

City of Portland

CAPITAL IMPROVEMENT PLAN

FY 2019 – FY 2023



August 2018

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<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 is a listing of all projects approved for new funding in FY19. The five-year CIP as currently outlined includes a list of ALL requested projects for FY20 – FY23 in an effort to balance public expectations and highlight the significant volume of needs throughout the City. 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 Officers Association (GFOA) best practices for multi-year capital planning and asset assessment, maintenance, and replacement.

This Capital Improvement Plan is designed to meet City of Portland Charter 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

Many parties contribute to the development of the CIP during a nearly 9-month process. City Departments develop, review and prioritize capital requests in the spring, summer and early fall. Each capital project request includes a project description, the basis for the request, 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.

A list of specific projects and their costs, a two through five-year plan of specific projects and their costs, along with discussion of the basis for the CIP was presented to the City Council Finance Committee for consideration in early 2018. 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 (for example, the FY19 CIP was approved in Spring 2018, the borrowing of the funds will occur in Spring 2019, and the first debt service payments will not be paid until the FY20 budget year). 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 is approximately \$313.7 Million.

General Obligation Bonds (City and Schools)	\$145,415,105
Pension Obligation Bonds	98,370,000
Fish Pier Enterprise Fund Bonds	86,482
Sewer Enterprise Fund Bonds	64,260,096
Stormwater Enterprise Fund Bonds	5,603,965
TOTAL	\$313,735,639

Goals of the FY2019 Capital Improvement Plan (including GREEN focus)

The FY2019 Capital Improvement Plan marked the second consecutive CIP with a significant change in the general borrowing policy for the capital improvement plan. Prior to 2017 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 FY18 CIP, 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 and funding demands left the City unable to keep up with its capital obligations. A borrowing size of \$10.5M was set as the initial target for the FY19 CIP, slightly lower than originally projected in FY17 in an attempt to offset future decreases in available funding (i.e. FY20 will also be \$10M instead of \$8M). An additional \$5M of “catch up” funding was again recommended, increasing the CIP target size to \$15.5M. The additional catch up funding was approved in recognition of the fact that the City has fallen behind on basic maintenance & replacement of core infrastructure. It is anticipated that the “catch up” approach may continue for a third and final year in FY20, subject to review & approval by the City Manager, Finance Committee, and City Council.

This year’s Capital Improvement Plan includes a detailed list of projects for FY19. **In years two through five (FY20 through FY23), the plan includes a complete listing of all specific project requests, including those requested for FY19 which could not be funded and had to be postponed until a future fiscal year due to limitation of funds.** The current list of 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.

The FY19 Capital Improvement Plan will achieve in excess of \$17.9M of capital projects. The plan will leverage the \$15.5M of new borrowing along with \$2M of fund balance, \$470k of reallocated bond proceeds, TIF funding, private donations, as well as State and local matching funds (PACTS, MDOT). Over the past several fiscal years City staff has worked hard to identify and obtain other sources of potential capital funding. 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 \$2.47M of general obligation debt and keeping significant debt service costs off the tax levy.

Source of Funds	Amount
New FY19 General Fund Borrowing	\$ 15,504,545
Surplus Fund Balance Appropriation	\$ 2,000,000
Reallocated Bond Proceeds	\$ 470,000
GRAND TOTAL GENERAL FUND	\$ 17,974,545

In addition to the \$15.5M of General Fund borrowing for FY19, the City Council also authorized \$16.1M of additional Sewer / Stormwater borrowing as part of the FY19 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

Green Focused CIP

In the current year CIP cycle the City Manager placed additional emphasis on green friendly and focused CIP projects. The General Fund CIP for FY19 includes many bike and pedestrian friendly projects including dedicated and protected bike lanes on Park Avenue, a neighborhood byway implementation off peninsula, and pedestrian and ADA improvements throughout the City. This also included improvements and repairs in many of the City's parks and open spaces as well as a focus on more energy efficient vehicles and equipment. Finally, the City Manager included projects related to the remediation of our Ocean Avenue Landfill, in direct support of the City's goal to launch a solar array on the site. These FY19 General Fund CIP included over \$2M of projects which will have direct and indirect green related benefits.

In addition to the General Fund green focused projects within the General Fund FY19 CIP, the Sewer / Stormwater CIP contains \$16M of projects. The City is working with the Department of Environmental Protection on many of these projects and they are anticipated to have positive impacts on the environment. Included in the Sewer / Stormwater FY19 CIP the City has multiple projects aimed at preventing and closing CSO's (combined sewer overflows) which will prevent micropollutants flowing into our waters. Complete details on each project can be found in Section B of this document.

It is worth noting that many other green focused projects have occurred outside of the CIP, including the City-wide conversion to LED lighting to reduce our energy consumption. The first phase of this project was completed in 2018 and resulted in a nearly \$1M per year reduction in electricity and maintenance charges from Central Maine Power (this savings was partially offset by approximately \$450k in debt service on the \$4M initial borrowing for the project). The City has also continued to focus on electric vs gas or diesel vehicles and replaced several vehicles within the City fleet and dozens of pieces of equipment that were formerly fossil fuel based.

It is anticipated that in line with the City Council, the City of Portland, and the State of Maine's continued green focus, the CIP will also continue to emphasize green friendly projects in future CIP years as Portland develops and implements a formal climate action plan.

Asset Inventory

The City provides a wide range of services to the community requiring a diverse range of capital assets. In summary 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

		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	Page No.							
Cliff Island	9	\$0	\$0	\$133,519	\$0	\$133,519	\$55,036	\$229,727
East End Community	17	\$0	\$0	\$53,571	\$0	\$53,571	\$7,059,349	\$8,052,379
Longfellow	25	\$0	\$6,378,111	\$0	\$0	\$6,378,111	\$2,628,980	\$2,365,473
Lyseth	43	\$3,188,500	\$7,593,746	\$58,093	\$0	\$10,840,339	\$1,789,681	\$2,469,917
Ocean Avenue	55	\$0	\$0	\$13,281	\$0	\$13,281	\$3,674,105	\$6,671,830
Peaks Island	61	\$0	\$2,011,217	\$23,916	\$0	\$2,035,133	\$685,244	\$775,595
Presumpscot	75	\$0	\$5,478,512	\$0	\$0	\$5,478,512	\$1,050,202	\$1,033,918
Reiche	87	\$198,668	\$14,090,541	\$0	\$0	\$14,289,209	\$4,356,036	\$2,431,142
Riverton	99	\$132,333	\$8,930,255	\$317,158	\$210,031	\$9,589,777	\$2,900,612	\$5,032,503
Elementary Schools Subtotal		\$3,519,501	\$44,482,382	\$599,538	\$210,031	\$48,811,452	\$24,199,245	\$29,062,484
Middle Schools								
King	123	\$136,912	\$10,973,498	\$25,625	\$0	\$11,136,035	\$4,030,117	\$2,456,825
Lincoln	133	\$0	\$10,555,989	\$0	\$0	\$10,555,989	\$4,558,534	\$4,556,994
Moore	155	\$0	\$10,917,590	\$4,675	\$0	\$10,922,265	\$4,900,754	\$4,904,587
Middle Schools Subtotal		\$136,912	\$32,447,077	\$30,300	\$0	\$32,614,289	\$13,489,405	\$11,918,406
High Schools								
Portland Arts & Technology (PATHS)	171	\$0	\$22,182,276	\$0	\$0	\$22,182,276	\$8,303,498	\$2,345,323
Deering	191	\$1,383,723	\$19,684,741	\$74,544	\$0	\$21,143,008	\$8,250,822	\$7,291,011
Portland	213	\$81,804	\$21,713,483	\$48,034	\$0	\$21,843,321	\$13,991,904	\$8,199,137
High Schools Subtotal		\$1,465,527	\$63,580,500	\$122,578	\$0	\$65,168,605	\$30,546,224	\$17,835,471
Other Buildings								
District Office / Bayside Learning	233	\$3,360,684	\$0	\$0	\$0	\$3,360,684	\$2,946,547	\$1,177,419
Central Kitchen	245	\$445,518	\$0	\$469,627	\$0	\$915,145	\$452,520	\$408,197
Subtotal		\$3,806,202	\$0	\$469,627	\$0	\$4,275,829	\$3,399,067	\$1,585,616
General District Items								
General District Items*	253	\$0	\$0	\$0	\$0	\$0	\$0	\$0
* Non-building specific items from PPS 5-yr CIP)								
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 named Buildings for our Future by the Portland Public Schools).

Challenge #1 – Pension Obligation Bond

One of the biggest challenges 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 FY19 budget of \$15.3M (the next debt service payment due on 6/1/19). 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 \$152M and will trigger an annual tax rate increase of almost \$0.14 due to the escalating debt service payments. See below for annual amount of debt service due and estimated cumulative impact to the tax rate by year.

Budget / Fiscal Year	Payment Date	Annual Debt Service Payment	Increase from Prior Year	Estimated Cumulative Impact to Tax Rate (based on FY19 Tax Rate of \$22.48)
FY19	6/1/19	\$ 15,394,904	\$ 871,410	+\$0.11
FY20	6/1/20	\$ 16,318,598	\$ 923,694	+\$0.23
FY21	6/1/21	\$ 17,297,714	\$ 979,116	+\$0.35
FY22	6/1/22	\$ 18,335,578	\$ 1,037,864	+\$0.49
FY23	6/1/23	\$ 19,435,712	\$ 1,100,134	+\$0.63
FY24	6/1/24	\$ 20,601,856	\$ 1,166,144	+\$0.78
FY25	6/1/25	\$ 21,837,966	\$ 1,236,110	+\$0.93
FY26	6/1/26	\$ 23,148,244	\$ 1,310,278	+\$1.10

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. The City has begun developing strategies to offset the final few years of pension obligation bond increases, likely to begin in 2022 in the final five years of the POB.

Challenge #2 – \$64M for 4 Locally Funded School Renovations (Opportunity for State Funding Lost)

The City of Portland has traditionally had success receiving funding via the State of Maine Department of Education for Major Capital School Construction. The program is currently funding all but \$1.4M of the City's \$29.7M replacement of the Amanda C. Rowe Elementary School (formerly known as Fred P. Hall Elementary School), has funded several other City schools in recent history, and until late 2017 was a likely source of funding for several of the City's future elementary school replacements (most notably Reiche and Longfellow Elementary Schools). During the current 2017-2018 Major Capital School Construction funding cycle the City of Portland submitted six applications for consideration (Reiche, Longfellow, Presumpscot and Lyseth Elementary Schools plus Portland High School and PATHS / CBHS).

State of Maine Major Capital Construction Funding for replacement of Reiche, Longfellow, Presumpscot and Lyseth is now no longer available in the current cycle due to the recently passed City-wide voter referendum to renovate these four schools using local funding only. These applications were removed from consideration by the State of Maine for the 2017-2018 rating cycle due to this referendum approval. Based on their 2010-2011 scores (superimposed into the 2017-2018 Final Priority List² for illustrative purposes), Longfellow, Reiche and Presumpscot could have been 3rd, 4th and 5th on the 2017-2018 list assuming no major change in scoring³. Under the assumption that Reiche and Longfellow would have been funded by the State, the November 2017 referendum passage results in an increased tax burden on City residents of approximately \$45M over the next 20-26 years. This significant burden on available City debt service during a time when capital needs for education as well as capital needs across the City are not being funded at fully recommended levels. State capital funding needs to be a more well integrated part of the solution for the City's overall capital plan going forward.

The City still has two remaining applications on the 2017-2018 Final priority list (highlighted in green below and based on actual scores). Portland High School is 15th and PATHS is 25th. Based on the number of schools which have been funded in previous cycles and the cost of the Portland High School renovation project City Finance staff estimates it is unlikely either of these projects will be funded in the current cycle.



2017 - 2018 Rating Cycle

Major Capital School Construction Program

Proposed Priority List

June 13, 2018

The Department of Education recommends the following list of School Facilities Priorities to the State Board of Education. This list is based on a rating of the overall needs of evaluated school facilities as defined in State Board of Education Chapter 61, Rules for Major Capital School Construction Projects.

Priority	School District	School Name	Total Points	2010-2011 Final Priority List Points
1	RSU 49/MSAD 49	Fairfield Primary School	137.69	NEW
2	RSU 54/MSAD 54	North Elementary School	124.60	NEW
	Portland Public Schools	Longfellow School	REMOVED FROM CONSIDERATION DUE TO PASSED REFERENDUM FOR LOCAL FUNDING	124.06
	Portland Public Schools	Howard C. Reiche Community School	REMOVED FROM CONSIDERATION DUE TO PASSED REFERENDUM FOR LOCAL FUNDING	123.39
	Portland Public Schools	Presumpscot School	REMOVED FROM CONSIDERATION DUE TO PASSED REFERENDUM FOR LOCAL FUNDING	117.5
3	RSU 10	Rumford Elementary School	115.19	NEW
4	Saco Public Schools	Young School	114.65	NEW
5	RSU 14	Windham Middle School	111.27	106.28
6	RSU 17/MSAD 17	Agnes Gray School	110.33	NEW
7	RSU 17/MSAD 17	Oxford Hills Middle School	109.73	121.64
8	RSU 53/MSAD 53	Manson Park School	108.73	104.08
9	Augusta Public Schools	Lillian Parks Hussey School	108.01	124.1
10	RSU 03/MSAD 03	Walker Memorial School	107.89	NEW
11	RSU 53/MSAD 53	Vickery School	107.79	112.57
12	RSU 23	Loranger Memorial School	106.71	NEW
13	Hancock Public Schools	Hancock Grammar School	106.08	122.27
14	RSU 23/MSAD 23	Houlton Elementary School	105.43	NEW
15	Portland Public Schools	Portland High School	105.24	NEW
16	RSU 03/MSAD 03	Morse Memorial School	105.05	NEW
	Portland Public Schools	Harrison Lyseth Elementary School	REMOVED FROM CONSIDERATION DUE TO PASSED REFERENDUM FOR LOCAL FUNDING	104.9
17	RSU 12	Palermo Consolidated School	102.98	NEW
18	Ellsworth Public Schools	Hancock County Technical Center	102.85	90.65
19	Dayton Public Schools	Dayton Consolidated School	101.90	NEW
20	RSU 22	Earl C McGraw School	101.13	NEW
21	RSU 79/MSAD 1	Presque Isle High School	98.97	NEW
22	RSU 01 - LKRSU	Fisher Mitchell School	98.73	89.49
23	RSU 54/MSAD 54	Bloomfield Elementary School	97.03	NEW
24	RSU 54/MSAD 54	Caanan Elementary School	96.64	NEW
25	Portland Public Schools	Portland Arts & Technology High School	96.31	NEW

² [2017-2018 Final Priority List can be found at the State of Maine Department of Education website here.](#)

³ According to the State of Maine Major Capital Construction Q&A, "repeat applications typically fall within similar scoring ranges on the new proposed priority list compared with their placement on the previous priority list." See link for complete Q&A.

In addition to the lost opportunity for State funding, the \$64M will have a significant impact on future school tax rate increases. Based on 2017 estimates, the \$64M of school renovations will result in an approximately 69 cent increase to the School side of the overall tax rate by FY24. This is an estimated 3.1% tax rate increase related to the renovations.

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

B. Capital Improvement Plan – General Fund and Sewer/Stormwater FY2019

The following is a complete list of the one (1) year plan of specific General Fund and Sewer / Stormwater Fund projects (FY19 approved CIP only) and their costs. On the pages following the list are the detailed Department by Department requests for each project. These are the original requests and final approved amounts per the list below may differ from the original request due to funding requests and overall priorities.

<u>FY19 CIP - General Fund</u>			<u>Exhibit A</u>
	Bonded Amount	Other Funding	
Transportation			
<i>PACTS/Match/Other Leveraged Funds</i>			
PACTS RTMS - Traffic Signals	\$ 270,000	\$ -	
MPI PACTS Paving - Allen Avenue (Yale-Pennell)	203,400	-	
PACTS Washington Avenue Road & Signals	150,000	-	
PACTS Collector Paving - Allen Avenue	106,250	-	
PACTS USM Roundabout	100,000	-	
	-	-	
<i>Traffic Signals / Lights</i>			
Traffic Signals Upgrade Program	480,000	20,000	
<i>Streets/Sidewalks</i>			
Woodford's Corner Project - Supplemental Funding	878,241	-	
Pavement Preservation Program	750,000	-	
CSO Compliance - SRF Ineligibles	600,000	-	
MPI DOT Paving - Washgtn Ave(Ocean - Allen)	550,000	-	
Street Rehabilitation Program	250,000	-	
Arterial Street Ped Crossings	100,000	-	
Andrew Square Rehabilitation	100,000	-	
Park Ave Protected Bike Lanes	100,000	-	
CPR Paving - Park Avenue	83,000	-	
CPR Paving - Valley St (entire)	72,400	-	
RR Quiet Zone Compliance Program	25,000	-	
Franklin Street Design Completion and Construction	-	50,000	
Sidewalk Rehabilitation/Accessibility	600,000	100,000	
<i>Other</i>			
Neighborhood Byway Network Implementation	100,000	-	
Congress Square Redesign	5,000	-	
Stroudwater Dam Repairs	60,000	-	

Ocean Avenue Landfill Remediation and Pre-Solar Array Work	540,000	-
Transportation Total	\$ 6,133,291	\$ 370,000
Facilities		
<i>Buildings/Garages</i>		
Barron Center - Generator Replacement	\$ 430,000	\$ -
Barron Center - Expansion of walk in cooler and freezer FY19	90,628	-
Fire Station Rehabilitation and Upgrades	100,000	-
Temple St Garage Cond. Appraisal Rrs Concrete & S/W 1	290,000	-
Continued Course Improvements at Riverside Golf Course	50,000	-
Sanitation office/ crew space	200,000	-
<i>Marine</i>		
On going pile/pier work at OG and P.O.T	150,000	-
Replace Ocean Gateway Plaza Sidewalk	100,000	-
Utility Upgrades	500,000	-
<i>School Facilities</i>		
Lincoln School ADA accessibility and secure entry vestibule	712,126	-
King School - Boiler Replacement	500,000	-
School District ADA compliance upgrades	338,198	-
Moore School - Fire Alarm System Replacement - Engineering and Installation	270,000	-
King School - Fire Alarm System Replacement - engineering and installation	270,000	-
DHS - Fire Sprinkler System Installation	255,130	1,000,000
PHS - Roof Replacement - Engineering	130,000	-
School Energy Management Control Upgrades	50,000	-
DHS Kitchen Remodel/Upgrade	50,000	-
Facilities Total	\$ 4,486,082	\$1,000,000
Parks, Fields, Trails		
<i>Parks, Fields, Trails</i>		
Memorial Field Artificial Turf Replacement	\$ 672,772	\$ -
Lincoln Park Fence	100,000	-
Dougherty Skate Park Expansion	50,000	-
Parks, Fields, Trails Total	\$ 822,772	\$ -
Equipment and Vehicles		
<i>Equipment</i>		
Barron Center - Replace Patient Call System Phase II	\$ 48,000	\$ -
Barron Center - Domestic Hot Water Heaters	46,400	-
Upgrade Network switches	150,000	-
Observatory Flagpole and Lightning Protection Replacement	45,000	-
109 Middle Street - Replace Boiler #2	40,000	-

Traffic Signal Upgrades with Paving Programs	400,000	100,000
District Phone System	335,000	-
Records Management System	-	600,000
Virtualization, Storage and Redundancy Upgrade	100,000	-
Phone System Upgrade	100,000	-
Police - Patrol Full Body Cameras	-	400,000
<i>Vehicles</i>		
School Bus Replacements	97,000	-
Trash and Recycling Trucks	770,000	-
Police Cruisers (7)) Replacement - Police	266,000	-
Grader Replacement - Winter 5096	225,000	-
Loader DPS 5116	210,000	-
TA Dump Truck Replacement - Districting 3096	210,000	-
SA Dump Truck Replacement - Peaks 3114	170,000	-
SA Dump Truck Replacement - Winter 3115	170,000	-
Wheel Loader Replacement - Trades 5006	135,000	-
1 Ton Dump Truck Replacement - Peaks 2508	70,000	-
1 Ton Dump Truck Replacement - Parks 3101	65,000	-
Replace Utility Truck - DPW Traffic 2515	62,000	-
Mower Hill Climber 10' Replacement - Parks 7158	60,000	-
3/4 Ton Pickup - PRF Ballfields - 2199	40,000	-
3/4 Ton Pickup - PRF Parks - 2202	40,000	-
3/4 Ton Pickup Replacement - Parks 2203	40,000	-
Car 7 & Service Truck 2 Replacement - Fire	40,000	-
3/4 Ton Pickup - PRF - Rangers - 2037	38,000	-
Compact Pickup DPW Engineers 2051	25,000	-
3/4 Ton Utility Van Replacement - Trades 2006	25,000	-
3/4 Ton Utility Van Replacement - Trades 2045	25,000	-
Compact Pickup Replacement - PRF Ballfields	15,000	-
Equipment and Vehicles Total	\$ 4,062,400	\$1,100,000
Sub-Total FY19 CIP (General Fund)	\$ 15,504,545	\$2,470,000
<u>FY19 CIP - Sewer Fund</u>		
Sewer / Stormwater		
Bedford Street Sewer Separation Project	\$ 8,500,000	\$ -
CMOM - Pump Station Rehabilitation	670,000	-
CMOM - Inflow and Infiltration Program	790,000	-
CMOM - Sewer System Renewal	1,100,000	-
CSO - Close CSO #42	100,000	-
Warren - Hicks to Hemingway Sewer Separation	400,000	-
Forest - Avalon to Warren Sewer Separation	250,000	-
Integrated Planning LTCP and Post Construction Monitoring Program	400,000	-

Brighton - Dorset to Lomond Sewer Separation	1,000,000	-
Thames St Stormwater Outfall	150,000	-
Thames St Sewer / Stormwater Extension	225,000	-
Pavement Preservation Program - Utility costs	200,000	-
MPI/CPR Paving Programs - Utility costs	127,050	-
Street Rehab Program - Utility costs	800,000	-
PACTS Paving - ineligible Utility costs	30,000	-
Pump Station at 109 District Road	120,000	-
Stormwater Retrofits on Riverside Street	185,000	-
Bell Street Sewer Replacement	350,000	-
Stormwater Infrastructure Improvements	272,000	-
Street Sweepers Replacement	270,000	-
Catch Basin Cleaning Vehicle Replacement - Sewer 3127	145,000	-
Service Truck - DPW Water Resources	60,000	-
Sewer / Stormwater Total (Sewer Fund)	\$ 16,144,050	\$ -
TOTAL CIP (General Fund & Sewer Fund)	\$ 31,648,595	\$2,470,000

Public Works

Division Traffic

Classification Stationary Equipment

Project Description

RTMS = Regional Transportation Management Systems

Fiber Connection on High St from York to Congress: \$50,000

Updates to State/York: \$30,000

Fiber/Communications for Auburn/Washington Signal Project: \$200,000

RTMS Match to PACTS: \$20,000

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 FY18 the City began on a project solely dedicated to updates on Auburn Street and Washington Avenue, solely funded with local money. This request would aid in supplying capital for the communications portion of the work.

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 Portland Area Comprehensive Transportation Study (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.

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 55 Portland 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.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$300,000			\$2,187,500	\$2,487,500

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		✓
2015	\$22,000	\$167,000	\$165,000		✓
2016	\$269,500	\$277,270	\$100,000		✓
2017	\$22,000	\$222,000	\$222,000		✓
2018	\$30,000	\$260,000	\$260,000		✓
2019		\$270,000			□
2020		\$250,000			□
2021		\$250,000			□

Project Title	ID	141740	
2022		\$250,000	<input type="checkbox"/>
2023		\$275,000	<input type="checkbox"/>
Total	\$365,500	\$2,299,270	\$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 184304
MPI PACTS Paving - Allen Avenue (Yale-Pennell)

Public Works

Division Engineering

Classification Streets/Sidewalks

Project Description

The project area is Allen Avenue between Yale Street and Pennell Ave.

Project Justification

This project is needed to improve the pavement condition on one of the City's arterial streets. The 50% leveraged project wil entail milling to remove the pavement surface and placing a 2-inch pavement overlay. The City's 50% Local Match consists of 5% of total project cost for ineligible City utility costs(Sewer) and 45% is a General Fund request. An additional \$50,000 is requested to cover staff, consultant support.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$35,000		\$394,400		\$429,400

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	\$226,000	\$203,400			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total	\$226,000	\$203,400			

Other Funding Source Description

PACTS MPI funds to achieve up to 50% leverage.

Operating Budget Impact

This project should reduce the need for City resources for street repairs over the next 10 years or more.

Public Works

Division Traffic

Classification Streets/Sidewalks

Project Description

The PACTS Executive Committee Approved the list of TIP candidates to be funded in June of 2016 for 2019 construction. On this list was the reconstruction of Washington Avenue from Cumberland Avenue to Congress Street, which includes new roadway, sidewalks, and traffic signals/lighting. Our Local Match is 25% (est. = \$380,900) and split into Preliminary Engineering in FY19 and Construction in FY20. An additional \$50,000 is requested for possible cost overruns. Separately requested Sewer Funds will supply City Utility ineligible costs; est. = \$153,000

The majority of the funding request is set for FY20, as the project will begin in CY 2019 at the earliest, and current MaineDOT discussion is that it may happen later than that.

Project Justification

Washington Avenue on the Portland Peninsula has a poor pavement condition, and has been identified as a reconstruction candidate. In addition, the sidewalks are relatively narrow, and ramps do not meet current ADA and City design standards. Furthermore, the signal equipment is aging, and at Congress and Washington, MaineDOT has identified critical issues with the condition of the equipment, including the structures.

This portion of Washington Avenue is also in an area experiencing economic growth and new development, and these improvements would help to further accomplish that end.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$150,000		\$1,555,500		\$1,705,500

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>
2019		\$150,000			<input type="checkbox"/>
2020	\$1,165,000	\$390,500			<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total	\$1,165,000	\$540,500			

Other Funding Source Description

PACTS award of \$1,021,240 is originally estimated 75% of total project cost. Local Match is \$340,414; requesting additional \$50,000 for overruns, contract modifications, and staff charges. In early to mid-2018, the PDR will supply updated engineered estimates. FY20 Water Resources request for ineligible City Utility costs estimated at \$154,000.

Operating Budget Impact

This project will significantly improve a portion of Washington Avenue, with 75% leveraged funds. This should reduce near to medium-term maintenance needs.

Public Works

Division Engineering

Classification Streets/Sidewalks

Project Description

The PACTS leveraged project area is Allen Avenue between Washington Ave. and Summit Street, and a segment of Washington Avenue between Allen and Chapman. City's Local Match is estimated at \$106,250 (3 Party Agreement). Construction is expected in 2018.

Project Justification

This project is needed to improve and maintain the street pavement condition, and has been awarded to the City thru the PACTS TIP Program. Paving activity triggers adjustment and/or repair of sewer & stormwater structures. These ineligible costs are entirely borne by City. Water Resources companion request for 5% of project value above & beyond our Local Match. An additional \$25,000 is requested to cover all staff and consultant support.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$425,000		\$425,000

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	\$318,750	\$106,250			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total	\$318,750	\$106,250			

Other Funding Source Description

Federal and State Funds distributed by Maine DOT thru PACTS. Sewer Fund costs of 5% total project cost requested separately.

Operating Budget Impact

Minimizes maintenance (pothole repair) costs.

Project Title ID 194967

PACTS USM Roundabout

Public Works

Division Engineering

Classification Streets/Sidewalks

Project Description

Anticipated scope/cost increase beyond Local Match CIP funds authorized previously.

Project Justification

Design and ROW now underway; scope being re-evaluated.

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>
2019		\$100,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$100,000			

Other Funding Source Description

Operating Budget Impact

Public Works

Division Sewer

Classification Stationary Equipment

Project Description

The FY 2019 Request will be for the following:

New structures along State Street: \$200k per intersection for 3 intersections: \$675,000

\$600,000 in FY 2018 funding. Four signals likely to be replaced with FY18 and other CIP funding along State Street and Forest Avenue by High Street by Spring/Summer 2018.

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 Chestnut Street, 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 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 2018 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>
\$390,000			\$4,075,000	\$4,465,000

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		☑

Project Title	ID	141023		
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		\$675,000		<input type="checkbox"/>
2020		\$600,000		<input type="checkbox"/>
2021		\$600,000		<input type="checkbox"/>
2022		\$600,000		<input type="checkbox"/>
2023		\$600,000		<input type="checkbox"/>
Total	\$195,000	\$4,573,500	\$1,195,000	

Other Funding Source Description

Operating Budget Impact

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

Public Works

Division Engineering

Classification Streets/Sidewalks

Project Description

10-19-17: Additional funding needed to address costs associated with awarded bid to contractor.

Project Justification

Following the opening of the bids for this project in Summer of 2017, it was determined that the low bid from Shaw Brothers would require additional funding from all parties, including the City of Portland, to award and proceed with construction. The pending three-party agreement to be taken to City Council will increase the City's cost share from \$1,206,852.10 to \$2,085,093.02, or an increase of \$878,240.92.

The original cost agreement approved by the Council was \$640,477.10 in Spring of 2016.

A modified agreement was approved by the Council for \$1,206,852.10 in Winter of 2017 when it was determined street reconstruction associated with utility work would be required.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$358,590	\$460,000	\$2,994,825		\$3,813,415

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	\$2,935,174	\$878,241			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total	\$2,935,174	\$878,241			

Other Funding Source Description

Operating Budget Impact

This project will update signals, sidewalks, sewer, stormwater, and pavement, thus reducing maintenance needs for the foreseeable future.

Public Works

Division Engineering

Classification Streets/Sidewalks

Project Description

Preservation and rehab including 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 and results from that are being used to support the continued request for significant funding for improving and protecting our investment in infrastructure. All cost 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 maintain/upgrade ADA compliance, replacement/revisions to pavement markings and traffic signals (see separate Traffic signals request), 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/business regarding poor street condition.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$2,000,000		\$30,550,000		\$32,550,000

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"/>
2023		\$3,800,000			<input type="checkbox"/>
Total		\$42,800,000	\$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.

Project Title **ID** 141013

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.

Public Works

Division Engineering

Classification Streets/Sidewalks

Project Description

To fund portions of the City's 2019 Combined Sewer Overflow (CSO) projects that are not State Revolving Loan Funds (SRF) eligible. Example CY2018 projects include: Preble Street, Bedford Street, Mackworth Street and Ocean Avenue where sidewalks, curbing, and road rehabilitation (including full width paving) are typically necessary.

These projects will be expected to achieve additional improvements to infrastructure, and if SRF is used to fund the CSO objectives the City will be obligated to supply funding from CIP. These project objectives & CIP funding needs will continue to exist as long as SRF is used for the ongoing CSO Program.

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 ADA compliance and technical standards requirements. Limitations include 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 CSO project execution.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$12,300,000		\$12,300,000

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>
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		\$2,000,000			<input type="checkbox"/>
2020		\$2,000,000			<input type="checkbox"/>
2021		\$2,000,000			<input type="checkbox"/>
2022		\$2,000,000			<input type="checkbox"/>
2023		\$2,000,000			<input type="checkbox"/>
Total		\$13,500,000	\$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



Public Works

Division Engineering

Classification Streets/Sidewalks

Project Description

The project area is Washington Avenue between Ocean Avenue and Allen Avenue. The project will also implement Bike Network features.

Project Justification

This project is needed to improve the pavement condition on one of Portland's principal arterial streets. It will also be the driver for implementing the Bike Network outcomes for this portion of Washington Ave. This 50% leveraged project would entail milling to remove the pavement surface and placing a new 2-inch pavement overlay. The City's 50% Local Match consists of 5% of total project costs for ineligible City utility costs (Sewer) and 45% General Fund request. An additional \$50,000 is requested to cover all staff and consultant support.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$50,000		\$1,000,000		\$1,050,000

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	\$500,000	\$550,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total	\$500,000	\$550,000			

Other Funding Source Description

MaineDOT MPI funds to achieve up to 50% leverage.

Operating Budget Impact

This project will reduce the need to spend City resources on emergency street repairs over the next 10 or more years.

Public Works

Division Engineering

Classification Streets/Sidewalks

Project Description

This program would focus on streets that require more than just paving. Street 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 Street, 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 & 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		\$10,650,000		\$11,650,000

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		\$500,000	\$200,000		<input checked="" type="checkbox"/>
2019		\$250,000			<input type="checkbox"/>
2020		\$2,800,000			<input type="checkbox"/>
2021		\$2,800,000			<input type="checkbox"/>
2022		\$2,800,000			<input type="checkbox"/>
2023		\$2,800,000			<input type="checkbox"/>
Total		\$11,950,000	\$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 needed for "pothole" repairs and other such street repairs that typically have short service lives and relatively high unit cost.

Arterial Street Ped Crossings

Public Works

Division Engineering

Classification Streets/Sidewalks

Project Description

Pedestrian street crossing systems on India St, Forest Ave, Brighton Ave, & High St (at Deering = priority). NOTE - India St will be paved in 2019; this work must precede or be included in that MaineDOT CPR paving contract.

Project Justification

Creating and maintaining accessibility across public streets is a federal regulation (ADA), and the City is committed to ensuring safety for all users of the ROW. Program is necessary to meet current state or federal requirements & advances more than one policy of Council adopted plans (Complete Streets and Comp Plan.)

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$100,000		\$600,000		\$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>
2019		\$100,000			<input type="checkbox"/>
2020		\$125,000			<input type="checkbox"/>
2021		\$150,000			<input type="checkbox"/>
2022		\$150,000			<input type="checkbox"/>
2023		\$175,000			<input type="checkbox"/>
Total		\$700,000			

Other Funding Source Description

Operating Budget Impact

Dependent on design, may increase winter maintenance costs.

Project Title ID 194965

Andrew Square Rehabilitation

Public Works

Division

Classification Streets/Sidewalks

Project Description

Sidewalk improvements and Curb realignment

Project Justification

Pedestrian and vehicle safety improvements

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>
2019		\$100,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$100,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 194914

Park Ave Protected Bike Lanes

Public Works

Division Engineering

Classification Streets/Sidewalks

Project Description

10/19/17: Construct Bike Lanes on 2 segments of Park Ave.; between Saint John Street and Forest Avenue and Deering, and St John Street to Marston Street. Outcomes are dependent on Bayside Trail Extension Study recommendations due in early 2018.

Project Justification

By creating these 2 segments of Bike Lanes the Park Ave corridor will be complete and the complete the on-road Bikeway Network corridor from Bayside Trail to the Portland Transportation Center/Fore River Parkway Trail through Outer Congress will be connected. A short section of bikeway on Marston Street and Frederic Street will remain to complete a full connection and is included in a Planning Dept funding request.

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>
2019		\$100,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$100,000			

Other Funding Source Description

Operating Budget Impact

Additional annual costs for pavement markings will result.

Project Title ID 194910

CPR Paving - Park Avenue

Public Works

Division Engineering

Classification Streets/Sidewalks

Project Description

The project area is Park Avenue between Saint John Street and Congress Street. The requested funding is 95% of total cost. 5% of total cost is carried over in Water Resources.

Project Justification

MaineDOT will pave this street in 2018 under their Cyclical Pavement Resurfacing (CPR) Program, which limits their investment to \$135,000 per mile. The City must provide any additional funds necessary. The City benefits from leveraged investment to improve pavement conditions our Arterial Streets.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$1,400		\$116,700		\$118,100

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	\$35,100	\$83,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total	\$35,100	\$83,000			

Other Funding Source Description

MaineDOT's CPR paving program; limited to \$135,000 per mile.

Operating Budget Impact

Project Title ID 194939

CPR Paving - Valley St (entire)

Public Works

Division Engineering

Classification Streets/Sidewalks

Project Description

The project area is Valley Street between Saint John Street and Park Avenue. The requested funding is 95% of total cost. 5% of total cost is carried over in Water Resources.

Project Justification

MaineDOT will pave this street in 2018 under their Cyclical Pavement Resurfacing (CPR) Program, which limits their investment to \$135,000 per mile. City must provide any additional funds necessary. The City benefits from this leveraged investment to improve pavement conditions of one of our Arterial Streets.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$2,400		\$171,250		\$173,650

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	\$101,250	\$72,400			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total	\$101,250	\$72,400			

Other Funding Source Description

MaineDOT's CPR paving program; limited to \$135,000 per mile.

Operating Budget Impact

Public Works

Division Traffic

Classification Streets/Sidewalks

Project Description

Quad Gates at Brighton Avenue: \$1,000,000 (?)

10/17/17: Railroad Quiet Zones(RRQZ) are designatæed railroad locations or corridors that restrict trains from using their train horns as warnings as the train enters the RRQZ.

Pan Am Railroad Company operates in three (3) Portland RRQZs over a total of twenty (20) public highway/railroad at grade crossings in the City. 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:

RRQZ 1-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.

RRQZ 2- Portland WN & P II. The crossings in the Portland WN&P Quiet Zone are: Forest Avenue and Bishop Street.

RRQZ 3- 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.

The Federal Rail Authority (FRA) requires that RRQZ be in compliance with safety guidelinesand if not the municipality must implement Supplemental Safety Measurements (SSM) to laintain the RRQZ. Since funding for SSM's is not available through any State or Federal agency and there are no grant funds available, staff believes that it is prudent to budget 00,000 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 2012 extension of the Downeaster passenger train service between Portland and Brunswick with two (2) round trips per day going through the Portland corridor. For comparisons, 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 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, 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 inspections, known as Risk Reviews, 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 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 Measurements³⁸



Public Works

Division Engineering

Classification Streets/Sidewalks

Project Description

Franklin Street has been the focus of attention for some time, and in 2015, the Transportation Master Plan was completed, envisioning changes and modifications for the entirety of the roadway, from I-295 to Commercial Street.

The early design stages (horizontal and vertical alignment) are largely completed as of Fall 2017. Prior to any construction, full design will be required. Upon completion of full design, the City anticipates construction of outcomes as follows:

Phase 1: Transportation Improvements to Franklin from Somerset Street to I-295. Final Design in CY2018, and Construction in CY2019. (Total cost \$4.3 million)

Phase 2: Transportation Improvements to Franklin from Commercial Street to Middle Street. Final Design in CY2021, and Construction in CY2022. (Total cost \$2.6 million)

Phase 3: Transportation Improvements to Franklin from Middle Street to Somerset Street. The most costly of the proposed project components, this work will be designed and constructed in outyears beyond 2023. (Total cost \$6.2 million)

In addition, the addition of a significant stormwater pipe from Congress Street to Back Cove is part of the City's future CSO work. Staff recommend that these outcomes be coordinated, and a separate Sewer Fund CIP funding request for design and construction of this outcome has been made.

The proposed configuration changes to the Exit 7 ramps themselves will be completed by MaineDOT, likely in CY 2019.

Project Justification

This project will accomplish the following:

- 1.) Significant improvements to vehicular capacity from Somerset to I-295.
- 2.) A safer cross-section from Middle to Commercial.
- 3.) Safety and capacity improvements at Cumberland and Congress.
- 4.) Improved access at Oxford, Newbury and a full access at Federal.
- 5.) Expansion of historic Lincoln Park.
- 6.) Improved sidewalk and bicycle facilities.
- 7.) Updated signal equipment.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$500,000		\$8,300,000		\$8,800,000

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>
2019		\$250,000			<input type="checkbox"/>
2020	\$1,500,000	\$4,300,000			<input type="checkbox"/>
2021					<input type="checkbox"/>
2022		\$250,000			<input type="checkbox"/>
2023		\$2,500,000			<input type="checkbox"/>
Total	\$1,500,000	\$7,300,000			

Other Funding Source Description

Project Title **ID** 184138

MaineDOT will pay for the Exit 7 changes, shown as \$1,500,000 in this request.

Operating Budget Impact

This project would result in completely updated facilities, and reduce the amount of maintainance currently needed.



Public Works

Division Engineering

Classification Sidewalks

Project Description

Oct.31, 2017: This program includes high priority sidewalk infrastructure improvements, focused on areas with the heaviest pedestrian traffic and lack of ADA compliant facilities. Scope of projects may include brick, concrete and asphalt ramp and sidewalk reconstruction, reset or replacement of curb, driveway apron reconstruction to ensure continuous travel surface in both material and grade, and any additional work (pedestrian pole relocation, minor drainage improvements, etc...) to achieve these goals.

Project Justification

Oct 2017: Significant progress has been made in spending down all prior funds; over \$1M since 2016 which cleared out FY13-16. New funding is necessary to continue making progress in safety & accessibility of our pedestrian network.

This project is necessary for compliance with state and federal ADA requirements to maintain accessibility along sidewalks and across public streets. This project advances more than one Council adopted plan (Complete Streets Policy, Comprehensive Plan, Sidewalk Material Policy) and aims to fund a program that formerly achieved these goals thru the operating budget.

DPW maintains a database of requests for sidewalk construction and rehabilitation. As of October 2017, this list identified a current backlog of 30 High Priority projects that have an estimated completion cost of \$2.9 million. From 2015-2017, the Sidewalk Rehab Program constructed approximately \$1.03 million in sidewalk and ADA infrastructure improvements and contributed another \$1.1 million toward similar projects with multiple funding sources. The projects completed between 2015 and 2017 drew down lingering CIP sidewalk funds dating back to 2013.

Prior entry:

Maintaining accessibility along sidewalks and across public streets is a federal regulation (ADA). Project is necessary to meet current state or federal requirements; Project 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 FY '10, '13 & '14 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.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$700,000		\$6,750,000		\$7,450,000

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>
2013		\$700,000	\$700,000		✓
2014		\$700,000	\$700,000		✓
2015		\$850,000	\$700,000		✓
2016		\$700,000	\$500,000		✓

Project Title	ID	141030		
2017		\$600,000	\$500,000	<input checked="" type="checkbox"/>
2018		\$600,000	\$600,000	<input checked="" type="checkbox"/>
2019		\$750,000		<input type="checkbox"/>
2020		\$750,000		<input type="checkbox"/>
2021		\$750,000		<input type="checkbox"/>
2022		\$750,000		<input type="checkbox"/>
2023		\$750,000		<input type="checkbox"/>
Total		\$7,900,000	\$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.



Planning & Urban Development

Division Transportation

Classification Transportation

Project Description

Multi-year implementation of a 30-mile network of Neighborhood Byways to connect neighborhood centers, schools, parks, trails/pathways and transportation centers. Years 1-5 are to designed and construct approximately 3-5 miles per year. The first 5.5 miles were implemented in 2012 with another 2 miles to be constructed in 2019.

Project Justification

Neighborhood Byways are cost-effective means to create a network of local streets prioritized for safer walking and bicycling to connect all parts of the city. The Byway focus investments in pedestrian and bikeway crossings of arterial streets rather than diluting them based on individual citizen requests.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$50,000		\$530,000		\$580,000

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		\$100,000			<input type="checkbox"/>
2020		\$120,000			<input type="checkbox"/>
2021		\$120,000			<input type="checkbox"/>
2022		\$120,000			<input type="checkbox"/>
2023		\$120,000			<input type="checkbox"/>
Total		\$580,000			

Other Funding Source Description

Operating Budget Impact

Additional costs for maintenance/replacement of signs and pavement markings.



Planning & Urban Development

Division Planning

Classification Transportation

Project Description

This project includes completing the design work and construction of a redesigned intersection and public open spaces at High Street, Free Street, and Congress Street, called "Congress Square." The project objectives include improving traffic function and safety for all modes, improving the accessibility of the intersection crossings, sidewalks, and public open spaces, and placemaking by creating a more comfortable, functional, and attractive public space. The intersection design and construction also needs to be coordinated with the DPW signal upgrade project on Congress Street. The funding request includes design and park construction phases; the budgets are based on schematic level designs and estimates prepared by consultant WRT. The project has 3 construction phases - Phase A = roadway improvements (DPW FY20), Phase B = PMA plaza improvements (FY20), Phase C = Congress Square Park improvements (FY21)

Project Justification

This project will provide an improved sense of place at this intersection. It will improve the usability and aesthetics of Congress Square Park and the PMA plaza. It would provide economic development benefits by encouraging investment in this part of Congress Street. It would improve circulation, safety, and access at this key downtown location.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$250,000		\$3,000,000		\$3,250,000

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>
2019		\$250,000			<input type="checkbox"/>
2020		\$500,000			<input type="checkbox"/>
2021		\$2,500,000			<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$3,250,000			

Other Funding Source Description

PACTS, CDBG, and other grant and private funds would be sought for these improvements but cannot be guaranteed. Similarly, Downtown TIF funds might help pay for these improvements. MDOT has agreed to fund the PDR for the intersection redesign. A private fundraising effort for this project is proposed by the project partners.

Operating Budget Impact

The changes in the intersection will likely have an operating-budget neutral impact. There will be changes to the roadway configuration that will result in less pavement to plow/maintain. The plaza spaces are designed to require as minimal maintenance as possible with the suggestion that the City continue to enter into a MOU with Friends of Congress Square Park for programming and some maintenance.

Amendment to FY'19 CIP

Councilor Brian Batson

STROUDWATER DAM REPAIRS

Amendment

In 2012, the City commissioned a study of the Stroudwater Dam and determined that there were a number of items that needed to be dealt with immediately. Almost six years later, none of them have been completed. This amendment allocates \$50,000 in FY'19 to achieve the top priority items from the report and \$40,000 in FY'20 to achieve the second priority items.

Project Description

To shore up the Stroudwater Dam by doing the following "Top priority" items, in FY'19 and '20, as outlined in the "Existing Condition Evaluation" done for the City of Portland by Summit Geoengineering Services in 2012 (report attached). FY'19 priorities are:

- A. Reduce/eliminate the leakage through the face of the dam by sealing upstream face of the dam to seal all cracks.
- B. Repair the holes in the vertical face of the parapet on the right side of the gate and on the left hand sluiceway wall on the upstream side of the gate.
- C. Remove all vegetation between the rocks in the walls of the downstream face of structure.
- D. Install trash rack upstream of gate at the approximate location shown in 2012 Report (attached).
- E. Fill sink holes in the lawn area on the land side of LH training wall.

5 Year Cost Summary

Planning	Land	Construction	Equipment	Est Total Cost
\$15,000	\$0	\$75,000	\$0	\$90,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mngr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2019		\$50,000	\$60,000		
2020		<u>\$40,000</u>			
2021					
2022					
2023					
Total		\$90,000			

Other Funding Source Description N/A

Operating Budget Impact Based on 1 cent being added to the mill rate for every million dollars borrowed, this addition to the FY'19 CIP will add approximately 10 cents to the annual tax bill of an average home of \$240,000, if there is no offsetting decrease in borrowing.

Project Title **ID** 194897

Generator Replacement

Barron Center

Division Environmental Services

Classification Facilities

Project Description

350 kw Generator including addition of emergency outlets throughout both buildings.

Project Justification

The current generator has only a 180kW capacity. Our average kW demand is 200.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$430,000	\$430,000

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		\$430,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$430,000			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 184368

Expansion of walk in cooler and freezer FY19

Barron Center

Division Nutrition and Supply

Classification Facilities

Project Description

This includes excavation of the walls and installing new concrete pads in order to install a new walk in cooler and freezer.

Project Justification

Existing equipment is very old and breaks down frequently. Expansion would allow for more work space and cold storage.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$90,628	\$90,628

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		\$90,628			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$90,628			

Other Funding Source Description

Operating Budget Impact

Fire Department

Division Special Services

Classification Facilities

Project Description

Following up from FY18 station location and replacement study, an appraisal and assessment of our current stations will identify and prioritize stations which will need to be rehabbed or rebuilt.

Project Justification

The newest station in the city was built in the 1960's. With the average useful life of a fire station around 50 years, it is critical that an investment is made into the rehab and replacement of the current stations. Many are at the end of their useful life and are beyond rehabilitation.

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>
2019		\$250,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$250,000			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 163049

Temple St Garage Cond. Appraisal Rrs Concrete & S/W 1

Parking / Garages

Division Temple Street Garage

Classification Facilities

Project Description

Stairway 1 Replacement and Concrete repairs

Project Justification

Safety and recommendations from the Condition Appraisal report

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$290,000		\$290,000

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		\$290,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$290,000			

Other Funding Source Description

Operating Budget Impact

Parks, Rec & Public Assembly

Division Golf Course

Classification Facilities

Project Description

Various unexpected improvements when needed

Project Justification

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>
2019		\$50,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$50,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 194924

Sanitation office/ crew space

Public Buildings

Division Other Public Buildings

Classification Facilities

Project Description

Replace the dilapidated office trailer that staff call their office.

Project Justification

The current space for this department is not appropriate nor functional.

I propose a stick built structure to meet the needs of this department. ADA work space, bathrooms, shower/lockerrooms are all space the current facility does not provide.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$10,000		\$190,000		\$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>
2019		\$200,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$200,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 173579

On going pile/pier work at OG and P.O.T

Waterfront

Division Waterfront

Classification Marine

Project Description

Replace failing pile,bents,caps. Coat piles as needed

Project Justification

There's deterioration at the head of the pier that needs to be addressed. At some point in the past someone spliced piles,bents,caps together instead of replacing them. The splices have failed leaving a portion of the deck unsupported. These piles support truck/pedestrian access to the pier.

Funds need to be allocated for pile work on both wood and steel piles annually. We have over 9000 piles between our 3 major piers.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$1,295,000		\$1,295,000

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		\$170,000	\$170,000		<input checked="" type="checkbox"/>
2019		\$225,000			<input type="checkbox"/>
2020		\$225,000			<input type="checkbox"/>
2021		\$225,000			<input type="checkbox"/>
2022		\$225,000			<input type="checkbox"/>
2023		\$225,000			<input type="checkbox"/>
Total		\$1,295,000	\$170,000		

Other Funding Source Description

Operating Budget Impact

Closure of the pier would effect lease revenues and potential cruise passenger revenues.

Project Title ID 173602

Replace OG Plaza Sidewalk

Waterfront

Division Waterfront

Classification Marine

Project Description

Replace concrete palza area.

Project Justification

Plaza area is built over fill on the oceans edge. Years of movment is causing trip hazards, cracks, spauling, etc to the concrete.

This area sees well over 200k people annually. Placing caution tape around the trip hazards is not ideal.

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>
2019		\$100,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$100,000			

Other Funding Source Description

Operating Budget Impact

Utility Upgrades

Waterfront

Division Waterfront

Classification Facilities

Project Description

Relocate and size utilities

Project Justification

Reduce the size of the utilities from an industrial use to a commercial use. Separate Portland Ocean Terminal from Oceangate Way so the existing mechanical room can be removed. This would allow for access to the building for commercial use.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$50,000		\$450,000		\$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>
2019		\$500,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$500,000			

Other Funding Source Description

Operating Budget Impact

Would be able to generate revenue from the 30K sq ft unused space on the 2nd fl.

Project Title ID 194983
Lincoln ADA accessibility and secure entry vestibule

School Department

Division School Maintenance

Classification Facilities

Project Description

Install new granite steps and ADA compliant ramp and railings along with relocating the office to the front of the building and creating a secure entrance vestibule at the top of the stairs/ramp.

Project Justification

The current main entrance into Lincoln Middle School from Stevens Avenue is up a flight of irregular height (9" high) granite steps with the office across the hall from the main entrance with limited visibility of anyone entering or exiting the facility except when they request to be buzzed in and are seen on the camera.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$71,200		\$640,926		\$712,126

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		\$712,126			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$712,126			

Other Funding Source Description

Operating Budget Impact

Project Title ID 184355

King - Boiler Replacement

School Department

Division School HVAC

Classification Facilities

Project Description

Replace two steam boilers nearing the end of their useful life with two hot water gas condensing boilers as well as replace piping and other accessories as required.

Project Justification

The interior sheet and tubes have failed on boiler #2 and it is offline (tagged out). Boiler # 1 is in fair condition, but City HVAC remains confident that we will make it through this heating season. However, as of today, there is no redundancy for heat at King.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$50,000		\$450,000		\$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>
2019		\$500,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$500,000			

Other Funding Source Description

Operating Budget Impact

District ADA compliance upgrades

School Department

Division School Maintenance

Classification Facilities

Project Description

Our recent Facilities Assessment highlighted a number of ADA compliance issues across the district including building access, door hardware and sinks

Project Justification

This project would permit us to get a start on addressing these issues at schools that are not currently scheduled for major renovations

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$338,198		\$338,198

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		\$338,198			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$338,198			

Other Funding Source Description

Operating Budget Impact

Project Title ID 173448

Moore - Fire Alarm System Replacement - Engineering and Installation

School Department

Division School Maintenance

Classification Facilities

Project Description

Replace antiquated system with fully addressable system

Project Justification

1980's vintage conventional zoned FCI control panel system does not comply with current code. Occupant notification has been updated to comply with ADA requirements in only 1/3 of the building.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$20,000		\$250,000		\$270,000

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		\$270,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$270,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 173552

King - Fire Alarm System Replacement - engineering and installation

School Department

Division School Maintenance

Classification Facilities

Project Description

Update fire alarm system to be fully addressable

Project Justification

The fire alarm control panel is a Simplex 4002 series conventional zoned system. Occupant notification is not compliant with current code or ADA except in health station.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$20,000		\$250,000		\$270,000

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		\$270,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$270,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 173422

DHS - Fire Sprinkler System Installation

School Department

Division School Maintenance

Classification Facilities

Project Description

Provide new underground water service, create new fire sprinkler (valve) room, run piping throughout both buildings (including attics and crawl spaces), integrate systems (wet and dry) with fire alarm system plus miscellaneous connections and repairs

Project Justification

Deering has limited, partial sprinkler protection in the 1982 addition only leaving about 185,000 SF of occupied space and about 60,000 SF of attic and crawl space unprotected.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$1,255,130		\$1,255,130

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	\$1,255,130				<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total	\$1,255,130				

Other Funding Source Description

Submitted Revolving Fund Application 9/21/16.

Operating Budget Impact

Project Title ID 141616

PHS - Roof Replacement

School Department

Division School Maintenance

Classification Facilities

Project Description

Replace existing rubber roof add city spec of R-30 insulation

Project Justification

Roof sections are 20 to 30 years old, installation is damaged due to water infiltration. Roofs have exceed their life span. Water damage to walls need to be repaired.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$1,730,000		\$1,730,000

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					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020		\$1,730,000			<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$1,730,000			

Other Funding Source Description

Submitted Revolving Fund Application 9/21/16.

Operating Budget Impact

Reduces utility costs.

Project Title ID 184112

Energy Management Control Upgrades

School Department

Division School HVAC

Classification Facilities

Project Description

Our controls contractor has been recommending an upgrade for over ten years. We were able to update the software this year and hope to start replacing servers and other devices in the coming year.

Project Justification

Antiquated building automation system is no longer supported by original vendor.

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>
2019		\$50,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$50,000			

Other Funding Source Description

Operating Budget Impact

Upgrading the system will allow us to better manage our utility infrastructure and, thus, reduce operating costs.

Project Title ID 184336

DHS Kitchen Remodel/Upgrade

School Department

Division School Maintenance

Classification Facilities

Project Description

\$50,000 for an architect and kitchen designer for site work and plans in FY19 and \$200,000 (possibly more) for the project in FY20.

Replace serving lines with refrigerated units. Move the steamer, ovens, tilt skillet and dishwasher in the back of the house, and salad bar units and service stations in the front of the house.

In order to update the equipment, significant electrical upgrades would be needed.

Project Justification

The last update was in the 1990's, since that time both health codes and school meal requirements have changed dramatically.

This will change the flow of the serving area to better utilize the space, and not have to move equipment daily to minimize the wear and tear that is currently on the units in the front of the house.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$50,000		\$200,000		\$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>
2019		\$50,000			<input type="checkbox"/>
2020		\$200,000			<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$250,000			

Other Funding Source Description

Operating Budget Impact



Parks, Rec & Public Assembly

Division Parks

Classification Parks, Fields, Trails

Project Description

Memorial Field is a synthetic turf field that was installed in 2007 and since has logged over 35,000 hours of use. The turf field is home to the Deering High School sports teams, nightly community rentals, several local colleges and many Portland Youth groups. The current turf was manufactured by FieldTurf and is a dura-spine product that did not hold up to specifications. The field is 10 years and needs replacing.

Project Justification

The turf has shed its fibers, countless seem issues and the middle of the field id mostly rubber reducing it playability and performance, however it is past its warranty of 8 years. The new Turf at Fitzpatrick Stadium is from GreenFields and has held up very well over its first 3 years. If approved we would look to use the same product at Memorial.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$672,772		\$672,772

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		\$672,772			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$672,772			

Other Funding Source Description

Operating Budget Impact

Lincoln Park Fence

Parks, Rec & Public Assembly

Division Parks

Classification Parks, Fields, Trails

Project Description

This Capital Improvement request is for supplemental funds to add to the \$300,000 already appropriated in FY18 CIP. Engineer is making significant progress in providing specifications for the project to go out to bid in Winter 201-2018, but the project is proving more complex than originally thought, involving significant site work to reset existing granite pillars. Requesting an additional \$100,000 in FY19. 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 connection 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 se-setting. Many of the granite footings supporting the fence posts need to be replaced and re-set 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>
		\$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>
2019		\$100,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$100,000			

Other Funding Source Description

Operating Budget Impact

Dougherty Skate Park Expansion



Parks, Rec & Public Assembly

Division Parks

Classification Parks, Fields, Trails

Project Description

The Portland skatepark is due for an expansion due to its popularity and overuse. The Portland Skatepark at Dougherty Field was installed in 2008 using a mix of public and private financing. After the initial design and location were determined, the city provided roughly 50% of the funding for the project through Capital Improvement funds, while the local skate community raised funds for the remaining 50% of the project. The Parks Division is again working with the community to pursue a similar funding partnership for the upcoming skatepark expansion.

Soon after installation in 2008, the skatepark became very popular and now regularly has crowds of dozens of skaters, bikers, and scooters of all ages. We estimate that on an average day in spring, summer and fall, over 120 skaters, bikers and parents visit the skatepark, with many staying an hour or more. It is not uncommon for skaters to wait in line to drop into popular features, and the Parks Division regularly receives feedback from parents, skaters and others concerning the crowded conditions at the skatepark.

Project Justification

The Parks Division has been working with the skater community and a well renowned skatepark design firm, American Ramp Company, in designing the expansion to the skate park. We have held two public design meetings in May and June of 2017, attended by over 100 skaters, bikers and community members. During the public meetings, we have discussed general design concepts and gauged interest in forming a fundraising committee to assist with private fundraising. The new design would add 6,500 sq feet to the existing 8,350 sq feet for a new total of 14,850 sq feet. This would give Portland the largest skatepark in Maine (currently in Lewiston at 12,500 feet). The new design would add plaza skating areas, as well as learning progression areas for younger skaters.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$340,000		\$340,000

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	\$100,000	\$240,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total	\$100,000	\$240,000			

Other Funding Source Description

Operating Budget Impact

The total cost estimate is \$340,000. The city would contribute \$240,000 towards the project through CIP funds and our Skatepark committee made up of skaters, local business owners, parents and teachers would raise \$100,000 of private money towards the total project cost.

Project Title ID 173671

Replace Patient Call System Phase II

Barron Center

Division Nursing

Classification Equipment

Project Description

Replace Patient Call System.

Project Justification

Two call bell systems have been installed in FY18. This funding is to add the system in one additional unit.

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 collects 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>
			\$164,000	\$164,000

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			<input checked="" type="checkbox"/>
2019		\$48,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$164,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 194898

Domestic Hot Water Heaters

Barron Center

Division Environmental Services

Classification Equipment

Project Description

Provide and install the following:

Two commercial condensing, modulating gas boilers

New circulating pumps for the boilers

CPVC flue piping for the boilers

Gas piping for the boilers

Isolation and switch over valves for summer-winter operations

Power wiring for the new boilers and pumps

Controls for boiler sequencing and operations

Project Justification

The existing piping/pump arrangement cannot be modified to provide high temperature water for domestic water heating and lower temp water for building heating. The addition of new boilers will allow the 10 horse power pumps to be shut off through late spring and early fall. New boilers would heat the domestic water much more efficiently.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$46,400	\$46,400

Funding Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2019		\$46,400			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$46,400			

Other Funding Source Description

Operating Budget Impact

There would be an energy savings as well as potential rebates from Unitil.

Project Title ID 195017

Upgrade Network switches

Information Technology

Division

Classification Equipment

Project Description

Bring the City's network capability up to today's network needs - Wireless, phones, IOT

Project Justification

With increasing demands on the City's network the aged switches (installed 2006) no longer allow for the 'Latest - Greatest' technology to be deployed in an efficient manner.

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>
2019		\$150,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$150,000			

Other Funding Source Description

Operating Budget Impact

\$150,000.00 estimated

Project Title ID 195008

Observatory Flagpole replacement

Public Buildings

Division Other Public Buildings

Classification Equipment

Project Description

Replace 3 wooden poles with fiberglass

Project Justification

Replace wooden poles that house the lighting strike system for the building. The poles have failed over time due mostly to the wire cable that runs through the center of the pole to protect the building from being struck by lightning, potentially causing a fire.

The proposed poles would be replaced with fiberglass to extend the life of both the poles and it's electrical/fire system

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>
2019		\$45,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>

Total \$45,000

Other Funding Source Description

Operating Budget Impact

Funding through CDBG or a fund raising campaign with the Landmarks could offset the request.

Project Title ID 194842

Replace burner #2

Public Buildings

Division Public Safety

Classification Equipment

Project Description

Replace oil burner with original equipment

Project Justification

Oil burner was installed with an aftermarket unit during the Ameresco Energy Conservation project. They failed 2 yrs later.

It has been determined the boilers need to have the original burner in place.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$80,000	\$80,000

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	\$40,000	\$40,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total	\$40,000	\$40,000			

Other Funding Source Description

Operating Budget Impact

Ameresco paid the city 40k of the 80k to replace this unit.

Public Works**Division** Traffic**Classification** Equipment**Project Description**

10/17/17 FY19: Signal Work along Washington Ave./Auburn St. At 8 Locations: \$800,000 in conjunction with 2 paving projects.

(supplements additional existing funding from FY15-F18 CIP requests)

Project Justification

This request will supplement smaller signal improvement requests especially FY 17 and FY 18 and will result in a completely updated Washington/Auburn St Signal Corridor.

The City and MaineDOT's paving programs expects to continue a robust period of street repair in coming funding cycles, using CIP requests, as well as anticipated locally-funded projects, and City-Administered paving projects (through the MaineDOT and PACTS MPI programs). However, in the past these type of corridor paving projects have often been saddled with various non-paving costs, like traffic signal features such as video detection, pavement loops, and pedestrian buttons (ADA requirement).

Beginning in FY17, the City sought to keep separate various types of funding for each "type" of corridor improvement. In this case, \$800,000 in FY 19 is being requested for traffic signal updates and improvements for a number of intersections along Auburn St./Washington Ave as significant paving is being completed along this corridors by two different paving projects (a City-lead MPI paving project of Washington Avenue and a DOT managed collector paving project of Allen Avenue that will include a portion of Washington Ave. up to Auburn Street by Northgate Plaza.)

This request separates the signal funds and finishes both components of the Washington Ave/ Auburn St. corridor project.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$160,000			\$1,650,000	\$1,810,000

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		\$800,000			<input type="checkbox"/>
2020		\$150,000			<input type="checkbox"/>
2021		\$150,000			<input type="checkbox"/>
2022		\$150,000			<input type="checkbox"/>
2023		\$200,000			<input type="checkbox"/>
Total		\$1,845,000	\$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 184311

District Phone System

School Department

Division Administration

Classification Equipment

Project Description

Current VOIP system with call manager is no longer supported by the vendor

Project Justification

The Portland Public Schools depends on VOIP for virtually all of its telephone communications

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>
2019		\$335,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$335,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 194934

Records Management System

Police Department

Division Operations Support Svces

Classification Equipment

Project Description

Replace existing records/field reporting system (equipment & software)

Project Justification

Overall more efficient reporting process for department, in conjunction with Crime Analysis reporting.

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>
2019		\$1,500,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$1,500,000			

Other Funding Source Description

Operating Budget Impact

\$0. CIP Only (May require operating budget commitments in future years: service contract/agreements/software upgrades)

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, 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, but 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 fifteen 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 improve energy efficiency, improve operational efficiency (ability to add servers and applications on the fly), increase the density of the virtual environment, increase "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>
			\$410,000	\$410,000

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		\$150,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$410,000	\$260,000		

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 14908

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, 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			<input checked="" type="checkbox"/>
2019		\$200,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$400,000			

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 184385

Patrol Full Body Cameras

Police Department

Division Uniformd Ops Group

Classification Full Body Cameras

Project Description

Portable/wearable full body camera system on Patrol Officers

Project Justification

Additional tool to ensure Police and Public safety and continued review of Standard Operating Procedures.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$400,000	\$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		\$400,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$400,000			

Other Funding Source Description

Operating Budget Impact

No impact-Capital Funding/Project only

Project Title ID 173556

School Bus Replacements

School Department

Division Transportation

Classification Vehicles

Project Description

Purchase two small, type A, 14 passenger buses

Project Justification

Scheduled replacements per Transportation ten year plan

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$737,065	\$737,065

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		\$97,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022		\$508,065			<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$737,065	\$132,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 194733

Trash and Recycling Trucks

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

Purchase replacement rubbish and recycling collection vehicles

Project Justification

9 rubbish packers are used for curbside recycling and trash collection on the mainland. 7 of the nine are now over 10 years old and not reliable. The City should purchase 3 packers each of the next two years and one every year going forward to increase reliability and decrease downtime. This request is for 2 automated and 1 rear load rubbish packers.

FY19 - 2 automated at \$300k each and 1 rear load at \$250k = \$850k

FY20 - 2 automated at \$300k each and 1 rear load at \$250k = \$850k

FY21 - 1 rear load at \$250k

FY22 - 1 rear load at \$250k

FY23 - 1 rear load at \$250k

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$2,450,000	\$2,450,000

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>
2019		\$850,000			<input type="checkbox"/>
2020		\$850,000			<input type="checkbox"/>
2021		\$250,000			<input type="checkbox"/>
2022		\$250,000			<input type="checkbox"/>
2023		\$250,000			<input type="checkbox"/>
Total		\$2,450,000			

Other Funding Source Description

Operating Budget Impact

Reduced maintenance costs

Project Title ID 141804

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>
			\$2,438,000	\$2,438,000

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"/>
2023		\$266,000			<input type="checkbox"/>
Total		\$2,660,000	\$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

Project Title **ID** 141174

Grader Replacement - Winter 5096

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

1996 road grader for plowing. This proposal is to purchase a late model used motor grader for winter operations.

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>
			\$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>
2019		\$225,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$225,000			

Other Funding Source Description

Operating Budget Impact

Cost of new replacement is \$400k and capital monies will be saved by purchasing late model used.

Project Title ID 163058

Loader DPS 5116

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

2001 Komatsu loader

Project Justification

scheduled replacment

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$210,000	\$210,000

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		\$210,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$210,000			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 14998
TA Dump Truck Replacement - Districting 3096

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

Tandem axle, 55,000 gvw 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 construction projects during the summer. A new unit will decrease down time and maintenance costs.

DPW is reconfiguring the plow fleet to include more single axle trucks and this tandem axle truck will be replaced with single

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$210,000	\$210,000

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		\$210,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$210,000			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 141199

SA Dump Truck Replacement - Peaks 3114

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

2000, 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>
			\$170,000	\$170,000

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		\$170,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$170,000			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 141197
SA Dump Truck Replacement - Winter 3115

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

2000, 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>
			\$170,000	\$170,000

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		\$170,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$170,000			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 141568

Wheel Loader Replacement - Trades 5006

Vehicle Maintenance

Division Recreation and Facilities

Classification Vehicles

Project Description

1998 wheel loader w/ plow

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>
			\$180,000	\$180,000

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		\$180,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$180,000			

Other Funding Source Description

Trade existing loader and purchase new on NJPA contract

Operating Budget Impact

Project Title **ID** 141244

1 Ton Dump Truck Replacement - Peaks 2508

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

2003 1 ton dump

Project Justification

scheduled replacement. Gas engine or add \$8000 for diesel

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>
2019		\$70,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$70,000			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 14990

1 Ton Dump Truck Replacement - Parks 3101

Vehicle Maintenance

Division Recreation and Facilities

Classification Vehicles

Project Description

1.5 ton, 4X4, regular cab dump truck with plow and sander

Project Justification

Current unit is a model year 1997 and is used by Districting for light duty winter plowing and 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>
			\$65,000	\$65,000

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		\$65,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$65,000			

Other Funding Source Description

Operating Budget Impact

Cost Estimate - based on dealer estimate for diesel engine chassis (\$30,000) plus dump body (\$8,000) plus plow (\$5,000) plus sander (\$6,000) plus lights and toolbox.

Project Title **ID** 194825

Replace Utility Truck - DPW Traffic 2515

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

1996 one ton utility truck

Project Justification

Increased reliability

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$62,000	\$62,000

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		\$62,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$62,000			

Other Funding Source Description

Operating Budget Impact

Decrease maintenance costs and downtime

Project Title **ID** 14963

Mower Hill Climber 10' Replacement - Parks 7158

Vehicle Maintenance

Division Recreation and Facilities

Classification Vehicles

Project Description

10' hill mower

Project Justification

Current unit is a model year 1999 and life to date maintenance costs total \$12,500. This unit is used by Districting for open space and hill mowing. The unit is aging and not reliable. 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>
			\$60,000	\$60,000

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		\$60,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$60,000			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 184270

3/4 Ton Pickup - PRF Ballfields - 2199

Vehicle Maintenance

Division Recreation and Facilities

Classification Vehicles

Project Description

2001 Ford F250

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>
			\$40,000	\$40,000

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		\$40,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$40,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 184266

3/4 Ton Pickup - PRF Parks - 2202

Vehicle Maintenance

Division Recreation and Facilities

Classification Vehicles

Project Description

2001 Ford F250

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>
			\$40,000	\$40,000

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		\$40,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$40,000			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 141233
3/4 Ton Pickup Replacement - Parks 2203

Vehicle Maintenance

Division Recreation and Facilities

Classification Vehicles

Project Description

2001 3/4 ton work 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>
			\$40,000	\$40,000

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		\$40,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$40,000			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 141114

Car 7 & Service Truck 2 Replacement - Fire

Vehicle Maintenance

Division Fire Department

Classification Vehicles

Project Description

Both Car7 and Service Truck 2 are in need of replacement. This request would combine these two vehicles into 1 and reduce fire fleet by 1. A 3/4 ton crew cab 4x4 shortbed pickup truck with liftgate is proposed.

Project Justification

Schedule replacement

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$40,000	\$40,000

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		\$40,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$40,000			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 184261

3/4 Ton Pickup - PRF - Rangers - 2037

Vehicle Maintenance

Division Recreation and Facilities

Classification Vehicles

Project Description

2004 Chevrolet 1500 replace with 3/4 ton with plow so it can help in winter ops

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>
			\$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>
2019		\$38,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$38,000			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 194887

Compact Pickup DPW Engineers 2051

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

2001 Chevrolet S10

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>
			\$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>
2019		\$25,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$25,000			

Other Funding Source Description

Operating Budget Impact

Reduced maintenance cost

Project Title **ID** 141549
3/4 Ton Utility Van Replacement - Trades 2006

Vehicle Maintenance

Division Recreation and Facilities

Classification Vehicles

Project Description

2001 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>
			\$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>
2019		\$25,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$25,000			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 152125
 3/4 Ton Utility Van Replacement - Trades 2045

Vehicle Maintenance

Division Recreation and Facilities

Classification Vehicles

Project Description

2000 Ford E150

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>
			\$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>
2021					<input type="checkbox"/>
2019		\$25,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$25,000			

Other Funding Source Description

Operating Budget Impact

Reduced maintenance costs

Project Title **ID** 194847
Compact Pickup Replacement - PRF Ballfields

Vehicle Maintenance

Division Recreation and Facilities

Classification Vehicles

Project Description

Compact 4x4 pickup 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>
			\$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>
2019		\$25,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$25,000			

Other Funding Source Description

Operating Budget Impact

Reduced maintenance costs and downtime

Project Title ID 184177

Bedford Street Sewer Separation Project

Water Resources

Division Sewer

Classification Wastewater

Project Description

The Bedford St Sewer Separation Project is a CSO Tier 3 project within the Back Cove Watershed. This project will install a new storm drain from Back Cove on Bedford Street to Brighton Ave. This will connect to a project done by DOT called the USM Roundabout which will have sewer separation and green infrastructure incorporated into it.

Project Justification

This project was identified in the Back Cove West Separation and Green Project Report. The project was ranked to be done in phase 1 and would separate 39.11 acres from the combined sewer system.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$8,500,000		\$8,500,000

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>
2019		\$8,500,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$8,500,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 152461

CMOM - Pump Station Rehabilitation

Water Resources

Division Sewer

Classification Stationary Equipment

Project Description

The following projects were recommended to be completed:

Curtis Pump Station Engineering

Riverton Replacement with Submersible Pump Station

Franklin Street Pump Station Improvements

Castine Replacement of Security Fence

SCADA 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"/>
2023					<input type="checkbox"/>
Total		\$5,802,000	\$3,120,000		

Other Funding Source Description

Operating Budget Impact

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 2017 and 2018 (July 2016-June 2019) is a short time to accomplish both phase I and II. Phase III will be a mitigation plan.

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"/>
2023					<input type="checkbox"/>
Total		\$4,800,000	\$1,010,000		

Other Funding Source Description

Operating Budget Impact

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.

Project Justification

The City of Portland has an aging sewer infrastructure with some sewer lines reaching over 100 years in age. While we have highly invested in upgrading and eliminating CSO's, funding in past several years has been limited to support a basic service level for sewer cleaning and repairs, less preventive and more emergency response to sewer line needs. 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 Agencies 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"/>
2023					<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 EPA. Based on our CSO Engineering Consultant recommendations, reoccurring sewer line replacement and upgrades could cost as much as \$3,000,000 per year.

Project Title ID 152384

CSO - Close CSO #42

Water Resources

Division Sewer

Classification Wastewater

Project Description

Do a detailed study of the Capisic sewer system and watershed to determine where and how storm water is entering into the sewer system and causing sewer overflows at CSO#42. Overflows at CSO #42 were supposed to be eliminated at the completion of Tier 2 but they are still occurring even after completing all of the projects outlined in Tier 2 and the CSO Master Plan. This study would involve hiring a consultant and also installing numerous flow meters within the system for the first year. Subsequent years will involve actual design and construction of action items determined by the study to fully close CSO #42.

Project Justification

The completion of Tier 2 separation projects within the Capisic Brook Watershed was supposed to close CSO#42. This action was not successful and more work needs to be done in order to obtain complete closure. The CSO Long Term Control Plan Tier 3 update did not propose any new projects or studies of Capisic Brook because it was thought that at the completion of Tier 2 CSO #42 would be closed. Since this CSO is still overflowing on rain events and we did not meet the goal of Tier 2 a new CIP request has been made in order to correct this and meet our long term control plan and consent decree. By still overflowing at CSO #42 we are not in compliance with our consent decree and DEP may take action due to this.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$175,000		\$500,000		\$675,000

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		\$75,000	\$75,000		<input checked="" type="checkbox"/>
2019		\$100,000			<input type="checkbox"/>
2020		\$500,000			<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$675,000	\$75,000		

Other Funding Source Description

Operating Budget Impact



Water Resources

Division Sewer

Classification Wastewater

Project Description

This request is for a sewer separation project in the area of Warren Avenue between Hicks Street and Hemingway Street. There is currently 4 existing storm drains currently connected to the combined sewer. The project will extend an existing stormwater main from Hicks to Hemingway.

Project Justification

Currently, stormwater is captured in the combined sewer which has led to combined sewer overflows at CSO 42.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$400,000		\$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		\$400,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$400,000			

Other Funding Source Description

Operating Budget Impact



Water Resources

Division Sewer

Classification Wastewater

Project Description

This request is for a sewer separation project in the area of Forest Avenue between Avalon Street and Warren Avenue. There is currently a separated stormwater pipe which collects runoff from 8 existing storm drains currently connected to the combined sewer. The project will install new stormwater pipe at a higher elevation so that this system can be connected to a existing storm drain instead of the combined sewer.

Project Justification

Currently, stormwater is captured in the combined sewer which has led to combined sewer overflows at CSO 42.

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>
2019		\$250,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$250,000			

Other Funding Source Description

Operating Budget Impact

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 and 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 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 1.1 Yr3 400

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		\$400,000			<input type="checkbox"/>
2020		\$1,100,000			<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$2,500,000	\$1,000,000		

Other Funding Source Description

Operating Budget Impact



Water Resources

Division Sewer

Classification Wastewater

Project Description

This project includes the sewer separation of Brighton Avenue from Lomond Street to Dorset street. The project will separate approximately 30 acres of watershed area currently tributary to CSO location #39. Along with separating area within Brighton Avenue, the project will also disconnect a large wooded wetland from the combined sewer and tie it into the new storm drain. The new storm drain will be routed down Rowe Avenue and a new outfall will be constructed down the Meriline paper street and discharge into inland wetland area which will eventually tie into a new storm drain outfall being constructed as part of the Rowe Avenue sewer separation project.

Project Justification

The goal of this project is to eliminate or significantly mitigate CSO activity at CSO # 39 which is a relief point along the City's Fore River Sewer interceptor system. CSO's from this location currently discharge into the Fore River tidal marsh system. The intent of this project aligns with the City's goal to reduce and eliminate CSO activity into it's water bodies.

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>
2019		\$1,000,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$1,000,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 184196

Thames St Stormwater Outfall

Water Resources

Division Stormwater

Classification Wastewater

Project Description

Discharge point for construction of approx. 600' of new storm drain to run from Fore street, down the proposed new Thames street extension road and outfall across the Amythest Lot Development Site into Portland Harbor/Casco Bay.

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		\$750,000		\$850,000

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		\$750,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$850,000	\$100,000		

Other Funding Source Description

Operating Budget Impact

Addition to Utility systems will require O&M funding in annual operating budget(s).

Project Title ID 184195

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 and ultimately Fore Street. This request is for inclusion of the necessary City Utility systems; ie extension of the sewer and storm drain systems.

Project Justification

This public street can not be extended without provision of necessary wastewater & drainage systems.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$50,000		\$250,000		\$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		\$75,000	\$75,000		<input checked="" type="checkbox"/>
2019		\$225,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$300,000	\$75,000		

Other Funding Source Description

Operating Budget Impact

Addition of several hundred linear feet of Utility systems will require O&M via annual budget funds.

Project Title ID 184370
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>
		\$1,200,000		\$1,200,000

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		\$200,000			<input type="checkbox"/>
2020		\$200,000			<input type="checkbox"/>
2021		\$200,000			<input type="checkbox"/>
2022		\$200,000			<input type="checkbox"/>
2023		\$200,000			<input type="checkbox"/>
Total		\$1,200,000	\$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.

Water Resources

Division Sewer

Classification Streets/Sidewalks

Project Description

Oct 18, 2017: MaineDOT has added a new paving program named "CPR". The depth of pavement added is minimal, yet utility covers may require adjustment or repair. Specific streets to receive CPR paving in 2018 include Park Avenue and Valley Street.

Prior Cycle Info:

Paving activity 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 was for PACTS awarded Allen Ave project; FY19 request is a combination of Allen & Washington Avenue goals. FY20 goals include Brighton Ave.

Project Justification

These costs are triggered each time the City is awarded leveraged paving funds by MaineDOT or PACTS. 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>
\$300,000		\$3,407,650		\$3,707,650

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	\$1,329,350	\$127,050			<input type="checkbox"/>
2020	\$500,000	\$25,000			<input type="checkbox"/>
2021	\$500,000	\$25,000			<input type="checkbox"/>
2022	\$500,000	\$25,000			<input type="checkbox"/>
2023	\$500,000	\$25,000			<input type="checkbox"/>
Total	\$3,466,850	\$240,800	\$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 = PACTS & MaineDOT awards include Washington Ave, Allen Ave, Park Ave., and Valley Street.

FY20-23 requests are tied to General Fund requests being made; adjustments are likely.

Operating Budget Impact

Minimizes annual budget costs and eliminates scheduling logistics.

Water Resources

Division Sewer

Classification Streets/Sidewalks

Project Description

General Fund requests contain 70% of total estimated costs for Street rehabilitation work; Sewer Fund request is for the remaining 30%. See General Fund item for full description & examples of candidate streets.

Project Justification

Each street the City rehabilitates requires City sewer and stormwater utility work ranging from simple adjustments to full upgrades. Contract experience shows that 30% of such project costs are attributed to sewer and/or stormwater. This is a companion request to a General Fund Program request.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$600,000		\$5,400,000		\$6,000,000

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>
2019		\$1,200,000			<input type="checkbox"/>
2020		\$1,200,000			<input type="checkbox"/>
2021		\$1,200,000			<input type="checkbox"/>
2022		\$1,200,000			<input type="checkbox"/>
2023		\$1,200,000			<input type="checkbox"/>
Total		\$6,000,000			

Other Funding Source Description

General Fund CIP companion request for 70% of total program estimates; Sewer Fund CIP = 30%.

Operating Budget Impact

Achieving upgrades during street rehab minimizes maintenance and future capital costs.

Project Title ID 184376

PACTS Paving - ineligible Utility costs

Water Resources

Division Sewer

Classification Streets/Sidewalks

Project Description

Paving activity triggers adjustment and/or repair of sewer & stormwater structures. These are ineligible costs and are entirely borne by the City. Sewer Fund companion request for 5% of total program value above & beyond our 25% Local Match obligations.

Each PACTS funding cycle will trigger these ineligible costs.

FY19 = Allen, Cumberland, Danforth, and Washington Ave awarded projects.

FY21 = Projected awards for 2020-2023 construction

Project Justification

City utility systems in these paving projects must also be addressed; those ineligible costs are estimated at 5% above & beyond total value & requested via Sewer Fund. 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>
		\$5,250,300		\$5,250,300

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	\$1,020,300	\$30,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021	\$3,000,000	\$150,000			<input type="checkbox"/>
2022					<input type="checkbox"/>
2023	\$1,000,000	\$50,000			<input type="checkbox"/>
Total	\$5,020,300	\$230,000			

Other Funding Source Description

FY19 = PACTS Collector Paving awards. FY21 = projected award amount for CY2020-2022. Separate General Fund requests exist for 95% of standard Local Match.

Operating Budget Impact

Minimizes annual budget costs and eliminates scheduling logistics.

Project Title ID 194904

Pump Station at 109 District Road

Water Resources

Division Sewer

Classification Wastewater

Project Description

Project Justification

Conversion of the existing 20,000 gallon septic storage tank to a pumping station.

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>
2019		\$120,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$120,000			

Other Funding Source Description

Operating Budget Impact

This project was part of the three phase upgrade proposal for the 109 District Road site. The existing tank would be retrofitted with a submersible sewage pump and and the necessary footage of 4" force main and 8" gravity main with appurtenant structures and fittings. This system would tie in to the city owned gravity sewer in Congress Street. The pump installation, control panel and emergency generator transfer switch would be installed by contractors. The force main and gravity system would be installed by Water Resources construction staff. The retrofitted system would serve the needs of both Water Resources and Solid Waste. Additionally, wash down and other runoff flow would be captured and conveyed as an improvement to our site oriented stormwater BMP's.

Water Resources

Division Stormwater

Classification Wastewater

Project Description

This project, recommended in the Watershed Management Plan, involves installation of 3 small gravel wetland retrofits in failing or poorly-performing detention basins on two private parcels on Riverside Street. This small (10 AC) commercial catchment is 72% impervious and these retrofits will provide high quality stormwater treatment for almost half of that area

Project Justification

Capisic Brook does not meet State water quality standards and has been designated as an Urban Impaired Stream. Citing the link between developed land (i.e.: impervious area) and water quality impairment, the State developed an Impervious Cover TMDL for Capisic Brook that sets targets for reducing the impacts of stormwater runoff from developed areas. Under the Clean Water Act the City is required to develop and implement a plan for mitigating the impacts of stormwater runoff and restoring water quality in the brook. The Capisic Brook Watershed Management Plan was approved by the Maine Department of Environmental Protection and adopted by the City in December of 2012. Construction of this project would implement one of several structural stormwater retrofits listed in the watershed management plan and help reduce the impact of polluted stormwater runoff on the brook.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$185,000		\$185,000

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		\$185,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$185,000			

Other Funding Source Description

Operating Budget Impact

A small amount of funding will be needed in the years leading up to this plan to address legal and planning issues associated with such a public-private partnership. However, this work will benefit future efforts of a similar nature.

Project Title ID 194905

Bell Street Sewer Replacement

Water Resources

Division Sewer

Classification Wastewater

Project Description

A section of sewer under Bell Street needs replacement due to inadequate soils which have led to the sewer to sag.

Project Justification

Since the pipe is sagging in multiple spots, it is prone to blockages. This sewer deficiency has led to a sanitary sewer overflow in the past. The pipe is over 20 foot deep and cannot be rehabilitated and requires full replacement.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$50,000		\$300,000		\$350,000

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		\$350,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$350,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 141794

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 right of way, where existing drainage systems are inadequate.

Project Justification

The project funds would address on going complaints about drainage system deficiencies within the City's storm drainage system and addresses neighborhood issues that the Department receives request 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>
		\$1,600,000		\$1,600,000

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"/>
2023		\$200,000			<input type="checkbox"/>
Total		\$1,600,000	\$600,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 141056

wr1 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>
			\$1,780,000	\$1,780,000

Funding Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</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		\$270,000			<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"/>
2023					<input type="checkbox"/>
Total		\$1,780,000	\$925,000		

Other Funding Source Description

Operating Budget Impact

Decreased maintenance costs

Project Title ID 141209

wr2 Catch Basin Cleaning Vehicle Replacement - Sewer 3127

Vehicle Maintenance

Division Sewer Fund

Classification Vehicles

Project Description

2001, 35000 gvw truck w/ stetco, plow

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>
			\$200,000	\$200,000

Funding Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2017		\$100,000			<input checked="" type="checkbox"/>
2019		\$100,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$200,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 194812

wr3 Service Truck - DPW Water Resources

Vehicle Maintenance

Division Sewer Fund

Classification Vehicle - New (Not Replacement)

Project Description

Construction service truck to support the second of two construction teams.

Project Justification

This truck would provide all of the necessary support equipment relative to our ROW clearing/maintenance operations and our MS4 oriented system repairs. There are a number of used serviceable units on the market that would more thn meet our needs.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$60,000		\$60,000

Funding Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2019		\$60,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
2022					<input type="checkbox"/>
2023					<input type="checkbox"/>
Total		\$60,000			

Other Funding Source Description

Operating Budget Impact

C. Capital Improvement Plan – General Fund FY2020 – FY2023

This section of the document contains a two through five year listing of specific projects and general categories. To ensure the magnitude of the City's capital needs are emphasized a listing of all project requests from City Departments have been included and contrasted with amounts of proposed spending and funding sources. Project requests will continue to significantly exceed available funding. FY20 will be a particularly difficult CIP year. It is anticipated that future funding sources will include both general obligation bonds, surplus fund balance and reallocated bond proceeds from completed CIP projects.

FY20 - FY23 - Years 2 Through 5 Capital Improvement Plan

Projects and Amounts Represent Department Requests Only - Recommended

Sources (and Amount) of Funding Included at Bottom of Spreadsheet

Classification	Department	Division	ProjectTitle	2020	2021	2022	2023
HEALTH AND HUMAN SERVICES							
Facilities	Barron Center	Environmental Se	Generator Replacement				
Facilities	Barron Center	Nutrition and Supl	Expansion of walk in cooler and freezer FY19				
Equipment	Barron Center	Nursing	Replace Patient Call System Phase II				
Equipment	Barron Center	Environmental Se	Domestic Hot Water Heaters				
Equipment	Barron Center	Environmental Se	Air Conditioning	115,482			
Facilities	Social Services	Oxford Street She	New Homeless Shelter	10,000,000			
FIRE DEPARTMENT							
Facilities	Fire Department	Special Services	Fire Station Rehabilitation and Upgrades		2,500,000		
Facilities	Fire Department	Special Services	Hood System Continuation	80,000			
Facilities	Fire Department	Special Services	Building Design	200,000			
INFORMATION TECHNOLOGY							
Information Technr	Information Technology		Virtualization, Storage and Redundancy Upgrade				
Equipment	Information Technology		Upgrade Network switches				
Information Technr	Information Technology		Phone System Upgrade				
Facilities	Information Technology		Engineering design study to create a City wide fiber optic utility	300,000			
Vehicles	Information Technology		Utility Van				
PARKING / GARAGES							
Facilities	Parking / Garages	Temple Street Ga	Temple St Garage Cond. Appraisal Rrs Concrete & S/W 1				
Facilities	Parking / Garages	Spring Street Gar	Spring St Garage Steel Beem repairs	325,000			
Facilities	Parking / Garages	Temple Street Ga	Temple St Garage Façade	500,000			
Stationary Equipm	Parking / Garages	Administration	Parking Meters Replacement	131,250	177,550	177,550	100,000
Facilities	Parking / Garages	Temple Street Ga	Temple St Parking Garage Cond. Appraisal Rprs Concrete & S/W 2	185,000			
Facilities	Parking / Garages	Spring Street Gar	Condition Appraisal repairs at Spring Street Garage				
Facilities	Parking / Garages	Elm Street Garag	Recaulking joints Elm St Garage		360,000		
Facilities	Parking / Garages	Temple Street Ga	Temple St Parking Garage Cond. Appraisal Repairs				
PARKS AND RECREATION							
Parks, Fields, Tra	Parks, Rec & Pub Parks		Memorial Field Artificial Turf Replacement				
Parks, Fields, Tra	Parks, Rec & Pub Parks		Dougherty Skate Park Expansion	190,000			
Parks, Fields, Tra	Parks, Rec & Pub Parks		Lincoln Park Fence				
Facilities	Parks, Rec & Pub	Golf Course	Continued Course Improvements at Riverside Golf Course				
Parks, Fields, Tra	Parks, Rec & Pub Parks		Portland Landing - Design and Permitting				
Parks, Fields, Tra	Parks, Rec & Pub Parks		Dougherty Field - Athletic Field Upgrades, Parking	350,000			
Parks, Fields, Tra	Parks, Rec & Pub Parks		Riverton Playground	250,000			
Parks, Fields, Tra	Parks, Rec & Pub Parks		Payson Softball Field - Replace Lights	250,000			
Parks, Fields, Tra	Parks, Rec & Pub Parks		Riverton Softball Drainage and Erosion Issues	65,000			
Parks, Fields, Tra	Parks, Rec & Pub Recreation		Replace Gym Floor at Riverton	200,000			
Parks, Fields, Tra	Parks, Rec & Pub Administration		Repair fence at Ocean Avenue Dog Park	28,000			
Equipment	Parks, Rec & Pub	Golf Course	Winter Grooming Machine	30,000			
Parks, Fields, Tra	Parks, Rec & Pub Parks		Deering High Field Upgrades	275,000			
Facilities	Parks, Rec & Pub Recreation		Ice Arena - Sidewalk replacement and addition parking spaces	87,200			

Parks, Fields, Tra Parks, Rec & Pub Parks	Deering Oaks Baseball Lights	350,000			
Parks, Fields, Tra Parks, Rec & Pub Parks	Deering Oaks Infield Upgrades	75,000			
Parks, Fields, Tra Parks, Rec & Pub Parks	Fitzpatrick Paving and ADA Improvements	235,000			
Parks, Fields, Tra Parks, Rec & Pub Parks	Fitzpatrick Stadium Entrance Upgrades		75,000		
Parks, Fields, Tra Parks, Rec & Pub Parks	Fox St Irrigation Replacement			50,000	
Parks, Fields, Tra Parks, Rec & Pub Parks	Memorial Field Scoreboard Drainage and Landscaping	60,000			
Parks, Fields, Tra Parks, Rec & Pub Parks	Riverton Softball Lighting Replacement			275,000	
Parks, Fields, Tra Parks, Rec & Pub Parks	Evergreen Driveway Drainage	620,580			
Parks, Fields, Tra Parks, Rec & Pub Parks	Evergreen Repaving Roads			250,000	
Parks, Fields, Tra Parks, Rec & Pub Parks	Nasons Corner Community Garden			25,000	
Parks, Fields, Tra Parks, Rec & Pub Parks	Payson Park Community Garden--Expansion	25,000			
Parks, Fields, Tra Parks, Rec & Pub Parks	Deering Oaks Tennis Court Lights--Replace		350,000		
Parks, Fields, Tra Parks, Rec & Pub Parks	Eastern Prom Tennis and Basketball Court Resurface			50,000	
Parks, Fields, Tra Parks, Rec & Pub Parks	Fox St Basketball Resurface		30,000		
Parks, Fields, Tra Parks, Rec & Pub Parks	Longfellow Basketball Drainage		275,000		
Parks, Fields, Tra Parks, Rec & Pub Parks	Longfellow Basketball Resurface			75,000	
Parks, Fields, Tra Parks, Rec & Pub Parks	Payson Tennis and Basketball Court Resurface		50,000		
Parks, Fields, Tra Parks, Rec & Pub Parks	Reiche Basketball Resurface		30,000		
Parks, Fields, Tra Parks, Rec & Pub Parks	Riverton Tennis Court Resurface	50,000			
Parks, Fields, Tra Parks, Rec & Pub Parks	Deering Oaks Ravine Rehab		475,000		
Parks, Fields, Tra Parks, Rec & Pub Parks	Deering Oaks Sidewalks and Curbing--Kings Cross Rd			450,000	
Parks, Fields, Tra Parks, Rec & Pub Parks	Deering Oaks Sidewalks--walking paths around pond			150,000	
Parks, Fields, Tra Parks, Rec & Pub Parks	Martins Point Access Improvements			150,000	
Parks, Fields, Tra Parks, Rec & Pub Parks	Payson Park Parking and Curbing Construction			250,000	
Parks, Fields, Tra Parks, Rec & Pub Parks	Picnic Pavillions			150,000	
Parks, Fields, Tra Parks, Rec & Pub Parks	Riverton Trolley Park Trails, Water Access		75,000		
Parks, Fields, Tra Parks, Rec & Pub Parks	Dougherty Playground	175,000			
Parks, Fields, Tra Parks, Rec & Pub Parks	Longfellow Playground		250,000		
Parks, Fields, Tra Parks, Rec & Pub Parks	Deering Oaks Ravine Wading Pool		250,000		
Parks, Fields, Tra Parks, Rec & Pub Parks	Stone Street Playground--Upgrade and Splashpad Erosion Issues	225,000			
Parks, Fields, Tra Parks, Rec & Pub Parks	Tate Tyng Playground			150,000	
Parks, Fields, Tra Parks, Rec & Pub Parks	Back Cove Guard Rail	100,000			
Parks, Fields, Tra Parks, Rec & Pub Parks	Sensory Trail		50,000		
Facilities Parks, Rec & Pub Ice Arena	Rubber Flooring	80,000			
Facilities Parks, Rec & Pub Golf Course	Cart Shed Upgrades	50,000			
Parks, Fields, Tra Parks, Rec & Pub Parks	Evergreen Columbarium: Phase II and III	52,000			
Parks, Fields, Tra Parks, Rec & Pub Parks	Harborview Park Community Garden		30,000		
Parks, Fields, Tra Parks, Rec & Pub Parks	Valley Street Basketball Reconstruction		65,000		
Parks, Fields, Tra Parks, Rec & Pub Parks	Lyseth Playground	250,000			
Parks, Fields, Tra Parks, Rec & Pub Parks	Payson B Softball Drainage and Irrigation		110,000		
Facilities Parks, Rec & Pub Golf Course	ADA Accessible Path at Riverside Golf Course	225,000			
Parks, Fields, Tra Parks, Rec & Pub Parks	Fort Gorges	209,000			
Equipment Parks, Rec & Pub School HVAC	King -Boiler Replacement	360,000			
Equipment Parks, Rec & Pub School HVAC	PATHS Boiler Replacement		510,000		
PLANNING AND URBAN DEVELOPMENT					
Transportation Planning & Urban Planning	Congress Square Redesign	250,000	500,000	2,500,000	
Transportation Planning & Urban Transportation	Neighborhood Byway Network Implementation	120,000	120,000	120,000	120,000
Transportation Planning & Urban Transportation	West Commercial Street Pathway - Phases II and III	305,000			
Transportation Planning & Urban Transportation	East Coast Greenway Baxter Blvd/Back Cove to Martins Point	100,000	75,000		
Transportation Planning & Urban Transportation	Parkside to Libbytown Pathway	300,000	300,000		
Streets/Sidewalks Planning & Urban Historic Preservat	Stairs and Improvements on Plum Street Alley	105,000			
POLICE DEPARTMENT					
Full Body Camera Police Departmen Uniformd Ops Grc Patrol Full Body Cameras					

Equipment	Police Department	Operations Support	Records Management System	900,000			
FACILITIES - PUBLIC BUILDINGS							
Facilities	Public Buildings	Other Public Buildings	Sanitation office/ crew space				
Equipment	Public Buildings	City Hall	Elevator				
Equipment	Public Buildings	City Hall	A/C Installation	200,000	200,000	200,000	
Equipment	Public Buildings	Public Safety	109 Middle Street - Replace Boiler #2				
Facilities	Public Buildings	Public Safety	Replace Concrete Steps/Railings at Main Entrance	100,000			
Equipment	Public Buildings	Hadlock Field	Hadlock Lighting Upgrades				
Facilities	Public Buildings	Hadlock Field	Skybox Structural Concrete/Steel Replacement	100,000	100,000		
Equipment	Public Buildings	Public Safety	HVAC Replacement Dispatch Area	75,000			
Facilities	Public Buildings	Exposition Building	Exterior Masonry North Wall	250,000	150,000		
Equipment	Public Buildings	Other Public Buildings	Observatory Flagpole and Lightning Protection Replacement				
Facilities	Public Buildings	Canco Rd	250 Canco Road Masonry Maintenance				
Facilities	Public Buildings	Exposition Building	Emergency Egress at Exposition Building	210,000			
Facilities	Public Buildings	City Hall	Clock Tower Mortar Repairs	250,000	250,000		
Sidewalks	Public Buildings	Exposition Building	Sidewalks at Exposition Building Entrance	160,000			
Facilities	Public Buildings	Other Public Buildings	Forest City Cemetery Masonry / Roof Repairs	200,000			
Facilities	Library	Library	Repair Main Level Concrete Floors	25,000			
Facilities	Library	Library	Repair Roof over Executive Director's Office	20,000			
Café relocation/	Public Buildings	City Hall	Café Relocation/Breakroom.	250,000			
Equipment	Public Buildings	City Hall	Mechanical Assist Mobile Storage for Planning	80,000			
Facilities	Public Buildings	City Hall	Archivist	200,000			
Facilities	Public Buildings	Other Public Buildings	North Course Clubhouse				
Facilities	Public Buildings	City Hall	Copper Roof Rehab/Replacement			1,000,000	1,000,000
Facilities	Public Buildings	City Hall	Passenger Elevator at City Hall				
Equipment	Public Buildings	City Hall	Portable 3 Phase Generator		100,000		
Facilities	Public Buildings	City Hall	Replace sewer main in tunnel		100,000		
Facilities	Public Buildings	City Hall	Roof Replacement Engineering			180,000	
Facilities	Public Buildings	Exposition Building	Roof Replacement Exposition Building	50,000	600,000		
Facilities	Public Buildings	Exposition Building	Concession Stand Renovation	250,000			
Facilities	Public Buildings	Exposition Building	Replace Arena Air Handlers		40,000		
Equipment	Public Buildings	Exposition Building	A/C Arena Area			200,000	
Facilities	Public Buildings	Hadlock Field	Hadlock Concourse Stair Stringers		100,000		
Facilities	Public Buildings	Hadlock Field	Structural Repairs/Door Frame replacement - Hadlock	190,000			
Facilities	Public Buildings	Hadlock Field	Roof Overlay	125,000			
Facilities	Public Buildings	Hadlock Field	Metal Siding Replacement		60,000		
Facilities	Public Buildings	Merrill Auditorium	Replace exterior doors and windows				300,000
Facilities	Public Buildings	Merrill Auditorium	Lobby/Concession Flooring		150,000		
Facilities	Public Buildings	Merrill Auditorium	Roof Replacement			500,000	
Facilities	Public Buildings	Merrill Auditorium	Stage Floor Replacement				80,000
Facilities	Public Buildings	Other Public Buildings	Deering Oaks Restroom Facility		300,000		
Facilities	Public Buildings	Other Public Buildings	90 Anderson St - Upgrades			250,000	
Facilities	Public Buildings	Other Public Buildings	90 Anderson St Upgrades		250,000		
Facilities	Public Buildings	Canco Rd	250 Canco Rd Roof Eng/Replacement	70,000		700,000	
Facilities	Public Buildings	Canco Rd	212 Canco Road Driveway Overlay	120,000			
Facilities	Public Buildings	Canco Rd	250 Canco Road Fleet Addition				
Facilities	Public Buildings	Canco Rd	250 Canco Road Salt Shed				
Facilities	Public Buildings	Other Public Buildings	Observatory - Painting and Other Maintenance	50,000			
Facilities	Public Buildings	Public Safety	Window Replacement	450,000			
Facilities	Public Buildings	Public Safety	Repoint/Waterproof Building Exterior				300,000
Facilities	Public Buildings	Public Safety	Brick Plaza Replacement		300,000		
Facilities	Public Buildings	Other Public Buildings	Mortar Repointing at 55 Portland St			150,000	
Facilities	Public Buildings	City Hall	Café relocation/Breakroom	75,000			
Facilities	Public Buildings	City Hall	Add Sprinkler System		300,000		

Facilities	Public Buildings	Public Safety	Master Plan				300,000
Facilities	Public Buildings	Exposition Building	Retaining Wall		90,000		
Equipment	Public Buildings		Generator	25,000			
Facilities	Public Buildings	Merrill Auditorium	Exterior Masonry Repairs		50,000		
Facilities	Public Buildings	Merrill Auditorium	Carpet Replacement				200,000
Facilities	Public Buildings	Other Public Buildings	Fort Allen Gazebo	25,000			
Equipment	Public Buildings	Canco Rd	Generator	250,000			
Equipment	Public Buildings	Merrill Auditorium	Heat Piping replacement	100,000			
FACILITIES - MARINE/WATERFRONT							
Facilities	Waterfront	Waterfront	Utility Upgrades				
Marine	Waterfront	Waterfront	On going pile/pier work at OG and P.O.T	225,000	225,000	225,000	225,000
Marine	Waterfront	Waterfront	Replace Ocean Gateway Plaza Sidewalk				
Marine	Waterfront	Waterfront	Compass Park Ongoing pile/pier work	100,000			
Facilities	Waterfront	Waterfront	Receiving Bldg Renovation	100,000			
Marine	Waterfront	Waterfront	POT - Pile engineering Survey	100,000			
Marine (i.e., piers)	Waterfront	Waterfront	Bollard/ Bit Replacement	100,000	100,000		100,000
Marine (i.e., piers)	Waterfront	Waterfront	Capstans at Portland Ocean Terminal				80,000
Marine	Waterfront	Waterfront	Mega Berth Terminal Structural Painting		100,000		
Marine	Waterfront	Waterfront	POT Rail Removal		100,000		100,000
Facilities	Waterfront	Waterfront	Pile Jackets -OG	225,000		225,000	
Marine	Waterfront	Waterfront	Waterfront Fender Systems	1,250,000			
Marine (i.e., piers)	Waterfront	Waterfront	Floats at Cushing, Maine State Pier, East End Beach, Peaks	100,000		100,000	
Streets/Sidewalks	Waterfront	Waterfront	Great Diamond Island Boardwalk	565,000			
Marine	Waterfront	Waterfront	Peaks Govt Dock	365,000			
PUBLIC WORKS							
Streets/Sidewalks	Public Works	Engineering	Woodford's Corner Project - Supplemental Funding				
Streets/Sidewalks	Public Works	Engineering	MPI DOT Paving - Washgtn Ave(Ocean - Allen)				
Streets/Sidewalks	Public Works	Engineering	MPI PACTS Paving - Allen Avenue (Yale-Pennell)				
Streets/Sidewalks	Public Works	Engineering	PACTS Collector Paving - Allen Avenue				
Streets/Sidewalks	Public Works	Traffic	PACTS Washington Avenue Road & Signals	390,500			
Streets/Sidewalks	Public Works	Engineering	CPR Paving - Park Avenue				
Streets/Sidewalks	Public Works	Engineering	CPR Paving - Valley St (entire)				
Marine	Public Works	Solid Waste	Ocean Avenue Landfill Remediation and Pre-Solar Array Work	250,000			
Streets/Sidewalks	Public Works	Engineering	Pavement Preservation Program	3,800,000	3,800,000	3,800,000	3,800,000
Sidewalks	Public Works	Engineering	Sidewalk Rehabilitation/Accessibility	750,000	750,000	750,000	750,000
Equipment	Public Works	Traffic	Traffic Signal Upgrades with Paving Programs	150,000	150,000	150,000	200,000
Streets/Sidewalks	Public Works	Engineering	Somerset Street Project	450,000			
Stationary Equipment	Public Works	Sewer	Traffic Signals Upgrade Program	600,000	600,000	600,000	600,000
Streets/Sidewalks	Public Works	Engineering	CSO Compliance - SRF Ineligibles	2,000,000	2,000,000	2,000,000	2,000,000
Streets/Sidewalks	Public Works	Engineering	Franklin Street Design Completion and Construction	4,300,000		250,000	2,500,000
Streets/Sidewalks	Public Works	Engineering	Marginal Way Upgrades	750,000			
Equipment	Public Works	Engineering	Engineering Archives	210,000	210,000		
Streets/Sidewalks	Public Works	Engineering	PACTS USM Roundabout				
Streets/Sidewalks	Public Works	Engineering	Street Rehabilitation Program	2,800,000	2,800,000	2,800,000	2,800,000
Stationary Equipment	Public Works	Traffic	PACTS RTMS - Traffic Signals	250,000	250,000	250,000	275,000
Transportation	Public Works	Engineering	Congress Square Intersection Construction	600,000			
Streets/Sidewalks	Public Works	Engineering	Arterial Street Ped Crossings	125,000	150,000	150,000	175,000
Facilities	Public Works	Island Services	Cliff Island Public Works Facility	50,000	300,000		
Streets/Sidewalks	Public Works		Andrew Square Rehabilitation				
Streets/Sidewalks	Public Works	Engineering	Park Ave Protected Bike Lanes				
Streets/Sidewalks	Public Works	Traffic	RR Quiet Zone Compliance Program	100,000	100,000	100,000	100,000
Streets/Sidewalks	Public Works	Engineering	MPI DOT Paving Stevens Avenue	275,000			
Streets/Sidewalks	Public Works	Engineering	Washington Avenue Rehabilitation (Cumberland to E. Prom)	200,000	2,200,000		

Streets/Sidewalks Public Works	Engineering	PACTS Collector Paving - Danforth Street	67,000			
Streets/Sidewalks Public Works	Engineering	PACTS Collector Paving - Cumberland Avenue	145,000			
Streets/Sidewalks Public Works	Engineering	PACTS Collector Paving - Washington Avenue	57,100			
Streets/Sidewalks Public Works	Engineering	PACTS TIP Paving (Multiple Locations) - 25% Local Match	750,000		750,000	
Streets/Sidewalks Public Works	Engineering	MPI & CPR Paving Programs	450,000	450,000	450,000	450,000
Streets/Sidewalks Public Works	Engineering	Thames Street Extension				
Streets/Sidewalks Public Works	Engineering	PACTS Local Match for Future Awards	500,000	500,000	500,000	500,000
Streets/Sidewalks Public Works	Engineering	Morrills Corner (State Route 302 and 100)	105,000			
Streets/Sidewalks Public Works	Engineering	Forest Avenue from Bedford Street to Arlington Street	105,000			

School Department

Facilities	School Department	School Maintenance DHS - Fire Sprinkler System Installation				
Facilities	School Department	School Maintenance Lincoln ADA accessibility and secure entry vestibule				
Facilities	School Department	School HVAC King - Boiler Replacement				
Facilities	School Department	School Maintenance District ADA compliance upgrades				
Equipment	School Department	Administration District Phone System				
Facilities	School Department	School Maintenance Moore - Fire Alarm System Replacement - Engineering and Installation				
Facilities	School Department	School Maintenance King - Fire Alarm System Replacement - engineering and installation				
Facilities	School Department	School Maintenance PHS - Roof Replacement - Engineering	1,730,000			
Vehicles	School Department	Transportation School Bus Replacements			508,065	
Facilities	School Department	School HVAC Energy Management Control Upgrades				
Facilities	School Department	School Maintenance DHS Kitchen Remodel/Upgrade	200,000			
Equipment	School Department	School HVAC DHS - Air Handling Units	100,000			
Facilities	School Department	School HVAC Riverton - A/C	50,000			
Facilities	School Department	School HVAC Lincoln - HVAC Rooftop Units		100,000		
Facilities	School Department	School HVAC DHS - A/C in Front Office		45,000		
Facilities	School Department	School HVAC District Office Boiler Replacement	310,000			
Facilities	School Department	School HVAC PHS - HVAC Rooftop Units		150,000		
Facilities	School Department	School HVAC King - HVAC Rooftop Units			100,000	
Facilities	School Department	School HVAC PATHS - HVAC Rooftop Units			100,000	
Facilities	School Department	School HVAC Lyman Moore - HVAC Rooftop Units			200,000	
Facilities	School Department	School HVAC PATHS Boiler Replacement				
				510,000		

FLEET MAINTENANCE

Vehicles	Vehicle Maintenance	Public Works Trash and Recycling Trucks	250,000	250,000	250,000	250,000
Vehicles	Vehicle Maintenance	Recreation and Fire 3/4 Ton Pickup - PRF Ballfields - 2199				
Vehicles	Vehicle Maintenance	Recreation and Fire 3/4 Ton Pickup - PRF Parks - 2202				
Vehicles	Vehicle Maintenance	Recreation and Fire 3/4 Ton Pickup Replacement - Parks 2203				
Vehicles	Vehicle Maintenance	Recreation and Fire Wheel Loader Replacement - Trades 5006				
Vehicles	Vehicle Maintenance	Fire Department Ambulance Replacement	240,000	240,000	480,000	240,000
Vehicles	Vehicle Maintenance	Public Works Grader Replacement - Winter 5096				
Vehicles	Vehicle Maintenance	Fire Department Car 7 & Service Truck 2 Replacement - Fire				
Vehicles	Vehicle Maintenance	Public Works Loader DPS 5116				
Vehicles	Vehicle Maintenance	Public Works TA Dump Truck Replacement - Districting 3096				
Vehicles	Vehicle Maintenance	Police Department Police Cruisers (7)) Replacement - Police	266,000	266,000	266,000	266,000
Vehicles	Vehicle Maintenance	Public Works 1 Ton Dump Truck Replacement - Peaks 2508				
Vehicles	Vehicle Maintenance	Public Works SA Dump Truck Replacement - Peaks 3114				
Vehicles	Vehicle Maintenance	Public Works SA Dump Truck Replacement - Winter 3115				
Vehicles	Vehicle Maintenance	Public Works Compact Pickup DPW Engineers 2051				
Vehicles	Vehicle Maintenance	Recreation and Fire 3/4 Ton Utility Van Replacement - Trades 2006				
Vehicles	Vehicle Maintenance	Recreation and Fire 3/4 Ton Utility Van Replacement - Trades 2045				
Vehicles	Vehicle Maintenance	Public Works Replace Utility Truck - DPW Traffic 2515				
Vehicles	Vehicle Maintenance	Public Works Sidewalk Tractors Replacement	300,000	150,000	300,000	150,000
Vehicles	Vehicle Maintenance	Recreation and Fire Mower Hill Climber 10' Replacement - Parks 7158				

Vehicles	Vehicle Maintenance Recreation and F: 1 Ton Dump Truck Replacement - Parks 3101				
Vehicles	Vehicle Maintenance Recreation and F: 1 Ton Dump Truck Replacement - Parks 3103	65,000			
Vehicles	Vehicle Maintenance Public Works 1 Ton Wrecker Replacement - Fleet 2501	60,000			
Vehicles	Vehicle Maintenance Recreation and F: 3/4 Ton Pickup - PRF - Rangers - 2037				
Vehicles	Vehicle Maintenance Recreation and F: Compact Pickup Replacement - PRF Ballfields				
Vehicles	Vehicle Maintenance Public Works 3/4 Ton Utility Van DPW Traffic 2019	25,000			
Vehicles	Vehicle Maintenance Public Works SA Dump Truck Replacement - Winter 3109	170,000			
Vehicles	Vehicle Maintenance Public Works Skidsteer Replacement - Winter 5106	50,000			
Vehicles	Vehicle Maintenance Human Resource Compact Pickup - HR Safety - 2016	25,000			
Vehicles	Vehicle Maintenance Fire Department Staff Car Replacement - Fire	40,000			
Vehicles	Vehicle Maintenance Public Works 3/4 Ton Pickup Replacement - DPW Traffic 2021	30,000			
Vehicles	Vehicle Maintenance Public Works Backhoe Replacement - Districting 5031	95,000			
Vehicles	Vehicle Maintenance Public Works Replace Peak's Backhoe 5115	95,000			
Vehicles	Vehicle Maintenance Public Works Compact Pickup Replacement - PDD 2180	27,000			
Vehicles	Vehicle Maintenance Recreation and F: Electric Utility Vehicle - Parks / Cemeteries	20,000			
Vehicles	Vehicle Maintenance Parking / Garages Parking Enforcement Truck Replacement - Parking 2023	27,000			
Vehicles	Vehicle Maintenance Permitting & Insp: Replace Crown Vic w/ EV - Inspections 1015	15,000			
Vehicles	Vehicle Maintenance Recreation and F: Pulp Loader Replacement - Forestry 5097	210,000			
Vehicles	Vehicle Maintenance Recreation and F: 1 Ton Dump Truck Replacement - Parks 3117	65,000			
Vehicles	Vehicle Maintenance Recreation and F: 1 Ton Dump Truck Replacement - Parks 3120	65,000			
Vehicles	Vehicle Maintenance Public Works 1 Ton Dump Truck Replacement - Districting 3105	70,000			
Vehicles	Vehicle Maintenance Public Works 1 Ton Dump Truck Replacement - Districting 3106	70,000			
Vehicles	Vehicle Maintenance Recreation and F: 1 Ton Plow Truck - PRF Trades Waterfront - 3024	70,000			
Vehicles	Vehicle Maintenance Recreation and F: Track XUV Utility Vehicle - PRF Golf	30,000			
Vehicles	Vehicle Maintenance Recreation and F: 1 Ton Dump Truck Replacement - Cemeteries 3119	65,000			
Vehicles	Vehicle Maintenance Recreation and F: 1 Ton Dump Truck Replacement - Cemeteries 3121	65,000			
Vehicles	Vehicle Maintenance Recreation and F: 3/4 Ton Pickup - PRF Cems 2186	38,000			
Vehicles	Vehicle Maintenance Recreation and F: Compact Wheeled Excavator - PRF Cems	85,000			
Vehicle - New (Nc	Vehicle Maintenance Recreation and F: Rec Bus w/ Wheel Chair Spots PRF Rec Seniors	65,000			
Vehicles	Vehicle Maintenance Police Department Criminal Investigation Division Vehicles Replacement - Police	68,000	68,000	68,000	68,000
Vehicles	Vehicle Maintenance Barron Center Replace 1 Ton Passenger Van - Barron Center -3901	40,000			
Vehicles	Vehicle Maintenance Parking / Garages Parking Garage Truck - 2041	30,000			
Vehicles	Vehicle Maintenance Recreation and F: 3/4 Ton Pickup Truck Replacement - Horticulture 2134	38,000			
Vehicles	Vehicle Maintenance Police Department Replace Police Admin Vehicles Car 20	38,000			
Vehicle - New (Nc	Vehicle Maintenance Permitting & Insp: Purchase 4wd SUV - Permitting Inspections Director	30,000			
Vehicle - New (Nc	Vehicle Maintenance Social Services Purchase Passenger Van - Oxford St Shelter	35,000			
Vehicles	Vehicle Maintenance Fire Department Squad 301 Heavy Rescue	1,000,000			
Vehicles	Vehicle Maintenance Public Works SA Dump Truck Replacement - Winter 3113	165,000			
Vehicles	Vehicle Maintenance Public Works SA Dump Truck Replacement - Winter 3034	165,000			
Vehicles	Vehicle Maintenance Public Works SA Dump Truck Replacement - Winter 3111	165,000			
Vehicles	Vehicle Maintenance Public Works 1 Ton Pickup Replacement - Districting 3002	52,000			
Vehicles	Vehicle Maintenance Public Works Dump Truck Replacement - Public Services 3201	205,000			
Vehicles	Vehicle Maintenance Public Works Dump Truck Replacement - Public Services 3202	210,000			
Vehicles	Vehicle Maintenance Public Works 1 Ton Pickup Replacement - Peaks 3001	52,000			
Vehicles	Vehicle Maintenance Public Works SA Dump Truck Replacement - Districting - 3126	165,000			
Vehicles	Vehicle Maintenance Public Works Dump Truck Replacement - Winter 3130	165,000			
Vehicles	Vehicle Maintenance Public Works Dump Truck Replacement - Public Services 3131	165,000			
Vehicles	Vehicle Maintenance Public Works 1 Ton Utility Truck Replacement - Traffic 2008	55,000			
Vehicles	Vehicle Maintenance Public Works 1 Ton Dump Truck Replacement - Districting 2502	52,000			
Vehicles	Vehicle Maintenance Recreation and F: 1 Ton Crew Cab Pickup Replacement - Forestry 2503	40,000			
Vehicles	Vehicle Maintenance Recreation and F: Compact Pickup Replacement -Rec and Facilities 2002	25,000			
Vehicles	Vehicle Maintenance Public Works 3/4 Ton Truck Replacement - Construction 2000	35,000			
Vehicles	Vehicle Maintenance Public Works 3/4 Ton Pickup Replacement - Construction 2001	35,000			
Vehicles	Vehicle Maintenance Recreation and F: 1 Ton Rack Truck Replacement - Forestry 2509	45,000			
Vehicles	Vehicle Maintenance Recreation and F: 3/4 Ton Pickup Replacement - Parks 2024			38,000	

Vehicles	Vehicle Maintenance	Public Works	1/2 Ton Pickup Replacement - Construction 2022	25,000		
Vehicles	Vehicle Maintenance	Public Works	3/4 Ton Pickup - Peaks 2050	35,000		
Vehicles	Vehicle Maintenance	Recreation and Fire	3/4 Ton Utility Truck Replacement - Playgrounds 2512		40,000	
Vehicles	Vehicle Maintenance	Recreation and Fire	Mower 11' Replacement - Parks 7162	60,000		
Vehicles	Vehicle Maintenance	Police Department	SRT & Hostage Negotiation Vehicle Replacement - Police	60,000		
Vehicles	Vehicle Maintenance	Police Department	Animal Control Officer Van Replacement - Police	27,500		
Vehicles	Vehicle Maintenance	Public Works	Pot Hole Patcher Replacement - Districting 5103	40,000		
Vehicles	Vehicle Maintenance	Recreation and Fire	Mower 16' Replacement - Parks 7156	95,000		
Vehicles	Vehicle Maintenance	Public Works	TA Dump Truck Replacement - Districting 3097	205,000		
Vehicles	Vehicle Maintenance	Recreation and Fire	15-Passenger Van Replacement - Recreation 2194	65,000		
Vehicles	Vehicle Maintenance	Public Works	3/4 Ton Pickup Replacement - Districting 2129	35,000		
Vehicles	Vehicle Maintenance	Public Works	3/4 Ton Pickup Replacement - Districting 2130	35,000		
Vehicles	Vehicle Maintenance	Public Works	Rolloff Truck Replacement - Peaks 4037	180,000		
Vehicles	Vehicle Maintenance	Public Works	Snow Blower Replacement - Winter 7116		125,000	
Vehicles	Vehicle Maintenance	Barron Center	3/4 Ton Pickup Replacement - Barron Center 3915	35,000		
Vehicles	Vehicle Maintenance	Recreation and Fire	1/2 Ton Pickup Replacement - Trades 2042	25,000		
Vehicles	Vehicle Maintenance	Fire Department	Replace Ladder 34		1,500,000	
Vehicles	Vehicle Maintenance	Fire Department	Replace Staff Car or Pickup			40,000
Vehicles	Vehicle Maintenance	Parking / Garages	Parking Enforcement Vehicle Replacement - Parking 2216	27,000		
Vehicles	Vehicle Maintenance	Public Works	Forklift Replacement - Fleet 6001	40,000		
Vehicles	Vehicle Maintenance	Public Works	Forklift Replacement - Fleet 6004	40,000		
Vehicles	Vehicle Maintenance	Public Works	Backhoe Replacement - Districting 5105	75,000		
Vehicles	Vehicle Maintenance	Public Works	Grader Replacement - Public Services 5109	425,000		
Vehicles	Vehicle Maintenance	Public Works	1 Ton Dump Truck Replacement - Islands 3100	70,000		
Vehicles	Vehicle Maintenance	Public Works	1 Ton Dump Truck Replacement - Districting 3118	70,000		
Vehicles	Vehicle Maintenance	Public Works	1 Ton Pickup Replacement - Peaks 2518	52,000		
Vehicles	Vehicle Maintenance	Public Works	Compact Pickup Replacement - Traffic 2030	25,000		
Vehicles	Vehicle Maintenance	Recreation and Fire	3/4 Ton Crew Cab Pickup Replacement - Parks 2514		38,000	
Vehicles	Vehicle Maintenance	Recreation and Fire	Tractor Replacement - Ballfields 8008		12,000	
Vehicles	Vehicle Maintenance	Recreation and Fire	Bucket Van Replacement - Trades 2218	55,000		
Vehicles	Vehicle Maintenance	Recreation and Fire	Activity Bus Replacement - Recreation 2700	60,000		
Vehicles	Vehicle Maintenance	Recreation and Fire	3/4 Ton Utility Van Replacement - Trades 2053		30,000	
Vehicles	Vehicle Maintenance	Recreation and Fire	Mini Van Replacement - Trades 2047			25,000
Vehicles	Vehicle Maintenance	Recreation and Fire	Compact Pickup Replacement - Trades 2086	25,000		
Vehicles	Vehicle Maintenance	Recreation and Fire	1 Ton Utility Van Replacement - Trades 2090		30,000	
Vehicles	Vehicle Maintenance	Recreation and Fire	1 Ton Pickup Replacement - Trades 3024	60,000		
Vehicles	Vehicle Maintenance	Recreation and Fire	3/4 Ton Utility Van Replacement - Trades 2217	30,000		
Vehicles	Vehicle Maintenance	Recreation and Fire	1 Ton Rack Body Truck Replacement - Trades 2507	60,000		
Vehicles	Vehicle Maintenance	Recreation and Fire	3/4 Ton Utility Van Replacement - Trades 2519	25,000		
Vehicles	Vehicle Maintenance	Recreation and Fire	Skidsteer Replacement - Trades 5001	45,000		
Vehicles	Vehicle Maintenance	Fire Department	Medcu Ambulance Replacement - Fire			
Vehicles	Vehicle Maintenance	Public Works	Fleet Tire Truck Replacement - Public Services 2007	40,000		
Vehicles	Vehicle Maintenance	Public Works	1 Ton Rack Truck Replacement - Districting 2505	50,000		
Vehicles	Vehicle Maintenance	Recreation and Fire	Mower Replacement - Parks 7180	60,000		
Vehicles	Vehicle Maintenance	Public Works	Fleet Service Truck Replacement - Public Services 2521	30,000		
Vehicles	Vehicle Maintenance	Recreation and Fire	Skidsteer Replacement - PRF Cems 5114			45,000
Vehicles	Vehicle Maintenance	Public Works	Replace Solid Waste Forklift 6018	40,000		
Vehicles	Vehicle Maintenance	Public Works	Skidsteer Replacement - Districting 5117	45,000		
Vehicles	Vehicle Maintenance	Public Works	Wheel Loader - Stock Yard - Public Services 5003	195,000		
Vehicles	Vehicle Maintenance	Public Works	Skidsteer Replacement - Districting 5119		45,000	
Vehicles	Vehicle Maintenance	Public Works	Mini Holder Replacement - PDD 8109	110,000		
Vehicles	Vehicle Maintenance	Public Works	Turf Tractor Replacement - Districting 7010	40,000		
Vehicles	Vehicle Maintenance	Recreation and Fire	Mower Replacement - Parks 7026	95,000		
Vehicles	Vehicle Maintenance	Public Works	1/2 Ton Pickup - Public Services Street Openings 2062			27,000
Vehicles	Vehicle Maintenance	Public Works	3/4 Ton Pickup Replacement - Districting 2131		35,000	

Vehicles	Vehicle Maintenance	Public Works	Dump Truck Replacement - Winter 3129	165,000		
Vehicles	Vehicle Maintenance	Public Works	Dump Truck Replacement - Winter 3203	205,000		
Vehicles	Vehicle Maintenance	Public Works	Skidsteer Replacement - PDD 5120			45,000
Vehicles	Vehicle Maintenance	Recreation and F	Smithco Turf RakeReplacement - Cemeteries 1046	40,000		
Vehicles	Vehicle Maintenance	Parking / Garages	Replace Parking Enforcement Truck 2167	25,000		
Vehicles	Vehicle Maintenance	Parking / Garages	Replace Parking Enforcement Vehicle 2168	25,000		
Vehicles	Vehicle Maintenance	Recreation and F	4 WD Utility Tractor w/ Loader Backhoe Replacement - Recreation 7011	60,000		
Vehicles	Vehicle Maintenance	Recreation and F	Replace PRF Single Axle Plow 3135		165,000	
Vehicles	Vehicle Maintenance	Public Works	Replace SPS Single Axle Dump 3136		165,000	
Vehicles	Vehicle Maintenance	Public Works	Replace DPS Single Axle Dump 3134		165,000	
Vehicles	Vehicle Maintenance	Public Works	Replace DPS Single Axle Dump 3133	165,000		
Vehicles	Vehicle Maintenance	Recreation and F	Replace 11' Mower Parks 7187	70,000		
Vehicles	Vehicle Maintenance	Public Works	Replace PDD .5 Ton Pickup 2029	30,000		
Vehicles	Vehicle Maintenance	Public Works	Replace JD Gator DPS 8007	15,000		
Vehicles	Vehicle Maintenance	Public Works	Replace PDD Toolcat 5005		70,000	
Vehicles	Vehicle Maintenance	Fire Department	Replace Engine 31			750,000
Vehicles	Vehicle Maintenance	Fire Department	Replace Ladder 36		1,500,000	
Vehicles	Vehicle Maintenance	Recreation and F	Replace Senior Rec Bus 2702	55,000		
Vehicles	Vehicle Maintenance	Parking / Garages	Parking Enforcement Vehicle Replacement - 2160			25,000
Vehicles	Vehicle Maintenance	Parking / Garages	Parking Enforcement Truck Replacement -2161			25,000
Vehicles	Vehicle Maintenance	Parking / Garages	Parking Meter Van Replacement - 2171		25,000	
Vehicles	Vehicle Maintenance	Parking / Garages	Parking Enforcement Truck Replacement -2176		25,000	
Vehicles	Vehicle Maintenance	Fire Department	E311 Replacment	750,000		
Vehicles	Vehicle Maintenance	Police Department	Replace Evidence Tech Van - - Police		40,000	
Vehicles	Vehicle Maintenance	Recreation and F	Replace 1 Ton 4981 - PRF School Maint	60,000		
Vehicles	Vehicle Maintenance	Parking / Garages	Parking Division SUV - 1021	20,000		
Vehicles	Vehicle Maintenance	Public Works	Electric Car - DPW Engineering - 1031	15,000		
Vehicles	Vehicle Maintenance	Public Works	Compact Wheeled Excavator - DPW Districting	125,000		
Vehicles	Vehicle Maintenance	Recreation and F	Replace Jeep -PRF-Trades - 1010		27,000	
Vehicles	Vehicle Maintenance	Recreation and F	Utility Tractor w/ Attachments - PRF Cems - 7009	30,000		
Vehicles	Vehicle Maintenance	Recreation and F	1 Ton Pickup - PRF Cems - 2525		50,000	
Vehicles	Vehicle Maintenance	Recreation and F	1 Ton Flatbed - PRF Forestry - 3003	50,000		
Vehicles	Vehicle Maintenance	Recreation and F	1/2 Ton Pickup - PRF Parks - 2020		25,000	
Vehicles	Vehicle Maintenance	Recreation and F	3/4 Ton Pickup - PRF Parks - 2128			38,000
Vehicles	Vehicle Maintenance	Recreation and F	11' Mower - PRF Parks - 7187		60,000	
Vehicles	Vehicle Maintenance	Recreation and F	16' Mower - PRF Ballfields - 7025			100,000
Vehicles	Vehicle Maintenance	Recreation and F	Compact Pickup Club Cab - PRF Ballfields - 2099	35,000		
Vehicles	Vehicle Maintenance	Recreation and F	Compact Pickup PRF Ballfields - 2097	25,000		
Vehicles	Vehicle Maintenance	Recreation and F	1 Ton Pickup - PRF Ballfields - 2223			50,000
Vehicles	Vehicle Maintenance	Recreation and F	Rec Bus - PRF 1st Tee - 2703		65,000	
Vehicles	Vehicle Maintenance	Public Works	Loader w/ Gear DPW 5121		205,000	
Vehicles	Vehicle Maintenance	Public Works	1/2 Ton Pickup DPW Solid Waste 2172			25,000
Vehicles	Vehicle Maintenance	Public Works	3/4 Ton Utility Truck DPW Traffic 2192	50,000		
Vehicles	Vehicle Maintenance	Public Works	1 Ton Utility Truck DPW Traffic 2500	60,000		
Vehicles	Vehicle Maintenance	Public Works	3/4 Ton Utility Van - DPW Engineering 2080	30,000		
Vehicles	Vehicle Maintenance	Public Works	3/4 Ton Utility Van DPW Engineering 2081	30,000		
Vehicles	Vehicle Maintenance	Public Works	Wheel Loader w/ Gear DPW Winter 5007			205,000
Vehicles	Vehicle Maintenance	Public Works	1 Ton Utility Truck DPW Fleet 2151	50,000		
Vehicles	Vehicle Maintenance	Public Works	SUV - DPW Safety 1084	30,000		
Vehicles	Vehicle Maintenance	Public Works	Jeep - DPW Admin - 1006	30,000		
Vehicles	Vehicle Maintenance	Public Works	SUV DPW Admin 1005	30,000		
Vehicles	Vehicle Maintenance	Social Services	1/2 Ton Pickup w/ Plow Social Services 2031			30,000
Vehicles	Vehicle Maintenance	Social Services	SUV Social Services 1007	30,000		
Vehicles	Vehicle Maintenance	Sewer Fund	SUV DPW Water Resources 1014			27,000
Vehicles	Vehicle Maintenance	Sewer Fund	Toolcat DPW Water Resources 5015			70,000

Vehicles	Vehicle Maintenance Sewer Fund	Prius DPW Water Resources 1018	30,000			
Vehicles	Vehicle Maintenance Human Resource	Compact Pickup HR Safety		27,000		
Vehicles	Vehicle Maintenance Police Department	Minivan - PD 0180		28,000		
Vehicles	Vehicle Maintenance Police Department	1/2 Ton Pickup PD Property - 0022	25,000			
Vehicles	Vehicle Maintenance Fire Department	Refurbish Ladder Truck	200,000			
Vehicles	Vehicle Maintenance Fire Department	Purchase Articulated Boom Ladder Truck			1,500,000	
Vehicles	Vehicle Maintenance Permitting & Insp	Replace Crown Vic w/ EV - Inspections 1016	15,000			
Vehicles	Vehicle Maintenance Parking / Garages	Replace Electric Car - Parking 1027			15,000	
Vehicles	Vehicle Maintenance Planning & Urban	Replace LeSabre w/ Electric Car - Planning 1024	15,000			
Vehicles	Vehicle Maintenance Planning & Urban	Replace Explorer w/ Electric Car - Planning 1079		15,000		
Vehicles	Vehicle Maintenance Public Works	Heavy Wrecker - DPW Fleet 5035	150,000			
Vehicles	Vehicle Maintenance Public Works	1 Ton Service Truck - DPW Fleet Weldshop 3085		60,000		
Vehicles	Vehicle Maintenance Public Works	Electric Car - DPW Engineering 1003	12,000			
Vehicles	Vehicle Maintenance Public Works	3/4 Ton Pickup - DPW PDD 2183	38,000			
Vehicles	Vehicle Maintenance Public Works	3/4 Ton Pickup - DPW PDD 2184	38,000			
Vehicles	Vehicle Maintenance Public Works	3/4 Ton Panel Van - DPW Fleet Parts 2085	25,000			
Vehicles	Vehicle Maintenance Public Works	Single Axle Plow Truck - DPW Winter 3098	165,000			
Vehicles	Vehicle Maintenance Public Works	Single Axle Plow Truck - DPW Winter 3036		165,000		
Vehicles	Vehicle Maintenance Recreation and F	Toolcat - PRF Ballfields 5004		70,000		
Vehicles	Vehicle Maintenance Public Works	Aerial Truck DPW Traffic 2517			150,000	
Vehicles	Vehicle Maintenance Public Works	1/2 Ton Pickup - DPW Solid Waste				30,000
Vehicles	Vehicle Maintenance Public Works	1.5 ton w/ Plow Equip - DPW Winter 3008				75,000
Vehicles	Vehicle Maintenance Recreation and F	3/4 Ton Pickup Truck - PRF Golf 3083		38,000		
Vehicles	Vehicle Maintenance Recreation and F	3/4 ton Pickup - PRF Forestry 2018	38,000			
Vehicles	Vehicle Maintenance Recreation and F	Compact Pickup - PRF Trades 2070	25,000			
Vehicles	Vehicle Maintenance Recreation and F	3/4 ton pickup - PRF Ballfields 2185	38,000			
Vehicles	Vehicle Maintenance Recreation and F	14 passenger van - PRF Recreation/ Homeless Outreach 2704		40,000		
Vehicles	Vehicle Maintenance Recreation and F	Shuttle Bus - PRF Recreation 2194			60,000	
Vehicles	Vehicle Maintenance Recreation and F	1/2 ton Pickup - PRF Trades 2003		30,000		
Vehicles	Vehicle Maintenance Recreation and F	1/2 Ton Pickup - PRF Trades 2004		30,000		
Vehicles	Vehicle Maintenance Recreation and F	1/2 Ton Pickup - PRF Forestry Watering - 2005		30,000		
Vehicles	Vehicle Maintenance Recreation and F	Stumper - PRF Forestry		50,000		
Vehicles	Vehicle Maintenance Recreation and F	Compact Pickup - PRF Forestry 2091		25,000		
Vehicles	Vehicle Maintenance Recreation and F	Chip Truck - PRF Forestry 3004		60,000		
Vehicles	Vehicle Maintenance Recreation and F	3/4 ton van - PRF Trades Expo 2027				30,000
Vehicles	Vehicle Maintenance Recreation and F	3/4 ton w/ flatbed - PRF Forestry 2065				40,000
Vehicles	Vehicle Maintenance Recreation and F	1/2 ton pickup PRF Trades 2071				30,000
Vehicles	Vehicle Maintenance Recreation and F	3/4 Ton Van - PRF Trades 2072				30,000
Vehicles	Vehicle Maintenance Recreation and F	3/4 ton van - PRF Trades				30,000
Vehicles	Vehicle Maintenance Recreation and F	Compact Pickup - PRF Trades 2088				25,000
Vehicles	Vehicle Maintenance Recreation and F	1/2 Ton pickup - PRF Cems 2110				30,000
Vehicles	Vehicle Maintenance Public Works	1/2 Ton Pickup - DPW Street Open		27,000		
Vehicles	Vehicle Maintenance Police Department	Replace Admin Vehicle - PD			38,000	38,000
Vehicles	Vehicle Maintenance Police Department	Arrest Wagon - PD		80,000		
SUBTOTAL OF REQUESTED PROJECTS BY YEAR			60,166,612	31,578,550	25,542,615	19,547,000
GOAL - TOTAL CAPITAL IMPROVEMENT PROJECTS - FUNDED BY GENERAL OBLIGATION BONDS			13,500,000	12,000,000	11,500,000	11,000,000
LESS: OTHER RECOMMENDED FUNDING SOURCES (FY19 & FY20 - \$1M OF PPS SURPLUS, \$1M OF CITY SURPLUS)			-2,000,000	-1,000,000	-1,000,000	-1,000,000
LESS: PREVIOUSLY BONDED CIP FUND REALLOCATIONS			-300,000	-300,000	-300,000	-300,000
Target CIP Borrowing Size - FY20 - FY23 - Excluding other funding sources noted above			11,200,000	10,700,000	10,200,000	9,700,000

Years 2 through 5 Capital Improvement Plan - Sewer / Stormwater

FY19 Amounts Represent City Manager Recommendation							
FY20-FY23 Amounts Represent Current Department Requets							
Classification	Departme	Division	ProjectTitle	2020	2021	2022	2023
Wastewater	Water Res	Sewer	Bedford Street Sewer Separation Project				
Wastewater	Water Res	Sewer	Preble & Somerset St Sewer Separation	3,000,000			
Stationary Equip	Water Res	Sewer	CMOM - Pump Station Rehabilitation	670,000	670,000	670,000	
Wastewater	Water Res	Sewer	CMOM - Inflow and Infiltration Program	1,000,000	1,000,000	1,000,000	
Wastewater	Water Res	Sewer	CMOM - Sewer System Renewal	3,200,000	3,200,000	3,200,000	
Wastewater	Water Res	Sewer	CSO - Close CSO #42	500,000			
Wastewater	Water Res	Sewer	Warren - Hicks to Hemingway Sewer Separation				
Wastewater	Water Res	Sewer	Forest - Avalon to Warren Sewer Separation				
Wastewater	Water Res	Sewer	Integrated Planning LTCP and Post Construction Monitoring Program	1,100,000			
Wastewater	Water Res	Sewer	Brighton - Dorset to Lomond Sewer Separation				
Wastewater	Water Res	Sewer	Thames St Stormwater Outfall				
Wastewater	Water Res	Sewer	Thames St Sewer / Stormwater Extension				
Streets/Sidewalk	Water Res	Sewer	Pavement Preservation Program - Utility costs	200,000	200,000	200,000	200,000
Streets/Sidewalk	Water Res	Sewer	MPI/CPR Paving Programs - Utility costs	25,000	25,000	25,000	25,000
Streets/Sidewalk	Water Res	Sewer	Street Rehab Program - Utility costs	1,200,000	1,200,000	1,200,000	1,200,000
Streets/Sidewalk	Water Res	Sewer	PACTS Paving - ineligible Utility costs		150,000		50,000
Wastewater	Water Res	Sewer	Pump Station at 109 District Road				
Wastewater	Water Res	Stormwa	Stormwater Retrofits on Riverside Street				
Wastewater	Water Res	Sewer	Bell Street Sewer Replacement				
Streets/Sidewalk	Water Res	Stormwa	Stormwater Infrastructure Improvements	200,000	200,000	200,000	200,000
Wastewater	Water Res	Sewer	PACTS USM Roundabout Sewer Separation	1,000,000			
Streets/Sidewalk	Water Res	Sewer	PACTS Washington Ave road & signals - ineligible Utility costs	153,000			
Streets/Sidewalk	Water Res	Sewer	Washington Ave Rehabilitation (Cumb - E Prom) - Utility costs	750,000			
Wastewater	Water Res	Stormwa	Franklin Street Storm Drain	2,000,000	3,000,000		
Wastewater	Water Res	Stormwa	Green Infrastructure	250,000	250,000	250,000	
Wastewater	Water Res	Sewer	Dartmouth Street Sewer Separation Project	280,000	2,520,000		
Wastewater	Water Res	Sewer	Mackworth Street and Ocean Avenue Sewer Separation Project	6,850,000			
Wastewater	Vehicle Ma	Sewer	Street Sweepers Replacement				
Wastewater	Vehicle Ma	Sewer	Catch Basin Cleaning Vehicle Replacement - Sewer 3127				
Wastewater	Vehicle Ma	Sewer	Service Truck - DPW Water Resources				
Wastewater	Vehicle Ma	Sewer	Hook Lift Truck - DPW Water Resources	170,000			
Wastewater	Vehicle Ma	Sewer	Flail Mower - DPW Water Resources	15,000			
Wastewater	Water Res	Sewer	Back Cove South Storage Tank - New Bond Authorization	2,000,000			
Total Current Project Requests				24,563,000	12,415,000	6,745,000	1,675,000
Estimated Future Recommended General Obligation Bond Amounts - FY20 - FY23				16,000,000	16,000,000	16,000,000	#####
PROJECTS PREVIOUSLY AUTHORIZED FOR BONDING BY CITY COUNCIL							
Wastewater	Water Res	Sewer	Back Cove South Storage Tank (2013 Bond Authorization)	8,000,000			