

# City of Portland

## CAPITAL IMPROVEMENT PLAN

FY 2017 – FY 2021



April 2016

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## A. Introduction

The Capital Improvements Plan (CIP) presents the City's capital needs in the current year and plans for capital needs in future years. It is also a financing plan for **public improvement projects** that require significant capital investment for the City. The purpose of developing and annually updating a five-year CIP is to inform policy makers and community of both the current and future capital needs of the community. The CIP as included for FY17 is a listing of all projects approved for funding in FY17. The five-year CIP as currently outlined includes a list of ALL requested projects for FY18 – FY21 in an effort to balance public expectations. The number of requests significantly outweighs available debt capacity and the ability of the City's operating budget to fund 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 \$10,000 and a useful life of more than five years. Common CIP projects include new vehicles, new or improved sidewalks, roads, neighborhood renewal projects and new City facilities, such as schools and other facilities.

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

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

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

### **CIP Preparation**

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

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

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

### **Relationship to the Annual Operating Budget**

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

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

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

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

### **Outstanding Debt Summary**

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

#### **Outstanding Debt Authorized and Issued as of June 30, 2015**

General City	109,356,212
Pension	108,675,000
<u>Sewer</u>	<u>67,163,248</u>
Total	285,194,460

### **Goals of the FY2017 Capital Improvement Plan**

The key goal for the FY2017 Capital Improvement Plan 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 CIP. By issuing less approximately \$12.9M of Capital Improvement Plan project general obligation debt in FY2016 this goal could be achieved and debt service costs related to CIP would not increase.

This year's Five-year Capital Improvement Plan presents a capital maintenance funding program that

balance maintaining roads, sidewalks, facilities (School and City), parks and open space, as well as the City’s vehicle fleet with minimizing the impact from capital expenditure on the operating budget and minimizing potential tax rate increases. **The presented five-year Plan, in years two through five, includes a complete listing of all specific project requests, including those requested for FY16 which could not be funded and had to be postponed until a future fiscal year due to limitation of funds.** The current list of FY17 – FY21 specific project requests greatly outweighs currently available funding. A list of project requests greatly outweighs the available funding. Recommended general fund borrowing levels by year, so as not to increase operating budget expenditure for debt service, is as follows:

**Table of Recommended General Fund Borrowings – 2017-2021**

<b>Fiscal Year</b>	<b>Recommended General Fund Borrowing</b>
2017	\$12.9M*
2018	\$12.1M
2019	\$14.4M
2020	\$8M
2021	\$12M

\* Matches approved FY17 general fund borrowing

As noted above, the recommended FY17 general fund borrowing was limited to \$12.9M. However, via the Capital Improvement Plan process the City is achieving a total of \$15.7M of projects. City staff worked hard to identify potential other sources of funding to achieve the maximum level of Capital Improvement Funding. This was done via utilization of prior year CIP reallocations (when prior year CIP projects were completed with funds remaining in their budgets), FY17 operating budget funds, use of TIF funds from the Bayside TIF, private donations, special revenue funds (i.e. funds accumulated by the City via either donation of fees which are earmarked for specific purposes), and use of school surplus funds which must be spent within a specified period of time. Significant effort and innovation must continue in order to identify additional funds to help meet the capital needs of future periods.

<b>Source of Funds</b>	<b>Amount</b>
New FY17 General Fund Borrowing	\$ 12,949,104
Prior Year CIP Reallocations	\$ 704,896
FY17 Operating Budget Capital Projects	\$ 549,900
Bayside TIF	\$ 400,000
Private Donations (Peaks Island Library)	\$ 400,000
Special Revenue Funds	\$ 193,802
Use of School Surplus Funds	\$ 475,000
<b>GRAND TOTAL</b>	<b>\$ 15,672,702</b>

In addition to the above, City Council authorized the creation of a School Capital Reserve in the amount of \$2,084,960. Although these funds are still intended by City Council to be contained in the unreserved portion of City fund balance (i.e. they can be used for any purpose at all if necessary) the establishment of the fund was designed to display City Council’s commitment to spend these funds within the five year CIP period on capital improvement plan needs within the City schools.

## Needs Assessment

The needs assessment is a summary of the City's capital assets, an evaluation of the replacement value of those assets, and estimate of the annual reinvestment needed to maintain those assets. A full needs assessment was conducted in FY15. The estimates can be used as a tool for evaluating investment in the City's capital assets as well as suggesting an average annual funding target for future capital investment.

## 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

<b>FY17 Capital Improvement Plan - City Manager Recommended - General Fund</b>	
<b>Transportation</b>	
<i>PACTS/Match</i>	
PACTS Regional Transportation Management Systems (RTMS) - Traffic Signals	222,000
PACTS Danforth St Paving	86,000
PACTS/Match Subtotal	308,000
<i>Traffic Signals</i>	
Traffic Signals at Various Locations	200,000
Traffic Signal Work in Support of Paving Programs	150,000
Traffic Signals Subtotal	350,000
<i>Streets/Sidewalks</i>	
Paving Preservation and Rehabilitation	2,900,000
Railroad Quiet Zone Improvements	800,000
Sidewalk Rehabilitation/Accessibility	500,000
Municipal Partnership Initiative (MPI) Paving Program	465,750
CSO Compliance - SRF Ineligibles	400,000
MaineDOT Arterial Paving Riverside St - utility system costs	102,000
Monument Square ADA Improvements	100,000
Thames Street Extension Engineering	50,000
One City Center - Shared cost sidewalk	28,000
Streets/Sidewalks Subtotal	5,345,750
<b>Transportation Total</b>	<b>6,003,750</b>
<b>Facilities</b>	
<i>Buildings/Garages</i>	
Roof Deck at Spring Street Parking Garage - Phase II	700,000
Peaks Island Library	250,000
212 Canco Rd Fit-Out	200,000
Elevator Replacement - Police Department	200,000
Structural Repairs/Door Frame replacement - Hadlock	190,000
Public Safety Burner Replacement - Police Department	70,000
Passenger Elevator at City Hall	50,000
Fire Station Exhaust Removal System Upgrade	30,000
Buildings/Garages Subtotal	1,690,000
<i>Marine</i>	
On going pile/pier work	170,000
POT - Pile engineering Survey	112,500
Compass Park Pier Stablization/Maine State Pier	200,000
Marine Subtotal	482,500
<i>Schools</i>	
Peaks Island - Boiler Replacement/EMS/Masonry	500,000
Lyman Moore - Paving Drainage	400,000
Reiche Ramp Removal + Engineering	800,000
Lincoln School - Masonry	250,000

PATHS Fire Alarm Replacement	200,000
CBHS - Engineering/ Construction for new entrance	50,000
Schools Subtotal	2,200,000
<b>Facilities Total</b>	<b>4,372,500</b>
<b>Open Spaces, Parks, Fields, Trails</b>	
<i>Open Spaces, Parks, Fields, Trails</i>	
Lincoln Park Walkways Repair	250,000
Lyman Moore Ballfields - Drainage Phase II	200,000
Amythyst Lot Master Plan	80,000
Golf Course Rehab	50,000
<b>Parks, Fields, Trails Total</b>	<b>580,000</b>
<b>Equipment and Vehicles</b>	
<i>Equipment</i>	
Parking Meters Replacement	131,250
Streetlights: Implement GPCOG LED Conversion	100,000
Virtualization, Storage and Redundancy Upgrade	75,000
Security Management System	35,000
Equipment Subtotal	341,250
<i>Vehicles</i>	
Food Service Truck - School Department	89,000
Police Cruisers (4) Replacement - Police	152,000
Medcu Ambulance Replacement - Fire	220,500
Used Pickups for Various City Departments	150,000
TA Dump Truck Replacement - Districting 3095	185,000
Arrest Vehicle Replacement - Police	76,500
Sidewalk Tractors Replacement	280,000
Refurbish 4 Plow Truck Bodies	160,000
Wheel Loader Replacement - Winter 5093	210,000
1 Ton Dump Truck Replacement - Districting 3084	60,000
1 Ton Dump Truck Replacement - Districting 3085	60,000
1 Ton Dump Truck Replacement - Barron Center 3914	60,000
1 Ton Truck Replacement - Playgrounds 3091	52,000
3/4 Ton Pickup Replacement - Districting 2184	35,000
Activities League Vehicle Replacement - Police	30,000
Medcu 15 Cliff Island	126,000
3/4 Ton Pickup Replacement - Districting 2185	35,000
TA Dump Truck Replacement - Winter 3094	185,000
3/4 Ton Pickup Replacement - Districting 2183	35,000
Wheel Loader Replacement - Public Services 5099	210,000
Tractor Replacement - Ballfields 7138	55,000
Patrol Supervisor Vehicle Replacement - Police	39,500
Replace box truck 4903 - School Maintenance	50,000
Litter Vac Replacement - PDD	75,000
Medcu 13 Great Diamond Island	126,000
Vehicles Subtotal	2,756,500

<b>Equipment and Vehicles Total</b>	<b>3,097,750</b>
<b>Subtotal - FY17 Recommended Projects</b>	<b>14,054,000</b>
Less: Available Funds within Bayside TIF	(400,000)
Less: PY Unallocated CIP	(704,896)
<b>General Fund Financed Total</b>	<b>12,949,104</b>
<b>FY17 Capital Improvement Plan - City Manager Recommended - Other Funding Sources</b>	
<i>Operating Budget CIP</i>	
Temple St. Parking Garage Cond. Appraisal Rprs Concrete & Joints	230,000
Ticket Dispenser and Register at Elm Street Parking Garage	25,000
Conference Room Air Conditioning - Expo Center	30,000
Vulcan Steamer - Barron Center Kitchen	14,900
Laundry Box Truck Replacement - Barron Center 3912	30,000
Firehouse Conditional Appraisal	50,000
Rotary Trim Mower Replacement - Golf Course	45,000
Pot Hole Patcher Replacement - Districting 5104	40,000
Tractor -PDD - 7159	20,000
Kitchen Box Truck Replacement- Barron Center 3913	30,000
Patient Transport Van Replacement - Barron Center 3901	35,000
<b>Operating Budget CIP Total</b>	<b>549,900</b>
<i>Special Revenue Fund CIP</i>	
Merrill- Flooring/Seating/Painting Replacement	100,000
Fire Alarm System - Barron Center	70,000
Day Room Furniture - Barron Center	23,802
<b>Special Revenue Fund CIP Total</b>	<b>193,802</b>
<i>School Surplus CIP (20-A M.R.S. 1312 &amp; 1706)</i>	
Two 14 Passenger Buses	87,000
Replacement School Bus	88,000
Schools Conditional Appraisal / Workplan for Future Repairs	300,000
Capital Allowance for Future School Capital Improvements	2,084,960
<b>School Surplus Subtotal</b>	<b>2,559,960</b>
<b>TOTAL FY17 GF CIP PROJECTS - ALL FUNDING SOURCES</b>	<b>15,272,702</b>
*Excess school surplus is being recommended for placement in a capital allowance for future use. Final amount of the capital allowance is pending and will be based on beginning	
(\$3,084,960) less FY16 budgeted school usage of fund balance (\$415,000), less FY17 recommended use of school surplus above (\$500,000), and less FY17 final approved	
FY17 School budgeted use of fund balance (currently \$750,000). Allowance will still require City Council approval prior to use and will still be included within fund balance.	

**Project Title** ID 141740

PACTS Regional Transportation Management Systems (RTMS) -  
Traffic Signals

**Public Works**

**Division** Traffic

**Classification** Stationary Equipment

**Project Description**

Updates to Washington/Ray: \$45,000

Updates to Washington/Canco: \$90,000

Updates to Washington/Lawrence: \$45,000

Provide Fiber connection to Washington/Allen: \$42,000

Local support to augment PACTS UPWP funding for regional transportation system upgrades. Includes money for new equipment and especially improved communications. Anticipate requiring approximately \$100,000 to \$175,000 per year, which includes PACTS funding. In FY16 a PACTS 16-18 TIP application for work on Congress Street was awarded for a total of \$330,000, of which the City will provide a \$82,500 match.

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

**Project Justification**

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

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

For the next two-year funding cycle, general funding will be limited to Portland's share of \$60,000 (\$75,000 total including local match), split between the communities, which is expected to be about approximately \$22,000 for the next two years. In addition to this money, the City will receive \$247,500 for the Congress Street RTMS work from Fore River Parkway to Stevens Avenue.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$88,000			\$1,180,500	\$1,268,500

**Funding Source**

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2014	\$22,000	\$78,000	\$80,000		<input checked="" type="checkbox"/>
2015	\$22,000	\$167,000	\$165,000		<input checked="" type="checkbox"/>
2016	\$269,500	\$277,270	\$100,000		<input checked="" type="checkbox"/>
2017	\$22,000	\$222,000			<input type="checkbox"/>
2018	\$22,000	\$100,000			<input type="checkbox"/>
2019	\$22,000	\$100,000			<input type="checkbox"/>

2020	\$22,000	\$100,000	<input type="checkbox"/>
2021			<input type="checkbox"/>
<b>Total</b>	\$401,500	\$1,044,270	\$345,000

**Other Funding Source Description**

\$22,000 annually for 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 141751

Street Reconstruction Donald St

**Public Works**

**Division** Engineering

**Classification** Streets/Sidewalks

**Project Description**

Reconstruction of Donald St between Dennett St and Raymond Rd to improve drainage.

**Project Justification**

Request from property owner regarding on going issue with poor drainage on this street. Original design in 1955 was flat with no drainage structures. An overlay in 2004 improved the surface only. This is a low volumn residential street providing access to 5 homes.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$12,000		\$116,000		\$128,000

**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					<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021		\$128,000			<input type="checkbox"/>
<b>Total</b>		\$128,000			

**Other Funding Source Description**

**Operating Budget Impact**

## Other Funding Source Description

### Operating Budget Impact

Updates to curb ramps will reduce the burden on sidewalk and CDBG budgets. Signalization updates will keep equipment reliable and require fewer service calls.

**Project Title** ID 163151

PACTS Danforth St Paving

### Public Works

**Division** Engineering

**Classification** Streets/Sidewalks

### Project Description

PACTS 16-18 TIP award of \$248,413, inclusive of \$62,103; the required 25% Local Match.

PACTS Collector Paving Program awarded Danforth St paving between York and High St. CIP request is for the required 25% Local Match (\$62,103) plus ineligible City costs, including Sewer (\$14,000) & multi-modal system improvements (\$24,000). Work Plan indicates 2016 construction.

### Project Justification

Highly leveraged value of Federally funded Pavement Rehabilitation projects; Local Match = 25% and City must cover 100% of sewer utility and ineligible items.

### 5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$10,000		\$276,310		\$286,310

### 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	\$200,310	\$86,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>	\$200,310	\$86,000			

### Other Funding Source Description

PACTS 16-18 TIP award; Work Plan indicates 2016 construction.

### Operating Budget Impact

Reduces cost to City for pothole repair and leverages critical infrastructure maintainance.

**Project Title** ID 141023

Traffic Signals at Various Locations

**Public Works**

**Division** Traffic

**Classification** Stationary Equipment

**Project Description**

The FY 2017 Request will be for the following:

Cumberland at High and Forest: New pole hardware, peds, buttons, signs, wiring: \$30,000

Forest at Riverside: New heads, peds, backplates, wiring: \$30,000

New controllers and cabinets along State Street: 20-25k per intersection for 6 intersections: \$140,000

No funding in FY 2016.

**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 new signal at Commercial and Beach Street, and one proposed for Marginal at Cumberland Avenue, the system is growing.

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

The traffic technicians 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 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 takes place.

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

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$220,000			\$1,970,000	\$2,190,000

**Funding Source**

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2014		\$168,500	\$165,000		<input checked="" type="checkbox"/>
2015	\$195,000	\$230,000	\$230,000		<input checked="" type="checkbox"/>
2017		\$200,000			<input type="checkbox"/>

2018		\$200,000		<input type="checkbox"/>
2019		\$400,000		<input type="checkbox"/>
2020		\$400,000		<input type="checkbox"/>
2021		\$400,000		<input type="checkbox"/>
<b>Total</b>		\$195,000	\$1,998,500	\$395,000

**Other Funding Source Description**

\$195,000 funded by MaineDOT as part of the overall Cumberland at Elm and Preble project.

**Operating Budget Impact**

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

**Project Title** ID 173596  
 Traffic Signal Work in Support of Paving Programs

**Public Works**

**Division** Traffic

**Classification** Equipment

**Project Description**

FY17 - MPI Program: Washington at Ocean; Overhaul of Aging Signal - \$110,000  
 FY17 - MaineDOT Arterial Program: Riverside St paving; Overhaul of Aging Signals - \$75,000

**Project Justification**

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

Beginning in FY17, the City seeks to keep separate various types of funding for each "type" of improvement. In this case, \$110,000 is being requested for updates and improvements to the Ocean Avenue intersection with Washington Avenue in association with a pending paving project at this location. The equipment at this intersection is old to the point where its wiring does not even meet code, and a simple swap out of newer video detection will not be feasible, requiring a cabinet replacement and other improvements. An additional \$75,000 is requested to upgrade signal system(s) on Riverside St between Brighton Ave and the entrance to Home Depot.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$585,000	\$585,000

**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			<input type="checkbox"/>
2018		\$100,000			<input type="checkbox"/>
2019		\$100,000			<input type="checkbox"/>
2020		\$100,000			<input type="checkbox"/>
2021		\$100,000			<input type="checkbox"/>
<b>Total</b>		\$585,000			

**Other Funding Source Description**

**Operating Budget Impact**

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

**Project Title** ID 141013

Paving Preservation and Rehabilitation



**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, adjustment/repair to sanitary/storm structures.

**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>
		\$27,750,000		\$27,750,000

**Funding Source**

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
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			<input type="checkbox"/>
2018		\$4,000,000			<input type="checkbox"/>
2019		\$4,000,000			<input type="checkbox"/>
2020		\$4,000,000			<input type="checkbox"/>
2021		\$4,000,000			<input type="checkbox"/>
<b>Total</b>		\$36,000,000	\$7,750,000		

**Other Funding Source Description**

**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** Traffic

**Classification** Streets/Sidewalks

**Project Description**

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

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

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

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

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

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

\$150,000 funded in 2013, \$100,000 funded in 2014.

**Project Justification**

Pan Am Railroad lines and crossings have been upgraded to accommodate new inter City commuter train service between Portland and Brunswick with three (3) 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 Measurements (SSM's) to maintain the zone.

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

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

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$2,100,000		\$2,100,000

**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		\$100,000	\$100,000		<input checked="" type="checkbox"/>
2015		\$400,000	\$400,000		<input checked="" type="checkbox"/>
2017		\$1,000,000			<input type="checkbox"/>
2018		\$200,000			<input type="checkbox"/>
2019		\$200,000			<input type="checkbox"/>
2020		\$200,000			<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$2,100,000	\$500,000		

**Other Funding Source Description**

**Operating Budget Impact**

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

**Project Title** ID 141030

Sidewalk Rehabilitation/Accessibility

**Public Works**

**Division** Engineering

**Classification** Sidewalks

**Project Description**

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

- \*\* rehabilitation of existing sidewalks; particularly those of a hazardous nature
- \*\* construction and rehabilitation of curb ramps; especially for ADA compliance & transit accessibility
- \*\* construction of new sidewalks where gaps of significance exist
- \*\* pedestrian street crossing systems; particularly on Arterial streets. Suggested that up to \$100,000 of each \$600,000 request is dedicated to this need.

**Project Justification**

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.

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

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

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

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

\*\* Criteria F - Past phases in FY '12, '13 and '14 CIP have been funded and the project needs remain and has called out for a need for increased investment as has happened since instituted in FY '12.

**5 Year Cost Summary**

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

**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>
2013		\$700,000	\$700,000		<input checked="" type="checkbox"/>
2014		\$700,000	\$700,000		<input checked="" type="checkbox"/>
2015		\$850,000	\$700,000		<input checked="" type="checkbox"/>
2016		\$700,000	\$500,000		<input checked="" type="checkbox"/>
2017		\$600,000			<input type="checkbox"/>
2018		\$600,000			<input type="checkbox"/>
2019		\$600,000			<input type="checkbox"/>
2020		\$600,000			<input type="checkbox"/>
2021		\$600,000			<input type="checkbox"/>

<b>Total</b>	\$5,950,000	\$2,600,000
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**Other Funding Source Description**

**Operating Budget Impact**

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

**Project Title** ID 173674  
 Municipal Partnership Initiative (MPI) Paving Program



**Public Works**

**Division** Engineering

**Classification** Streets/Sidewalks

**Project Description**

Complete mill and overlay of various arterial and collector roadways with shared funding sources to improve substandard roads to PACTS and MaineDOT minimum standards. A portion of these costs should be allocated for sewer fund components of each project. See attachments for detail of funding programs.

FY17 Allen Av - Washington Av to Pennell Av \$275,000  
 Washington Av - Ocean Av to Canco Rd \$742,500

Projects for other years need to be coordinated with the gas company and water district schedules as well as other underground utility upgrades.

**Project Justification**

By combining limited state and city funding, major improvements can be made to deteriorating roadways. These improved sections will then qualify for future state funded pavement preservation programs. The City's maintenance costs will be reduced on these segments.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$450,000		\$4,567,500		\$5,017,500

**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>
2017	\$500,000	\$517,500			<input type="checkbox"/>
2018	\$500,000	\$500,000			<input type="checkbox"/>
2019	\$500,000	\$500,000			<input type="checkbox"/>
2020	\$500,000	\$500,000			<input type="checkbox"/>
2021	\$500,000	\$500,000			<input type="checkbox"/>
<b>Total</b>	\$2,500,000	\$2,517,500			

**Other Funding Source Description**

PACTS/MaineDOT MPI funds; maximum of \$200,000/\$500,000 per project

**Operating Budget Impact**

All pavement preservation will reduce operating costs for both summer and winter maintenance of streets.

**Project Title** ID 141009

CSO Compliance - SRF Ineligibles

**Public Works**

**Division** Engineering

**Classification** Streets/Sidewalks

**Project Description**

The City's CSO program is a Federally and State mandated program.

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

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

**Project Justification**

The City's 2016 CSO projects include:

- Back Cove South Conduit - Marginal Way (Preble to End) - \$1,000,000
- State Street Sewer Separation (Forest to Cumberland Ave) - \$550,000
- Deering Oaks Gravel Lot Green Infrastructure project - \$50,000
- Marginal Way Sewer Separation (Preble to Forest) - \$200,000
- Madison and Walnut Sewer Separation (Washington Ave) - \$100,000
- Woodsford St Sewer Separation - \$100,000

Each of 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.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$6,300,000		\$6,300,000

**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			<input type="checkbox"/>
2018		\$1,000,000			<input type="checkbox"/>
2019		\$1,000,000			<input type="checkbox"/>
2020		\$1,000,000			<input type="checkbox"/>
2021		\$1,000,000			<input type="checkbox"/>
<b>Total</b>		\$6,500,000	\$1,300,000		

**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

2021	\$400,000	<input type="checkbox"/>
<b>Total</b>	<b>\$1,900,000</b>	

**Other Funding Source Description**

**Operating Budget Impact**

As more and more of the tape markings are placed via the CIP process, the operating budget will see a corresponding decrease in demand.

**Project Title** ID 152406

MaineDOT Arterial Paving Riverside St - signal & markings costs

**Public Works**

**Division** Engineering

**Classification** Streets/Sidewalks

**Project Description**

MaineDOT Arterial paving project currently scheduled for 2017. Extent of work is from Brighton Av to Home Depot entrance. No Local Match is required, but Sewer and Stormwater system adjustments and/or repairs are necessary for all paving work; those costs are borne 100% by the Utility owner and are reflected in the Sewer Fund CIP. Additionally staff proposes to upgrade the signal system(s) and pavement markings beyond what MainedOT will typically cover.

- Local Match = \$0
- Sewer/Storm cost estimate = \$41,000
- Signals upgrade cost estimate = \$75,000
- Pavement Markings upgrade cost estimate = \$27,000

**Project Justification**

Paving project costs are 100% covered by MaineDOT arterial paving program; City pays only for Utility system repairs/adjustments and items outside the project scope (see attachment for estimate prepared in 2014). Resurfacing will eliminate the need for local paving and provide upgrades to the City's infrastructure.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$602,000		\$602,000

**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					<input type="checkbox"/>
2018	\$500,000	\$102,000			<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>	<b>\$500,000</b>	<b>\$102,000</b>			

**Other Funding Source Description**

Pavement Preservation funds provided by MaineDOT Arterial paving program.

**Operating Budget Impact**

Resurfacing will reduce operating costs for summer and winter maintenance of pavement.

**Project Title** ID 152489

Monument Square ADA Accessibility

**Public Works**

**Division** Engineering

**Classification** Sidewalks

**Project Description**

The overall condition and accessibility to and within Monument Square has deteriorated dramatically. This funding is designed address ADA accessibility issues.

**Project Justification**

Monument Square is historically the principal gathering space within the City of Portland for celebrations, protests, concerts, farmers market, socializing and commerce. It is in quite poor condition and its level of accessibility is deteriorating rapidly.

Upgrading curb ramps around Monument Square will increase access and connectivity for people with disabilities and all pedestrians. Safer access encourages use of local amenities and creates a more friendly and livable neighborhood for all pedestrians.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$0		\$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>
2017		\$100,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$100,000			

**Other Funding Source Description**

Other potential supplemental funding sources include: Downtown Transit TIF and CDBG Curb Ramps.

**Operating Budget Impact**

Reduces current operating budget maintenance costs by improving areas that have required patching and temporary repairs.

**Project Title** ID 173704

Thames Street Extension Engineering

**Public Works**

**Division** Engineering

**Classification** Streets/Sidewalks

**Project Description**

This project will help determine infrastructure needs along Thames Street and the surrounding areas.

**Project Justification**

The waterfront area of Portland is rapidly expanding. In order to fully understand which infrastructure improvements are necessary and where, this engineering work is necessary. The City can drive negotiations with future developers in the area by having a complete understanding of what infrastructure improvements will be required.

**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>
2017		\$50,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$50,000			

**Other Funding Source Description**

**Operating Budget Impact**

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

**Project Title** ID 173677

One City Center - Shared cost sidewalk

**Public Works**

**Division** Engineering

**Classification** Streets/Sidewalks

**Project Description**

One City Center (Dirigo Management) approached the Dept of Public Works with a request to upgrade the sidewalk, steps and plaza area on City property adjacent to One City Center. The Center stated that they were proposing \$45,000 upgrade to their infrastructure and was hopeful the City would do the same.

**Project Justification**

The brick sidewalks, stairs, retaining walls shared by both One City Center and the City was constructed approximately 45 years ago. Age has distorted the concrete steps and created an uneven walking surface. One City Center has suggested a joint venture with cost sharing.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$73,000		\$73,000

**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	\$45,000	\$28,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>	\$45,000	\$28,000			

**Other Funding Source Description**

Private site upgrading adjacent to City property; CIP request to be a companion project

**Operating Budget Impact**

The City portion of this work involves replacing approximately 140 sq. yds. of brick sidewalk, adding approximately 16 L. F. of new concrete wall with ornamental fencing, installing granite steps and installing approximately 26 L. F. of granite curbing to form an approximate 100 sq.ft. green space. Estimate for the City portion, \$28,000.

**Project Title** ID 173696  
 Roof Deck at Spring Street Parking Garage

**Parking / Garages**

**Division** Spring Street Garage

**Classification** Facilities

**Project Description**

This project includes the removal of existing pavement, repavings, and applying a waterproofing membrane. During the process repairing any concrete damage will be completed as well.

**Project Justification**

The existing pavement and waterproofing membrane on the roof are 19 years old. Water leaks through the deck causing rusting of rebar and spalling of the concrete which weaken the structure of the deck. Delaying the project will result in further damage to the structure and added cost.

**5 Year Cost Summary**

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

**Funding Source**

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2017		\$700,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$700,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 173679  
 Peaks Island Library

**Recreation and Facilities**

**Division** Other Public Buildings

**Classification** Facilities

**Project Description**

Project to build a library at the Peaks Island Community Center. Project cost is estimated to be \$650,000 however \$200,000 will be raised via donations. An additional \$200,000 donation is potentially available to offset costs pending certain conditions.

**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		\$600,000		\$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>
2017	\$400,000	\$250,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>	\$400,000	\$250,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 173558  
 212 Canco Rd Fit-Out

**Recreation and Facilities**

**Division** Other Public Buildings

**Classification** Facilities

**Project Description**

Relocate additional Rec/Staff

**Project Justification**

To have Rec/Fac in one building to better the services we provide. This will make the department much more efficient with better communication.

**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>
2017		\$425,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$425,000			

**Other Funding Source Description**

**Operating Budget Impact**

This will allow a better use of staff allowing the staffs work load to be better distributed.

**Project Title** ID 173646

Elevator Replacement

**Police Department**

**Division** Administration

**Classification** Facilities

**Project Description**

To replace existing elevator cars/system at 109 Middle Street

**Project Justification**

One bay of the elevator @ 109 Middle Street has been inoperable for most of the calendar year of 2015 and has been repaired numerous times. Replacement request prepared under consultation with Kathy Alves-Buildings/Facilities Management.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$50,000	\$150,000	\$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>
2017		\$200,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$200,000			

**Other Funding Source Description**

**Operating Budget Impact**

N/A

**Project Title** ID 152244  
 Structural Repairs/Door Frame replacement - Hadlock

**Recreation and Facilities**

**Division** Hadlock Field

**Classification** Facilities

**Project Description**

Hadlock Stadium structural review in FY15 and repair in FY16.

**Project Justification**

This facility was built on a "floating slab". This causes components to move with frost and cold temps. There are signs of bent plates, twisting stair treads, door frames pinching and rusting creating doors to not operate properly.

These components are 20+ yrs old and have lasted well based on the facility design. It's time for replacement and upgrades where possible.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$190,000		\$190,000

**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		\$190,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$190,000			

**Other Funding Source Description**

**Operating Budget Impact**

The ability to not have emergency work done at a higher cost. Staff can spend time working on maintenance issues and not trying to resolve short term fixes.

**Project Title** ID 173576

Public Safety Burner Replacement

**Recreation and Facilities**

**Division** Public Safety

**Classification** Facilities

**Project Description**

Replace Burners with Cleaver Brooks

**Project Justification**

2 burners got replaced at some point with an after market product. The boilers are a proprietary piece of equipment. Therefore the burners need to be as well. The existing burners have the potential to ruin the boilers.

**5 Year Cost Summary**

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

**Funding Source**

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

**Other Funding Source Description**

**Operating Budget Impact**

We have spent over 12k replacing the cone portion of these burners. We also have the potential of needing to replace the boilers at a cost of 150k each..

**Project Title** ID 141340

Passenger Elevator at City Hall

**Recreation and Facilities**

**Division** City Hall

**Classification** Facilities

**Project Description**

Replace the ropes on the passenger elevator.

**Project Justification**

The passenger elevator is approaching the time when all of the cables need to be replaced. This is extensive work and would require the passenger elevator to be taken out of service during this process. This process happens rarely and most often the cables can be shortened and extend the life.

**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>
2016		\$100,000			<input checked="" type="checkbox"/>
2017		\$50,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$150,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 173673  
 Fire Station Exhaust Removal System Upgrade

**Fire Department**

**Division** Building Maintenance

**Classification** Equipment

**Project Description**

Upgrade current exhaust system to a magnetic system instead of air

**Project Justification**

The current system cost the department \$8000 to \$10,000 a year to maintain and requires air compressors to maintain pressure throughout air lines and on exhaust boots. All system parts require constant cost to maintain and replace.

The new magnetic system uses only magnetic connectors at the apparatus.

Cost of project involves replacing all connectors on all apparatus. Because of compatibility we need to change all apparatus at once.

**5 Year Cost Summary**

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

**Funding Source**

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2017		\$30,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$30,000			

**Other Funding Source Description**

**Operating Budget Impact**

\$8000.00 to \$10,000 annual maintenance savings

**Project Title** ID 173579

On going pile/pier work

**Recreation and Facilities**

**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>
		\$1,070,000		\$1,070,000

**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			<input type="checkbox"/>
2018		\$225,000			<input type="checkbox"/>
2019		\$225,000			<input type="checkbox"/>
2020		\$225,000			<input type="checkbox"/>
2021		\$225,000			<input type="checkbox"/>
<b>Total</b>		\$1,070,000			

**Other Funding Source Description**

**Operating Budget Impact**

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

**Project Title** ID 173581

POT - Pile engineering Survey

**Recreation and Facilities**

**Division** Waterfront

**Classification** Marine

**Project Description**

Review and catagorize condition of entire pier

**Project Justification**

Due to a potential client wanting to renovate the 30,000k sq ft of space on the second fl, he eluding that the pier was ready to collapse. A visual inspection was done in September 2015, there are signs of deterioration in 10-15% of the pier. However there are no signs of a catastrophic failure about to take place.

The pier is due for a full inspection and should be done as the City Manager wants to market the 2nd fl office space.

**5 Year Cost Summary**

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

**Funding Source**

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2017		\$150,000			<input type="checkbox"/>
2018		\$150,000			<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$300,000			

**Other Funding Source Description**

**Operating Budget Impact**

This space would generate 250-350k in revenue annually.

**Project Title** ID 152328  
 Compass Park Pier Stabilization/Maine State Pier

**Recreation and Facilities**

**Division** Waterfront  
**Classification** Marine

**Project Description**

Pier Stabilization

**Project Justification**

This pier got renovated approx 25yrs ago. The pier was evaluated in 2015. The results stated there were immediate needs to address before the concert season. The remaining work consists of sway bracing, pile caps, piles needing replacment by 2018..

This pier has crowds of upto 2500 people for a concert. Including vendors, stage, dressingrooms,etc. This pier needs to be addressed know that it's functions have changed.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$30,000		\$200,000		\$230,000

**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>
2016		\$30,000	\$30,000		<input checked="" type="checkbox"/>
2017		\$200,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$230,000	\$30,000		

**Other Funding Source Description**

Grant funds are available for the engineering as well as a portion of the construction costs. However the timing for these grants has passed due to the piers condition.

**Operating Budget Impact**

The city receives a per head fee for each show.

**Project Title** ID 141618  
 Peaks Island - Boiler Replacement/EMS/Masonry

**School Department**

**Division** School Maintenance

**Classification** Facilities

**Project Description**

Replace boiler, Install HVAC controls, Repoint masonry

**Project Justification**

Boiler- This unit is 50+ yrs old and extremely inefficient. Asbestos is falling off the boiler causing health concerns.

EMS- Install an energy management system(EMS) to reduce operating time on the equipment.

Masonry- The brick façade has not been touched in over 50+ years. The elements have worn the mortar joints out causing water to penetrate through the building.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$500,000		\$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>
2017		\$500,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$500,000			

**Other Funding Source Description**

**Operating Budget Impact**

Boiler- Reduces fuel consumption, reduces carbon footprint. Removes the health concerns.  
 EMS- Allows for run times to be reduced up to 25-35%. Reduces calls and transportation to the site.  
 Masonry- Reduces unnecessary repairs to walls, floors, ceilings.

**Project Title** ID 173286

Lyman Moore - Paving Drainage

**School Department**

**Division** School Maintenance

**Classification** Facilities

**Project Description**

Rebuild roadways and install proper drainage

**Project Justification**

This roadway was built with materials available at the time of construction. Steel drainage pipe was used at that time. This system has deteriorated overtime and caused multiple drainge issues and trip hazards throughout the campus. The project is being evaluated at this time for both a master plan and cost associated with it.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$800,000		\$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		\$400,000			<input type="checkbox"/>
2018		\$400,000			<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$800,000			

**Other Funding Source Description**

**Operating Budget Impact**

Funding has been allocated in a prior CIP (Lyman Moore Sports Complex). These projects can be done in conjunction with each other which will result in cost savings and the best long term solution.

**Project Title** ID 173285  
 Reiche Ramp Removal / New Entry / Elevator / Roof Repairs

**School Department**

**Division** School Maintenance

**Classification** Facilities

**Project Description**

Remove the decaying ramp on the Clark St side, replace with a new entrance including an elevator. Repair leaks in Reiche roof.

**Project Justification**

This ramp is original to the buildings construction. Due to water infiltration over the years the elements have gotten to the steel structure causing the steel to "Rust Jack". "Rust Jacking" causes the concrete to decay at a rapid pace. This ramp/access point is in danger of collapsing in the near future.

The ramp will be replaced with a more ADA friendly elevator. The new entry will be able to better separate the public access to Reiche from the school children access.

Finally, this funding will allow for the Facilities staff to engineer and make repairs to the leaking portions of the Reiche roof at a significantly lower cost than if a contractor were hired.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$800,000		\$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		\$800,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$800,000			

**Other Funding Source Description**

**Operating Budget Impact**

Being able to contract this prior to it becoming an emergency will cost 25% less.

**Project Title** ID 141613

Lincoln School - Masonry

**School Department**

**Division** School Maintenance

**Classification** Facilities

**Project Description**

Rehab/repaint brick.

**Project Justification**

To prevent water infiltration/interior deterioration/ mold etc. The exterior of this building has not had any attention for decades. Bricks are falling out in some of the upper courses. Evidence of water infiltration is apparent in many classrooms. Areas of the parking lot/playground are off limits due to the falling brick.

**5 Year Cost Summary**

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

**Funding Source**

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr. Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2015		\$500,000			<input checked="" type="checkbox"/>
2017		\$250,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$750,000			

**Other Funding Source Description**

**Operating Budget Impact**

Ceilings and floors continue to need replacing due to water damage

**Project Title** ID 173284

PATHS Fire Alarm Replacement

**School Department**

**Division** School Maintenance

**Classification** Facilities

**Project Description**

Replace fire alarm system

**Project Justification**

Fire alarm system is antiquated and no longer can be supported by today's technology

**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>
2017		\$225,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$225,000			

**Other Funding Source Description**

**Operating Budget Impact**

Numerous false alarms to the fire dept. We continue to add new parts to a system that needs to be replaced

**Project Title** ID 173287  
 CBHS - Engineering/ Construction for new entrance

**School Department**

**Division** School Maintenance

**Classification** Facilities

**Project Description**

Install a new entrance with stair tower.

**Project Justification**

A separate entrance allows for less confusion and better access to the school and gathering space for both students and the public.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$50,000		\$500,000		\$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>
2017		\$50,000			<input type="checkbox"/>
2018		\$500,000			<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$550,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 141745

Lincoln Park Walkways Repair

**Recreation and Facilities**

**Division** Parks

**Classification** Parks, Fields, Trails

**Project Description**

Repair the concrete walkways in Lincoln Park.

**Project Justification**

The walks are broken and in very poor condition. In many places bituminous has been used to fill holes in the concrete. There are many tripping hazards present and the poor walks significantly detract from the park. Due to the age of the original quote we have increased our cost estimate by \$15,000.

**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>
2017		\$250,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$250,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 173684  
 Lyman Moore Ballfields - Drainage Phase II

**Recreation and Facilities**

**Division** Athletic Facilities

**Classification** Parks, Fields, Trails

**Project Description**

Reconstruction of collapsed drainage system under ballfields.

**Project Justification**

**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>
2017		\$200,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$200,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 173705

Amythyst Lot Master Plan

**Recreation and Facilities**

**Division** Parks

**Classification** Parks, Fields, Trails

**Project Description**

The Amythyst Lot is an underutilized waterfront open space. This CIP project would lay the groundwork for turning the parking lot into a fantastic open space for all of Portland's residents and visitors to use.

**Project Justification**

**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>
2017		\$80,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$80,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 173683

Golf Course Rehab

**Recreation and Facilities**

**Division** Golf Course

**Classification** Parks, Fields, Trails

**Project Description**

Rehabilitation of greens, tee boxes.

**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>
2017		\$50,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$50,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 141283

Parking Meters Replacement

**Parking / Garages**

**Division** Administration

**Classification** Stationary Equipment

**Project Description**

Continue with the installation of multi space parking meters that accept credit and debit cards as well as coins, to replace the aging single space parking meters.

The Plan is

Phase 1 20 units - Completed

Phase 2 35 units - Completed

Phase 3 20 units - Completed

Phase 4 30 units - In Progress / Part of FY17 Request

2017-2019 complete the installation with mostly single space meters (up to 670)that accept credit cards, due to short blocks that make the placement of multi-space meters cost prohibitive.

**Project Justification**

The existing meters are coming close to the end of their useful lives. The new meters will provide, better customer service, by having a lower failure rate, instantly send us messages upon malfunction, and the ability to accept credit and debit cards. If meter rates should increase above current levels, it will be unrealistic to expect customers to have enough change in their pockets.

Revenues are expected to increase by 10% (which will be offset by added fees).

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$1,207,600	\$1,207,600

**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		\$300,000	\$315,000		<input checked="" type="checkbox"/>
2015		\$175,000	\$175,000		<input checked="" type="checkbox"/>
2017		\$131,250			<input type="checkbox"/>
2018		\$131,250			<input type="checkbox"/>
2019		\$177,550			<input type="checkbox"/>
2020		\$177,550			<input type="checkbox"/>
2021		\$100,000			<input type="checkbox"/>
<b>Total</b>		\$1,192,600	\$490,000		

**Other Funding Source Description**

**Operating Budget Impact**

It is expected that the revenue from each meter replaced will increase by an estimated 10%. However, the gain may be offset by added credit card processing fees and back office software cost.

**Project Title** ID 173200  
 Streetlights: Implement GPCOG LED Conversion

**Public Works**

**Division** Traffic

**Classification** Equipment

**Project Description**

This project is to implement the GPCOG LED Streetlight conversion.

**Project Justification**

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

Plan to convert street lights to LED

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$50,000			\$500,000	\$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>
2017		\$550,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$550,000			

**Other Funding Source Description**

**Operating Budget Impact**

Potential reduction in utility costs.

**Project Title** ID 141596  
 Virtualization, Storage and Redundancy Upgrade

**Information Technology**

**Division**

**Classification** Information Technology

**Project Description**

This Green initiative will increase energy efficiency by reducing the number of servers we rely on and operate. This is an IT best practice for backup and recovery and it will improve data protection, systems performance, 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 nine virtualized based machines. This is an effort to reduce the footprint of individual servers by logical grouping in an effort to decrease server hardware reliance, improve reliability, redundancy and scalability of applications and data, ease the A/C demands in the data center, therefore 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>
			\$260,000	\$260,000

**Funding Source**

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2015		\$65,000	\$65,000		<input checked="" type="checkbox"/>
2016		\$65,000	\$65,000		<input checked="" type="checkbox"/>
2017		\$75,000			<input type="checkbox"/>
2018		\$55,000			<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$260,000	\$130,000		

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 152485

Security Management System

**Information Technology**

**Division**

**Classification** Information Technology

**Project Description**

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

**Project Justification**

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

**5 Year Cost Summary**

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

**Funding Source**

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

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 173557

Food Service Truck

**School Department**

**Division** Transportation

**Classification** Vehicle - New (Not Replacement)

**Project Description**

**Project Justification**

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$89,000	\$89,000

**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		\$89,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$89,000			

**Other Funding Source Description**

**Operating Budget Impact**

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>
			\$1,860,000	\$1,860,000

**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			<input type="checkbox"/>
2018		\$266,000			<input type="checkbox"/>
2019		\$266,000			<input type="checkbox"/>
2020		\$266,000			<input type="checkbox"/>
2021		\$266,000			<input type="checkbox"/>
<b>Total</b>		\$2,128,000	\$690,000		

**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 141803

Medcu Ambulance Replacement - Fire

**Vehicle Maintenance**

Division Fire Department

Classification Vehicles

**Project Description**

Replace Medcu

**Project Justification**

Cost Estimate:

GM4500 Van and Box - \$215,000

Battery upgrade - \$500

IPD suspension - \$1,500

Inverter Alarm - \$500

Radio Equip - \$23,500

Headsets - \$2,000

Stretcher - \$14,000

Knox Med Safe \$1,250

MDB Dock - \$1,750

Misc Equip - \$5,000

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$2,305,000	\$2,305,000

**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		\$225,000	\$225,000		<input checked="" type="checkbox"/>
2014		\$225,000	\$225,000		<input checked="" type="checkbox"/>
2015		\$265,000	\$265,000		<input checked="" type="checkbox"/>
2016		\$265,000	\$265,000		<input checked="" type="checkbox"/>
2017		\$265,000			<input type="checkbox"/>
2018		\$530,000			<input type="checkbox"/>
2019		\$265,000			<input type="checkbox"/>
2020		\$265,000			<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$2,305,000	\$980,000		

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 173599  
Used Pickups for Various City Departments

**Vehicle Maintenance**

**Division** Public Services

**Classification** Vehicles

**Project Description**

There are a number of vehicles that have failed this year or are anticipated to fail next year. This request is to replace 8 failing pickups from various City departments with late model, used vehicles. The following vehicles will be replaced with this funding:

2025 - Solid Waste Supervisor - \$20000 (CIP ID163068)

2207 - Social Services - \$25000 (CIP ID 141323)

2070 - Facilities Director - \$20000 (CIP ID 141557)

2121 - Cemeteries - \$25000 (CIP ID 14957)

2012 - Ballfields - \$15000 (CIP ID 152128)

2143 - Ballfields - \$25000 (CIP ID 141097)

2085 - Expo - \$20000 (CIP ID 163052)

All the above CIP requestes have been moved to FY18 while this combined request is considered.

**Project Justification**

In order to replace a large number of failing vehicles it is recommended that the City purchase late model used vehicles. CIP requests for replacing the vehicles listed above with new totals \$237,000

**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>
2017		\$150,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$150,000			

**Other Funding Source Description**

**Operating Budget Impact**

Reduced capital expense through purchase of late model used.

**Project Title** ID 141000  
 TA Dump Truck Replacement - Districting 3095

**Vehicle Maintenance**

**Division** Public Services

**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 and used as a front line plow and on construction projects during the summer. 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>
			\$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>
2017		\$185,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$185,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 14927

Arrest Vehicle Replacement - Police

**Vehicle Maintenance**

**Division** Police Department

**Classification** Vehicles

**Project Description**

Replace Arrest Van \$76,500 - Ford F250 Chassis \$62,000; Watchguard \$6,000; Toughbook \$3,500; upfit electronics/lights \$5,000

Arrest Van \$49,500 - Ford F250 Chassis \$35,000 (box taken off oldest van and recycled); Watchguard \$6,000; Toughbook \$3,500; upfit electronics/lights \$5,000

**Project Justification**

Two arrest vans are in operation at all times. One acts as primary and the second as back-up. Operations depends on the need. This will be the 2nd pickup mounted arrest wagon to match the first purchased in 2010. Future replacements will not require the purchase of the arrest box as Fleet Services will re-install the box on new F250 chassis' reducing the future purchase costs.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$126,000	\$126,000

**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		\$76,500			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019		\$49,500			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$126,000			

**Other Funding Source Description**

**Operating Budget Impact**

Cost Estimate:

- F250 4wd, w/ arrest box and delivered upfitted - \$65,000
- Watchguard Video - (4 cameras) - \$7,000
- Misc computer equip - \$1,500
- Lettering and paint - \$1,500

**Project Title** ID 14962

Sidewalk Tractors Replacement

**Vehicle Maintenance**

**Division** Public Services

**Classification** Vehicles

**Project Description**

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

**Project Justification**

scheduld replacements

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$1,670,000	\$1,670,000

**Funding Source**

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2015		\$270,000	\$135,000		<input checked="" type="checkbox"/>
2017		\$280,000			<input type="checkbox"/>
2018		\$280,000			<input type="checkbox"/>
2019		\$280,000			<input type="checkbox"/>
2020		\$280,000			<input type="checkbox"/>
2021		\$280,000			<input type="checkbox"/>
<b>Total</b>		\$1,670,000	\$135,000		

**Other Funding Source Description**

**Operating Budget Impact**

Cost Estimate - based on prior Holder purchase

-Holder 4.80 w/ dump, sander ,vee plow, angle plow, snow blower, sweeper - \$145000

**Project Title** ID 173598

Refurbish 4 Plow Truck Bodies

**Vehicle Maintenance**

**Division** Public Services

**Classification** Vehicles

**Project Description**

Convert Public Works plow trucks 3034, 3109, 3113, 3115 to permanent mount sander plow trucks.

**Project Justification**

The trucks above all have significantly corroded bodies that are in need of replacement. Instead of requesting new trucks, DPW would be better served to convert these trucks to permanent mount sanders. All of the above trucks are over 15 years old but mechanically sound and can remain in the fleet for another 5+ years if the bodies are converted to permanent mount sanders.

**5 Year Cost Summary**

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

**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		\$160,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$160,000			

**Other Funding Source Description**

**Operating Budget Impact**

This would reduce capital purchases by extending the life of existing equipment instead of purchasing new. To replace these 4 trucks would cost \$660,000 vs the \$160,000 requested for refurbishment. CIP requests to replace these trucks are currently placed in FY18 and should be considered for FY17 if this request is not approved.

**Project Title** ID 14996  
 Wheel Loader Replacement - Winter 5093

**Vehicle Maintenance**

**Division** Public Services

**Classification** Vehicles

**Project Description**

1995 Wheel loader w/ plow gear

**Project Justification**

Current unit is a model year 1995 used as a front line street plow during the winter and on summer construction projects. A new unit will decrease down time and maintenance costs.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$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>
2017		\$210,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$210,000			

**Other Funding Source Description**

**Operating Budget Impact**

Cost Estimate - based on prior purchase of comparable wheel loaders

**Project Title** ID 14985  
 1 Ton Dump Truck Replacement - Districting 3084

**Vehicle Maintenance**

**Division** Public Services  
**Classification** Vehicles

**Project Description**

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

**Project Justification**

Current unit is a model year 1993 and used by Districting for light duty winter plowing and summer construction work. 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>
2017		\$60,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$60,000			

**Other Funding Source Description**

**Operating Budget Impact**

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

**Project Title** ID 14986  
 1 Ton Dump Truck Replacement - Districting 3085

**Vehicle Maintenance**

**Division** Public Services

**Classification** Vehicles

**Project Description**

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

**Project Justification**

Current unit is a model year 1993 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>
			\$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>
2017		\$60,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$60,000			

**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 tool box

**Project Title** ID 141118  
 1 Ton Dump Truck Replacement - Barron Center 3914

**Vehicle Maintenance**

**Division** Barron Center  
**Classification** Vehicles

**Project Description**

The project is to replace one 1-Ton dump truck 4X4 / w/ plow used for Barron Center operations.

**Project Justification**

Current truck is a 2003 used for plowing in Barron Center. The undercarriage, frame and sander are corroding due to winter operations.

**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>
2017		\$60,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$60,000			

**Other Funding Source Description**

**Operating Budget Impact**

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

**Project Title** ID 141186  
 1 Ton Truck Replacement - Playgrounds 3091

**Vehicle Maintenance**

**Division** Recreation and Facilities

**Classification** Vehicles

**Project Description**

1995 1 ton w/ plow - shared between Playgrounds (summer) and Forestry (winter)

**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>
			\$52,000	\$52,000

**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		\$52,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$52,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 141224  
 3/4 Ton Pickup Replacement - Districting 2184

**Vehicle Maintenance**

**Division** Public Services

**Classification** Vehicles

**Project Description**

2000 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>
			\$35,000	\$35,000

**Funding Source**

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

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 14935  
 Activities League Vehicle Replacement - Police

**Vehicle Maintenance**

**Division** Police Department

**Classification** Vehicles

**Project Description**

Replace the Police Activities League Vehicle (PAL) Van - 15 passenger van

**Project Justification**

Current PAL van is 16 years old. DPW supports replacement going forward every 10 years. PAL van is used in support of Community Policing Initiative Outreach Program as well as in support of Pal, Youth Services, and other community-based programs.

**5 Year Cost Summary**

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

**Funding Source**

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2017		\$30,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$30,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 163114

Medcu 15 Cliff Island

**Vehicle Maintenance**

**Division** Fire Department

**Classification** Vehicles

**Project Description**

1999 E450

**Project Justification**

There is a need for 4wd ambulance on the islands rather than the 2wd van based units used on the mainland. We are also challenged with maintenance cost by sending 7 year old units out to the islands because transportation cost and maintenance schedule are hard to manage. Lastly, todays diesel apparatus require emmissions controls that will be hard to manage on the islands therefore recommending the purchase of gas engines for these. The run volume and mileage makes this purchase a 20 year investment.

**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>
2017		\$150,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$150,000			

**Other Funding Source Description**

**Operating Budget Impact**

Savings on yearly transportation and maintenance cost.

**Project Title** ID 141225  
 3/4 Ton Pickup Replacement - Districting 2185

**Vehicle Maintenance**

**Division** Public Services

**Classification** Vehicles

**Project Description**

2000 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>
			\$35,000	\$35,000

**Funding Source**

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

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 14977  
 TA Dump Truck Replacement - Construction 3094

**Vehicle Maintenance**

**Division** Public Services

**Classification** Vehicles

**Project Description**

Tandem axle, 12 yard capacity, 55 GVW dump truck with plow gear, sander and calcium system

**Project Justification**

Current unit is a model year 1997 wheeler with plow gear and sander. Public Services uses the unit as a front line plow unit, snow removal 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>
			\$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>
2017		\$185,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$185,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 141223  
 3/4 Ton Pickup Replacement - Districting 2183

**Vehicle Maintenance**

**Division** Public Services

**Classification** Vehicles

**Project Description**

2000 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>
			\$35,000	\$35,000

**Funding Source**

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

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 141177  
 Wheel Loader Replacement - Public Services 5099

**Vehicle Maintenance**

**Division** Public Services  
**Classification** Vehicles

**Project Description**  
 1997 Loader w/ plow gear

**Project Justification**  
 scheduled replacement

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$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>
2017		\$210,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$210,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 152177

Tractor Replacement - Ballfields 7138

**Vehicle Maintenance**

**Division** Recreation and Facilities

**Classification** Vehicles

**Project Description**

1993 John Deere 970

**Project Justification**

Existing unit is aged and unreliable

**5 Year Cost Summary**

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

**Funding Source**

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2017		\$55,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$55,000			

**Other Funding Source Description**

**Operating Budget Impact**

Reduced maintenance cost

**Project Title** ID 14938  
 Patrol Supervisor Vehicle Replacement - Police

**Vehicle Maintenance**

**Division** Police Department

**Classification** Vehicles

**Project Description**

Replace marked supervisor SUVs @ \$39,500 ( \$27,000 each plus upfit of \$3,000, storage unit at \$2,500, Watchguard unit at \$5,100 each, computer stand/modem at \$1,400 each . ) Note: Toughbook replacement not included in upfit costs. Vehicles designated to be AWD Ford Interceptor SUVs.

**Project Justification**

DPW recommends replacement of 1 marked police supervisor vehicle every year.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$197,500	\$197,500

**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>
2017		\$39,500			<input type="checkbox"/>
2018		\$39,500			<input type="checkbox"/>
2019		\$39,500			<input type="checkbox"/>
2020		\$39,500			<input type="checkbox"/>
2021		\$39,500			<input type="checkbox"/>
<b>Total</b>		\$197,500			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 163004  
 Replace box truck 4903 - School Maintenance

**Vehicle Maintenance**

**Division** Recreation and Facilities

**Classification** Vehicles

**Project Description**

2000 Fuso Box 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>
			\$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>
2017		\$50,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$50,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 152246

Litter Vac Replacement - PDD

**Vehicle Maintenance**

**Division** Public Services

**Classification** Vehicles

**Project Description**

Litter vac for PDD area

**Project Justification**

PDD currently uses a vacuum attachment on a sidewalk tractor for litter vacuuming of sidewalks. The attachment does not have sufficient suction to do a good job. A self contained litter vac is requested

**5 Year Cost Summary**

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

**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		\$75,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$75,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 163113

Medcu 13 Great Diamond Island

**Vehicle Maintenance**

**Division** Fire Department

**Classification** Vehicles

**Project Description**

1999 E450

**Project Justification**

There is a need for 4wd ambulances on the islands rather than the 2wd van base units used on the mainland. There is also a need to address the transportation and maintenance cost of sending 7 year old ambulances to the islands. We are also challenged with the new diesel motor emissions that will be hard to manage on the islands leaving us the choice to go to gas motor. Lastly, call volume and lack of miles make this purchase a 20 year investment vs rotating unusable trucks out to the islands evry few years.

**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>
2017		\$150,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$150,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 141290  
 Temple St. Parking Garage Cond. Appraisal Rprs Concrete & Joints

**Parking / Garages**

**Division** Temple Street Garage

**Classification** Facilities

**Project Description**

Overhead concrete repairs & Joint repairs at Grids 7 & 11 on roof

**Project Justification**

Recommended repairs noted in Becker condition appraisal report. This report included a detailed plan for annual maintenance and repairs at the Temple Street Garage

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$230,000		\$230,000

**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		\$230,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$230,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 173642  
 Ticket Dispenser and Register at Elm Street Parking Garage

**Parking / Garages**

**Division** Elm Street Garage

**Classification** Equipment

**Project Description**

Replace outdated equipment

**Project Justification**

Existing dispenser is from 1999 expected life was 10 years. Project was intended to be funded in 2016 but funding was reallocated for additional dispensers / software at Spring Street garage.

**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>
2017		\$25,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$25,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 141337

Air condition conference rooms

**Recreation and Facilities**

**Division** Exposition Building

**Classification** Facilities

**Project Description**

Install AC in 2 small conference rooms. Charles Sanders Room, 2 nd fl conference rm.

**Project Justification**

These conference rooms are frequently used. Adding AC will give them more opportunity to be used.

**5 Year Cost Summary**

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

**Funding Source**

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2017		\$30,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$30,000			

**Other Funding Source Description**

**Operating Budget Impact**

Provide proper units to cool these spaces that are not equipt with duct work. It will be less strain on the system and energy use.

**Project Title** ID 173651

Vulcan Steamer

**Barron Center**

**Division** Nutrition

**Classification** Equipment

**Project Description**

This is a Vulcan 10 Pan Deluxe Steamer for the Cafeteria.

**Project Justification**

The repairs are getting costly for our existing steamer. We have expended over \$3,500 in FY17 already for repairs. It is a 2007 model and we may be able to get some trade in allowance.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$14,900	\$14,900

**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		\$14,900			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$14,900			

**Other Funding Source Description**

Possible Trade in allowance

**Operating Budget Impact**

**Project Title** ID 141117  
 Laundry Box Truck Replacement - Barron Center 3912

**Vehicle Maintenance**

**Division** Barron Center  
**Classification** Vehicles

**Project Description**

Replace box truck for Barron Center Laundry

**Project Justification**

Both box trucks are 1998 vehicles. Maintenance costs are high. Both the trucks are unreliable. Of the two trucks only one is regularly operational. Recommend replacing with used.

**5 Year Cost Summary**

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

**Funding Source**

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2017		\$30,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$30,000			

**Other Funding Source Description**

**Operating Budget Impact**

Replacing the box trucks will reduce operating costs from lower maintenance costs.

**Project Title** ID 152196  
 Rotary Trim Mower Replacement - Golf Course

**Vehicle Maintenance**

**Division** Recreation and Facilities

**Classification** Vehicles

**Project Description**

Replace trim mower

**Project Justification**

Existing unit has over 7000 hours and is no longer reliable

**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>
2017		\$45,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$45,000			

**Other Funding Source Description**

**Operating Budget Impact**

Reduced maintenance cost

**Project Title** ID 141171  
 Pot Hole Patcher Replacement - Districting 5104

**Vehicle Maintenance**

**Division** Public Services

**Classification** Vehicles

**Project Description**

1998 pot hole patcher

**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>
2017		\$40,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$40,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 163032

Tractor -PDD - 7159

**Vehicle Maintenance**

**Division** Public Services

**Classification** Vehicles

**Project Description**

Replace John Deere diesel garden tractor w/ plow, blower, mower deck, and cab

**Project Justification**

Existing unit is model 2000 and failing. Unit is used for small area mowing and narrow sidewalk clearing

**5 Year Cost Summary**

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

**Funding Source**

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2017		\$20,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$20,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 141122  
 Kitchen Box Truck Replacement- Barron Center 3913

**Vehicle Maintenance**

**Division** Barron Center  
**Classification** Vehicles

**Project Description**

Replace box truck for Barron Cener Kitchen

**Project Justification**

Both box trucks are 1998 vehicles. Maintenance costs are high. Both the trucks are unreliable. Of the two trucks only one is regularly operational. Recommend replacing with used.

**5 Year Cost Summary**

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

**Funding Source**

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2017		\$30,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$30,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 141120  
 Patient Transport Van Replacement - Barron Center 3901

**Vehicle Maintenance**

**Division** Barron Center  
**Classification** Vehicles

**Project Description**

Replace one van used for patient transport

**Project Justification**

Current van is a 2001. Scheduled replacement.

**5 Year Cost Summary**

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

**Funding Source**

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

**Other Funding Source Description**

**Operating Budget Impact**

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

**Project Title** ID 173569  
 Merrill- Flooring/Seating/Painting Replacement

**Recreation and Facilities**

**Division** Merrill Auditorium

**Classification** Facilities

**Project Description**

Replace flooring/seats and backs/paint ceiling

**Project Justification**

The material used is similar to linoluem. The product has been very good and passed it's life expediency of 12-15 yrs. It's starting to show signs of ware in some locations that will potentially become a hole causing trip hazards for folks wearing heels.

Seat cushions are failing beyond repair.

**5 Year Cost Summary**

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

**Funding Source**

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2017		\$100,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019		\$100,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021		\$100,000			<input type="checkbox"/>
<b>Total</b>		\$300,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 173654

Fire Alarm System

**Barron Center**

**Division** Facilities

**Classification** Equipment

**Project Description**

The fire alarm system at Barron Center 1 needs to be replaced

**Project Justification**

The system is over 30 years old. It has become close to impossible to find replacement parts and protection professional are hesitant to work on it at times. If the system ceases to function we would be reported to the State Fire Marshalls office. We have been having issues for several years. It is also an issue with CMS (Center for Medicare) and could prevent us from passing their inspection.

**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>
2017		\$100,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$100,000			

**Other Funding Source Description**

**Operating Budget Impact**

An annual inspection fee of \$975

**Project Title** ID 173669

Day Room Furniture

**Barron Center**

**Division** Facilities

**Classification** Equipment

**Project Description**

Almost all for the furniture in the Day Room in BC2 needs to be replaced.

**Project Justification**

The furniture is breaking and cannot be repaired. The existing furniture is cloth and has become difficult to clean and presents a hygiene issue. We are looking at replacing it with vinyl. This funding would provide for the replacement of 100 chairs.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$23,802	\$23,802

**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		\$23,802			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$23,802			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 173555

Two 14 Passenger Buses

**School Department**

**Division** Transportation

**Classification** Vehicle - New (Not Replacement)

**Project Description**

**Project Justification**

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$86,000	\$86,000

**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		\$86,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$86,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 173556

Replacement School Bus

**School Department**

**Division** Transportation

**Classification** Vehicles

**Project Description**

**Project Justification**

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$402,000	\$402,000

**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		\$88,000			<input type="checkbox"/>
2018		\$164,000			<input type="checkbox"/>
2019		\$150,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$402,000			

**Other Funding Source Description**

**Operating Budget Impact**

CITY MANAGER RECOMMENDED CAPITAL IMPROVEMENT PLAN FY17 - FY21			2017	2018	2019	2020	2021
Classification	Department	Title	2017	2018	2019	2020	2021
<b>CITY MANAGER</b>							
Parks, Fields,	Recreation and Facilities	Amythyst Lot Master Plan	80,000				
<b>PARKING DIVISION SUBMISSIONS</b>							
Facilities	Parking / Garages	Roof Deck at Spring Street Parking Garage - Phase II	700,000				
Equipment	Parking / Garages	Parking Meters Replacement	131,250	131,250	177,550	177,550	118,367
Facilities	Parking / Garages	Temple St Parking Garage Cond. Appraisal - Annual		240,000	290,000	185,000	185,000
Facilities	Parking / Garages	Sealants and Waterproofing at Elm Street Garage			475,000		
Facilities	Parking / Garages	Waterproof Decking Recoat at Spring St Garage		250,000			
Facilities	Parking / Garages	Repaint Steel at Spring Street Garage		200,000			
<b>REC / FACILITIES / SCHOOL / PARKS SUBMISSIONS</b>							
Facilities	Recreation and Facilities	Peaks Island Library	250,000				
Facilities	Recreation and Facilities	Public Safety Burner Replacement - PD	70,000				
Facilities	Recreation and Facilities	Emergency Egress at Exposition Building		170,000			
Facilities	Recreation and Facilities	Passenger Elevator at City Hall	50,000				
Facilities	Recreation and Facilities	Structural Repairs/Door Frame replacement - Hadlock	190,000				
Facilities	Recreation and Facilities	Masonry and Windows at Cummings Center		100,000			
Facilities	Recreation and Facilities	Generator for City Hall			30,000		
Sidewalks	Recreation and Facilities	Sidewalks at Exposition Building Entrance		100,000			
Sidewalks	Recreation and Facilities	Merrill Myrtle Street Sidewalk		150,000			
Facilities	Recreation and Facilities	212 Canco Rd Fit-Out	200,000				
Facilities	Recreation and Facilities	Exterior Masonry at Exposition Building		150,000	150,000		
Facilities	Recreation and Facilities	Roof Replacement Exposition Building			30,000	325,000	
Facilities	Recreation and Facilities	Copper Roof at City Hall			750,000	750,000	
Facilities	Recreation and Facilities	Replace exterior doors and windows				350,000	
Facilities	Recreation and Facilities	Windows at Public Safety		225,000	225,000		
Facilities	Recreation and Facilities	Three Air Handling Units at Public Safety			250,000		
Facilities	Recreation and Facilities	Mortar Repointing at 55 Portland St					
Facilities	Recreation and Facilities	Generator for 55 Portland St				100,000	
Facilities	Recreation and Facilities	Flooring Replacement at Merrill Auditorium					
Facilities	Recreation and Facilities	A/C Installation		75,000	200,000	200,000	
Facilities	Recreation and Facilities	Concession Stand Renovation		30,000	150,000		
Facilities	Recreation and Facilities	250 Canco Phase 2		250,000	3,750,000	4,000,000	
Facilities	Recreation and Facilities	55 Portland St Master Plan/Rehab		250,000	400,000		
Facilities	Recreation and Facilities	Replace sewer main in tunnel					
Facilities	Recreation and Facilities	New Stage & Stage Barricade and Exposition Building				150,000	
Facilities	Recreation and Facilities	Golf Course Building Maintenance				200,000	
Facilities	Recreation and Facilities	Hadlock Concourse Stair Stringers			100,000		
Facilities	Recreation and Facilities	Hadlock Lighting Upgrades					

GeneralFund

Facilities	Recreation and Facilities	Merrill Roof Replacement				250,000	
Facilities	Recreation and Facilities	Replace Concrete Steps at entrance		150,000			
Facilities	Recreation and Facilities	Public Safety Master Plan/Rehab Engineering			100,000		
Facilities	Recreation and Facilities	Public safety Repoint/Waterproof					
Facilities	Recreation and Facilities	replace Gym Floor at Riverton		200,000			
Facilities	Recreation and Facilities	250 Canco Roof Replacement					
Facilities	Recreation and Facilities	Deering Oaks Restroom Facility					
Facilities	Recreation and Facilities	Replace Arena Air Handlers			300,000		
Facilities	Recreation and Facilities	Boiler Replacement					
Facilities	School Department	CBHS - Engineering/ Construction for new entrance	50,000	500,000			
Facilities	School Department	Peaks Island - Boiler Replacement/EMS/Masonry	500,000				
Facilities	School Department	Lyman Moore - Paving Drainage	400,000	400,000			
Facilities	School Department	Lincoln School - Masonry	250,000				
Facilities	School Department	DHS -Windows		750,000			
Facilities	School Department	PATHS Fire Alarm Replacement	200,000				
Facilities	School Department	Reiche Ramp Removal, Elevator, New Entryway, Roof Repairs	800,000				
Facilities	School Department	DHS- Install New Sprinkler System			450,000		
Facilities	School Department	Riverton - A/C				50,000	
Facilities	School Department	DHS - Air Handling Units				100,000	
Facilities	School Department	Riverton School - Masonry			100,000		100,000
Facilities	School Department	Pave Multiple School Campuses		500,000	250,000	250,000	
Facilities	School Department	PHS - Roof Replacement/Engineering			50,000	750,000	750,000
Facilities	School Department	DHS - Site Drainage		20,000	200,000		
Facilities	School Department	PHS -Windows		250,000	250,000	250,000	
Facilities	School Department	DHS - Ceilings				150,000	
Facilities	School Department	PHS - Engineering/ Electrical Upgrades			30,000	150,000	
Facilities	School Department	PHS - Rehabilitate Terazzo Floors				75,000	
Facilities	School Department	Lincoln School - Corridor Floors & Lockers			250,000		
Facilities	School Department	PATHS- Boiler Replacement		460,000			
Facilities	School Department	Reiche - Roof Replacement/Engineering	0	0			
Facilities	School Department	PHS - Boiler Room Abatement		50,000			
Facilities	School Department	Paths - Technology Upgrades		200,000			
Facilities	School Department	DHS - Electrical Switchgear Replacement		300,000			
Facilities	School Department	PHS - Replace Retaining Wall and Iron Railings		150,000			
Facilities	School Department	DHS - Replace Fire Alarm			50,000	250,000	
Facilities	School Department	Lyman Moore - Fire Alarm replacement Engineering		20,000	200,000		
Facilities	School Department	Paths - Freight Elevator at Stair 2/Engineering			250,000		
Facilities	School Department	Paths - Window Replacement			300,000		
Facilities	School Department	DHS - Roof Replacement/Engineering				50,000	750,000
Facilities	School Department	PHS - Floor Repairs				140,000	
Facilities	School Department	DHS - Engineering/ Masonry Restoration				300,000	300,000

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Facilities	School Department	King - Gym floor						75,000
Facilities	School Department	Lincoln - HVAC Rooftop Units						100,000
Facilities	School Department	Peaks - Technology Upgrade/Fire Alarm						100,000
Facilities	School Department	PHS - Auditorium Renovations						100,000
Facilities	School Department	PHS - New Gym Floor						125,000
Facilities	School Department	PHS - HVAC Rooftop Units						150,000
Facilities	School Department	Peaks Island School - Interior Renovations						200,000
Facilities	School Department	King - Replace Fire Alarm/Engineering						100,000
Facilities	School Department	Lyman Moore - Leighting/Ceiling Replacement						250,000
Facilities	School Department	DHS - Auditorium Replacement						250,000
Facilities	School Department	PHS - Masonry						400,000
Marine	Recreation and Facilities	On going pile/pier work	170,000	225,000	225,000	225,000	225,000	225,000
Marine	Recreation and Facilities	POT - Pile engineering Survey	112,500	150,000				
Marine	Recreation and Facilities	Compass Park Pier Stabilization/Maine State Pier	200,000					
Marine	Recreation and Facilities	POT/OG/ Compass Park Concrete Pier Deck repairs						
Marine	Recreation and Facilities	OG Walkway Painting				75,000		
Marine	Recreation and Facilities	Mega Berth Terminal Structural Painting				50,000		
Marine	Recreation and Facilities	Replace OG Plaza Sidewalk					250,000	
Marine	Recreation and Facilities	P.O.T Rail Removal		75,000				
Marine	Recreation and Facilities	Capstans at Portland Ocean Terminal						
Marine	Recreation and Facilities	Floats at Cushing, Maine State Pier, east end Beach, Peaks				100,000		
Marine	Recreation and Facilities	Bollard/ Bit Replacement				75,000		
Parks, Fields,	Recreation and Facilities	Lincoln Park Walkways Repair	250,000					
Parks, Fields,	Recreation and Facilities	Lyman Moore Ballfields - Drainage Phase II	200,000					
Parks, Fields,	Recreation and Facilities	Golf Course Rehab	50,000	150,000	100,000	100,000	100,000	100,000
Parks, Fields,	Recreation and Facilities	Dougherty Field Construct Football Field		250,000				
Parks, Fields,	Recreation and Facilities	Lincoln Park Fence Repair		224,000				
Parks, Fields,	Recreation and Facilities	Playground at Riverton School				250,000		
Parks, Fields,	Recreation and Facilities	Softball Field at Riverton School				75,000		
Parks, Fields,	Recreation and Facilities	Reiche School Playground				250,000		
<b>BARRON CENTER SUBMISSIONS</b>								
Equipment	Barron Center	Hydronic Heater Units and Pumps						
Equipment	Barron Center	Patient Medical Records and WiFi			136,710			
Streets/Sidewalk	Barron Center	Parking Lots and Roadway			213,000			
Equipment	Barron Center	Vulcan Deluxe Gas Convection Oven				12,100		
Equipment	Barron Center	Replace Patient Call System			89,792			
<b>POLICE DEPARTMENT SUBMISSIONS</b>								
Vehicles	Vehicle Maintenance	Police Cruisers (4) Replacement - Police	152,000	160,000	160,000	160,000	160,000	160,000
Equipment	Police Department	Gel Scan Digital Evidence Device		67,553				
Facilities	Police Department	Elevator Replacement - Police Department	200,000					

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Facilities	Police Department	Traffic Control Device		10,000				
<b>FIRE DEPARTMENT SUBMISSIONS</b>								
Vehicles	Vehicle Maintenance	Squad 301 Rescue Pumper		850,000				
Vehicles	Vehicle Maintenance	E311 Replacment			750,000			
Vehicles	Vehicle Maintenance	Medcu Ambulance Replacement - Fire	220,500	265,000	265,000		265,000	
Facilities	Fire Department	Roof at East Deering Fire Station						90,000
Facilities	Fire Department	Central Fire Station Exterior Masonry						110,000
Facilities	Fire Department	Fire Station Paving Projects						90,000
Facilities	Fire Department	Conversion of Boilers to Natural Gas at 4 Fire Stations						80,000
Facilities	Fire Department	Ocean Avenue Fire Station Repairs						75,000
Facilities	Fire Department	Overhead Door at Peaks Island Station Replacement						60,000
Facilities	Fire Department	Munjoy Station Window/Overhead Door Replacement						40,000
Equipment	Fire Department	Fire Station Exhaust Removal System Upgrade	30,000					
<b>IT DEPARTMENT SUBMISSIONS</b>								
Information Te	Information Technology	Phone System Upgrade		200,000				
Information Te	Information Technology	Virtualization, Storage and Redundancy Upgrade	75,000	55,000				
Information Te	Information Technology	Security Management System	35,000					
<b>PLANNING AND URBAN DEVELOPMENT SUBMISSIONS</b>								
Equipment	Planning & Urban Develop	Peninsula Wayfinding Program		400,000				
Parks, Fields,	Planning & Urban Develop	Congress Square Re-Design Phase I						
Facilities	Planning & Urban Develop	Stairs and Improvements on Plum Street Alley		105,000				
Equipment	Planning & Urban Develop	Streetlighting along Fore Street		43,500				
Equipment	Planning & Urban Develop	Streetlighting on Commercial Street		100,000	571,780			
Equipment	Planning & Urban Develop	Streetlighting on Commercial Street		50,000	285,890			
Transportation	Planning & Urban Develop	Congress Square Intersection Redesign (Phase II)			2,500,000			
<b>PUBLIC WORKS SUBMISSIONS</b>								
Facilities	Public Works	Public Services Operations and Maintenance Facility		1,120,000	10,950,000			
Streets/Sidew	Public Works	PACTS Danforth St Paving	86,000					
Streets/Sidew	Public Works	MaineDOT Arterial Paving Riverside St - utility system costs	102,000					
Streets/Sidew	Public Works	Railroad Quiet Zone Improvements	800,000	400,000	400,000	400,000	400,000	400,000
Streets/Sidew	Public Works	PACTS TIP Collector Paving (Multiple Locations) - 25% Local Match		500,000	500,000			
Streets/Sidew	Public Works	Paving Preservation and Rehabilitation	2,900,000	2,000,000	2,000,000	2,000,000	2,000,000	
Sidewalks	Public Works	Sidewalk Rehabilitation/Accessibility	500,000	500,000	500,000	500,000	500,000	

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Transportation	Public Works	PACTS 16/18 TIP Intersection Project - Brighton-Deering-Falmouth (USM Roundabouts)		717,200				
Equipment	Public Works	PACTS Regional Transportation Management Systems (RTMS) - Traffic Signals	222,000	100,000	100,000	100,000		
Streets/Sidewalks	Public Works	Municipal Partnership Initiative (MPI) Paving Program	465,750	500,000	500,000	500,000		
Equipment	Public Works	Traffic Signal Work in Support of Paving Programs	150,000	100,000	100,000	100,000		
Equipment	Public Works	Traffic Signals at Various Locations	200,000	200,000	400,000	400,000		
Sidewalks	Public Works	Monument Square ADA Improvements	100,000					
Sidewalks	Public Works	Monument Square Condition Improvements			900,000			
Streets/Sidewalks	Public Works	CSO Compliance - SRF Ineligibles	400,000	400,000	400,000	400,000		
Sidewalks	Public Works	City Hall Plaza Rehabilitation & Sidewalk/ADA Curb Accessibility			250,000			
Streets/Sidewalks	Public Works	PACTS TIP Intersections Category - 25% Local Match		200,000	500,000			
Transportation	Public Works	PACTS TIP Bike/Ped Category & MaineDOT Multi-Modal programs: Pathway Network - Local Share is 25%		50,000	62,500	250,000	250,000	
Streets/Sidewalks	Public Works	PACTS TIP Road Rebuild Category - 25% Local Match		125,000	250,000			
Streets/Sidewalks	Public Works	One City Center - Shared cost sidewalk	28,000					
Equipment	Public Works	Streetlights: Implement GPCOG LED Conversion	100,000	450,000				
Transportation	Public Works	Congress Street Bus Corridor Phase II						410,000
Streets/Sidewalks	Public Works	Durable Pavement Markings: Paving Program Support		300,000	400,000	400,000	400,000	
Transportation	Public Works	Bikeway Network: Arterial/Collector and Neighborhood Byway Networks		40,000	60,000	60,000	60,000	
Equipment	Public Works	Deering Oaks Lighting		110,000				
Facilities	Public Works	Salt Storage		16,000				
Facilities	Public Works	Solar Power Enhancements		50,000	150,000			
Facilities	Public Works	Thames Street Extension - Engineering	50,000					

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Parks, Fields,	Recreation and Facilities	Evergreen Cemetery Columbarium			65,000		
Parks, Fields,	Public Works	Repair Retaining Wall @ 211 Valley		135,000			
Streets/Sidew	Public Works	Street Reconstruction Mountfort St		814,000			
Streets/Sidew	Public Works	Street Reconstruction Cottage St		275,000			
Streets/Sidew	Public Works	Street Reconstruction Rowe Ave		1,276,000			
Streets/Sidew	Public Works	Street Reconstruction Woodford St			990,000		
Streets/Sidew	Public Works	Street Reconstruction Munjoy St			1,081,000		
Streets/Sidew	Public Works	Street Reconstruction Vesper St			1,005,000		
Streets/Sidew	Public Works	Street Reconstruction Riverside Industrial Parkway				3,773,000	
Streets/Sidew	Public Works	Street Reconstruction Mabel St		1,032,000			
Streets/Sidew	Public Works	Street Reconstruction Alba St		1,002,000			
Streets/Sidew	Public Works	Street Reconstruction Morning St			1,088,000		
Streets/Sidew	Public Works	Street Reconstruction Donald St					
Streets/Sidew	Public Works	PACTS Veranda St Paving		202,000			
<b>Fleet Vehicles - Separately Ranked by Fleet Services</b>							
Vehicles	Vehicle Maintenance	Sidewalk Tractors Replacement	280,000	280,000	280,000	280,000	
Vehicles	Vehicle Maintenance	Used Pickups for Various City Departments	150,000				
Vehicles	Vehicle Maintenance	Refurbish 4 Plow Truck Bodies	160,000				
Vehicles	Vehicle Maintenance	TA Dump Truck Replacement - Districting 3095	185,000				
Vehicles	Vehicle Maintenance	Wheel Loader Replacement - Winter 5093	210,000				
Vehicles	Vehicle Maintenance	Arrest Vehicle Replacement - Police	76,500		49,500		
Vehicles	Vehicle Maintenance	1 Ton Dump Truck Replacement - Districting 3084	60,000				
Vehicles	Vehicle Maintenance	1 Ton Dump Truck Replacement - Districting 3085	60,000				
Vehicle - New	School Department	Food Service Truck	89,000				
Vehicles	Vehicle Maintenance	1 Ton Dump Truck Replacement - Barron Center 3914	60,000				
Vehicles	Vehicle Maintenance	1 Ton Truck Replacement - Playgrounds 3091	52,000				
Vehicles	Vehicle Maintenance	3/4 Ton Pickup Replacement - Districting 2184	35,000				
Vehicles	Vehicle Maintenance	Activities League Vehicle Replacement - Police	30,000				
Vehicles	Vehicle Maintenance	Medcu 15 Cliff Island	126,000				
Vehicles	Vehicle Maintenance	3/4 Ton Pickup Replacement - Districting 2185	35,000				
Vehicles	Vehicle Maintenance	TA Dump Truck Replacement - Winter 3094	185,000				
Vehicles	Vehicle Maintenance	3/4 Ton Pickup Replacement - Districting 2183	35,000				
Vehicles	Vehicle Maintenance	Wheel Loader Replacement - Public Services 5099	210,000				
Vehicles	Vehicle Maintenance	Tractor Replacement - Ballfields 7138	55,000				
Vehicles	Vehicle Maintenance	Patrol Supervisor Vehicle Replacement - Police	39,500	39,500	39,500	39,500	
Vehicles	Vehicle Maintenance	Litter Vac Replacement - PDD	75,000				
Vehicles	Vehicle Maintenance	Medcu 13 Great Diamond Island	126,000				
Vehicles	Vehicle Maintenance	3/4 Ton Pickup Replacement - Barron Center 3908		35,000			
Vehicles	Vehicle Maintenance	Box Truck Replacement - Solid Waste 3108		20,000			
Vehicles	Vehicle Maintenance	Wheel Loader Replacement - Public Services 5101		195,000			
Vehicles	Vehicle Maintenance	Pulp Loader Replacement - Forestry 5097		190,000			
Vehicles	Vehicle Maintenance	Pavement Roller Replacement - Districting 5087		15,000			

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Vehicles	Vehicle Maintenance	Pot Hole Patcher Replacement - Districting 5103		40,000		
Vehicles	Vehicle Maintenance	Replace box truck 4903 - School Maintenance	50,000			
Vehicle - New	Vehicle Maintenance	Additional Turf Tractor / Mower Islands		95,000		
Vehicles	Vehicle Maintenance	1/4 Pickup Replacement - Engineering 2018		25,000		
Vehicles	Vehicle Maintenance	Mower Replacement - Districting 7158		60,000		
Vehicles	Vehicle Maintenance	Mower Replacement - Districting 7162		50,000		
Vehicles	Vehicle Maintenance	Backhoe Replacement - Districting 5085		90,000		
Vehicles	Vehicle Maintenance	Criminal Investigation Division Vehicles Replacement - Police		68,000	68,000	68,000
Vehicles	Vehicle Maintenance	Special Reaction Team Vehicle Replacement - Police			36,000	
Vehicles	Vehicle Maintenance	Replace Police Admin Vehicles		70,000	35,000	
Vehicles	Vehicle Maintenance	Animal Control Officer Van Replacement - Police		27,500		
Vehicles	Vehicle Maintenance	TA Dump Truck Replacement - Construction 3093		185,000		
Vehicles	Vehicle Maintenance	Rubbish Packer Replacement		530,000	265,000	265,000
Vehicles	Vehicle Maintenance	Mower Replacement - Districting 7155		75,000		
Vehicles	Vehicle Maintenance	1 Ton Dump Truck Replacement - Districting 3101		60,000		
Vehicles	Vehicle Maintenance	Mower Replacement - Districting 7156		75,000		
Vehicles	Vehicle Maintenance	1 Ton Dump Truck Replacement - Districting 3103		60,000		
Vehicles	Vehicle Maintenance	1 Ton Dump Truck Replacement - Districting 3105		60,000		
Vehicles	Vehicle Maintenance	1 Ton Dump Truck Replacement - Districting 3106		60,000		
Vehicles	Vehicle Maintenance	TA Dump Truck Replacement - Districting 3096		185,000		
Vehicles	Vehicle Maintenance	TA Dump Truck Replacement - Districting 3097		185,000		
Vehicles	Vehicle Maintenance	TA Dump Truck Replacement - Construction 3098		185,000		
Vehicles	Vehicle Maintenance	Backhoe Replacement - Districting 5031		90,000		
Vehicles	Vehicle Maintenance	1 Ton Truck Replacement - Ballfields 3104		52,000		
Vehicles	Vehicle Maintenance	15-Passanger Van Replacement - Recreation 2194		60,000		
Vehicles	Vehicle Maintenance	Tool Cat Replacement - Ballfields 5002		75,000		
Vehicles	Vehicle Maintenance	Pick-up Replacement - Ballfields 2143		35,000		
Vehicles	Vehicle Maintenance	3/4 Ton Pickup Replacement - Districting 2128		35,000		
Vehicles	Vehicle Maintenance	3/4 Ton Pickup Replacement - Districting 2129		35,000		
Vehicles	Vehicle Maintenance	3/4 Ton Pickup Replacement - Districting 2130		35,000		
Vehicles	Vehicle Maintenance	Rubbish Packer Replacement - Peaks 4060		160,000		
Vehicles	Vehicle Maintenance	Rolloff Truck Replacement - Peaks 4037		145,000		
Vehicles	Vehicle Maintenance	Snow Blower Replacement - Winter 7116		125,000		
Vehicles	Vehicle Maintenance	Car Carrier Replacement - Fleet 3082		30,000		
Vehicles	Vehicle Maintenance	1 Ton Wrecker Replacement - Fleet 2501		115,000		
Vehicles	Vehicle Maintenance	3/4 Ton Pickup Replacement - Barron Center 3915		35,000		
Vehicles	Vehicle Maintenance	1/2 Ton Pickup Replacement - Social Services 2207		35,000		
Vehicles	Vehicle Maintenance	1/2 Ton Pickup Replacement - Trades 2003		25,000		
Vehicles	Vehicle Maintenance	3/4 Ton Pickup Replacement - Trades - 2004		35,000		
Vehicles	Vehicle Maintenance	1/2 Ton Pickup Replacement - Trades 2005		25,000		
Vehicles	Vehicle Maintenance	3/4 Ton Utility Van Replacement - Trades 2006		30,000		
Vehicles	Vehicle Maintenance	1/2 Ton Pickup Replacement - Trades 2042				25,000
Vehicles	Vehicle Maintenance	Ladder 4 Replacement - Fire		1,500,000		
Vehicles	Vehicle Maintenance	Car 4 Replacement - Fire 0216		51,000		

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Vehicles	Vehicle Maintenance	Car 1 Replacement - Fire 0224			51,000		
Vehicles	Vehicle Maintenance	Car 2 Replacement - Fire 0223			50,000		
Vehicles	Vehicle Maintenance	Car 7 Replacement - Fire		50,000			
Vehicles	Vehicle Maintenance	Staff Car Replacement - Fire		40,000			
Vehicles	Vehicle Maintenance	Car 9 Replacement - Fire 0277		17,500			
Vehicles	Vehicle Maintenance	Parking Enforcement Vehicle Replacement - Parking 2216		25,000			
Vehicles	Vehicle Maintenance	Excavator Replacement - Districting 5082		170,000			
Vehicles	Vehicle Maintenance	Bucket Truck Replacement - Traffic 5110		125,000			
Vehicles	Vehicle Maintenance	Pavement Roller Replacement 1 Ton- Construction 5095		18,000			
Vehicles	Vehicle Maintenance	Grader Replacement - Winter 5096		320,000			
Vehicles	Vehicle Maintenance	Forklift Replacement - Fleet 6001		40,000			
Vehicles	Vehicle Maintenance	Skidsteer Replacement - Districting 5102		45,000			
Vehicles	Vehicle Maintenance	Skidsteer Replacement - Construction 5106		45,000			
Vehicles	Vehicle Maintenance	Forklift Replacement - Fleet 6004		40,000			
Vehicles	Vehicle Maintenance	Backhoe Replacement - Districting 5105		75,000			
Vehicles	Vehicle Maintenance	Grader Replacement - Public Services 5109		320,000			
Vehicles	Vehicle Maintenance	1 Ton Dump Truck Replacement - Districting 3100		60,000			
Vehicles	Vehicle Maintenance	1 Ton Dump Truck Replacement - Cemeteries 3119		52,000			
Vehicles	Vehicle Maintenance	1 Ton Dump Truck Replacement - Cemeteries 3121		52,000			
Vehicles	Vehicle Maintenance	1 Ton Dump Truck Replacement - Districting 3118		52,000			
Vehicles	Vehicle Maintenance	1 Ton Dump Truck Replacement - Districting 3120		52,000			
Vehicles	Vehicle Maintenance	1 Ton Dump Truck Replacement - Construction 3117		52,000			
Vehicles	Vehicle Maintenance	1 Ton Pickup Replacement - Peaks 2518		52,000			
Vehicles	Vehicle Maintenance	SA Dump Truck Replacement - Winter 3113		165,000			
Vehicles	Vehicle Maintenance	SA Dump Truck Replacement - Winter 3034		165,000			
Vehicles	Vehicle Maintenance	SA Dump Truck Replacement - Winter 3109		165,000			
Vehicles	Vehicle Maintenance	SA Dump Truck Replacement - Winter 3115		165,000			
Vehicles	Vehicle Maintenance	SA Dump Truck Replacement - Winter 3111		165,000			
Vehicles	Vehicle Maintenance	SA Dump Truck Replacement - Peaks 3114		165,000			
Vehicles	Vehicle Maintenance	1 Ton Pickup Replacement - Districting 3002		52,000			
Vehicles	Vehicle Maintenance	SA Dump Truck Replacement - Winter 3125		165,000			
Vehicles	Vehicle Maintenance	SA Dump Truck Replacement - Winter 3036		165,000			
Vehicles	Vehicle Maintenance	Dump Truck Replacement - Public Services 3201		185,000			
Vehicles	Vehicle Maintenance	Dump Truck Replacement - Public Services 3202		185,000			
Vehicles	Vehicle Maintenance	1 Ton Pickup Replacement - Peaks 3001		52,000			
Vehicles	Vehicle Maintenance	SA Dump Truck Replacement - Districting - 3126		165,000			
Vehicles	Vehicle Maintenance	Dump Truck Replacement - Winter 3130		165,000			
Vehicles	Vehicle Maintenance	Dump Truck Replacement - Public Services 3131		165,000			
Vehicles	Vehicle Maintenance	1 Ton Utility Truck Replacement - Traffic 2008		55,000			
Vehicles	Vehicle Maintenance	1/2 Ton Pickup Replacement - Cemeteries 2186		25,000			
Vehicles	Vehicle Maintenance	Compact Pickup Replacement - Districting 2181		25,000			
Vehicles	Vehicle Maintenance	Replace Peak's Backhoe 5115		95,000			
Vehicles	Vehicle Maintenance	Replace DPS Loader 5112		210,000			
Vehicles	Vehicle Maintenance	Compact Pickup Replacement - PDD 2180		25,000			
Vehicles	Vehicle Maintenance	Compact Pickup Replacement - Forestry 2200		25,000			

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Vehicles	Vehicle Maintenance	3/4 Ton Pickup Replacement - Districting 2202		35,000		
Vehicles	Vehicle Maintenance	3/4 Ton Pickup Replacement - Districting 2203		35,000		
Vehicles	Vehicle Maintenance	3/4 Ton Pickup Replacement - PDD 2204		35,000		
Vehicles	Vehicle Maintenance	1 Ton Dump Truck Replacement - Construction 2502		52,000		
Vehicles	Vehicle Maintenance	1/2 Ton Pickup Replacement - Engineering 2051		25,000		
Vehicles	Vehicle Maintenance	Compact Pickup Replacement - Traffic 2061		25,000		
Vehicles	Vehicle Maintenance	1 Ton Crew Cab Pickup Replacement - Forestry 2503		40,000		
Vehicles	Vehicle Maintenance	Compact Pickup Replacement - Safety Officer 2002		25,000		
Vehicles	Vehicle Maintenance	Compact Pickup Replacement - PDD 2060		25,000		
Vehicles	Vehicle Maintenance	3/4 Ton Truck Replacement - Construction 2000		35,000		
Vehicles	Vehicle Maintenance	3/4 Ton Pickup Replacement - Construction 2001		35,000		
Vehicles	Vehicle Maintenance	1 Ton Utility Truck Replacement - Traffic 2500		55,000		
Vehicles	Vehicle Maintenance	1 Ton Rack Truck Replacement - Forestry 2509		40,000		
Vehicles	Vehicle Maintenance	1 Ton Dump Truck Replacement - Peaks 2508		52,000		
Vehicles	Vehicle Maintenance	3/4 Ton Pickup Replacement - Districting 2021		30,000		
Vehicles	Vehicle Maintenance	3/4 Ton Pickup Replacement - Districting 2024		35,000		
Vehicles	Vehicle Maintenance	1/2 Ton Pickup Replacement - Construction 2022		25,000		
Vehicles	Vehicle Maintenance	1/2 Ton Pickup Replacement - Engineering 2015		25,000		
Vehicles	Vehicle Maintenance	3/4 Ton Pickup - Peaks 2050		35,000		
Vehicles	Vehicle Maintenance	3/4 Ton Utility Truck Replacement - Playgrounds 2512			40,000	
Vehicles	Vehicle Maintenance	Compact Pickup Replacement - PDD 2029		25,000		
Vehicles	Vehicle Maintenance	Compact Pickup Replacement - Traffic 2030		20,000		

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Vehicles	Vehicle Maintenance	3/4 Ton Crew Cab Pickup Replacement - Open Space 2514				
Vehicles	Vehicle Maintenance	Tractor Replacement - Ballfields 8008			12,000	
Vehicles	Vehicle Maintenance	Bucket Van Replacement - Trades 2218		55,000		
Vehicles	Vehicle Maintenance	Activity Bus Replacement - Recreation 2700			60,000	
Vehicles	Vehicle Maintenance	1 Ton Truck Replacement - Cemeteries 2522		52,000		
Vehicles	Vehicle Maintenance	Mower Replacement - Districting		90,000		
Vehicles	Vehicle Maintenance	Replace DPS Loader 5116		210,000		
Vehicles	Vehicle Maintenance	3/4 Ton Utility Van Replacement - Trades 2053		30,000		
Vehicles	Vehicle Maintenance	Mini Van Replacement - Trades 2047		25,000		
Vehicles	Vehicle Maintenance	Compact Pickup Replacement - Trades 2070		25,000		
Vehicles	Vehicle Maintenance	Compact Pickup Replacement - Trades 2086			25,000	
Vehicles	Vehicle Maintenance	1 Ton Utility Van Replacement - Trades 2090		30,000		
Vehicles	Vehicle Maintenance	1 Ton Pickup Replacement - Trades 3024		60,000		
Vehicles	Vehicle Maintenance	3/4 Ton Utility Van Replacement - Trades 2217		30,000		
Vehicles	Vehicle Maintenance	1 Ton Rack Body Truck Replacement - Trades 2507		52,000		
Vehicles	Vehicle Maintenance	Box Van Replacement - Trades 2519		30,000		
Vehicles	Vehicle Maintenance	Skidsteer Replacement - Trades 5001		45,000		
Vehicles	Vehicle Maintenance	Wheel Loader Replacement - Trades 5006		210,000		
Vehicles	Vehicle Maintenance	Van Replacement - Trades 2045		30,000		
Vehicles	Vehicle Maintenance	Pick-up Replacement - Ballfields 2012		27,000		
Vehicles	Vehicle Maintenance	Mower Replacement - Ballfields 7025			85,000	
Vehicles	Vehicle Maintenance	3/4 Ton Truck Replacement - Cemeteries 2142		35,000		
Vehicles	Vehicle Maintenance	Fleet Tire Truck Replacement - Public Services 2007		40,000		
Vehicles	Vehicle Maintenance	1 Ton Rack Truck Replacement - Construction 2505		50,000		
Vehicles	Vehicle Maintenance	Mowers (2) Replacement - Districting 7160, 7161		30,000		
Vehicles	Vehicle Maintenance	Mower Replacement - Districting 7180		60,000		
Vehicles	Vehicle Maintenance	Snow Blower Replacement - Winter 7199		125,000		
Vehicles	Vehicle Maintenance	Fleet Service Truck Replacement - Public Services 2521		30,000		
Vehicles	Vehicle Maintenance	Skidsteer Replacement - Districting 5114		45,000		
Vehicles	Vehicle Maintenance	Replace Solid Waste Forklift 6018		40,000		
Vehicles	Vehicle Maintenance	Skidsteer Replacement - Districting 5117		45,000		
Vehicles	Vehicle Maintenance	Wheel Loader - Stock Yard - Public Services 5003		195,000		
Vehicles	Vehicle Maintenance	3/4 Ton Pickup Truck Replacement - Horticulture 2134		38,000		
Vehicles	Vehicle Maintenance	Rolloff Truck Replacement - Solid Waste 4000		145,000		
Vehicles	Vehicle Maintenance	Skidsteer Replacement - Districting 5119		45,000		
Vehicles	Vehicle Maintenance	Mini Holder Replacement - PDD 8109		110,000		
Vehicles	Vehicle Maintenance	Turf Tractor Replacement - Districting 7010		40,000		
Vehicles	Vehicle Maintenance	Mower Replacement - Districting 7026		95,000		
Vehicles	Vehicle Maintenance	1/2 Ton Pickup - Public Services Street Openings 2062			25,000	
Vehicles	Vehicle Maintenance	3/4 Ton Pickup Replacement - Districting 2131			35,000	

GeneralFund

Vehicles	Vehicle Maintenance	Replace DPS Excavator 5113			175,000		
Vehicles	Vehicle Maintenance	Flatbed Dump Truck Replacement - Horticulture 3003			55,000		
Vehicles	Vehicle Maintenance	Dump Truck Replacement - Winter 3129			165,000		
Vehicles	Vehicle Maintenance	Dump Truck Replacement - Winter 3203			180,000		
Vehicles	Vehicle Maintenance	Skidsteer Replacement - PDD 5120			45,000		
Vehicles	Vehicle Maintenance	Turf Tractor Replacement - Cemeteries 7011			60,000		
Vehicles	Vehicle Maintenance	Parking Enforcement Truck Replacement - Parking 2023		25,000			
Vehicles	Vehicle Maintenance	Car 8 Replacement - Fire 0059		17,500			
Vehicles	Vehicle Maintenance	Engine 6 Replacement - Fire 0279			700,000		
Vehicles	Vehicle Maintenance	Replace Parking Enforcement Truck 2167				25,000	
Vehicles	Vehicle Maintenance	Replace Parking Enforcement Vehicle 2168				25,000	
Vehicles	Vehicle Maintenance	4 WD Utility Tractor w/ Loader Backhoe Replacement - Recreation		45,000			
Vehicles	Vehicle Maintenance	Mowers (3) Replacement - Golf			210,000		
Vehicles	Vehicle Maintenance	Replace Van Expo 2085		30,000			
Vehicles	Vehicle Maintenance	Replace DPS Single Axle Plow 3135			165,000		
Vehicles	Vehicle Maintenance	Replace SPS Single Axle Dump 3136			165,000		
Vehicles	Vehicle Maintenance	Replace DPS Single Axle Dump 3134			165,000		
Vehicles	Vehicle Maintenance	Replace DPS Single Axle Dump 3133				165,000	
Vehicles	Vehicle Maintenance	Replace 11' Mower DPS 7187				70,000	
Vehicles	Vehicle Maintenance	1/2 Ton Pickup - Solid Waste 2025		25,000			
Vehicles	Vehicle Maintenance	Replace DPS Pickup 2020		25,000			
Vehicles	Vehicle Maintenance	Replace PDD .5 Ton Pickup 2029		30,000			
Vehicles	Vehicle Maintenance	Replace Traffic .5 Ton Pickup 2030		25,000			
Vehicles	Vehicle Maintenance	Replace Horticulture 3/4 Ton Pickup 2134		40,000			
Vehicles	Vehicle Maintenance	Replace Forestry Chip Truck 3004			60,000		
Vehicles	Vehicle Maintenance	Replace JD Gator DPS 8007		15,000			
Vehicles	Vehicle Maintenance	Replace DPS Toolcat 5004		65,000			
Vehicles	Vehicle Maintenance	Replace PDD Toolcat 5005		65,000			
Vehicles	Vehicle Maintenance	Replace Street Open Truck 2040		25,000			
Vehicles	Vehicle Maintenance	Replace Street Open Truck 2098		25,000			
Vehicles	Vehicle Maintenance	Replace Street Open Truck 2062			25,000		
Vehicles	Vehicle Maintenance	Replace Engine 1		700,000			
Vehicles	Vehicle Maintenance	Replace Ladder 6			1,300,000		
Vehicles	Vehicle Maintenance	Replace Fire Electrical Pickup 0305		25,000			
Vehicles	Vehicle Maintenance	Replace Senior Rec Bus 2702				55,000	
Vehicles	Vehicle Maintenance	Parking Garage Truck - 2041		30,000			
Vehicles	Vehicle Maintenance	Parking Division SUV - 1021				20,000	
Vehicles	Vehicle Maintenance	Parking Enforcement Vehicle Replacement - 2160					
Vehicles	Vehicle Maintenance	Parking Enforcement Truck Replacement -2161					
Vehicles	Vehicle Maintenance	Parking Meter Van Replacement - 2171					
Vehicles	Vehicle Maintenance	Parking Enforcement Truck Replacement -2176					
<b>TOTALS</b>			<b>14,054,000</b>	<b>36,935,005</b>	<b>42,779,820</b>	<b>20,123,050</b>	<b>6,605,388</b>

GeneralFund

Less: Available Funds within Bayside TIF (can go towards traffic or infrastructure improvements in Bayside)			400,000				
Less: PY CIP Reallocations - Will be used to fund projects from above list			704,896				
<b>GRAND TOTAL - FY17 General Fund Borrowing</b>			<b>12,949,104</b>				
<b>OPERATING BUDGET CIP</b>							
Facilities	Parking / Garages	Temple St. Parking Garage Cond. Appraisal Rprs Concrete & Joints	230,000				
Equipment	Parking / Garages	Ticket Dispenser and Register at Elm Street Parking Garage	25,000				
Vehicles	Vehicle Maintenance	Firehouse Conditional Appraisal	50,000				
Facilities	Recreation and Facilities	Air condition conference rooms	30,000				
Equipment	Barron Center	Vulcan Steamer	14,900				
Vehicles	Vehicle Maintenance	Laundry Box Truck Replacement - Barron Center 3912	30,000				
Vehicles	Vehicle Maintenance	Rotary Trim Mower Replacement - Golf Course	45,000				
Vehicles	Vehicle Maintenance	Pot Hole Patcher Replacement - Districting 5104	40,000				
Vehicles	Vehicle Maintenance	Tractor -PDD - 7159	20,000				
Vehicles	Vehicle Maintenance	Kitchen Box Truck Replacement- Barron Center 3913	30,000				
Vehicles	Vehicle Maintenance	Patient Transport Van Replacement - Barron Center 3901	35,000				
			<b>549,900</b>				
<b>SPECIAL REVENUE FUND CIP</b>							
Facilities	Recreation and Facilities	Merrill- Flooring/Seating/Painting Replacement	100,000		100,000		
Parks, Fields,	Recreation and Facilities	Evergreen Cemetery Wall				100,000	
Vehicle - New	Vehicle Maintenance	Leaf Sweeping Unit for Cemeteries			35,000		
Vehicle - New	Vehicle Maintenance	Add Flail and Brush Cutter Attachment - Cemeteries			15,000		
Vehicles	Vehicle Maintenance	3/4 Ton Pickup Truck Replacement - Cemeteries 2121			35,000		
Equipment	Barron Center	Fire Alarm System - Barron Center	70,000				
Equipment	Barron Center	Day Room Furniture - Barron Center	23,802				
			<b>193,802</b>				

GeneralFund

<b>FUND BALANCE - SCHOOL SURPLUS CIP</b>							
Vehicle - New	School Department	Two 14 Passenger Buses	87,000				
Vehicles	School Department	Replacement School Bus	88,000	164,000	150,000		
Facilities	School Department	Schools Conditional Appraisal / Workplan for Future Repairs	300,000				
Facilities	School Department	Capital Allowance - FY18 and beyond school improvements	\$ 2,084,960				
<b>School Surplus Reconciliation</b>							
FY16 Beg Balance		\$ 3,084,960					
FY17 CIP / School Board Recommended Projects		\$ 500,000					
FY17 Budgeted use of Fund Balance		\$ 500,000					
Remainder for Future Capital Use		\$ 2,084,960					
<b>GRAND TOTAL - Total Potential FY17 Capital Improvements</b>				<b>15,272,702</b>			

<b>SEWER FUND RECOMMENDED CIP - FY17 - FY21</b>					
<b>ProjectTitle</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
CSO - Compliance - Madison / Walnut	1,000,000				
CSO - Compliance - Marginal / Forest / State	4,200,000				
CSO - Compliance - Deering Oaks	300,000				
CSO - Compliance - Woodfords / Hershey	3,600,000				
CSO - Compliance - Future Fiscal Years	0	10,000,000	13,000,000		
CSO Back Flow Prevention	25,000				
CMOM - Sewer System Renewal	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000
CMOM - Pump Station Rehabilitation	1,100,000	670,000	670,000	670,000	
CMOM - Inflow and Infiltration Program	750,000	260,000	790,000		
Warren Ave Storm Drain & MDOT Paving		990,000			
USM Roundabout Sewer Separation - PACTS Project		450,000			
O&M Relocation to Outer Congress Street	230,000				
Stormwater Infrastructure Failure Repairs	200,000	200,000	200,000	200,000	
Rand Rd Culvert - Emery Waterhouse Driveway	90,000				
PACTS Danforth St Paving	14,000				
MaineDOT Arterial Paving Riverside St - sewer portion	41,000	0	0	0	0
Municipal Partnership Initiative (MPI) Paving Program	51,750	50,000	50,000	50,000	50,000
CSO - Close CSO #42 and #43		2,000,000			
Gravel Wetland Stormwater Treatment System in the Capisic Brook Watershed		2,000,000			
Stormwater Retrofits on Riverside Street			185,000		
Sewer Replacement - Somerset Street Extension					
Green Infrastructure at Oxford Street Parking Garage		100,000			
Green Infrastructure at Kennedy Park		360,000			
Brighton Ave Sewer Separation		300,000			
Green Infrastructure: Peaks Island		50,000			
Street Sweepers Replacement	195,000	245,000	195,000	195,000	
Refurbish Sewer Backhoe 5100	30,000				
Catch Basin Cleaning Vehicle Replacement - Sewer 3127	100,000				
Right of Way Clearing Machine - Water Resources - New	160,000				
Replace Van Water Resources Engineers -0919	26,000				
1 Ton Crew Cab Pickup Replacement - Sewer 2511	40,000				
3/4 Ton Extended Cab Pickup Replacement - Sewer 2513	38,000				
TV Truck Replacement - Sewer 2516		250,000			
<b>SEWER FUND - PUBLIC BONDING FINANCED</b>	<b>13,290,750</b>	<b>19,025,000</b>	<b>16,190,000</b>	<b>2,215,000</b>	<b>1,150,000</b>
<b>Operating Budget Financed Sewer / Stormwater Projects</b>					
Stormwater Storage and Filtration Systems at Sagamore Village	1,246,060				
<b>CSO Compliance - Anticipated Financing via Maine Bond Bank</b>					
CSO - Compliance - Back Cove South Storage Conduit	17,000,000				
CSO - Future Fiscal Years		20,000,000	20,000,000	20,000,000	20,000,000

Project Title ID 141071

CSO - Compliance



**Water Resources**

Division Sewer

Classification Wastewater

**Project Description**

Federal mandate of Clean Water Act to reduce discharge of raw sewage into public waters.

**Project Justification**

FY17 total of \$46,100,000:

- Back Cove South Conduit Construction - \$37,000,000
- Madison Walnut Sewer Separation - \$1,000,000
- Marginal, Forest, State Sewer Separation - \$4,200,000
- Deering Oaks Park Gravel Lot - \$300,000
- Woodfords Corner Sewer Separation - \$3,600,000

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$12,000,000		\$142,100,000		\$154,100,000

**Funding Source**

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2017		\$46,100,000			<input type="checkbox"/>
2018		\$30,000,000			<input type="checkbox"/>
2019		\$43,000,000			<input type="checkbox"/>
2020		\$10,000,000			<input type="checkbox"/>
2021		\$25,000,000			<input type="checkbox"/>
<b>Total</b>		\$154,100,000			

**Other Funding Source Description**

**Operating Budget Impact**

Maintance of conduit and green infrasture

**Project Title** ID 173203

CSO Back Flow Prevention



**Water Resources**

**Division** Sewer

**Classification** Wastewater

**Project Description**

Install a back flow preventor at the outlet of CSO 26 Maple and Commercial

**Project Justification**

This CSO outlet currently does not provide back flow prevention so when the tide is high salt water can enter into the sewer system. This salt water is extra water within a very confined system which is already at capacity. Installing a back flow preventor will eliminate salt water from entering into the system.

**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>
2017		\$25,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$25,000			

**Other Funding Source Description**

**Operating Budget Impact**

Salt water that enters into the sewer system has to be treated at the plant which costs money.

**Water Resources**

**Division** Sewer

**Classification** Wastewater

**Project Description**

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

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

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

**Project Justification**

The City of Portland has an aging sewer infrastructure with some sewer lines reaching over 100 years in age. While we have 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. This has resulted in the occasional sewer line backups or collapses that need to be upgraded or replaced. As a result of staff reports to the Department of Environmental Protection (DEP), on dry weather and wet weather sanitary sewer overflows, (SSO's), EPA issued an Administrative Order on September 27, 2012 due the 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		\$11,610,000		\$12,900,000

**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			<input type="checkbox"/>
2018		\$1,100,000			<input type="checkbox"/>
2019		\$1,100,000			<input type="checkbox"/>
2020		\$3,200,000			<input type="checkbox"/>
2021		\$3,200,000			<input type="checkbox"/>
<b>Total</b>		\$12,900,000	\$3,200,000		

**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 141794

Stormwater Infrastructure Failure Repairs

**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. 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>
		\$1,000,000		\$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		\$200,000			<input type="checkbox"/>
2020		\$200,000			<input type="checkbox"/>
2016		\$200,000	\$200,000		<input checked="" type="checkbox"/>
2017		\$200,000			<input type="checkbox"/>
2018		\$200,000			<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$1,000,000	\$200,000		

**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 done in FY16 .

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

**Project Justification**

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

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$465,000		\$4,157,000		\$4,622,000

**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			<input type="checkbox"/>
2018		\$670,000			<input type="checkbox"/>
2019		\$670,000			<input type="checkbox"/>
2020		\$416,000			<input type="checkbox"/>
2021		\$416,000			<input type="checkbox"/>
<b>Total</b>		\$4,624,000	\$1,350,000		

**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 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...unpredictable without the results of Phase I and II

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$1,800,000		\$2,000,000		\$3,800,000

**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			<input type="checkbox"/>
2018		\$260,000			<input type="checkbox"/>
2019		\$790,000			<input type="checkbox"/>
2020		\$1,000,000			<input type="checkbox"/>
2021		\$1,000,000			<input type="checkbox"/>
<b>Total</b>		\$3,800,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 141052  
 Stormwater Storage and Filtration Systems at Sagamore Village

**Water Resources**

**Division** Stormwater  
**Classification** Wastewater

**Project Description**

Install two underground storage and filtration systems and associated diversion structures in the vicinity of Sagamore Village.

**Project Justification**

This project is a recommendation of the Capisic Brook Watershed Management Plan. The two storage and filtration systems would treat stormwater runoff from a drainage area of 42 AC of mainly residential property (housing, lawns, streets, & driveways). The drainage area is about 40% impervious, far exceeding the 11% threshold for a healthy watershed. The Maine Dept of Environmental Protection has determined that Capisic Brook does not meet its designated water quality classification (Class C). The City, under the Clean Water Act, is obligated to take steps to restore water quality in this Urban Impaired Stream (UIS) watershed. The Capisic Brook Watershed Management Plan was funded in large part by the US EPA and Maine DEP to help the City chart a path for restoring water quality in the brook.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$120,000		\$1,246,060		\$1,366,060

**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>
2016		\$120,000	\$120,000		<input checked="" type="checkbox"/>
2017		\$1,246,060			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$1,366,060	\$120,000		

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 162995  
 Warren Ave Storm Drain & MDOT Paving



**Water Resources**

**Division** Stormwater

**Classification** Wastewater

**Project Description**

Replace the existing 18", 24" and 36" CMP storm drain that has failed within Warren Ave between 517 Warren Ave to 659 Warren Ave before MaineDOT conducts Arterial Paving; potentially as soon as 2018. The MaineDOT paving project is expected to extend from the Westbrook line to #450 Warren Avenue. This work is paid at 100% by State funding.

**Project Justification**

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

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$90,000		\$1,625,000		\$1,715,000

**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		\$990,000			<input type="checkbox"/>
2018	\$725,000				<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>	\$725,000	\$990,000			

**Other Funding Source Description**

As soon as 2018 we expect MaineDOT's Arterial Paving Program to invest \$725,000 into pavement preservation.

**Operating Budget Impact**

Reduced maintenance of the stormwater system.

**Project Title** ID 162996  
 USM Roundabout Sewer Separation - PACTS Project

**Water Resources**

**Division** Sewer

**Classification** Wastewater

**Project Description**

Separate the storm water from the sewer system for the new USM Roundabouts

**Project Justification**

Pacts funded project. Already under design with the sewer separation in consideration. Design is already underway and is funded by others. Just need construction money to pay for the additional catch basins, storm drainage and green infrastructure.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$3,058,000		\$3,058,000

**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	\$2,608,000	\$450,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>	\$2,608,000	\$450,000			

**Other Funding Source Description**

PACTS, MDOT, General funding

**Operating Budget Impact**

**Project Title** ID 173202  
 O&M Relocation to Outer Congress Street

**Water Resources**

**Division** Sewer

**Classification** Facilities

**Project Description**

It was determined in FY16 that Water Resources Operations and Maintenance Crews would be unable to relocate to the Canco Rd Facility. The outer Congress Facility was chosen as the best fit for staff and equipment and so new buildings were purchased and the site improved. The crews and equipment will be housed there by January 2016.

**Project Justification**

The site still needs additional improvements to support operations and maintenance of the city's sewer and stormwater systems and protect valuable infrastructure. The improvements include;

Pump Station for the buildings and Solid Waste trailers: the waste is currently pumped out of a holding tank however this is not a long term solution. 100K

Security Fencing: Water Resources assets purchased as a result of the CMOM study are both expensive and sophisticated. The outer congress yard is shared by other utilities and is wide open to the public. A security fence is needed on this site. \$20,000

Enhanced Lighting: The facility will be occupied at night (winter months/rain events and emergencies) and lighting is not currently provided for that type of operation. \$30,000

Expand internal vehicle storage and revamp heating system of garage currently occupied by PWD. PWD will be vacating the heated storage area currently shared with water resources and a new system plus a structural expansion is needed to house equipment and vehicles. \$80,000

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$230,000	\$230,000

**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		\$230,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$230,000			

**Other Funding Source Description**

**Operating Budget Impact**

upgrades could cost as much as \$3,000,000 per year.

**Project Title** ID 141794

Stormwater Infrastructure Failure Repairs

**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. 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>
		\$1,000,000		\$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		\$200,000			<input type="checkbox"/>
2020		\$200,000			<input type="checkbox"/>
2016		\$200,000	\$200,000		<input checked="" type="checkbox"/>
2017		\$200,000			<input type="checkbox"/>
2018		\$200,000			<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$1,000,000	\$200,000		

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 173656  
 Rand Rd Culvert - Emery Waterhouse Driveway



**Water Resources**

**Division** Stormwater

**Classification** Wastewater

**Project Description**

Replace the existing culvert under the Emery Waterhouse Driveway which has seen multiple failures and repairs

**Project Justification**

This section of culvert has seen multiple failures in the past 5 years and we had another one just this year. We hired Gorrill-Palmer to do a condition report on the existing culvert which is attached. They also produced a preliminary estimate to replace the most critical part of the existing culvert.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$10,000		\$80,000		\$90,000

**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		\$90,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$90,000			

**Other Funding Source Description**

**Operating Budget Impact**

Eliminate emergency repair costs associated with this section of the culvert.

## Other Funding Source Description

### Operating Budget Impact

Updates to curb ramps will reduce the burden on sidewalk and CDBG budgets. Signalization updates will keep equipment reliable and require fewer service calls.

**Project Title** ID 163151

FACTS Danforth St Paving

### Public Works

**Division** Engineering

**Classification** Streets/Sidewalks

### Project Description

FACTS 16-18 TIP award of \$248,413, inclusive of \$62,103; the required 25% Local Match.

FACTS Collector Paving Program awarded Danforth St paving between York and High St. CIP request is for the required 25% Local Match (\$62,103) plus ineligible City costs, including Sewer (\$14,000) & multi-modal system improvements (\$24,000). Work Plan indicates 2016 construction.

### Project Justification

Highly leveraged value of Federally funded Pavement Rehabilitation projects; Local Match = 25% and City must cover 100% of sewer utility and ineligible items.

### 5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$10,000		\$276,310		\$286,310

### 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	\$200,310	\$86,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>	\$200,310	\$86,000			

### Other Funding Source Description

FACTS 16-18 TIP award; Work Plan indicates 2016 construction.

### Operating Budget Impact

Reduces cost to City for pothole repair and leverages critical infrastructure maintainance.

**Project Title** ID 173674  
 Municipal Partnership Initiative (MPI) Paving Program



**Public Works**

**Division** Engineering

**Classification** Streets/Sidewalks

**Project Description**

Complete mill and overlay of various arterial and collector roadways with shared funding sources to improve substandard roads to PACTS and MaineDOT minimum standards. A portion of these costs should be allocated for sewer fund components of each project. See attachments for detail of funding programs.

FY17 Allen Av - Washington Av to Pennell Av \$275,000  
 Washington Av - Ocean Av to Canco Rd \$742,500

Projects for other years need to be coordinated with the gas company and water district schedules as well as other underground utility upgrades.

**Project Justification**

By combining limited state and city funding, major improvements can be made to deteriorating roadways. These improved sections will then qualify for future state funded pavement preservation programs. The City's maintenance costs will be reduced on these segments.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$450,000		\$4,567,500		\$5,017,500

**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>
2017	\$500,000	\$517,500			<input type="checkbox"/>
2018	\$500,000	\$500,000			<input type="checkbox"/>
2019	\$500,000	\$500,000			<input type="checkbox"/>
2020	\$500,000	\$500,000			<input type="checkbox"/>
2021	\$500,000	\$500,000			<input type="checkbox"/>
<b>Total</b>	\$2,500,000	\$2,517,500			

**Other Funding Source Description**

PACTS/MaineDOT MPI funds; maximum of \$200,000/\$500,000 per project

**Operating Budget Impact**

All pavement preservation will reduce operating costs for both summer and winter maintenance of streets.

**Project Title** ID 152384

CSO - Close CSO #42 and #43

**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 and #43. Overflows at CSO #42 and #43 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 and #43.

**Project Justification**

In January 1991, the City of Portland and the Portland Water District (PWD) entered into an Administrative Consent Agreement with the State of Maine Department of Environmental Protection (DEP), which required the City and PWD to begin a prioritized, long-term program to abate CSOs in Portland. The components, cost, and schedule of the projects to reduce CSOs were defined through development of a Master Plan completed in December 1993.

The final Portland Combined Sewer Overflow Master Plan, prepared by CH2M Hill in 1993, contained an aggressive 15-year implementation schedule to abate the City's 39 CSOs tributary to six receiving water bodies. The primary goals of the CSO Master Plan were as follows:

- Eliminate 33 of the 39 CSOs.
- Reduce the annual CSO volume from 720 MG to 87 MG, based upon the 1996 precipitation record.
- Eliminate all CSOs in sensitive receiving waters identified as Capisic Brook, Fall Brook, Presumpscot Estuary, and Fore River.

In early 1997 the City of Portland retained DeLuca-Hoffman Associates, Inc. to prepare a 5-year implementation schedule of Combined Sewer Overflow abatement projects. The implementation schedule outlined the various projects, budgets and anticipated CSO impacts/benefits resulting from the proposed work. A Tier II CSO abatement 8-year implementation plan has also been completed and reviewed by MEDEP with final authorization being received in February 2003.

In September of 2007 the City acknowledged completion of all 75 Tier II CSO construction projects by 2011 is no longer achievable. By aggressively scheduling these construction projects and appropriating approximately \$10 million annually, the City believes it will be able to complete the projects within a slightly longer timeframe, by the end of 2013. This became the Tier 2 revised plan which was completed in the fall of 2013.

The completion of Tier 2 separation projects within the Capisic Brook Watershed was supposed to close CSO#42 and #43. 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 and #43 would be closed. Since these CSO's are 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 and #43 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>
\$75,000		\$2,000,000		\$2,075,000

**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"/>
2017					<input type="checkbox"/>
2018		\$2,000,000			<input type="checkbox"/>

2019		<input type="checkbox"/>
2020		<input type="checkbox"/>
2021		<input type="checkbox"/>
<b>Total</b>	\$2,075,000	\$75,000

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 152418  
Sewer Replacement - Somerset Street Extension

**Water Resources**

**Division** Sewer

**Classification** Wastewater

**Project Description**

To replace existing combined sewer with the installation of a new sanitary and stormwater sewer. Design for the roadway construction is current on-going.

Phase 1 - Elm to Hanover Street

Phase 2 - Hanover to Forest Avenue ON HOLD as of December 2014; Study showing 'No Build' outcomes.

**Project Justification**

Since Somerset Street is being rebuilt, replacing the aging sewer system is recommended.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$16,000		\$144,000		\$160,000

**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		\$160,000	\$160,000		<input checked="" type="checkbox"/>
2017					<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$160,000	\$160,000		

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 152329

Gravel Wetland Stormwater Treatment System in the Capisic Brook Watershed

**Water Resources**

**Division** Stormwater

**Classification** Wastewater

**Project Description**

This project was developed under the Capisic Brook Watershed Management Plan and is designed to provide stormwater treatment and stream flow management for about 48 AC of impervious area within the north tributary catchment area of Capisic Brook. The project would consist of a series of gravel wetland treatment cells adjacent Capisic Brook on undeveloped land just north of Warren Avenue. Gravel wetlands are known to provide exceptional water quality treatment including nutrient (i.e.: Nitrogen) removal. The "gravel wetlands park" concept provides the opportunity to create a stormwater treatment system and educational/recreational amenity, since it would be located near exiting open space currently enjoyed by Portland residents and the Portland Trails network. The project is divided into two steps, the first being land acquisition and the second design, permitting and construction.

**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. This project, recommended in the Watershed Management Plan, is designed to improve water quality in the brook and manage stream flow in the upper portion of the watershed, which will benefit the entire watershed. Construction of this project, as part of the overall implementation of the watershed management plan, will help the move the City closer to its goal of restoring water quality in the brook. Funding for land acquisition is being requested in CIP Year 2015, because the property in question is being marketed at a reduced price by the current owner. Acquisition of this property could also help to address a separate recreational open space compliance issue under consideration by the City. By funding this request in CIP Year 2015 the City will have the flexibility to take advantage of the opportunity to purchase this property at a substantially lower price than originally anticipated and position itself to meet water quality and other compliance needs.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$175,000	\$1,000,000	\$2,000,000		\$3,175,000

**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		\$1,000,000	\$1,000,000		<input checked="" type="checkbox"/>
2016		\$175,000	\$175,000		<input checked="" type="checkbox"/>
2017					<input type="checkbox"/>
2018		\$2,000,000			<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$3,175,000	\$1,175,000		

**Other Funding Source Description**

**Operating Budget Impact**

As with all stormwater management systems, once constructed there will be ongoing maintenance requirements and costs.

**Project Title** ID 152331

Stormwater Retrofits on Riverside Street

**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**

Capisc 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 Capisc 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 Capisc 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>
2017					<input type="checkbox"/>
2018					<input type="checkbox"/>
2019		\$185,000			<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$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.

2019		<input type="checkbox"/>
2020		<input type="checkbox"/>
2021		<input type="checkbox"/>
<b>Total</b>	\$2,075,000	\$75,000

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 152418  
 Sewer Replacement - Somerset Street Extension

**Water Resources**

**Division** Sewer  
**Classification** Wastewater

**Project Description**

To replace existing combined sewer with the installation of a new sanitary and stormwater sewer. Design for the roadway construction is current on-going.  
 Phase 1 - Elm to Hanover Street  
 Phase 2 - Hanover to Forest Avenue ON HOLD as of December 2014; Study showing 'No Build' outcomes.

**Project Justification**

Since Somerset Street is being rebuilt, replacing the aging sewer system is recommended.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$16,000		\$144,000		\$160,000

**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		\$160,000	\$160,000		<input checked="" type="checkbox"/>
2017					<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$160,000	\$160,000		

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 163150

Canco Road Storm Drain

**Water Resources**

**Division** Stormwater

**Classification** Wastewater

**Project Description**

Installation of drainage in conjunction with anticipated MaineDOT funds to leverage rehabilitation of Canco between Read St and Washington Avenue.

**Project Justification**

Additional drainage is needed in this section of Canco Road.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$110,000		\$967,500	\$0	\$1,077,500

**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>
2017					<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021	\$500,000	\$577,500			<input type="checkbox"/>
<b>Total</b>	\$500,000	\$577,500			

**Other Funding Source Description**

Anticipatory MaineDOT/PACTS MPI program funds; cap of \$500,000

**Operating Budget Impact**

**Project Title** ID 173643  
 Green Infrastructure at Oxford Street Parking Garage



**Water Resources**

**Division** Stormwater

**Classification** Wastewater

**Project Description**

Installation of rain gardens and bioswales to treat stormwater that currently goes into the combined sewer system.

**Project Justification**

The City owns a significant amount of green space adjacent to the Oxford Street Parking garage that can be used to design and construct a green infrastructure system. The parking garage site has approximately 1.2 acres of impervious area that can be directed to the treatment system. The project will also have the potential to treat flow from existing pipe systems on Oxford, Stone and Myrtle Street. The purpose of this project is to detain flows and treat stormwater flow that is currently tributary to the overburdened franklin street CSO. The site's existing open green space is ideal for a bio-swale/rain garden system. There is also large amounts of space for sub-surface mass volume detention systems. Installing these system could provide significant peak flow relief of the CSO outfall during intense storm events and water quality benefits during regular rain events.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$10,000		\$90,000		\$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>
2017					<input type="checkbox"/>
2018		\$100,000			<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$100,000			

**Other Funding Source Description**

**Operating Budget Impact**

Maintenance

Project Title ID 173644

Green Infrastructure at Kennedy Park



**Water Resources**

Division Stormwater

Classification Wastewater

**Project Description**

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

**Project Justification**

Kennedy Park contains approximately .35 acres of impervious basketball courts where the stormwater flow is tributary to the city's system. This park is a good location to install a pervious paver system to reduce flows generated by the basketball courts. The pervious asphalt would also be an improvement to the courts because it would allow rain water to be immediately absorbed which would dry the courts much more quickly after rain events. There is also a potential to create rain gardens adjacent to the site which could handle flow from an approximately 3,600 square foot roof. In order to treat 1" of run of in the rain garden an approximate 600 square foot rain garden would be needed. The city has an opportunity to effectively utilize open green space to install stormwater green infrastructure. Utilizing this infrastructure will help take a burden off the combined sewer system and help mitigate CSO overflows and flooding during high intensity rainfall events, as well as providing water quality benefits during regular rain events.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$25,000		\$335,000		\$360,000

**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					<input type="checkbox"/>
2018		\$360,000			<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$360,000			

**Other Funding Source Description**

**Operating Budget Impact**

Maintenance

**Project Title** ID 173657

Brighton Ave Sewer Separation



**Water Resources**

**Division** Sewer

**Classification** Wastewater

**Project Description**

This request is for a sewer separation project in the area of Brighton Avenue between Lemond Street and Dorsett Street. This separated stormwater pipe will be placed in Brighton Avenue and collect runoff from at least 10 existing storm drains currently connected to the combined sewer. A minimum of seven additional manholes are required for installation. Stormwater will discharge to an existing culvert at the end of Merline Avenue off of Rowe Avenue.

**Project Justification**

Currently, stormwater is captured in the combined sewer which has led to combined sewer overflows at CSO 39. An addition to other work being down on Rowe Avenue it is expected that CSO 39 could be closed after this project is completed.

Rowe Avenue is slated for reconstruction in FY 2018.

Cost Estimate: \$150 per linear foot of pipe. Approximately 1,500 linear feet of pipe. 20% contingency included in total fund request. \$30,000 for Engineering.

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$30,000		\$270,000		\$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>
2017					<input type="checkbox"/>
2018		\$300,000			<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$300,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 173676

Green Infrastructure: Peaks Island

**Water Resources**

**Division** Stormwater

**Classification** Wastewater

**Project Description**

Installation of green infrastructure on Peaks Island.

**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>
2017					<input type="checkbox"/>
2018		\$50,000			<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$50,000			

**Other Funding Source Description**

**Operating Budget Impact**

Project Title ID 141056

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>
			\$1,345,000	\$1,345,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2015		\$175,000	\$175,000		<input checked="" type="checkbox"/>
2016		\$175,000	\$175,000		<input checked="" type="checkbox"/>
2017		\$195,000			<input type="checkbox"/>
2018		\$245,000			<input type="checkbox"/>
2019		\$195,000			<input type="checkbox"/>
2014		\$165,000	\$165,000		<input checked="" type="checkbox"/>
2020		\$195,000			<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$1,345,000	\$515,000		

Other Funding Source Description

Operating Budget Impact

Decreased maintenance costs

**Project Title** ID 173588

Refurbish Sewer Backhoe 5100

**Vehicle Maintenance**

**Division** Sewer Fund

**Classification** Vehicles

**Project Description**

Refurbish a 1997 JCB backhoe for Water Resources

**Project Justification**

Cost savings can be achieved by refurbishing this unit rather than purchasing new.

**5 Year Cost Summary**

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

**Funding Source**

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2017		\$30,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$30,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 141209  
 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>
			\$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>
2017		\$100,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$100,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 173587  
 Right of Way Clearing Machine - Water Resources - New

**Vehicle Maintenance**

**Division** Sewer Fund

**Classification** Vehicle - New (Not Replacement)

**Project Description**

For clearing of sewer right or ways

**Project Justification**

Sewer right of way clearing

**5 Year Cost Summary**

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

**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		\$160,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$160,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 173595  
 Replace Van Water Resources Engineers -0919

**Vehicle Maintenance**

**Division** Sewer Fund  
**Classification** Vehicles

**Project Description**  
 1999 E250 former ambulance

**Project Justification**  
 Requested by Nancy Galinaro to support several projects planned for the next 10 years

**5 Year Cost Summary**

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$26,000	\$26,000

**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		\$26,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$26,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 141256  
 1 Ton Crew Cab Pickup Replacement - Sewer 2511

**Vehicle Maintenance**

**Division** Sewer Fund  
**Classification** Vehicles

**Project Description**  
 2005 1 con crew cab/ sewer maintenance

**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>
2017		\$40,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$40,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 141257  
 3/4 Ton Extended Cab Pickup Replacement - Sewer 2513

**Vehicle Maintenance**

Division Sewer Fund

Classification Vehicles

**Project Description**

2006 3/4 ton pickup / sewer maintenance supervisor

**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>
2016		\$38,000			<input checked="" type="checkbox"/>
2017		\$38,000			<input type="checkbox"/>
2018					<input type="checkbox"/>
2019					<input type="checkbox"/>
2020					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$76,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Project Title** ID 141303

TV Truck Replacement - Sewer 2516

**Vehicle Maintenance**

**Division** Sewer Fund

**Classification** Vehicles

**Project Description**

2008 1 ton van chassis w/ box and tv equipment

**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>
			\$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>
2020					<input type="checkbox"/>
2017					<input type="checkbox"/>
2018		\$250,000			<input type="checkbox"/>
2019					<input type="checkbox"/>
2021					<input type="checkbox"/>
<b>Total</b>		\$250,000			

**Other Funding Source Description**

**Operating Budget Impact**

**Appendix A - Portland Public Schools Recommended CIP**  
**(As recommended to City Council in January 2016)**



**Administration**

*Jeanne Crocker, Interim Superintendent*  
*Becky Foley, Chief Academic Officer*  
*Ellen Sanborn, Chief Financial Officer*  
*Craig Worth, Deputy Chief Operations Officer*  
*Kim Brandt, Director of School Management*

353 Cumberland Ave, Portland, Maine 04101  
(207) 874-8100

**MEMORANDUM**

**Date:** January 6, 2016

**To:** Ethan Strimling, Mayor  
Jon Jennings, City Manager

**From:** Ellen Sanborn, CFO, Portland Public Schools

A handwritten signature in blue ink, appearing to be "ES", is written over the "From:" line.

**RE:** 2017 Capital Improvement Program (CIP) Recommendation

The Portland Board of Education voted last night to recommend the attached list of 2017 CIP projects and the five year CIP plan for Portland Public Schools. Please note that this does not include major school construction or renovation projects, such as the elementary schools which are carried in the CIP in the "Potential CIP Major Project" section, since those are being discussed separately.

Please let us know when the schedule for meetings with the Finance Committee and Council is set so the Board can plan on attending. Thanks.

Cc: Jeanne Crocker, Interim Superintendent  
Craig Worth, Deputy Chief Operations Officer, PPS  
Brendan O'Connell, City Finance Director  
Anita LaChance, Deputy City Manager



Equal Opportunity Employer  
[www.portlandschools.org](http://www.portlandschools.org)

Portland Public Schools Board of Education						
Recommended Five-year Capital Improvement Plan*						
January 6, 2016						
CIP Year						
Project Title	2017	2018	2019	2020	2021	2022-2026
Two 14 Passenger Buses	\$ 86,000					\$ -
Replacement School Bus	88,000	\$ 164,000	\$ 150,000			-
Food Service Truck	89,000					-
PATHS - Fire Alarm Replacement	225,000					-
DHS - Window replacement	250,000	250,000				-
Lincoln - Masonry	250,000					-
Reiche- Ramp Removal	250,000					-
Lyman Moore - Paving Drainage	400,000	400,000				-
Peaks Island - Boiler Replacement/ EMS/Masonry	500,000					-
Reiche - Roof Replacement/Engineering		20,000	750,000			-
PHS - Boiler Room Abatement		50,000				-
PATHS - Technology Upgrades		200,000				-
PHS - Windows		250,000	250,000	\$ 250,000		-
DHS - Electrical Switchgear Replacement		300,000				-
PHS - Replace retaining wall and iron railings		300,000				-
Central Office - Boiler Replacement		310,000				-
Pave Multiple Campuses		500,000	250,000	250,000		-
CBHS - New Entrance and Engineering	50,000	500,000				-
PHS - Roof Replacement/Engineering			50,000	750,000	\$ 750,000	-
Riverton - Masonry			100,000		100,000	100,000
DHS - Replace Fire Alarm			225,000			-
DHS - Site Drainage			200,000			-
Lyman Moore - Fire Alarm Replacement/Engineering			200,000			-
Lincoln - Corridor Floors & Lockers			250,000			-
Paths - Freight Elevator at Stair 2/Engineering			250,000			-
Paths - Window replacement			300,000			-
DHS - Roof Replacement/Engineering				50,000	750,000	750,000

Portland Public Schools Board of Education						
Recommended Five-year Capital Improvement Plan*						
January 6, 2016						
Project Title	CIP Year					
	2017	2018	2019	2020	2021	2022-2026
Riverton - A/C				50,000		-
PHS - Rehabilitate Terazzo Floors				75,000		-
DHS -Air Handling Units				100,000		-
PHS - Floor Repairs				140,000		-
DHS - Ceilings				150,000		-
PHS - Electrical Upgrades				150,000		-
DHS - Masonry Restoration				300,000	300,000	300,000
King - Gym Floor					75,000	-
Lincoln - HVAC Rooftop Units					100,000	-
Peaks School Technology upgrade/Fire Alarm					100,000	-
PHS - Auditorium Renovation					100,000	-
PHs - New Gym Floor					125,000	-
PHS - HVAC Rooftop Units					150,000	-
Peaks Island School - Interior Renovations					200,000	-
King - Replace Fire Alarm/Engineering					100,000	-
Lyman Moore - lighting/ceiling Replacement					250,000	250,000
DHS - Auditorium Restoration					250,000	500,000
PHS - Masonry					400,000	750,000
King - HVAC Rooftop Units						100,000
PATHS - HVAC Rooftop Units						100,000
King - Technology Upgrade						125,000
Lyman Moore - HVAC Rooftop Units						200,000
PATHS - Masonry						200,000
Lincoln - Fire Alarm Replacement						220,000
DHS - A/C in Front Office						250,000
Lincoln - Windows						250,000
Lyman Moore Middle - Windows						250,000

Portland Public Schools Board of Education						
Recommended Five-year Capital Improvement Plan*						
January 6, 2016						
CIP Year						
Project Title	2017	2018	2019	2020	2021	2022-2026
Lincoln - Floor/Locker Replacement						350,000
Lyman Moore - Boiler Replacement						350,000
Lincoln - Roof Replacement/Engineering						375,000
King - Boiler Replacement						400,000
Lyman Moore - Electrical Upgrades						400,000
Riverton - Lighting/Ceiling Replacement						400,000
King - Lighting/Ceiling replacement						500,000
King - Window replacement						500,000
Lincoln - Lighting/ Ceiling Replacement						500,000
PATHS - Boiler Replacement						500,000
Replace double hung windows with single						500,000
Lyman Moore - Roof Replacement						525,000
Ocean Ave - Add 4 Classrooms						650,000
Riverton - Roof Replacement/Engineering						1,300,000
<b>Total</b>	<b>\$ 2,188,000</b>	<b>\$ 3,244,000</b>	<b>\$ 2,975,000</b>	<b>\$ 2,265,000</b>	<b>\$ 3,750,000</b>	<b>\$ 11,595,000</b>
<i>* Projects do not include major school construction or renovation recommendations</i>						