenance

Division Public Works

Classification Equipment

Project Description

This unit is needed to maintain the Canco Rd. properties and will help meet stormwater compliance as well as facility cleanliness.

Project Justification

Clean and maintain Canco Rd.
facilities

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$18,000	\$18,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$18,000	\$18,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$18,000	\$18,000		

Other Funding Source Description

Operating Budget Impact

CMOM - Inflow and Infiltration Program

Water Resources

Division Sewer

Classification Wastewater

Project Description

The I&I Reduction Program: A practical and systematic I&I reduction effort that is conducted strategically and opportunistically will reduce I&I flows over time and future treatment costs. I&I reduction will:

- Decrease operations and maintenance costs including pumping and treatment costs associated with extraneous flows
- Increase compliance performance and
- Potentially reduce compliance related costs

Project Justification

According to the EPA Clean Water Act Administrative Order Docket No. 12-009 CMOM Corrective Action Implementation Schedule outlines a three Phase I&I Reduction Plan. Phase I and Phase II are to be developed and submitted between January 2015 and December 1, 2019. The data compiled during this time frame will determine the extent of Phase III. The scope of the project in the CMOM includes a Phase I report that includes flow metering results and identifies all sub-catchment areas that have I&I flows in excess of 4,000GPD per inch diameter/mile of sewer. CIP Fiscal Years 2017 and 2018 (July 2016-June 2018) is a short time to accomplish both phase I and II. Phase III will be a mitigation plan...unpredictable without the results of Phase I and II

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$1,800,000		\$3,000,000		\$4,800,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2017		\$750,000	\$750,000		<input checked="" type="checkbox"/>
2018		\$260,000	\$260,000		<input checked="" type="checkbox"/>
2019		\$790,000			<input type="checkbox"/>
2020		\$1,000,000			<input type="checkbox"/>
2021		\$1,000,000			<input type="checkbox"/>
2022		\$1,000,000			<input type="checkbox"/>
Total		\$4,800,000	\$1,010,000		

Other Funding Source Description

Operating Budget Impact

CMOM - Sewer System Renewal

Water Resources

Division Sewer

Classification Wastewater

Project Description

Project involves engineering and construction of replacement/upgrades of priority sanitary sewers throughout the City's sewer network of over 200 miles of sewer lines that require replacement, relining or upgrade as recommended by the outside consulting report on condition assessment of the sewer infrastructure.

FY17 projects currently planned but may be revised due to approved funding amounts are as follows:

1. East End Lining due to SSO's, sags, cracks and roots as determined from CCTV data.
2. West End Lining due to SSO's, sags, cracks and roots as determined from CCTV data.

Project Justification

The City of Portland has an aging sewer infrastructure with some sewer lines reaching over 100 years in age. While we have greatly invested in upgrading and eliminating CSO's, funding in the past several years has been limited to support a basic service level for sewer cleaning and repairs, being less preventive and more emergency response to sewer line needs. This has resulted in the occasional sewer line backups or collapses that need to be upgraded or replaced. As a result of staff reports to the Department of Environmental Protection (DEP), on dry weather and wet weather sanitary sewer overflows (SSO's), EPA issued an Administrative Order on September 27, 2012 due the Agency's view that the City violated the Clean Water Act and is subject to penalties and further mandates. See attached. The mandates require that the City enter into a CMOM program. CMOM stands for Capacity, Management, Operations, and Maintenance Assessment. The program follows a 2012-2013 condition assessment report of the City's sewer infrastructure, that once completed will recommend specific preventive maintenance investments to eliminate the occurrences of SSO's.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$1,290,000		\$14,810,000		\$16,100,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2014		\$1,000,000	\$1,000,000		<input checked="" type="checkbox"/>
2015		\$1,100,000	\$1,100,000		<input checked="" type="checkbox"/>
2016		\$1,100,000	\$1,100,000		<input checked="" type="checkbox"/>
2017		\$1,100,000	\$1,100,000		<input checked="" type="checkbox"/>
2018		\$1,100,000	\$1,100,000		<input checked="" type="checkbox"/>
2019		\$1,100,000			<input type="checkbox"/>
2020		\$3,200,000			<input type="checkbox"/>
2021		\$3,200,000			<input type="checkbox"/>
2022		\$3,200,000			<input type="checkbox"/>
Total		\$16,100,000	\$5,400,000		

Other Funding Source Description

Operating Budget Impact

Staff is anticipating that as a result of an enhanced sewer preventive maintenance program and regular preventive maintenance, the Department will avoid unanticipated sewer line collapses that can cost anywhere from \$40,000-\$250,000 depending upon the length and location of the sewer line. In addition, the program will contribute toward avoiding fines and penalties as administered by the EPA. Based on our CSO Engineering Consultant recommendations, reoccurring sewer line replacement and upgrades could costs as much as \$3,000,000 per year.

Project Title ID 152461 **Request Year** 2018

CMOM - Pump Station Rehabilitation

Water Resources

Division Sewer

Classification Stationary Equipment

Project Description

The following projects were recommended to be done in FY16:

- Curtis Pump Station Engineering
- Curtis Gravity Sewer Engineering
- Riverton Replacement with Submersible Pump Station
- Castine Replacement of Security Fence
- Scata and Hardware Updates
- Flowmeters at Pump Stations

Project Justification

Recommendations in the CMOM report, which was done by Woodard and Curran.
Also from the I & I Study

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$5,800,000		\$5,800,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2015		\$682,000	\$680,000		<input checked="" type="checkbox"/>
2016		\$670,000	\$670,000		<input checked="" type="checkbox"/>
2017		\$1,100,000	\$1,100,000		<input checked="" type="checkbox"/>
2018		\$670,000	\$670,000		<input checked="" type="checkbox"/>
2019		\$670,000			<input type="checkbox"/>
2020		\$670,000			<input type="checkbox"/>
2021		\$670,000			<input type="checkbox"/>
2022		\$670,000			<input type="checkbox"/>
Total		\$5,802,000	\$3,120,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184193 **Request Year** 2018

City Engineering Services on Water Resource Projects

Water Resources

Division Sewer

Classification Wastewater

Project Description

Employees within Inspection / Survey / Research / Engineering Management Review time spent on water resource projects

Project Justification

General fund employees charging time spent on sewer projects. EPA order to separate.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$1,500,000				\$1,500,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$300,000	\$300,000		<input checked="" type="checkbox"/>
2019		\$300,000			<input type="checkbox"/>
2020		\$300,000			<input type="checkbox"/>
2021		\$300,000			<input type="checkbox"/>
2022		\$300,000			<input type="checkbox"/>
Total		\$1,500,000	\$300,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184197 **Request Year** 2018

Morrill's Corner Sewer Replacement

Water Resources

Division Sewer

Classification Wastewater

Project Description

Sewer replacement in the area of Morrill's Corner including Steven's Avenue, Bell Street, and Read Street.

Project Justification

Annual CCTV inspection identified this area in need of sewer rehab. In order to prevent a sewer failure, collapse, or SSO, the sewer needs to be replaced.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$250,000		\$250,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$250,000	\$250,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$250,000	\$250,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184195 **Request Year** 2018

Thames St. Sewer / Stormwater Extension

Water Resources

Division Sewer

Classification Wastewater

Project Description

The City will be extending Thames St. towards 58 Fore St. Portland Complex. This request is to just extend the sewer and storm drain system.

Project Justification

The project is sewer and storm drainage work related to the extension of Thames St. towards 58 Fore St. The amount in FY 18 is for engineering design and the development of bid specifications. The amount proposed in FY 19 is for the construction of the sewer and storm drainage.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$75,000		\$200,000		\$275,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$75,000	\$75,000		<input checked="" type="checkbox"/>
2019		\$200,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$275,000	\$75,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184196 **Request Year** 2018

Thames St. Stormwater Outfall

Water Resources

Division Sewer

Classification Wastewater

Project Description

Construction of new storm drain to run from Fore Street, down the proposed new Thames Street extension road and outfall across the Amethyst Lot Development Site.

Project Justification

Building this new stormdrain outfall will allow the water resources division to separate Fore Street/ Munjoy Hill watershed from Congress Street to Fore Street. This will reduce the flows to the India Street pump station and reduce CSO activity at CSO's 23 and 24.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$100,000		\$650,000		\$750,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2022					<input type="checkbox"/>
2018		\$100,000	\$100,000		<input checked="" type="checkbox"/>
2019		\$650,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
Total		\$750,000	\$100,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184173 **Request Year** 2018

Integrated Planning LTCP and Post Construction Monitoring Program

Water Resources

Division Sewer

Classification Wastewater

Project Description

The City of Portland is faced with many Clean Water Act regulations, federal and state orders around failure to meet those regulations, and stakeholder engagement over the state of the bay and climate change. The two permits that the City operates under are the CSO (Combined Sewer Overflow) Discharge Permit and the MS4 Permit (Municipal Separate Storm Sewer Systems). Both of these permits are expiring in 2018. When a permit reaches its 5 year renewal, it is open for comment by regulators and stakeholder groups such as Conservation Law, Friends of Casco Bay and the Casco Bay Estuary Partnership. The City's Long Term Control Plan is part of the CSO Permit, therefore, will be open for comment and a review of the plan is due to the EPA in December of 2018. Additionally, the East End WWTP is in the process of renewing its 5 year permit and stronger regulations are absolutely in store for them, which has a tremendous effect on our processes. Since it has been a goal of the City Council for some time to embark on an integrated plan, and because we have an excellent opportunity to approach all of these requirements as a team, including Portland Water District, I am asking that we combine all of the work needed into a single program over the next three years, with the third year having a monitoring program implementation, thus setting the City on the best possible path for growth and sustainability.

Project Justification

Improving water quality conditions is a fundamental goal of the city. Through the municipal budgeting process, however, the City must balance implementation of this goal with its efforts to achieve other equally important municipal goals. In addition, the City must address its water quality challenges within its limited legal authority to control the root causes of many of the water quality conditions. For these reasons, the City has always stressed and attempted to implement the most cost effective and streamlined process for meeting its water quality challenges. The Integrated Plan will consolidate - in one place - the City's water quality requirements and outline the specific measurable steps the City will take to achieve compliance with those requirements. The Integrated Plan will be based on both existing and new technical analysis, include an integrated monitoring plan, and would provide a regular assessment and adaptation to allow the plan to evolve and be refined over time. The plan will be developed through a public process and implemented through the various permits and Long Term Control Plan. The basis for the work will be derived from: the EPA Integrated Plan MEMORANDUM, May 2012, the EPA's framework for LTCP and the EPA's model for Post Construction monitoring. An integrated plan coupled with the required review of the LTCP, will allow the City staff, stakeholders and regulators to reach a consensus on what makes sense for the City to pursue, in what order and for what benefit. The \$2.5 million would include: Yr1 \$1.0m, Yr2 \$1.1m, Yr3 \$400k.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$2,500,000				\$2,500,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$1,000,000	\$1,000,000		<input checked="" type="checkbox"/>
2019		\$1,100,000			<input type="checkbox"/>
2020		\$400,000			<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$2,500,000	\$1,000,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 141794 **Request Year** 2018

Stormwater Infrastructure Improvements

Water Resources

Division Stormwater

Classification Streets/Sidewalks

Project Description

The project would involve the design and construction of added storm drainage piping, catch basins and other improvements addressing neighborhood street and property flooding issues, as well as stormwater pipe failures. Project funds would be used within public rights of way, and within private property affecting public rights of way, where existing drainage systems are inadequate.

Project Justification

The project funds would address ongoing complaints about drainage system deficiencies within the City's storm drainage system and neighborhood issues that the Department receives as requests to correct from residents, City Councilors and/or staff. The proposed storm water utility program, if adopted, would fund improvements and system corrections on a sustained basis.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$1,400,000		\$1,400,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2019		\$200,000			<input type="checkbox"/>
2020		\$200,000			<input type="checkbox"/>
2016		\$200,000	\$200,000		<input checked="" type="checkbox"/>
2017		\$200,000	\$200,000		<input checked="" type="checkbox"/>
2018		\$200,000	\$200,000		<input checked="" type="checkbox"/>
2021		\$200,000			<input type="checkbox"/>
2022		\$200,000			<input type="checkbox"/>
Total		\$1,400,000	\$600,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 162995 **Request Year** 2018

Warren Ave Storm Drain - 517 Warren Ave. to 659 Warren Ave.

Water Resources

Division Stormwater

Classification Wastewater

Project Description

Replace the existing 18", 24" and 36" CMP storm drain that has failed within Warren Ave. between 517 Warren Ave. and 659 Warren Ave. before MaineDOT conducts Arterial Paving - potentially as soon as 2018.

Project Justification

A recent risk analysis has shown this stormwater system as a Category 5: imminent failure condition. MDOT is expected to deliver a paving project in the near future; this work needs to be complete before they begin. Otherwise, a significantly higher cost for moratorium repairs will be borne by the Sewer Fund.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$90,000		\$900,000		\$990,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$990,000	\$990,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$990,000	\$990,000		

Other Funding Source Description

Operating Budget Impact

Reduced maintenance of the stormwater system.

Project Title ID 173621 **Request Year** 2018

Franklin Street Storm Drain

Water Resources

Division Stormwater

Classification Wastewater

Project Description

Install separated storm drainage in coordination with the Franklin Street redesign.

Project Justification

Franklin Street, rebuilt from a local urban street to a broad, vehicle-dominated thoroughfare in the late 1960's, has long been cited as a major roadway in dire need of redesign. To date, an initial feasibility study was completed for the roadway several years ago and a second study was completed, with the City Council approving the redesign as a City Transportation Master Plan.

Currently, a preliminary design report product is underway for the portion of Franklin from Oxford to I-295.

The MaineDOT, a partner in the current study process with the City and PACTS, has made it clear that funding for the complete redesign is very unlikely to be totally derived from federal funding. As such, the City will be investigating other funding strategies, including use of local CIP money. While the scope and cost of future design work is still preliminary, it is anticipated that those costs will be significant.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$300,000		\$5,000,000		\$5,300,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$300,000	\$300,000		<input checked="" type="checkbox"/>
2019		\$2,000,000			<input type="checkbox"/>
2020		\$1,000,000			<input type="checkbox"/>
2021		\$2,000,000			<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$5,300,000	\$300,000		

Other Funding Source Description

General fund CIP request

Operating Budget Impact

The reconstruction of this street would allow for the development of land alongside the roadway, likely increasing the overall taxable property for the City. In addition, the age and condition of Franklin has begun to require costly maintenance work, including two City-funded paving projects in the last two years.

Project Title ID 173676 **Request Year** 2018

Peaks Island Green Infrastructure

Water Resources

Division Stormwater

Classification Wastewater

Project Description

The Water Resources Division is requesting CIP money for a green infrastructure project at the Peaks Island Community Center to help alleviate drainage problems on the site. The Community Center is currently in the planning phase of building renovations, and the intent would be to complete the green infrastructure project in conjunction with the renovations. The current idea for green infrastructure would be a rain garden to the rear of the building and a potential pervious sidewalk system.

Project Justification

The City has an opportunity to effectively utilize open green space to install stormwater green infrastructure. Utilizing this infrastructure will help take a burden off the combined sewer system and help mitigate CSO overflows and flooding during high intensity rainfall events, as well as providing water quality benefits during regular rain events.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$50,000		\$50,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$50,000	\$50,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$50,000	\$50,000		

Other Funding Source Description

Operating Budget Impact

Maintenance

Project Title ID 173644 **Request Year** 2018

Green Infrastructure

Water Resources

Division Stormwater

Classification Wastewater

Project Description

The project would involve the design and construction of added green infrastructure. Project funds would be used within public rights of way, and within private property affecting public rights of way, where existing drainage systems are inadequate. Potential project may include the following:

Monument Square Pervious Surface Treatment

Top of the Hill parking lot

Coyle St.

Irving St.

Installation of pervious pavement within the basketball courts to treat the stormwater runoff.

Project Justification

The City has an opportunity to effectively utilize open green space to install stormwater green infrastructure. Utilizing this infrastructure will help take a burden off the combined sewer system and help mitigate CSO overflows and flooding during high intensity rainfall events, as well as providing water quality benefits during regular rain events.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$1,250,000		\$1,250,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$250,000	\$200,000		<input checked="" type="checkbox"/>
2019		\$250,000			<input type="checkbox"/>
2020		\$250,000			<input type="checkbox"/>
2021		\$250,000			<input type="checkbox"/>
2022		\$250,000			<input type="checkbox"/>
Total		\$1,250,000	\$200,000		

Other Funding Source Description

Operating Budget Impact

Maintenance

Project Title ID 184174 **Request Year** 2018

Smart Cover Systems for SSO's

Water Resources

Division Sewer

Classification Wastewater

Project Description

Web-based satellite-transmitted level alarm system for SSO prevention.

Project Justification

This is a manhole-specific level monitoring system that trends levels in manholes in an effort to predict surcharge trending in systems that have experienced SSO's. Its alarm system emails, phones and texts alarms when trends show surcharge conditions. The system has been tried at two system sites and performs as advertised. Both the EPA and DEP have made mention of these preventive systems and have noted that Bangor and Lewiston are both on board with the systems.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$45,000	\$45,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$45,000	\$45,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$45,000	\$45,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184175 **Request Year** 2018

Pole Camera

Water Resources

Division Sewer

Classification Wastewater

Project Description

Video camera sufficient to provide inspection of underground utilities

Project Justification

This unit will replace our 8 year old unit that is only marginally functional and not compatible with our existing mobile hardware and software. The unit is used to provide TV analysis in remote areas or in conditions requiring instantaneous televising without the time consuming set up of our more formal mobile equipment.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$20,000	\$20,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$20,000	\$20,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$20,000	\$20,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184369 **Request Year** 2018

PACTS Veranda St. paving - ineligible Utility costs

Water Resources

Division Sewer

Classification Streets/Sidewalks

Project Description

The City's utility system must be adjusted and/or repaired when pavement preservation occurs. These are ineligible costs and are entirely borne by the City. Typical paving contract costs show that 5% of the value is for sewer & stormwater structure work, providing no major repairs are necessary.

Project Justification

PACTS has provided a highly leveraged pavement preservation project (75%) that will occur in 2017. Water Resources prefers that the necessary work is made part of the paving contract.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$267,381		\$267,381

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018	\$249,381	\$18,000	\$18,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total	\$249,381	\$18,000	\$18,000		

Other Funding Source Description

PACTS TIP provides up to \$249,381 in Federal & State funding, for pavement preservation only.

Operating Budget Impact

Minimizes costs to annual labor & materials budgets and eliminates scheduling logistics.

Project Title ID 184370 **Request Year** 2018

Pavement Preservation Program - Utility costs

Water Resources

Division Sewer

Classification Streets/Sidewalks

Project Description

Paving activity requires that sewer and stormwater structures be adjusted and/or repaired. Typical contract costs show that 5% of the paving program value is spent on such activity.

Project Justification

Paving requires that structures be adjusted, and Water Resources staff have advised that building those costs into the contracted work is preferred.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$1,000,000		\$1,000,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$200,000	\$200,000		<input checked="" type="checkbox"/>
2019		\$200,000			<input type="checkbox"/>
2020		\$200,000			<input type="checkbox"/>
2021		\$200,000			<input type="checkbox"/>
2022		\$200,000			<input type="checkbox"/>
Total		\$1,000,000	\$200,000		

Other Funding Source Description

NOTE - the \$200,000 estimated annual cost is 5% of the \$4M annual request in the General Fund.

Operating Budget Impact

Minimizes costs to annual budgets and eliminates scheduling logistics.

Project Title ID 184372 **Request Year** 2018

MPI Paving Program - Utility costs

Water Resources

Division Sewer

Classification Streets/Sidewalks

Project Description

The City actively seeks 50% leveraged paving projects from MaineDOT and PACTS known as "MPI" via the General Fund. Each award results in paving activity that triggers adjustment and/or repair of sewer & stormwater structures. Typical paving contract costs show that 5% of the value is for this sewer & stormwater structure work.

FY18 request is for PACTS awarded Allen Ave. project; FY19 request is a combination of Allen & Washington Avenue goals. FY20 and beyond is not yet defined.

Project Justification

These costs are triggered each time the City is awarded 50% leveraged paving projects by MaineDOT or PACTS. Water Resources prefers that the necessary work is made part of the paving contract.

The next cycle of applications to the MPI program take place in January 2017; we are specifically seeking funding for Allen Avenue and Washington Avenue.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$200,000		\$2,913,550		\$3,113,550

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018	\$137,500	\$13,750	\$13,750		<input checked="" type="checkbox"/>
2019	\$1,193,000	\$119,300			<input type="checkbox"/>
2020	\$500,000	\$50,000			<input type="checkbox"/>
2021	\$500,000	\$50,000			<input type="checkbox"/>
2022	\$500,000	\$50,000			<input type="checkbox"/>
Total	\$2,830,500	\$283,050	\$13,750		

Other Funding Source Description

FY18 = PACTS awarded Allen Ave. 50% leveraged project; General Fund request of 45% Local Match, Sewer to supply 5%. FY19-22 requests are tied to General Fund & MPI requests being made; adjustments are likely. 45% of the City's 50% match of total project values are requested via the General Fund.

Operating Budget Impact

Minimizes annual budget costs and eliminates scheduling logistics.

Project Title ID 141056 **Request Year** 2018

Street Sweepers Replacement

Vehicle Maintenance

Division Sewer Fund

Classification Vehicles

Project Description

Must replace 1 street sweeper per year to maintain the fleet

Project Justification

scheduled replacements

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$1,755,000	\$1,755,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2015		\$175,000	\$175,000		<input checked="" type="checkbox"/>
2016		\$175,000	\$175,000		<input checked="" type="checkbox"/>
2017		\$195,000	\$195,000		<input checked="" type="checkbox"/>
2018		\$215,000	\$215,000		<input checked="" type="checkbox"/>
2019		\$245,000			<input type="checkbox"/>
2014		\$165,000	\$165,000		<input checked="" type="checkbox"/>
2020		\$195,000			<input type="checkbox"/>
2021		\$195,000			<input type="checkbox"/>
2022		\$195,000			<input type="checkbox"/>
Total		\$1,755,000	\$925,000		

Other Funding Source Description

Operating Budget Impact

Decreased maintenance costs

Project Title ID 184082 **Request Year** 2018

Skidsteer w/ Attachments

Vehicle Maintenance

Division Sewer Fund

Classification Vehicle - New (Not Replacement)

Project Description

A Bobcat or equivalent skid-steer loader with front mounted broom, fork, loader and pavement milling attachments.

Project Justification

This heavy duty multi use unit will assist with winter catch basin cleaning and will provide support to our sweeping and construction groups. The unit will be used to run curb lines, removing heavy debris and leaves ahead of the sweeper units. Additionally, construction crews will use the unit for pavement restoration around manholes, as well as materials handling at various job sites.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$120,000		\$120,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$120,000	\$75,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$120,000	\$75,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184083 **Request Year** 2018

Tracked Jet Cleaner

Vehicle Maintenance

Division Sewer Fund

Classification Vehicle - New (Not Replacement)

Project Description

A tracked sewer cleaning jet unit designed to traverse collection system rights of way not typically accessible with standard cleaning equipment.

Project Justification

Several of our collection system rights of way (once cleared) will be inaccessible for our current fleet of cleaning apparatuses. The tracked unit will provide cleaning capability and eliminate the need for costly installation of equipment accessible roadways.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$45,000	\$45,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$45,000	\$45,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$45,000	\$45,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184084 **Request Year** 2018

Midsized Wheel Loader

Vehicle Maintenance

Division Sewer Fund

Classification Vehicle - New (Not Replacement)

Project Description

A mid-sized articulated front end loader sufficient to load trucks and assist with snow removal.

Project Justification

This mid sized unit will enhance our catch basin snow removal efforts. Many of our 6000 basins are buried in snow and ice and require a unit sufficiently sized to remove and load the snow. Additionally, a number of cross country job sites will require intermediate sized loader capability for materials handling and delivery.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$250,000	\$250,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$250,000	\$150,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$250,000	\$150,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184085 **Request Year** 2018

Rubber Tired Excavator

Vehicle Maintenance

Division Sewer Fund

Classification Vehicle - New (Not Replacement)

Project Description

Intermediate sized rubber tired excavator. Excavator will have the capacity to excavate at depths in excess of our current 8 foot limit. Lifting capacity will be sufficient to accommodate larger trench boxes and the multi purpose bucket assembly will provide more efficient job site operations.

Project Justification

A number of our system emergency point repairs require excavations in excess of 8 feet in depth. Unit 5082 was purchased for that purpose and was specified with rubber tires to prevent pavement damage associated with typical tracked units. A number of our recent emergency excavations required contractor service due to our inability to mobilize with a unit of this type.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$325,000	\$325,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2018		\$325,000	\$200,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
Total		\$325,000	\$200,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184086 **Request Year** 2018

3/4T Pickup Truck

Vehicle Maintenance

Division Sewer Fund

Classification Vehicle - New (Not Replacement)

Project Description

A 3/4 ton 4X4 extra cab sufficient to haul our sewer rodding machine.

Project Justification

This separate unit will provide for quicker rodder mobilization during emergency call-ins. The extra cab will provide room for safety gear and related equipment.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$45,000	\$45,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$45,000	\$35,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$45,000	\$35,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 184087 **Request Year** 2018

Tank Truck

Vehicle Maintenance

Division Sewer Fund

Classification Vehicle - New (Not Replacement)

Project Description

A used tank truck with capacity of 3000 to 5000 gallons

Project Justification

This unit will run in companion with our Vactor sewer cleaner and will be used in those areas where access to public hydrants is limited. At 80 GPM and 2500 PSI, it does not take long for Vactor water storage to be depleted requiring job site break down and refill.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$25,000	\$25,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018		\$25,000	\$25,000		<input checked="" type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
Total		\$25,000	\$25,000		

Other Funding Source Description

Operating Budget Impact

C. Capital Improvement Plan - FY2019 through FY2022 Project Requests						
Department	Division	ProjectTitle	2019	2020	2021	2022
HEALTH AND HUMAN SERVICES						
Barron Center	Environmental Services	Parking lot and Loading Dock Repairs	117,489	68,343		69,505
Barron Center	Environmental Services	Energy Management Project		350,000		
Barron Center	Environmental Services	John Deere X729 Tractor	15,750			
Barron Center	Nutrition and Supply	Expansion of walk in cooler and freezer FY19	90,628			
FIRE DEPARTMENT						
Fire Department	Vehicle Maintenance	Scheduled Ambulance Replacement	240,000			
Fire Department	Building Maintenance	Masonry, Windows, remodel at Munjoy Public Safety bui	275,000			
Fire Department	Building Maintenance	Central Fire Station Exterior Masonry	190,000			
Fire Department	Building Maintenance	East Deering Fire Station roof and upgrades	165,000			
Fire Department	Building Maintenance	Overhead Door at Peaks Island Station Replacement	82,000			
Fire Department	Building Maintenance	Conversion of Boilers to Natural Gas at 4 Fire Stations	105,000			
LIBRARY						
Library	Library	Burbank Roof Work	25,000			
Library	Library	Burbank Parking lot	15,000			
Library	Library	Outreach vehicle (electric)	25,000			
PARKING						
Parking / Garages	Spring Street Garage	Condition Appraisal repairs at Spring Street Garage	100,000			
Parking / Garages	Administration	Parking Meters Replacement	131,250	177,550	177,550	100,000
Parking / Garages	Temple Street Garage	Temple St Garage Cond. Appraisal Rrs Concrete & S/W	290,000			
Parking / Garages	Temple Street Garage	Temple St Parking Garage Cond. Appraisal Rprs Concrete & S/W 2		185,000		
Parking / Garages	Elm Street Garage	Waterproofing at Elm Street Garage	225,000			
Parking / Garages	Elm Street Garage	Recaulking joints Elm St Garage		360,000		
PLANNING & URBAN DEVELOPMENT						
Planning & Urban Developm	Planning	Peninsula Wayfinding Program	35,000	250,000		
POLICE DEPARTMENT						
Vehicle Maintenance	Police Department	Police Cruisers (7)) Replacement - Police	266,000	266,000	266,000	266,000
Police Department	Bureau of Invest	Gel Scan Digital Evidence Device	67,553			
Police Department	Dispatch Services	RMS/CAD-RECORDS MANAGEMENT SYSTEM		1,500,000		
Police Department	Uniformd Ops Group	Patrol Full Body Cameras	400,000			
Police Department	Uniformd Ops Group	(2) Speed Radar Trailers	15,000			
PUBLIC WORKS						
Public Works	Traffic	PACTS RTMS (Regional Transportation Management Sy	250,000	250,000	250,000	250,000
Public Works	Administration	Thames Street Extension Engineering and Construction		300,000	3,000,000	
Public Works	Engineering	Pavement Preservation Program	3,800,000	3,800,000	3,800,000	3,800,000
Public Works	Engineering	Sidewalk Rehabilitation/Accessibility	600,000	600,000	600,000	600,000
Public Works	Traffic	Traffic Signal Work in Support of Paving Programs	150,000	150,000	150,000	150,000
Public Works	Engineering	CSO Compliance - SRF Ineligibles	1,000,000	1,000,000	1,000,000	1,000,000
Public Works	Traffic	Traffic Signals at Various Locations	800,000	400,000	400,000	400,000
Public Works	Engineering	Street Rehabilitation Program	2,800,000	2,800,000	2,800,000	2,800,000
Public Works	Engineering	Washington Ave Rehabilitation (Cumberland to E. Prom)	1,750,000			
Public Works	Traffic	Railroad Quiet Zone Improvements	50,000	100,000	100,000	100,000
Public Works	Engineering	Ludlow St Rehabilitation project	805,000			
Public Works	Engineering	PACTS TIP Paving (Multiple Locations) - 25% Local Match		750,000		750,000
Public Works	Engineering	MPI Paving Program		450,000	450,000	450,000
Public Works	Engineering	City Hall Plaza Rehabilitation & Sidewalk/ADA Curb Acce	250,000			
Public Works	Engineering	MPI paving - Washington Ave Section 3	351,900			
Public Works	Engineering	MPI paving - Washington Ave. Section 4	518,400			
Public Works	Engineering	MPI paving - Allen Avenue Section 2	203,400			
Public Works	Engineering	PACTS Collector Paving Allen Avenue	182,000			
Public Works	Engineering	PACTS Collector Paving Washington Avenue	52,100			
Public Works	Engineering	PACTS Collector Paving Cumberland Avenue	125,000			
Public Works	Engineering	PACTS Collector Paving - Danforth Street	57,000			
Public Works	Traffic	PACTS TIP Washington Ave. Road & Signals	43,900	387,000		
Public Works	Engineering	PACTS Local Match for 2020 and Beyond		500,000	500,000	500,000
Public Works	Engineering	GPS unit for Survey team		28,000		
PARKS						
Recreation and Facilities	Parks	Amethyst Lot	1,000,000	1,000,000		
WATERFRONT / MARINE						
Recreation and Facilities	Waterfront	Compass Park - Ongoing pile/pier work		100,000		100,000
Recreation and Facilities	Waterfront	Floats at Cushing, Maine State Pier, East End Beach, Peaks		100,000		100,000

Department	Division	ProjectTitle	2019	2020	2021	2022
RECREATION AND FACILITIES						
Recreation and Facilities	City Hall	Clock Tower repairs @ Bell	400,000			
Recreation and Facilities	Exposition Building	Emergency Egress at Exposition Building	200,000			

Department	Division	ProjectTitle	2019	2020	2021	2022
Recreation and Facilities	Athletic Facilities	Lyman Moore Ballfields - Drainage Phase II	200,000			
Recreation and Facilities	Athletic Facilities	Playground at Riverton School	250,000			
Recreation and Facilities	Exposition Building	Exterior Masonry at Exposition Building	250,000			150,000
Recreation and Facilities	Exposition Building	Roof Replacement Exposition Building	30,000	400,000		
Recreation and Facilities	City Hall	Copper Roof at City Hall		1,500,000		
Recreation and Facilities	City Hall	Passenger Elevator at City Hall				
Recreation and Facilities	Merrill Auditorium	Replace exterior doors and windows			300,000	
Recreation and Facilities	Public Safety	Windows at Public Safety		225,000		225,000
Recreation and Facilities	Other Public Buildings	Mortar Repointing at 55 Portland St				150,000
Recreation and Facilities	Waterfront	Capstans at Portland Ocean Terminal		80,000		
Recreation and Facilities	City Hall	Generator for City Hall	230,000			
Recreation and Facilities	Other Public Buildings	Generator for 55 Portland St		100,000		
Recreation and Facilities	Exposition Building	Sidewalks at Exposition Building Entrance	150,000			
Recreation and Facilities	Merrill Auditorium	Flooring Replacement Backstage				40,000
Recreation and Facilities	City Hall	A/C Installation	150,000			
Recreation and Facilities	Ice Arena	Troubh Ice Arena Floor Matts	75,000			
Recreation and Facilities	Waterfront	Bollard/ Bit Replacement	100,000			100,000
Recreation and Facilities	Exposition Building	Concession Stand Renovation	150,000			
Recreation and Facilities	City Hall	Replace sewer main in tunnel		100,000		
Recreation and Facilities	Other Public Buildings	Car Shed Upgrade	50,000			
Recreation and Facilities	Hadlock Field	Hadlock Concourse Stair Stringers	100,000		100,000	
Recreation and Facilities	Hadlock Field	Hadlock Lighting Upgrades		500,000		500,000
Recreation and Facilities	Merrill Auditorium	Merrill- Lobby/Concession Flooring		120,000		
Recreation and Facilities	Merrill Auditorium	Merrill Roof Replacement				400,000
Recreation and Facilities	Public Safety	Replace Concrete Steps at entrance	150,000			
Recreation and Facilities	Public Safety	Public Safety Master Plan/Rehab Engineering	70,000			500,000
Recreation and Facilities	Public Safety	Public safety Repoint/Waterproof		100,000		100,000
Recreation and Facilities	Recreation	Replace Gym Floor at Riverton	200,000			
Recreation and Facilities	Waterfront	On going pile/pier work	225,000		225,000	
Recreation and Facilities	Waterfront	POT - Pile engineering Survey	200,000			
Recreation and Facilities	Waterfront	POT/OG/ Compass Park Concrete Pier Deck repairs	75,000			
Recreation and Facilities	Waterfront	Mega Berth Terminal Structural Painting	50,000		50,000	
Recreation and Facilities	Waterfront	Replace OG Plaza Sidewalk	100,000			
Recreation and Facilities	Other Public Buildings	Deering Oaks Restroom Facility	300,000			
Recreation and Facilities	Exposition Building	Replace Arena Air Handlers			40,000	
Recreation and Facilities	Athletic Facilities	Dougherty Field Construct Football Field	250,000			
Recreation and Facilities	Athletic Facilities	Softball Field at Riverton School	75,000			
Recreation and Facilities	Hadlock Field	Structural Repairs/Door Frame replacement - Hadlock	190,000			
Recreation and Facilities	Recreation	Reiche/Lyseth School Playground	250,000			
Recreation and Facilities	Administration	Repair fence at Ocean Avenue Dog Park	28,000			
Recreation and Facilities	City Hall	A/C Engineering Survey	40,000			
Recreation and Facilities	City Hall	Roof Related Engineering	40,000			
Recreation and Facilities	Exposition Building	A/C Arena Area		200,000		
Recreation and Facilities	Golf Course	Cart Shed Upgrades	50,000			
Recreation and Facilities	Hadlock Field	Roof Overlay	100,000	100,000		
Recreation and Facilities	Hadlock Field	Metal Siding Replacement	60,000			
Recreation and Facilities	Hadlock Field	Skybox Structural Concrete/Steel Replacement				100,000
Recreation and Facilities	Merrill Auditorium	Stage Floor Replacement	80,000			
Recreation and Facilities	Other Public Buildings	90 Anderon St Upgrades			250,000	
Recreation and Facilities	Other Public Buildings	250 Canco Rd Roof Eng/Replacement		70,000		700,000
Recreation and Facilities	Other Public Buildings	250 Canco Road Masonry Maintenance	100,000			
Recreation and Facilities	Other Public Buildings	212 Canco Road Driveway Overlay	120,000			
Recreation and Facilities	Other Public Buildings	250 Canco Road Fleet Addition				
Recreation and Facilities	Other Public Buildings	250 Canco Road Salt Shed				
Recreation and Facilities	Public Safety	Plaza Walk Replaced	200,000			
Recreation and Facilities	Waterfront	Pile Jackets -OG		225,000		225,000
Recreation and Facilities	Parks	Fitzpatrick Scoreboard and Road Drainage	102,000			
Recreation and Facilities	Parks	Payson Softball Field - Replace Lights	250,000			
Recreation and Facilities	Parks	Riverton Softball Drainage and Erosion Issues	65,000			
Recreation and Facilities	Parks	Harborview Park Community Garden	25,000			
Recreation and Facilities	Parks	Valley Street Basketball Reconstruction	65,000			
Recreation and Facilities	Parks	Payson Park Parking and Curbing Construction	250,000			
Recreation and Facilities	Parks	Payson Park Parking and Curbing Engineering	30,000			
Recreation and Facilities	Golf Course	ADA Accessible Path at Riverside Golf Course	225,000			
Recreation and Facilities	Golf Course	Winter Grooming Machine	30,000			
Recreation and Facilities	Golf Course	Continued Course Improvements at Riverside Golf Course	50,000			
Recreation and Facilities	Aquatics	Tiling Riverton Pool	1			
Recreation and Facilities	Recreation	Ice Arena - Sidewalk replacement and addition parking spaces	87,200			
Recreation and Facilities	Parks	Deering High Field Upgrades		275,000		
Recreation and Facilities	Parks	Deering Oaks Baseball Lights		350,000		
Recreation and Facilities	Parks	Deering Oaks Infield Upgrades		75,000		

Department	Division	ProjectTitle	2019	2020	2021	2022
Recreation and Facilities	Parks	Dougherty Field - Athletic Field Upgrades, Parking	325,000			
Recreation and Facilities	Parks	Fencing Replacement				100,000
Recreation and Facilities	Parks	Fitzpatrick Paving and ADA Improvements		235,000		
Recreation and Facilities	Parks	Fitzpatrick Stadium Entrance Upgrades			75,000	
Recreation and Facilities	Parks	Fox St Irrigation Replacement				50,000
Recreation and Facilities	Parks	Memorial Field Artificial Turf Replacement	600,000			
Recreation and Facilities	Parks	Memorial Field Scoreboard Drainage and Landscaping		60,000		
Recreation and Facilities	Parks	Payson B Softball Drainage and Irrigation			110,000	
Recreation and Facilities	Parks	Riverton Softball Lighting Replacement				275,000
Recreation and Facilities	Parks	Evergreen Driveway Drainage		620,580		
Recreation and Facilities	Parks	Evergreen Repaving Roads				250,000
Recreation and Facilities	Parks	Nasons Corner Community Garden				25,000
Recreation and Facilities	Parks	Payson Park Community Garden--Expansion		25,000		
Recreation and Facilities	Parks	Deering Oaks Tennis Court Lights--Replace			350,000	
Recreation and Facilities	Parks	Eastern Prom Tennis and Basketball Court Resurface				50,000
Recreation and Facilities	Parks	Fox St Basketball Resurface			30,000	
Recreation and Facilities	Parks	Fox St Futsal Court	100,000			
Recreation and Facilities	Parks	Longfellow Basketball Drainage			275,000	
Recreation and Facilities	Parks	Longfellow Basketball Resurface				75,000
Recreation and Facilities	Parks	Payson Tennis and Basketball Court Resurface			50,000	
Recreation and Facilities	Parks	Reiche Basketball Resurface			30,000	
Recreation and Facilities	Parks	Riverton Tennis Court Resurface		50,000		
Recreation and Facilities	Parks	Deering Oaks Ravine Rehab			475,000	
Recreation and Facilities	Parks	Deering Oaks Sidewalks and Curbing--Kings Cross Rd				450,000
Recreation and Facilities	Parks	Deering Oaks Sidewalks--walking paths around pond				150,000
Recreation and Facilities	Parks	Martins Point Access Improvements				150,000
Recreation and Facilities	Parks	Payson Park Parking and Curbing Construction	250,000			
Recreation and Facilities	Parks	Picnic Pavillions				150,000
Recreation and Facilities	Parks	Riverton Trolley Park Trails, Water Access	75,000			
Recreation and Facilities	Parks	Dougherty Playground	250,000			
Recreation and Facilities	Parks	Dougherty Skate Park Expansion	200,000			
Recreation and Facilities	Parks	Longfellow Playground			250,000	
Recreation and Facilities	Parks	Deering Oaks Ravine Wading Pool			250,000	
Recreation and Facilities	Parks	Riverton Playground	250,000			
Recreation and Facilities	Parks	Stone Street Playground--Upgrade and Splashpad Erosion Issues		225,000		
Recreation and Facilities	Parks	Tate Tyng Playground				150,000
Recreation and Facilities	Parks	Back Cove Guard Rail		100,000		
Recreation and Facilities	Parks	Dougherty Field Trails	25,000			
Recreation and Facilities	Parks	Sensory Trail			50,000	
Recreation and Facilities	Other Public Buildings	Observatory - Painting and Other Maintenance	50,000			
SCHOOL DEPARTMENT						
School Department	School Maintenance	DHS -Windows				
School Department	School Maintenance	Pave Multiple School Campuses	250,000	250,000		
School Department	School HVAC	Lyman Moore - Boiler Replacement				
School Department	School Maintenance	East End Community School Wall Repair				
School Department	Administration	District Phone System				
School Department	School Maintenance	DHS FLS Space				
School Department	Transportation	Replacement School Bus	150,000			508,065
School Department	School Maintenance	DHS Kitchen Remodel/Upgrade		700,000		
School Department	School HVAC	Energy Management Control Upgrades				
School Department	School Maintenance	Engineering for Roofs				25,000
School Department	School Maintenance	PATHS - Technology / Network Engineering				
School Department	School Maintenance	Lyman Moore - Engineering/Fire Alarm Replacement		250,000		
School Department	School Maintenance	King - Engineering/Fire Alarm		250,000		
School Department	School Maintenance	Reiche - Engineering - New Brackett St Entrance	200,106	2,200,000		
School Department	School Maintenance	DHS - Install Sprinkler System	1,255,130			
School Department	School Maintenance	Lyman Moore - Paving Drainage	750,000	1,150,000		
School Department	School Maintenance	Hall Kindergarten Relocation to DHS				
School Department	School Maintenance	PHS - Roof Replacement	850,000			
School Department	School Maintenance	Major Capitol School Construction	40,000			
School Department	School Maintenance	Longfellow Electrical and Elevator	500,484			
School Department	School Maintenance	CBHS - Engineering/ Construction for new entrance	1,159,258			
School Department	School Maintenance	PHS - Replace Retaining Wall and Iron Railings	300,000			
School Department	School Maintenance	Bayside 2nd Floor Renovation	65,000			
School Department	School HVAC	Riverton - A/C		50,000		
School Department	School HVAC	DHS - Air Handling Units		100,000		
School Department	School Maintenance	Riverton School - Masonry	100,000		100,000	100,000
School Department	School Maintenance	PHS - Masonry			400,000	750,000
School Department	School Maintenance	Peaks Island School - Interior Renovations	250,000			
School Department	School Maintenance	DHS - Site Drainage	200,000			

Department	Division	ProjectTitle	2019	2020	2021	2022
School Department	School Maintenance	PHS -Windows	250,000	250,000	250,000	
School Department	School Maintenance	DHS - Ceilings		150,000		
School Department	School Maintenance	PHS - Auditorium Renovations			350,000	
School Department	School Maintenance	PHS - Rehabiliate Terazzo Floors		75,000		
School Department	School Maintenance	Lincoln School - Corridor Floors & Lockers	250,000			
School Department	School HVAC	PATHS- Boiler Replacement	500,000			
School Department	School Maintenance	PHS - Boiler Room Abatement		60,000		
School Department	School Maintenance	Paths - Window Replacement	300,000			
School Department	School Maintenance	DHS - Engineering/Roof Replacement		50,000	750,000	750,000
School Department	School Maintenance	King - Gym floor			75,000	
School Department	School HVAC	Lincoln - HVAC Rooftop Units			100,000	
School Department	School Maintenance	Peaks - Technology Upgrade/Fire Alarm			100,000	

Department	Division	ProjectTitle	2019	2020	2021	2022
School Department	School Maintenance	Lyman Moore - Leighting/Ceiling Replacement			250,000	250,000
School Department	School Maintenance	DHS - Auditorium Restoration			250,000	500,000
School Department	School HVAC	PHS - Oil Tanks and Boiler Removal	100,000			
School Department	School HVAC	DHS - A/C in Front Office			45,000	
School Department	School Maintenance	King - Bathroom Renovations			70,000	
School Department	School Maintenance	Lyman Moore - Electrical Upgrades				180,000
School Department	School Maintenance	King - Lighting and Ceiling Replacement		125,000		
School Department	School Maintenance	Lyman Moore - Window Replacement		250,000		
School Department	School Maintenance	PHS - Roof Replacement - Engineering	50,000	750,000	750,000	
School Department	Transportation	Food Service Truck				
School Department	School HVAC	District Office Boiler Replacement		310,000		
School Department	School Maintenance	PATHS - Engineering/Freight Elevator at Stair 2/				
School Department	School Maintenance	PHS - Floor Repairs		140,000		
School Department	School Maintenance	PHS - Engineering/ Electrical Upgrades	30,000	150,000		
School Department	School Maintenance	DHS - Engineering/Masonry Restoration		300,000	300,000	300,000
School Department	School Maintenance	PHS - New Gym Floor			125,000	
School Department	School HVAC	PHS - HVAC Rooftop Units			150,000	
School Department	Administration	Elementary School Devices		100,000	100,000	55,000
School Department	Administration	Network Switches	55,000	100,000	100,000	65,000
School Department	School Maintenance	PHS Floor Repairs		140,000		
School Department	School HVAC	King - HVAC Rooftop Units				100,000
School Department	School HVAC	PATHS - HVAC Rooftop Units				100,000
School Department	Administration	King - Technology Upgrade				125,000
School Department	School HVAC	Lyman Moore - HVAC Rooftop Units				200,000
School Department	School Maintenance	PATHS - Masonry				200,000
School Department	School Maintenance	Lincoln - Fire Alarm Replacement				220,000
School Department	School Maintenance	Lincoln - Windows				250,000
School Department	School Maintenance	Lincoln - Floor and Locker Replacement				350,000
School Department	School Maintenance	Lincoln - Engineering/Roof Replacement				375,000
School Department	School HVAC	King - Boiler Replacement				400,000
School Department	School Maintenance	Riverton - Lighting/Ceiling Replacement				400,000
School Department	School Maintenance	King - Window Replacement				500,000
School Department	School Maintenance	Lincoln - Lighting/Ceiling Replacement				500,000
School Department	School HVAC	PATHS - Boiler Replacement				500,000
School Department	School Maintenance	District - Replace Double Hung Windows with Single				500,000
School Department	School Maintenance	Lyman Moore - Roof Replacement				525,000
School Department	School Maintenance	Ocean Ave - Add 4 Classrooms				1,250,000
School Department	School Maintenance	Riverton - Engineering/Roof Replacement				1,300,000
VEHICLE MAINTENANCE						
Vehicle Maintenance	Public Works	Rubbish Packer Replacement	265,000	265,000	265,000	265,000
Vehicle Maintenance	Public Works	Sidewalk Tractors Replacement (2)	280,000	280,000	280,000	280,000
Vehicle Maintenance	Recreation and Facilities	Pulp Loader Replacement - Forestry 5097	190,000			
Vehicle Maintenance	Public Works	GPS Locating for Winter Vehicles/Equipment	13,000	13,000	13,000	13,000
Vehicle Maintenance	Public Works	Compact Wheeled Excavator - DPW Districting	125,000			
Vehicle Maintenance	Police Department	Criminal Investigation Division Vehicles Replacement - P	68,000	68,000	68,000	68,000
Vehicle Maintenance	Public Works	1 Ton Dump Truck Replacement - Districting 3101	70,000			
Vehicle Maintenance	Public Works	Compact Pickup Replacement - Solid Waste Code 2002	27,000			
Vehicle Maintenance	Recreation and Facilities	Mower Hill Climber 10' Replacement - Parks 7158	60,000			
Vehicle Maintenance	Public Works	Skidsteer Replacement - Winter 5106	45,000			
Vehicle Maintenance	Recreation and Facilities	3/4 Ton Pickup Replacement - Parks 2203	38,000			
Vehicle Maintenance	Recreation and Facilities	1 Ton Dump Truck Replacement - Parks 3120	52,000			
Vehicle Maintenance	Recreation and Facilities	Rotary Trim Mower Replacement - Golf Course	45,000			
Vehicle Maintenance	Public Works	Emergency Vehicle Replacement	197,000			
Vehicle Maintenance	Planning & Urban Developm	Electric Car - Inspections	12,000			
Vehicle Maintenance	Planning & Urban Developm	Electric Car - Inspections	12,000			
Vehicle Maintenance	Planning & Urban Developm	Electric Car - Assessors / Planning	12,000			
Vehicle Maintenance	Public Works	1/2 Pickup Replacement - Street Openings 2018	25,000			
Vehicle Maintenance	Recreation and Facilities	Mower 11' Replacement - Parks 7162	60,000			
Vehicle Maintenance	Police Department	Special Reaction Team Vehicle Replacement - Police	36,000			
Vehicle Maintenance	Police Department	Replace Police Admin Vehicles	70,000			
Vehicle Maintenance	Police Department	Animal Control Officer Van Replacement - Police	27,500			
Vehicle Maintenance	Public Works	Pot Hole Patcher Replacement - Districting 5103	40,000			
Vehicle Maintenance	Recreation and Facilities	Mower 16' Replacement - Parks 7156	95,000			
Vehicle Maintenance	Recreation and Facilities	1 Ton Dump Truck Replacement - Forestry 3103	60,000			
Vehicle Maintenance	Public Works	1 Ton Dump Truck Replacement - Districting 3105	70,000			
Vehicle Maintenance	Public Works	1 Ton Dump Truck Replacement - Districting 3106	70,000			
Vehicle Maintenance	Public Works	TA Dump Truck Replacement - Districting 3096	205,000			
Vehicle Maintenance	Public Works	TA Dump Truck Replacement - Districting 3097	205,000			
Vehicle Maintenance	Public Works	Backhoe Replacement - Districting 5031	90,000			
Vehicle Maintenance	Recreation and Facilities	1 Ton Dump Replacement - Ballfields 3104	60,000			

Department	Division	ProjectTitle	2019	2020	2021	2022
Vehicle Maintenance	Recreation and Facilities	15-Passanger Van Replacement - Recreation 2194	60,000			
Vehicle Maintenance	Recreation and Facilities	3/4 Ton Pick-up Replacement - Ballfields 2141	38,000			
Vehicle Maintenance	Public Works	3/4 Ton Pickup Replacement - Districting 2129	35,000			
Vehicle Maintenance	Public Works	3/4 Ton Pickup Replacement - Districting 2130	35,000			
Vehicle Maintenance	Public Works	Rolloff Truck Replacement - Peaks 4037	150,000			
Vehicle Maintenance	Public Works	Snow Blower Replacement - Winter 7116	125,000			
Vehicle Maintenance	Sewer Fund	TV Truck Replacement - Sewer 2516	250,000			
Vehicle Maintenance	Public Works	1 Ton Wrecker Replacement - Fleet 2501	115,000			
Vehicle Maintenance	Barron Center	3/4 Ton Pickup Replacement - Barron Center 3915	35,000			
Vehicle Maintenance	Recreation and Facilities	1/2 Ton Pickup Replacement - Trades 2005	25,000			
Vehicle Maintenance	Recreation and Facilities	3/4 Ton Utility Van Replacement - Trades 2006	30,000			
Vehicle Maintenance	Recreation and Facilities	1/2 Ton Pickup Replacement - Trades 2042		25,000		
Vehicle Maintenance	Fire Department	Squad 301 Heavy Rescue	1,000,000			

Department	Division	ProjectTitle	2019	2020	2021	2022
Vehicle Maintenance	Fire Department	Ladder 4 Replacement - Fire			1,500,000	
Vehicle Maintenance	Fire Department	Car 4 Replacement - Fire 0216	35,000			
Vehicle Maintenance	Fire Department	Car 1 Replacement - Fire 0224				50,000
Vehicle Maintenance	Fire Department	Car 7 Replacement - Fire	50,000			
Vehicle Maintenance	Fire Department	Staff Car Replacement - Fire	40,000			
Vehicle Maintenance	Parking / Garages	Parking Enforcement Vehicle Replacement - Parking 221	25,000			
Vehicle Maintenance	Public Works	Grader Replacement - Winter 5096	425,000			
Vehicle Maintenance	Public Works	Forklift Replacement - Fleet 6001	40,000			
Vehicle Maintenance	Public Works	Forklift Replacement - Fleet 6004	40,000			
Vehicle Maintenance	Public Works	Backhoe Replacement - Districting 5105		75,000		
Vehicle Maintenance	Public Works	Grader Replacement - Public Services 5109		425,000		
Vehicle Maintenance	Public Works	1 Ton Dump Truck Replacement - Islands 3100	60,000			
Vehicle Maintenance	Recreation and Facilities	1 Ton Dump Truck Replacement - Cemeteries 3119	60,000			
Vehicle Maintenance	Recreation and Facilities	1 Ton Dump Truck Replacement - Cemeteries 3121	60,000			
Vehicle Maintenance	Public Works	1 Ton Dump Truck Replacement - Districting 3118	70,000			
Vehicle Maintenance	Public Works	1 Ton Dump Truck Replacement - Districting 3117	70,000			
Vehicle Maintenance	Public Works	1 Ton Pickup Replacement - Peaks 2518	52,000			
Vehicle Maintenance	Public Works	SA Dump Truck Replacement - Winter 3113	165,000			
Vehicle Maintenance	Public Works	SA Dump Truck Replacement - Winter 3034	165,000			
Vehicle Maintenance	Public Works	SA Dump Truck Replacement - Winter 3109	165,000			
Vehicle Maintenance	Public Works	SA Dump Truck Replacement - Winter 3115	165,000			
Vehicle Maintenance	Public Works	SA Dump Truck Replacement - Winter 3111	165,000			
Vehicle Maintenance	Public Works	SA Dump Truck Replacement - Peaks 3114	165,000			
Vehicle Maintenance	Public Works	1 Ton Pickup Replacement - Districting 3002		52,000		
Vehicle Maintenance	Public Works	Dump Truck Replacement - Public Services 3201	185,000			
Vehicle Maintenance	Public Works	Dump Truck Replacement - Public Services 3202	185,000			
Vehicle Maintenance	Public Works	1 Ton Pickup Replacement - Peaks 3001		52,000		
Vehicle Maintenance	Public Works	SA Dump Truck Replacement - Districting - 3126	165,000			
Vehicle Maintenance	Sewer Fund	Catch Basin Cleaning Vehicle Replacement - Sewer 312	100,000			
Vehicle Maintenance	Public Works	Dump Truck Replacement - Winter 3130	165,000			
Vehicle Maintenance	Public Works	Dump Truck Replacement - Public Services 3131	165,000			
Vehicle Maintenance	Public Works	1 Ton Utility Truck Replacement - Traffic 2008	55,000			
Vehicle Maintenance	Recreation and Facilities	1/2 Ton Pickup Replacement - Cemeteries 2186	25,000			
Vehicle Maintenance	Public Works	Compact Pickup Replacement - Districting 2181	25,000			
Vehicle Maintenance	Public Works	Replace Peak's Backhoe 5115	95,000			
Vehicle Maintenance	Public Works	Compact Pickup Replacement - PDD 2180	27,000			
Vehicle Maintenance	Public Works	3/4 Ton Pickup Replacement - PDD 2204	38,000			
Vehicle Maintenance	Public Works	1 Ton Dump Truck Replacement - Districting 2502		52,000		
Vehicle Maintenance	Public Works	1/2 Ton Pickup Replacement - Engineering 2051	25,000			
Vehicle Maintenance	Recreation and Facilities	1 Ton Crew Cab Pickup Replacement - Forestry 2503	40,000			
Vehicle Maintenance	Public Works	Compact Pickup Replacement - PDD 2060	25,000			
Vehicle Maintenance	Public Works	3/4 Ton Truck Replacement - Construction 2000	35,000			
Vehicle Maintenance	Public Works	3/4 Ton Pickup Replacement - Construction 2001	35,000			
Vehicle Maintenance	Recreation and Facilities	1 Ton Rack Truck Replacement - Forestry 2509	40,000			
Vehicle Maintenance	Public Works	1 Ton Dump Truck Replacement - Peaks 2508	52,000			
Vehicle Maintenance	Public Works	3/4 Ton Pickup Replacement - Districting 2021	30,000			
Vehicle Maintenance	Public Works	3/4 Ton Pickup Replacement - Districting 2024	35,000			
Vehicle Maintenance	Public Works	1/2 Ton Pickup Replacement - Construction 2022	25,000			
Vehicle Maintenance	Public Works	1/2 Ton Pickup Replacement - Engineering 2015	25,000			
Vehicle Maintenance	Public Works	3/4 Ton Pickup - Peaks 2050	35,000			
Vehicle Maintenance	Recreation and Facilities	3/4 Ton Utility Truck Replacement - Playgrounds 2512	40,000			
Vehicle Maintenance	Public Works	Compact Pickup Replacement - Traffic 2030		25,000		
Vehicle Maintenance	Recreation and Facilities	3/4 Ton Crew Cab Pickup Replacement - Open Space 2514			38,000	
Vehicle Maintenance	Recreation and Facilities	Tractor Replacement - Ballfields 8008	12,000			
Vehicle Maintenance	Recreation and Facilities	Bucket Van Replacement - Trades 2218	55,000			
Vehicle Maintenance	Recreation and Facilities	Activity Bus Replacement - Recreation 2700		60,000		
Vehicle Maintenance	Recreation and Facilities	1 Ton Truck Replacement - Cemeteries 2522	52,000			
Vehicle Maintenance	Public Works	Loader DPS 5116	210,000			
Vehicle Maintenance	Recreation and Facilities	3/4 Ton Utility Van Replacement - Trades 2053	30,000			
Vehicle Maintenance	Recreation and Facilities	Mini Van Replacement - Trades 2047	25,000			
Vehicle Maintenance	Recreation and Facilities	Compact Pickup Replacement - Trades 2086	25,000			
Vehicle Maintenance	Recreation and Facilities	1 Ton Utility Van Replacement - Trades 2090	30,000			
Vehicle Maintenance	Recreation and Facilities	1 Ton Pickup Replacement - Trades 3024	60,000			
Vehicle Maintenance	Recreation and Facilities	3/4 Ton Utility Van Replacement - Trades 2217	30,000			
Vehicle Maintenance	Recreation and Facilities	1 Ton Rack Body Truck Replacement - Trades 2507	52,000			
Vehicle Maintenance	Recreation and Facilities	3/4 Ton Utility Van Replacement - Trades 2519	30,000			
Vehicle Maintenance	Recreation and Facilities	Skidsteer Replacement - Trades 5001	45,000			
Vehicle Maintenance	Recreation and Facilities	Wheel Loader Replacement - Trades 5006	210,000			
Vehicle Maintenance	Fire Department	Medcu Ambulance Replacement - Fire				
Vehicle Maintenance	Recreation and Facilities	3/4 Ton Utility Van Replacement - Trades 2045	30,000			
Vehicle Maintenance	Public Works	Fleet Tire Truck Replacement - Public Services 2007	40,000			

Department	Division	ProjectTitle	2019	2020	2021	2022
Vehicle Maintenance	Public Works	1 Ton Rack Truck Replacement - Districting 2505	50,000			
Vehicle Maintenance	Recreation and Facilities	Mowers (2) Replacement - Parks 7160, 7161	30,000			
Vehicle Maintenance	Recreation and Facilities	Mower Replacement - Parks 7180	60,000			
Vehicle Maintenance	Public Works	Fleet Service Truck Replacement - Public Services 2521		30,000		
Vehicle Maintenance	Recreation and Facilities	Skidsteer Replacement - PRF Cems 5114		45,000		
Vehicle Maintenance	Public Works	Replace Solid Waste Forklift 6018	40,000			
Vehicle Maintenance	Public Works	Skidsteer Replacement - Districting 5117	45,000			
Vehicle Maintenance	Public Works	Wheel Loader - Stock Yard - Public Services 5003		195,000		
Vehicle Maintenance	Recreation and Facilities	3/4 Ton Pickup Truck Replacement - Horticulture 2134	38,000			
Vehicle Maintenance	Public Works	Skidsteer Replacement - Districting 5119	45,000			
Vehicle Maintenance	Public Works	Mini Holder Replacement - PDD 8109	110,000			
Vehicle Maintenance	Public Works	Turf Tractor Replacement - Districting 7010	40,000			
Vehicle Maintenance	Recreation and Facilities	Mower Replacement - Parks 7026		95,000		
Vehicle Maintenance	Public Works	1/2 Ton Pickup - Public Services Street Openings 2062	25,000			
Vehicle Maintenance	Public Works	3/4 Ton Pickup Replacement - Districting 2131	35,000			
Vehicle Maintenance	Public Works	Dump Truck Replacement - Winter 3129	165,000			
Vehicle Maintenance	Public Works	Dump Truck Replacement - Winter 3203		205,000		
Vehicle Maintenance	Public Works	Skidsteer Replacement - PDD 5120	45,000			
Vehicle Maintenance	Recreation and Facilities	Turf Tractor Replacement - Cemeteries 7011	60,000			
Vehicle Maintenance	Parking / Garages	Parking Enforcement Truck Replacement - Parking 2023	27,000			
Vehicle Maintenance	Parking / Garages	Replace Parking Enforcement Truck 2167		25,000		
Vehicle Maintenance	Parking / Garages	Replace Parking Enforcement Vehicle 2168		25,000		
Vehicle Maintenance	Recreation and Facilities	4 WD Utility Tractor w/ Loader Backhoe Replacement - F	60,000			
Vehicle Maintenance	Recreation and Facilities	Mowers (3) Replacement - Golf	210,000			
Vehicle Maintenance	Public Works	Replace DPS Single Axle Plow 3135	165,000			
Vehicle Maintenance	Public Works	Replace SPS Single Axle Dump 3136	165,000			
Vehicle Maintenance	Public Works	Replace DPS Single Axle Dump 3134	165,000			
Vehicle Maintenance	Public Works	Replace DPS Single Axle Dump 3133		165,000		
Vehicle Maintenance	Recreation and Facilities	Replace 11' Mower DPS 7187		70,000		
Vehicle Maintenance	Public Works	Replace PDD .5 Ton Pickup 2029	30,000			
Vehicle Maintenance	Public Works	Replace JD Gator DPS 8007	15,000			
Vehicle Maintenance	Public Works	Replace PDD Toolcat 5005	65,000			
Vehicle Maintenance	Public Works	Replace Street Open Truck 2040	25,000			
Vehicle Maintenance	Public Works	Compact Pickup Street Open Truck 2098	27,000			
Vehicle Maintenance	Fire Department	Replace Engine 1				750,000
Vehicle Maintenance	Fire Department	Replace Ladder 6		1,300,000		
Vehicle Maintenance	Recreation and Facilities	Replace Senior Rec Bus 2702		55,000		
Vehicle Maintenance	Parking / Garages	Parking Garage Truck - 2041	30,000			
Vehicle Maintenance	Parking / Garages	Parking Enforcement Vehicle Replacement - 2160				25,000
Vehicle Maintenance	Parking / Garages	Parking Enforcement Truck Replacement -2161				25,000
Vehicle Maintenance	Parking / Garages	Parking Meter Van Replacement - 2171			25,000	
Vehicle Maintenance	Parking / Garages	Parking Enforcement Truck Replacement -2176			25,000	
Vehicle Maintenance	Fire Department	E311 Replacement	750,000			
Vehicle Maintenance	Police Department	Replace Evidence Tech Van - - Police	40,000			
Vehicle Maintenance	Recreation and Facilities	Replace 1 Ton Van 4905	30,000			
Vehicle Maintenance	Recreation and Facilities	Replace 1 Ton 4981 - PRF School Maint	60,000			
Vehicle Maintenance	Parking / Garages	Parking Division SUV - 1021		20,000		
Vehicle Maintenance	Public Works	Electric Car - DPW Staff / Pool	12,000			
Vehicle Maintenance	Public Works	Electric Car	15,000			
Vehicle Maintenance	Recreation and Facilities	Electric Car - Parks	15,000			
Vehicle Maintenance	Planning & Urban Developm	Electric Car - Assessors / Planning	15,000			
Vehicle Maintenance	Human Resources	Compact Pickup Replacement - HR Safety - 2016	27,000			
Vehicle Maintenance	Recreation and Facilities	Replace Van 2046 - PRF Trades	25,000			
Vehicle Maintenance	Recreation and Facilities	Replace Jeep -PRF-Trades - 1010			27,000	
Vehicle Maintenance	Recreation and Facilities	.5 Ton Pickup - PRF - Rangers - 2037	25,000			
Vehicle Maintenance	Recreation and Facilities	Utility Tractor w/ Attachments - PRF Cems - 7009	30,000			
Vehicle Maintenance	Recreation and Facilities	1 Ton Pickup - PRF Cems - 2525			50,000	
Vehicle Maintenance	Recreation and Facilities	1 Ton Flatbed - PRF Forestry - 3003		50,000		
Vehicle Maintenance	Recreation and Facilities	Chip Truck - PRF Forestry - 3004		50,000		
Vehicle Maintenance	Recreation and Facilities	3/4 Ton Pickup - PRF Open Space - 2202	38,000			
Vehicle Maintenance	Recreation and Facilities	1/2 Ton Pickup - PRF Open Space - 2020	25,000			
Vehicle Maintenance	Recreation and Facilities	3/4 Ton Pickup - PRF Open Space - 2128	38,000			
Vehicle Maintenance	Recreation and Facilities	11' Mower - PRF Open Space - 7187			60,000	
Vehicle Maintenance	Recreation and Facilities	3/4 Ton Pickup - PRF Ballfields - 2199	38,000			
Vehicle Maintenance	Recreation and Facilities	16' Mower - PRF Ballfields - 7025	100,000			
Vehicle Maintenance	Recreation and Facilities	Compact Pickup Club Cab - PRF Ballfields - 2099		35,000		
Vehicle Maintenance	Recreation and Facilities	Compact Pickup PRF Ballfields - 2097		25,000		
Vehicle Maintenance	Recreation and Facilities	1 Ton Pickup - PRF Ballfields - 2223				50,000
Vehicle Maintenance	Recreation and Facilities	Rec Bus - PRF 1st Tee - 2703	60,000			
Vehicle Maintenance	Public Works	Loader w/ Gear DPW 5121			205,000	
Vehicle Maintenance	Public Works	1/2 Ton Pickup DPW Solid Waste 2172				25,000

Department	Division	ProjectTitle	2019	2020	2021	2022
Vehicle Maintenance	Public Works	3/4 Ton Utility Truck DPW Traffice 2192	50,000			
Vehicle Maintenance	Public Works	3/4 Ton Utility Van DPW Traffic 2019	30,000			
Vehicle Maintenance	Public Works	1 Ton Utility Truck DPW Traffic 2500	60,000			
Vehicle Maintenance	Public Works	3/4 Ton Utility Van - DPW Engineering 2080	30,000			
Vehicle Maintenance	Public Works	3/4 Ton Utility Van DPW Engineering 2081	30,000			
Vehicle Maintenance	Public Works	Wheel Loader w/ Gear DPW Winter 5007				205,000
Vehicle Maintenance	Public Works	1 Ton Utility Truck DPW Fleet 2151	50,000			
Vehicle Maintenance	Public Works	3/4 Ton Utility Van - DPW Fleet 2212	30,000			
Vehicle Maintenance	Public Works	SUV - DPW Safety 1084		30,000		
Vehicle Maintenance	Public Works	Jeep - DPW Admin - 1006	30,000			
Vehicle Maintenance	Public Works	SUV DPW Admin 1005		30,000		
Vehicle Maintenance	Social Services	1/2 Ton Pickup w/ Plow Social Services 2031				30,000
Vehicle Maintenance	Social Services	SUV Social Services 1007		30,000		
Vehicle Maintenance	Sewer Fund	SUV DPW Water Resources 1014				27,000
Vehicle Maintenance	Sewer Fund	Toolcat DPW Water Resources 5015				70,000
Vehicle Maintenance	Sewer Fund	Prius DPW Water Resources 1018		30,000		
Vehicle Maintenance	Human Resources	Compact Pickup HR Safety	27,000			
Vehicle Maintenance	Police Department	Minivan - PD 0180	25,000			
Vehicle Maintenance	Police Department	1/2 Ton Pickup PD Property - 0022		25,000		
Vehicle Maintenance	Police Department	Peaks Patrol PD - 0049	40,000			
			46,526,049	33,434,473	23,224,550	29,661,570

Sewer / Stormwater Fund CIP - FY19 through FY22 Requests

Department	Division	ProjectTitle	2019	2020	2021	2022
Water Resources	Sewer	CSO - Close CSO #42	2,000,000			
Water Resources	Sewer	CSO - Mackworth Street and Ocean Avenue Sewer Separation Project	6,850,000			
Water Resources	Sewer	CSO - Dartmouth Street Sewer Separation Project	2,520,000			
Water Resources	Sewer	CMOM - Inflow and Infiltration Program	790,000	1,000,000	1,000,000	1,000,000
Water Resources	Sewer	CMOM - Sewer System Renewal	1,100,000	3,200,000	3,200,000	3,200,000
Water Resources	Sewer	CMOM - Pump Station Rehabilitation	670,000	670,000	670,000	670,000
Water Resources	Sewer	Engineering Services on Water Resource Projects	300,000	300,000	300,000	300,000
Water Resources	Sewer	Eastern Waterfront Sewer / Stormwater Extension & Outfall	850,000			
Water Resources	Sewer	Integrated Planning LTCP and Post Construction Monitoring Program	1,100,000	400,000		
Water Resources	Stormwater	Stormwater Infrastructure Improvements	200,000	200,000	200,000	200,000
Water Resources	Stormwater	Franklin Street Storm Drain	2,000,000	1,000,000	2,000,000	
Water Resources	Stormwater	Peaks Island Green Infrastructure				
Water Resources	Stormwater	Green Infrastructure	250,000	250,000	250,000	250,000
Water Resources	Sewer	Pavement Preservation Program - Utility costs	200,000	200,000	200,000	200,000
Water Resources	Sewer	MPI Paving Program - Utility costs	119,300	50,000	50,000	50,000
Water Resources	Stormwater	Gravel Wetland Stormwater Treatment System in the Capisic Brook Watershed	2,000,000			
Water Resources	Stormwater	Stormwater Retrofits on Riverside Street	185,000			
Water Resources	Stormwater	Canco Road Storm Drain			577,500	
Water Resources	Sewer	Ludlow St Rehabilitation - Utility costs	345,000			
Water Resources	Sewer	PACTS Washington Ave road & signals - ineligible Utility costs		153,000		
Water Resources	Sewer	Street Rehab Program - Utility costs	1,200,000	1,200,000	1,200,000	1,200,000
Water Resources	Sewer	Washington Ave Rehabilitation (Cumb - E Prom) - Utility costs	750,000			
Water Resources	Sewer	PACTS Paving - ineligible Utility costs	62,500	187,500		
Vehicle Maintenan	Sewer Fund	Street Sweepers Replacement	245,000	195,000	195,000	195,000
			23,736,800	9,005,500	9,842,500	7,265,000