

City of Portland, Maine
Finance Committee Meeting Agenda
Wednesday, February 5, 2020
5:30 PM, City Hall, Room 209

AGENDA

1. Introductions

2. Review of City Manager Recommended Capital Improvement Plan PUBLIC HEARING AND VOTE

At the previous meeting City Manager Jon P. Jennings released the Capital Improvement Plan. At the current meeting the Committee will continue their review of the plan. Department heads and other CIP related City and School Department staff will be in attendance for Q&A. A public hearing will be held for the public to provide additional input. The Committee is scheduled to take a vote on whether to recommend the proposed appropriation and bond authorization to the full City Council.

3. Solar Consortium and Net Energy Billing Discussion

In late 2019 the State of Maine Public Utilities Commission finalized a new net metering structure. There is the potential for the City to significantly reduce our overall costs related to energy consumption while supporting renewable energy development in the State of Maine. Our third party energy procurement advisers (Competitive Energy Services aka “CES”) have brought together a consortium of some of Maine’s best (LL Bean, The University of Maine System, Colby, Bowdoin, the City of Portland, Jackson Labs, Portland Water District and many others) to solicit bids for large scale offsite solar development. The consortium has reached the conclusion that it would be a significant financial and environmental benefit to proceed. The City’s Sustainability Coordinator Troy Moon and representatives will be in attendance to lead the presentation and discuss next steps.

4. Future Finance Meeting Dates

The Committee will discuss future meeting dates and topics including potential dates for joint meetings with the School Board of Education Finance Committee. Currently scheduled Finance Committee meeting dates are listed below. All meetings are scheduled in Room 209 of City Hall at 5:30PM unless otherwise noted. This is a discussion item only.

- a. Finance Committee Meeting – Thursday, February 13th (if necessary)**
- b. Finance Committee Meeting – Thursday, March 12th - CANCELLED**
- c. Joint City/School Finance Committee Meeting #1 – Thursday, March 26th**
- d. Joint City/School Finance Committee Meeting #2 – Wednesday, April 1st**
- e. FINANCE COMMITTEE BUDGET REVIEW – Thursday, April 9th,
Thursday April 16th, Thursday April 30th (more will be added at a future date)**

KATE SNYDER (MAYOR)
BELINDA S. RAY (1)
SPENCER R. THIBODEAU (2)
TAE Y. CHONG (3)
JUSTIN COSTA (4)

**CITY OF PORTLAND
IN THE CITY COUNCIL**

KIMBERLY COOK (5)
JILL C. DUSON (A/L)
PIOUS ALI (A/L)
NICHOLAS M. MAVODONES, JR (A/L)

**ORDER APPROPRIATING BOND PROCEEDS AND OTHER FUNDS IN AN AMOUNT
NOT TO EXCEED \$22,392,000 FOR
THE CITY'S FISCAL YEAR 2021 CAPITAL IMPROVEMENT PROGRAM**

IT IS HEREBY ORDERED THAT:

1. Subject to paragraph 2 and 3 below, the sum of \$22,392,000 be and hereby is appropriated to finance the projects more particularly described in the project list for the City's 2021 Capital Improvement Program attached hereto as Exhibit A (the "2021 CIP Projects"), as follows:
 - a. An amount not to exceed \$18,320,000 is appropriated from the proceeds of the City's general obligation bonds to be authorized by the City Council and issued to finance a portion of the costs of the 2021 CIP Projects;
 - b. An additional amount not to exceed \$4,072,000 is appropriated as follows:
 1. An amount not to exceed \$1,000,000 is appropriated from the City's Surplus Fund Balance to finance a portion of the costs of certain street / sidewalk / signalization improvements included in the 2021 CIP Projects;
 2. An amount not to exceed \$815,000 is appropriated from the Portland School Department Surplus Fund Balance to finance a portion of the costs of HVAC improvements to Lincoln Middle School and Portland High School and school busses / transportation vehicles included in the 2021 CIP Projects;
 3. An amount not to exceed \$75,000 is appropriated from the George Naumann Trust Fund to finance a portion of the costs of emergency repairs to Wilde Memorial Chapel in Evergreen Cemetery, included in the 2021 CIP Projects;
 4. An amount not to exceed \$474,000 is appropriated from the City's General Fund Operating Budget to finance a portion of the costs of lighting upgrades at Hadlock Field included in the 2021 CIP Projects, which amount will be reimbursed to the City by Portland Maine Baseball, Inc. (a/k/a the Portland Seadogs);
 5. An amount not to exceed \$300,000 is appropriated from the City's Bayside TIF account to finance a portion of the costs of certain street reconstruction improvements included in the 2021 CIP Projects;
 6. An amount not to exceed \$888,000 is reallocated and appropriated from unspent proceeds of the City's prior 2019 General Obligation Bonds to finance a portion of the costs of the City's pavement preservation program included in the 2021 CIP Projects; and

7. An amount not to exceed \$520,000 is appropriated from Code Violation Revenues to finance a portion of the costs of an emergency vehicle replacement included in the 2021 CIP Projects.
2. The appropriation set forth in paragraph 1(a) above is and shall be contingent upon the approval by the City Council of general obligation bonds for such purposes (the amount appropriated in said paragraph 1(a) to be adjusted to reflect the principal amount of bonds so authorized) and the issuance and delivery of such bonds (or notes in anticipation thereof) for such purposes. The foregoing appropriations shall also be applied to issuance costs for such bonds (or notes in anticipation thereof).
3. That if the actual cost of any 2021 CIP Project differs from the estimated cost on the attached Exhibit A, whether due to completion, delay or abandonment of the Project or for any other reason, the Director of Finance is authorized, in his discretion, to reallocate proceeds of the bonds issued therefore or the other funds appropriated therefore to any other project listed on the 2021 CIP Project List or to any other project or improvement that the City Council has approved or may in the future approve as part of the City's annual capital improvement plan.

KATE SNYDER (MAYOR)
BELINDA S. RAY (1)
SPENCER R. THIBODEAU (2)
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CITY OF PORTLAND
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KIMBERLY COOK (5)
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PIOUS ALI (A/L)
NICHOLAS M. MAVODONES, JR (A/L)

**ORDER AUTHORIZING GENERAL OBLIGATION BONDS
TO FINANCE A PORTION OF THE CITY'S FISCAL YEAR 2021 CAPITAL
IMPROVEMENT PROGRAM IN AN AMOUNT NOT TO EXCEED \$18,320,000**

FOLLOWING a public hearing of the City Council of the City of Portland, Maine, held upon due notice pursuant to Article VII, Section 9 of the City Charter, **IT IS HEREBY ORDERED THAT:**

There be and hereby is authorized and approved the incurring of indebtedness by the City of Portland and the issue and sale of general obligation bonds and notes in anticipation thereof in the aggregate principal amount not to exceed Eighteen Million Three Hundred Twenty Thousand Dollars (\$18,320,000) to finance the items identified in the City's 2021 Capital Improvement Program attached hereto as Exhibit A and all other costs (as defined herein) related and ancillary thereto (the "Projects").

BE IT FURTHER ORDERED:

1. That the Finance Director be and hereby is authorized to prepare, issue, and sell such bonds in the name of and on behalf of the City, in the aggregate amount of **\$18,320,000** (the "Bonds") at one time, or from time to time, as one or more separate bond issues, and to determine the date, form, minimum denomination, interest rates (as term bonds or serial bonds or some combination thereof), maturities (with the last maturity not to exceed the maximum term permitted by law) and all other details, terms and provisions, not inconsistent herewith, including the form and manner of their sale and award as he may approve, such approval to be conclusively evidenced by the execution thereof;
2. That the Finance Director be and hereby is authorized to borrow money in anticipation of said Bonds by the issuance and sale of notes or renewal notes in anticipation of said Bonds ("BANs"), and to determine the date, form, minimum denominations, interest rate, maturities (with the last maturity not to exceed 3 years from its date of issuance) and all other details of each issue of BANs, including the form and manner of their sale and award, subject to the provisions of the law, the City Charter and this Order;
3. That the Finance Director be and hereby is authorized to provide that any of the Bonds and BANs hereinbefore authorized be made subject to call for redemption, with or without premium, prior to their stated dates of maturity, as provided in 30-A M.R.S.A. §5772(6), as amended;
4. That the Bonds and BANs issued hereunder shall be signed by the Finance Director and by the Mayor, either or both of whose signatures may be by facsimile to the extent permitted by law, attested to by the City Clerk, under the seal of the City, and shall be in such form and contain such terms and provisions not inconsistent herewith as they may approve, their approval to be conclusively evidenced by their execution thereof;

5. That the Finance Director is authorized to negotiate, execute, and deliver, in the name of and on behalf of the City such contracts, agreements, instruments and other documents and certificates as may be necessary or appropriate, as determined and approved by the Finance Director, in connection with the financing of the Projects, including a loan agreement in usual and customary form with the Maine Municipal Bond Bank (the “Bond Bank”), to the extent any of the Bonds or BANs authorized herein are issued pursuant to the State of Maine Clean Water Revolving Loan Fund program or the State School Revolving Renovation Fund, which contracts, agreements, loan agreements, instruments and other documents and certificates shall be in such form and contain such terms and conditions, not inconsistent herewith, as may be approved by the Finance Director, such approval to be conclusively evidenced by his execution thereof;

6. That the Finance Director be and hereby is authorized to select the underwriter for the Bonds or BANs heretofore authorized and the Finance Director be and hereby is authorized and empowered to execute and deliver such contracts or agreements as may be necessary or appropriate in connection therewith;

7. That the Finance Director be and hereby is authorized to prepare, or cause to be prepared, a Preliminary Official Statement and an Official Statement for use in the offering and sale of the Bonds or BANs heretofore authorized, such Preliminary Official Statement and Official Statement to be in such form and contain such information as may be approved by the Finance Director, with the advice of the bond counsel for the City, and that the use and distribution of the Preliminary Official Statement and the Official Statement in the name of and on behalf of the City in connection with offering the Bonds or BANs for sale be and hereby is approved;

8. That the Finance Director be and hereby is authorized to select the registrar, paying agent and transfer agent (the “Transfer Agent”) for the Bonds or BANs heretofore authorized and to execute and deliver such contracts and agreements as may be necessary or appropriate to secure their services;

9. That the Bonds or BANs heretofore authorized shall be transferable only on the registration books of the City kept by the Transfer Agent, and said principal amount of the bonds of the same maturity (but not of other maturity) in minimum denominations of \$5,000 and any integral multiple in excess thereof upon surrender thereof at the principal office of the transfer agent, with a written instrument of transfer satisfactory to the transfer agent duly executed by the registered owner or his attorney duly authorized in writing. Upon each exchange or transfer of a bond the City and the Transfer Agent shall make a charge sufficient to cover any tax, fee or any other governmental charge required to be payable with respect to such exchange or transfer, and with respect to such exchange or transfer, and subsequent to the first exchange or transfer, the cost of preparing new bonds upon exchanges or transfer thereof to be paid by the person requesting the same;

10. That the Finance Director be and hereby is authorized to undertake all acts necessary to provide for the issuance and transfer of such Bonds or BANs heretofore authorized in book-entry form pursuant to the Depository Trust Company Book-Entry Only System, as an alternative to the provisions of the foregoing paragraph above regarding physical transfer of Bonds or BANs, and the Finance Director be and hereby is authorized and empowered to enter into a Letter of Representation or any other contract, agreement or understanding necessary or, in his opinion, appropriate in order to qualify the Bonds or BANs for and participate in the Depository Trust Company Book-Entry Only System;

11. That the Finance Director and Mayor from time to time shall execute such Bonds or BANs as may be required to provide for exchanges or transfers of Bonds or BANs as heretofore authorized,

all such Bonds or BANs to bear the original signature of the Finance Director and Mayor, and in case any officer of the City whose signature appears on any Bond or BAN shall cease to be such officer before the delivery of said Bond or BAN, such signature shall nevertheless be valid and sufficient for all purposes, the same as if such officer had remained in office until delivery thereof;

12. That if the Bonds or BANs, or any part of them, are issued on a tax-exempt basis, the Finance Director be and hereby is authorized and directed to covenant and certify on behalf of the City that no part of the proceeds of the issue and sale of the Bonds or BANs authorized to be issued hereunder shall be used directly or indirectly to acquire any securities or obligations, the acquisition of which would cause such Bonds or BANs to be “private activity bonds” or “arbitrage bonds” within the meaning of Sections 141 and 148 of the Internal Revenue Code of 1986, as amended;

13. That if the Bonds or BANs, or any part of them, are issued on a tax-exempt basis, the officers or officials executing the Bonds or BANs be and hereby are individually authorized to covenant and agree, on behalf of the City, for the benefit of the holders of such Bonds or BANs, that the City will file any required reports and take any other action that may be necessary to insure that interest on the notes will remain exempt from federal income taxation, and that the City will refrain from any action that would cause interest on the Bonds or BANs to be subject to federal income taxation;

14. That the officers executing the Bonds or BANs be and hereby are individually authorized to covenant, certify and agree, on behalf of the City, for the benefit of the holders of such Bonds or BANs, that the City will file any required reports, make any annual financial or material event disclosure, and take any other action that may be necessary to insure that the disclosure requirements imposed by Rule 15c2-12 of the Securities and Exchange Commission, if applicable, are met;

15. That any or all of the Bonds or BANs issued hereunder may be consolidated with and become a part of any other issue of temporary notes or general obligation bonds authorized to be issued by any previous or subsequent order of the City Council of the City of Portland;

16. That the term “cost” or “costs” as used herein and applied to the Projects, or any portion thereof, includes, but is not limited to (1) the cost to design, acquire, construct, renovate, improve, furnish and equip the Project, or any portion thereof; (2) the cost of land, easements and other real property interests, landscaping and site preparation, including demolition and environmental remediation work on any existing building or structure and on the property where the Project is located, utility extensions and site improvements, and all appurtenances and other fixtures, facilities, buildings and structures either on, above, or under the ground which are used or usable in connection with the Project; (3) the cost of feasibility studies, surveys, environmental studies and assessments, engineering, plans and specifications, legal and other professional services associated with the Project; (4) issuance costs, including premiums for insurance, capitalized interest and other fees and expenses relating to the financing transaction.

17. That if the actual cost of any Project differs from the estimated cost on the attached Exhibit A, whether due to completion, delay or abandonment of the Project or for any other reason, the Finance Director is authorized, in his discretion, to reallocate proceeds of the Bonds to any other listed Project on the attached Exhibit A, or to any other project or improvement that the City Council has approved or may in the future approve as part of the City’s annual capital improvement plan;

18. That the Finance Director, Mayor and Clerk and other proper officials of the City be, and hereby are authorized and empowered in its name and on its behalf to do or cause to be done all such acts and things, not inconsistent herewith, as may be necessary or desirable in order to effect the issuance, sale and delivery of the Bonds or BANs hereinabove authorized;

19. That if any of the officers or officials of the City who have signed or sealed the Bonds shall cease to be such officers or officials before the Bonds or BANs so signed and sealed shall have been actually authenticated or delivered by the City, such Bonds or BANs nevertheless may be authenticated, issued, and delivered with the same force and effect as though the person or persons who signed or sealed such Bonds or BANs had not ceased to be such officer or official; and also any such bonds or notes may be signed and sealed on behalf of the City by those persons who, at the actual date of the execution of such Bonds or BANs, shall be the proper officers and officials of the City, although at the nominal date of such Bonds or BANs any such person shall not have been such officer or official;

20. That if the Finance Director, Mayor or Clerk are for any reason unavailable to approve and execute the Bonds or BANs or any other documents necessary or convenient to the issuance, execution and delivery of the Bonds or BANs, the person or persons then acting in any such capacity, whether as an assistant, a deputy, or otherwise, is authorized to act for such official with the same force and effect as if such official had performed such act.

21. That the Bonds or BANs authorized by this Order are in addition to any bonds or notes previously authorized for the same or similar purposes;

22. That to the extent not payable from other funds, an amount sufficient for the payment of the annual payments of principal and interest on the Bonds or any BANs issued hereunder shall be included in the tax levy of each year until the debt represented by said Bonds or BANs is extinguished;

23. That the following resolutions required by Section C(4)(e) of the State of Maine Clean Water Revolving Loan Fund Rules, Chapter 595, Department of Environmental Protection and Maine Municipal Bond Bank (the "SRF Regulations"), and governing the loan to be made to the City under the State Revolving Loan Fund Program be and hereby are adopted:

- a. That a Project Account shall be created for the Projects which shall be separate from all other accounts of the City. If operating revenues are to be used to retire the debt, a sub-account will be established;
- b. That the Project Account shall be maintained in accordance with standards set forth by the Bond Bank and in accordance with generally accepted government account standards;
- c. That a final accounting shall be made to the Bond Bank of the total cost of each Project upon completion of the Project performance certification as set out in Section G(3) of the SRF Regulations and the City acknowledges that the Bond Bank reserves the right at its sole discretion to be provided with a cost certification of the Project as built;
- d. That an annual audit of the City, prepared by a certified public accountant or licensed public accountant be provided to the Bond Bank for the term of the loan;

- e. That the City shall maintain insurance coverage on the Projects in an amount adequate to protect the Bond Bank's interest for the term of the loan with the Bond Bank named as loss payee;
- f. That the City will comply with any special conditions specified by the Department of Environmental Protection's environmental determination until all financial obligations to the State have been discharged;
- g. That the City certify to the Bond Bank that it has secured all permits, licenses and approvals necessary and that it has a dedicated source of revenue for repayment;
- h. That the City establish a rate, charge or assessment schedule in order to pay principal and interest. Such rate change or schedule shall provide total operations and debt service coverage at a level at which the coverage for the Bond Bank is sufficient;
- i. That the City must demonstrate the ability to pay reasonably anticipated costs of operating and maintaining the financed Project;
- j. That the City abide by the SRF Regulations, as revised and amended and relevant State statutes of the State of Maine; and

24. That during the term any of the Bonds (or bonds issued to refund such Bonds) are outstanding, the Finance Director be and hereby is authorized to issue and deliver refunding bonds to refund some or all of the Bonds then outstanding, and to determine the date, form, interest rate, maturities and all other details of such refunding bonds, including the form and manner of their sale and award. The Finance Director be and hereby is further authorized to provide that any of such refunding bonds hereinbefore authorized be made callable, with or without premium, prior to their stated date(s) of maturity, and each refunding bond issued hereunder shall be signed by the Finance Director and by the Mayor, either or both of whose signatures may be by facsimile to the extent permitted by law, attested to by the City Clerk, under the seal of the City, and shall be in such form and contain such terms and provisions not inconsistent herewith as they may approve, their approval to be conclusively evidenced by their execution thereof.

Exhibit A**2021 CIP - General Fund**

	<u>Project Title</u>	CIP Amount	Bond Amount	Other Funding
<u>Barron Center</u>				
	Barron Center - Resurface of Roadways & Parking Lots	140,000	140,000	
	Barron Center Kitchenettes	25,000	25,000	
<u>Fire Department</u>				
	Bramhall - Washroom and Locker Room	150,000	150,000	
	Cardiac Monitor Replacement	125,000	125,000	
	Fire Station Masonry Repairs	100,000	100,000	
	Fire Station Backflow Devices	50,000	50,000	
<u>Information Technology</u>				
	CAD RMS: Dell EMC Storage Array and Virtual Cluster	200,000	200,000	
	New DMZ Cluster & GIS Standalone Cluster	63,000	63,000	
<u>Library</u>				
	Replace Portland Room Fire Protection	100,000	100,000	
	Skylight and rubber roof repairs	100,000	100,000	
<u>Parking / Garages</u>				
	Temple St Garage Façade	100,000	100,000	
	Multi Space Parking Meters Park & State	15,000	15,000	
	Parking Meter Replacement Phase 2	95,000	95,000	
<u>Parks, Rec & Public Assembly</u>				
	Lyseth Playground Replacement	275,000	275,000	
	Portland Exposition Building Renovation Plan	165,000	165,000	
	Deering Oaks ADA Walkway Paving	149,000	149,000	
	Riverton Preserve ADA Trail	96,000	96,000	
	Wilde Chapel Emergency Repairs	75,000		75,000
	Riverton School Basketball Reconstruction	69,000	69,000	
	Evergreen Cemetery Frontage Improvements	53,000	53,000	
	Golf Course Improvements/ADA Updates	50,000	50,000	
	Portland Public Aquatics - New Pool Engineering / Planning	50,000	50,000	
	Dougherty Field Irrigation	46,000	46,000	
	Box Boom Lighting Project	40,000	40,000	
	Rubber Flooring Completion - Ice Arena	37,000	37,000	
	Payson Park Tennis & Basketball Courts Sealing/Painting	29,000	29,000	
	Longfellow Playground Climbing Net	27,000	27,000	
<u>Planning & Urban Development</u>				
	East Coast Greenway Baxter Blvd/Back Cove to Martins Point	15,000	15,000	
<u>Public Buildings & Waterfront</u>				
	Hadlock Lighting Upgrades (100% Funded by Sea Dogs)	474,000		474,000
	Expo Roof Repairs Phase 1	350,000	350,000	
	Pile Jackets -OG	225,000	225,000	
	250 Canco Rd Roof Replacement Phase 1 of 2	200,000	200,000	
	Fire Alarm Replacement Merrill & City Hall	195,000	195,000	
	On going pile/pier work at OG and P.O.T	175,000	175,000	
	Offices & Customer Service Areas A/C Installation	115,000	115,000	
	Compass Park Ongoing pile/pier work	100,000	100,000	
	Structural Repairs/Roof Covering - Hadlock	100,000	100,000	
	250 Canco Rd Portable Generators	85,000	85,000	
	Replace Hot Water Tank	60,000	60,000	

Public Works

Woodfords Corner: Project Closeout Costs	455,000	455,000	
PACTS Congress Street Downtown Signals - Add Funding	175,000	175,000	
PACTS Deering's Corner (USM) Roundabout	200,000		200,000
PACTS MPI - Washington Avenue (Presumpscot to Veranda)	250,000	250,000	
PACTS MPI Brighton Ave. (Holm to Westbrook)	65,000	65,000	
PACTS MPI Paving - Marginal Way	385,000	385,000	
PACTS Collector Paving - Washington Avenue (Reagan to Riverside)	265,000	265,000	
Traffic Signal Upgrades with Paving Programs	100,000	100,000	
Traffic Signals Upgrade Program	300,000		300,000
Morrills Corner (State Route 302 and 100)	105,000	105,000	
DOT-Somerset & Kennebec Street Recon	300,000		300,000
Pavement Preservation Program	1,610,000	722,000	888,000
Sidewalk & ADA Rehabilitation Program	500,000		500,000
Commercial Street Sidewalk Improvements	100,000	100,000	
CSO Compliance - SRF Ineligibles	290,000	290,000	
Peaks Island Parking Lot	75,000	75,000	
PACTS RTMS - Regional Signals, Communications, and Match Money	20,000	20,000	

School Department

CBHS/PATHS ADA compliant door hardware and restrooms	277,000	277,000	
DHS ADA compliant doors/hardware, sinks/counters, handrails, curb	710,000	710,000	
KMS ADA compliant ramps and handrails at egress stairs	240,000	240,000	
MMS ADA compliant nurse's area/restroom and locker room	102,000	102,000	
Riverton ADA compliant single use bathroom renovations plus sink	390,000	390,000	
PHS ADA compliant walkways, curb cuts, detectable warning strips,	177,000	177,000	
KMS Restore/refinish wooden gym floor	50,000	50,000	
PHS - Upgrade electrical system	180,000	180,000	
Multiple schools - door access controls - multiple locations	115,000	115,000	
DHS - site drainage	200,000	200,000	
Riverton - Restore masonry	100,000	100,000	
Lincoln - HVAC Rooftop Units	100,000		100,000
PHS - HVAC Rooftop Units	150,000		150,000
DHS - A/C in Front Office	45,000	45,000	
MMS - replace windows	355,000	355,000	
PPS Transportation ten year fleet replacement plan	565,000		565,000

Vehicle Maintenance

4037 Rolloff DPW Islands (Replace w/ Electric) - VW	125,000	125,000	
4028 Rolloff DPW Islands	180,000	180,000	
2050 3/4 Ton Pickup DPW Peaks	40,000	40,000	
Fairway Mowers PRF Golf	57,000	57,000	
3101 - 1/2 Ton Pickup w/ Plow PRF Parks	35,000	35,000	
2186 3/4 Ton Pickup - PRF Cems	40,000	40,000	
2040 Compact Pickup PRF Parks	35,000	35,000	
2185 3/4 Ton Pickup PRF Ballfields	40,000	40,000	
2703 14 passenger van - PRF Recreation	60,000	60,000	
0933 and 0934 Two (2) Ambulance Refurbs Fire	340,000	340,000	
Police Patrol Motorcycle	25,000	25,000	
Variable Message Board - DPW Traffic	20,000	20,000	
3130 2 Ton Dump Truck - DPW Winter	120,000	120,000	
5121 WheelLoader w/ Gear DPW Winter	215,000	215,000	
Ladder 6 Emergency Replacement (December 2019 delivery)	520,000		520,000
3201 Tandem Axle Plow - DPW Winter (Replace w/ Energy Efficient Clean Diesel) - VW	125,000	125,000	
Replace Boat Motor DPW Island Service Boat	30,000	30,000	
6004 Forklift DPW Fleet	100,000	100,000	
Police Cruisers (7)) Replacement - Police (2 Hybrid)	301,000	301,000	
0056,0051,0052 Criminal Investigation Division Vehicles	20,000	20,000	

SUBTOTAL (General Fund)	15,897,000	11,825,000	4,072,000
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2021 CIP - Sewer Fund**Vehicle Maintenance**

7510 Sweeper DPW Water Resources	210,000	210,000
2516 TV Truck DPW Water Resources	350,000	350,000

Water Resources

CMOM - Sewer System Renewal	1,100,000	1,100,000
CMOM - Pump Station Rehabilitation	750,000	750,000
Rand Road Culvert Replacement	750,000	750,000
Riverton Drive Culvert Replacement	150,000	150,000
Presumpscot Culvert	750,000	750,000
Inflow and Infiltration Phase 3 Mitigation	500,000	500,000
Forest Avenue - Clifton to Coyle	100,000	100,000
Center Street Storm Drain	200,000	200,000
Smart Covers	40,000	40,000
District Road Force Main	300,000	300,000
ESRI Conversion to Utility Network	25,000	25,000
Warren Ave Storm Drain	200,000	200,000
Stevens Ave Storm Drain	1,000,000	1,000,000
Stroudwater River Tree Removal	70,000	70,000

SUBTOTAL (Sewer Fund)	6,495,000	6,495,000
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TOTAL (General Fund / Sewer Fund)	18,320,000	4,072,000
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GRAND TOTAL	22,392,000
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CITY OF PORTLAND
Finance Department
Brendan T. O'Connell

TO: Members of the Finance Committee and City Council

FROM: Brendan T. O'Connell

CC: Jon P. Jennings, City Manager, Anne Bilodeau, Deputy Finance Director

DATE: February 5, 2020

SUBJECT: City Manager Recommended Capital Improvement Plan - Questions and Answers

This memo summarizes FY21 Capital Improvement Plan questions received from Finance Committee members and other elected officials which were not answered in person at the January 28th meeting (or were requested to be answered in memo format).

Question 1: The FY21 CIP uses a variety of non-general obligation funding sources, including fund balance. Can you summarize each of these funding sources?

The City Manager is recommending usage of \$4,072,000 of other funding sources which help fund projects which otherwise would have been pushed off until future years or would have triggered an increase in future tax rates. Each other funding source can be seen in the “**ORDER APPROPRIATING BOND PROCEEDS AND OTHER FUNDS IN AN AMOUNT NOT TO EXCEED \$22,392,000 FOR THE CITY’S FISCAL YEAR 2021 CAPITAL IMPROVEMENT PROGRAM**” and include the following:

1 & 2) \$1,815,000 in surplus fund balance (\$1,000,000 generated by the City and \$815,000 generated by the Schools). In the FY20 City budget both the City and School Department budgeted for debt service related to the Lyseth project. However, due to slight delays on general contractor selection no debt service will be charged to the City until FY21. We are requesting this savings, plus other savings from the City’s FY19 budget, be used to offset what otherwise would be additional required general obligation bonds. The City has sufficient fund balance (i.e. fund balance above and beyond our 12.5% of expenditures as required by our fund balance policy) to cover this \$1.815M in expense and a fund balance report will also be provided upon completion of the 6/30/19 audit.

- 3) \$75,000 of the FY21 CIP will be funded from the George Naumann Trust, for repairs to Wilde Chapel in Evergreen Cemetery. The Naumann Trust permits usage of excess income after recommendation by the Superintendent of Cemeteries.
- 4) \$474,000 of the FY21 CIP, the Hadlock Field LED Lighting project, will be funded via an agreement negotiated by the City Manager and signed with the Portland Sea Dogs where they will pay for the full cost of the project.
- 5) \$300,000 of the FY21 CIP, the DOT Somerset and Kennebec Street alignment, is an expense that is permitted via the rules of the Bayside TIF and therefore will be funded from proceeds of TIF revenues within this area wide TIF.
- 6) \$888,000 of the FY21 CIP will be funded from reallocated prior year CIP project savings. This reduces the current year new general obligation bond request by an equivalent amount.
- 7) \$520,000 of the FY21 CIP will be funded from Code Violation Revenues from a large fine levied in a prior fiscal year but paid in the current fiscal year. These funds had not previously been appropriated and were not budgeted in FY21. As discussed during a 2019 Finance Committee meeting these funds are being recommended for reimbursement of an emergency ladder truck replacement which occurred in late 2019.

Question 2: For those who may not be familiar, what is the VW settlement funds that are referenced on two vehicle requests (4037 Rolloff DPW Islands (Replace w/ Electric) - VW and 3201 Tandem Axle Plow - DPW Winter (Replace w/ Energy Efficient Clean Diesel) - VW)?

In the Volkswagen Diesel Emissions Settlement “the VW Settlement” Volkswagen has agreed to settle allegations that it violated the federal Clean Air Act by installing “defeat devices” on 2.0 and 3.0 diesel vehicles. The U.S. Department of Justice (DOJ) determined that the affected vehicles exceeded federal emission standards for nitrogen oxide (NOx), a pollutant that is known to harm public health and contribute to ozone or smog formation. Under two partial consent decrees issued by DOJ, states will receive settlement funds equivalent to the number of registered 2.0 and 3.0 diesel vehicles. For Maine, this equates to just over \$21 million, which, according to the settlement, must be used to offset existing NOx emissions.

The State opened an application process for accessing these funds, and specifically created a program whereby the City could apply for potential reimbursed of 75% of the costs of energy efficient vehicles offsetting non energy efficient vehicles in our fleet. Each of the vehicles referenced above (the electric rolloff truck and the energy efficient clean diesel plow truck) costs \$500,000. The City will only be required to pay \$125,000 for each of these vehicles, less than the cost of a non-energy efficient version of each vehicle.

Question 3: What are the “Backflow Devices” as listed in the Fire Department CIP?

Response from Kathy Alves, Facilities Director: Our City fire stations (Bramhall, Central, Munjoy, Riverton, Ocean, and Stevens) were built without backflow devices. Backflow devices are devices required by City Code that won’t allow contaminated water to back flow into the public water system.

Question 4: What is the CAD RMS: Dell EMC Storage Array and Virtual Cluster and why is it so expensive? Also how often are items like this replaced?

Response from Hanna Pickering, IT Director: The Computer Aided Dispatch (CAD) and Record Management (RMS) systems are the core systems used by dispatch, law enforcement and fire emergency response (certain medical system needs for fire's medical units are handled elsewhere). The computer software being replaced has been running here in the city for 20 years, so you can imagine what an advancement this change will be. The server stack beneath this is old technology (AS400) and can’t be repurposed to support new technology (SQL) and is also now 8 years old. We have selected 212 Canco Road for the new server room location (in order to future-proof for service location changes for police and / or fire in years to come). This build will require high performance computing and networking equipment and software licensing to maintain high performance and high reliability for workstation and mobile unit use from the CRE resources of this new system.

Question 5: On the Parking Meter Replacement Phase 2, I assume the reason we’re going for single space smart meters is that they are more cost effective than the multi-space meters in areas with fewer than six metered spaces in a row. Is that correct?

Response from Parking Manager John Peverada: Correct, in areas with fewer than six metered spaces in a row we will fill in with single space meters. We are replacing the aging existing single space meters that have outdated software that is no longer supported. The meters will be electronic, but will not accept credit cards due to initial capital cost and ongoing credit card processing fees. In light of the fact that over 40% of the meter revenue is derived from the Passport mobile app, customers who do not want to use coins can easily use the app.

Question 6: What improvements to the golf course will we be doing for the \$50,000?

Response from Golf Course Manager Ryan Scott and Parks & Rec Director Sally DeLuca: This funding will support ADA compliant improvements from the parking lot to the pro shop and course and from the course to the building and deck. Full specs are attached in the PDF document which can be found attached in the CIP project detail.

Question 7: Commercial Street Sidewalk Improvements – widening sidewalks from DiMillo’s to RiRa’s – is this consistent with recommendations in Commercial Street Study?

Response from Public Works Director Chris Branch: Yes, this is consistent with the recommendations in the Commercial Street study.

Question 8: Peaks Island Welch Street Parking lot work – do we have a final plan for this lot?

Has it gone back to the community? Will it before we finalize? This makes \$125k total, correct?

The parking lot improvements have been revised to best reflect public input and staff intends to present a final site plan at a future Peaks Island Council meeting. The parking lot improvements associated with this project include removing some existing vegetation, building a retaining wall and installing surface runoff treatment and resurfacing the parking lot. These improvements will result in an additional seven (7) vehicle spaces, eleven (11) golf cart spaces and an increase in bicycle racks. Yes, it is \$125K total.

Question 9: Talk to me a little bit about the plan for the police patrol motorcycle. Where/when will it be used and by whom? Also, do you anticipate purchasing more in the future if this one works out well?

Response from Police Chief Frank Clark: It has been approximately 11 years since PPD had its last set of motorcycles and I would like to see the department return to having 2 police motorcycles. I see this as both an operational and community policing enhancement, as well as a means to provide additional options for our uniformed officers, potentially enhancing officer retention. Motorcycles allow for an alternative and efficient means of transportation, and provide for a more effective means of accessing areas where it is difficult or impossible to access with standard cruisers. I would also envision them being used for traffic enforcement and a variety of special events (e.g., parades, motorcades, community events/outreach, funerals, etc.). The opportunity would be open to all uniformed personnel, who would need to be appropriately licensed, selected and trained.

Question 10: The City Manager's transmittal letter referenced the fact that the City cannot approve more money for projects which were intended to be included in the \$64M Buildings for our Future project. Can you expand on this?

Please see separate memo from our Bond Adviser Jim Saffian of Pierce Atwood on this issue.

Project Title **ID** 195026

Resurface of roadways & parking lots

Barron Center

Division Environmental Services

Classification Streets/Sidewalks

Project Description

Resurface & stripe/mark parking lot & roadways.

Project Justification

Current conditions of the surface & markings warrant this action. There are many pot holes, cracks & broken asphalt in the roadways & parking lots. In addition the markings/stripes have all but disappeared.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$278,586		\$278,586

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$139,293			☐
2022		\$139,293			☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$278,586			

Other Funding Source Description

Operating Budget Impact

Project Title ID 216446

Barron Center Kitchenettes

Barron Center

Division Nutrition Services

Classification Equipment

Project Description

Creation of a Country Kitchen for 1 unit

Project Justification

To enhance the dining experience for Barron Center Residents and update service area to meet new modern standards of dining in a Nursing Home Facility. Includes on floor kitchenettes and smaller dining areas so residents on higher floors do not have to travel to the dining hall to have a hot meal.

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 Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$25,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$25,000			

Other Funding Source Description

Operating Budget Impact

None



Fire Department

Division Building Maintenance

Classification Facilities

Project Description

Convert an under-utilized training room space into a decontamination gear washing room and locker room.

Project Justification

The unit drains into a vent, which is a code violation, and is causing it to constantly back up. The unit is approximately 20 years old and is at its expected useful life. The existing gear washing machine at Bramhall is the only machine for the on the peninsula stations. None of the stations on the peninsula have a decontamination room, a wash room with proper gear drying, or locker rooms. The proposed room is directly off the apparatus bay and would provide separation of the gear from the apparatus bay. If the building is renovated, this new space could remain untouched.

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>
2021		\$150,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$150,000			

Other Funding Source Description

Operating Budget Impact

The Fire Department would utilize this space for on-peninsula operations for decontamination, gear washing, and gear drying.
FD currently holds a grant for new washing machines and dryers. 7K in match money is needed.

This would be the last "Clean Room" the department would need. Allen Ave addresses the off peninsula stations.

Project Title ID 216374

Cardiac Monitor Replacement



Fire Department

Division Firefighting

Classification Equipment

Project Description

The fire department is requesting to replace 5 cardiac monitors/ defibrillators. These are used in daily EMS operations.

Project Justification

Aside from the 2 purchased in FY20, the remaining units have reached the end of their useful lives. The department feels that it is better to replace them all at once rather than purchase several each year to ensure all units will be compatible with each other to interchange batteries and other equipment. These units are replacing the bulk order which was done in CIP around FY09.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$188,399	\$188,399

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021	\$0	\$188,399			☐
2022	\$0	\$0			☐
2023	\$0	\$0			☐
2024	\$0	\$0			☐
2025	\$0	\$0			☐
2026	\$0	\$0			☐
Total	\$0	\$188,399			

Other Funding Source Description

Operating Budget Impact

The department is being offered a volume discount as well as a trade in allowance for this quantity. These units will last greater than 6 years.

Project Title ID 216166

Fire Station Masonry Repairs



Fire Department

Division Building Maintenance

Classification Facilities

Project Description

Repair masonry damage at Bramhall and other various fire stations

Project Justification

There are masonry repairs needed at Bramhall. An initial engineering study was conducted to identify the issues and to come up with a solution to repair them. This includes doors replaced in stairwell's and living quarters.

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>
2021		\$100,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$100,000			

Other Funding Source Description

Operating Budget Impact

This work will need to be done during a renovation if not sooner. It will mitigate masonry and structural problems that have appeared over the years.

Project Title ID 216195

Backflow Devices

Fire Department

Division Building Maintenance

Classification Facilities

Project Description

New backflow devices for the water services at Bramhall, Central, Munjoy, Riverton, Ocean, and Stevens.

Project Justification

Our City fire stations (Bramhall, Central, Munjoy, Riverton, Ocean, and Stevens) were built without backflow devices. Backflow devices are devices required by City Code that won't allow contaminated water to back flow into the public water system.

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>
2021		\$50,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$50,000			

Other Funding Source Description

Operating Budget Impact

Yearly backflow testing required.



Information Technology

Division

Classification Equipment

Project Description

The City has invested in one Dell EMC Storage device that currently is hosting our Munis Financials, Community Development, Citizen portal and other virtual servers used for various applications. This server also has allowed for the migration from single server hyperV technology to a cluster approach. With the upcoming purchase of a new Public Safety RMS Sytem the City will need to purchase additional servers. This purchase will allow redundancy between the two Dell EMC Storage clusters to as well as hosting the new RMS system. With this storage array we can continue to migrate our single server hyperV machines into this clustered technology.

Project Justification

New Public Safety RMS System and redundancy between public safety and public admistration servers.

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>
2021		\$250,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$250,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 216549

New DMZ cluster for our Web Enabled Applications (ESS, Cityworks, Eplan, etc.)

Information Technology

Division

Classification Equipment

Project Description

Upgrade our existing web enabled servers that exist on our DMZ.

Project Justification

Our current web enabled servers are stand alone servers that range from Win2003 (vpn) to Win2008, which are at end of life OS. A DMZ is is a network (physical or logical) used to connect hosts that provide an interface to an untrusted external network – usually the internet – while keeping the internal, private network – usually the corporate network – separated and isolated form the external network.

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>
2021		\$35,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$35,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 216551

New GIS Standalone Cluster

Information Technology

Division

Classification Equipment

Project Description

Add 2 drive arrays to beef up existing SANs (currently 2/3 used): \$15,000
Add new host to accommodate 4 VMs internal to network (5th VM is external web server so included in DMZ): \$12,500
Licensing costs avoided by adding onto existing cluster.

Project Justification

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$27,500	\$27,500

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>
2021		\$27,500			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$27,500			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 216456

Replace Portland Room Fire Protection

Library

Division

Classification Equipment

Project Description

Replace and expand Portland Room fire protection

Project Justification

The Portland Room, with its special collections, is protected by a Halon system that was installed when the building was constructed in the late 1970's. In the ensuing 40-plus years, halon has been discontinued as a viable fire suppression tool because of its affect on the ozone layer. Moreover, the equipment itself is rather old and there is risk of failure. If the current system were to discharge, it cannot be refilled as halon has been outlawed. In addition, there is a separate, adjacent archive space that has no fire protection that an updated system should be extended into.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$10,000		\$25,000	\$65,000	\$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>
2021		\$100,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$100,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 216457

Skylight and rubber roof repairs

Library

Division

Classification Facilities

Project Description

Skylight and rubber roof repairs at Monument Square

Project Justification

We have had a number of leaks appear over the past two years that we have been patching as they occur. There are 3 areas of rubber roofs that have deteriorated to the point that they need to be replaced. We are also experiencing leaks in the two skylights we have at Monument Square and believe that is an indication that the seals have deteriorated to the point that they should be replaced. Roof work would include replacing roof drains as needed and removing the insulation and replacing it with increased levels. This should result in significant energy savings.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$5,000		\$70,000	\$25,000	\$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>
2021		\$100,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$100,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 194950

Tempe St Garage Façade

Parking / Garages

Division Temple Street Garage

Classification Facilities

Project Description

Design and replacement of existing concrete finns that are failing with a new façade

Project Justification

Existing façade is failing. The concrete finns are in danger of falling

\$700,000 funded in 2020 may need an extra \$100,000

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>
2020		\$1,200,000	\$700,000		☒
2021		\$100,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$1,300,000	\$700,000		

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 216389

Multi Space Parking Meters Park & State

Parking / Garages

Division Administration

Classification Equipment

Project Description

2 new multi space parking meters

Project Justification

replace existing single space meters on Park St and in front of State Theater

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$15,000	\$15,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$15,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$15,000			

Other Funding Source Description

Operating Budget Impact

minimal

Project Title ID 205694

Parking Meter Replacement Phase 2

Parking / Garages

Division Administration

Classification Equipment

Project Description

Begin converting existing single space meters with smart single space parking meters that accept credit and debit cards as well as coins, to replace the aging single space parking meters, (In areas with fewer than 6 metered spaces in a row).

The Plan is 2 phases

This will be Phase 2 385 meters –

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>
			\$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>
2021		\$185,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$185,000			

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 will be offset by added credit card processing fees and back office software cost, which may exceed the 10%.

Lyseth Playground Replacement



Parks, Rec & Public Assembly

Division Parks

Classification Parks, Fields, Trails

Project Description

The Lyseth Playground is the priority playground for replacement in 2020. The city owns and manages 30 playgrounds ranging from parks, to schools, to islands. Each playground should ideally be replaced every 15-20 years. The Lyseth Playground is now 20+ years old and requires constant maintenance and repair to keep in safe condition for the hundreds of children that use it daily. Many of the platforms are rusted out and need regular replacement. The plastic slides are worn and require time consuming plastic welding from staff. Parks staff coordinate playground replacements with School Department staff and Lyseth Playground is the #1 priority school playground replacement.

Project Justification

School playgrounds also serve as vital community playground and gathering spaces. Lyseth Playground is unique in that it serves a vast area of the city where there are no other playgrounds. In fact, it is the only community playground between Forest Avenue and Ocean Avenue, and is the only playground in the entire North Deering neighborhood. A high quality playground in this area would greatly increase park equity in an area that is currently underserved with recreational opportunities.

The playground would be ADA compliant and would have sections of ADA rubber playground surfacing, along with other areas of playground woodchips and walking paths. The playground would be surrounded by an existing asphalt walking/biking/scooter path that encircles the entire athletic facility. The playground would have a mix of manufactured play equipment such as swings, net climbers, and slides, and would also have natural elements such as hills, bridges, tunnels and rock and log climbers. Trees and native plantings would compliment the playground and provide shade and rest areas.

The playground has not yet been designed. Once funding is approved, a design team including school staff, kids, ADA accessibility specialists, Parks Staff and others would convene to design the playground within budget parameters.

This would complete the current school renovation being done.

5 Year Cost Summary

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

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$275,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐

Total \$275,000

Other Funding Source Description

Operating Budget Impact

Project Title	ID	216412
N/A		

Parks, Rec & Public Assembly

Division Public Assembly

Classification Facilities

Project Description

The Portland Exposition Building has become an iconic venue in the Greater Portland region. Citizens around Southern Maine have stories of sporting events they either watched or participated in, concerts they attended or trade shows they participated in. It has become a right of passage for locals to spend time in the venerable old building. With an ever changing marketplace and increasing demands by clients and patrons alike, it has become apparent that the Portland Exposition Building, as it currently sits, has reached the end of its viable lifespan as a multi-purpose venue.

Project Justification

The needs of the building are many and include; structural integrity issues, lack of air conditioning, insufficient restrooms and food and beverage space, lack of break out space and storage, and inadequate technical systems including wifi. If the Expo is going to have a future it is imperative that improvements are made to make it attractive for prospective clients and patrons. The planned renovation would be achieved in phases with the first being the engineering and plans for the renovation, followed by a renovation of the current structure in phase two and then a comprehensive renovation of the sports complex that would include a second sheet of ice for the Troubh Ice Arena and much needed convention space that Portland does not currently have. The potential revenue and economic impact that would be created by this renovation will measured in millions of dollars and is essential to the growth of Portland as a major destination. The Portland Exposition Building was once a cornerstone of the community and with plans for a major renovation it can become the pride of Portland once again.

This would be the first step in the deisgn of the Expo for the future.

5 Year Cost Summary

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

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$165,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$165,000			

Other Funding Source Description

Operating Budget Impact

N/A

Project Title ID 216402

Deering Oaks ADA Walkway Paving



Parks, Rec & Public Assembly

Division Parks

Classification Parks, Fields, Trails

Project Description

This project would improve the current walkway system in Deering Oaks to make it more ADA accessible.

Project Justification

Deering Oaks Park is one of the more recognizable historic parks in the area and for good reason. It is a place where all sorts of folks gather to participate in games, enjoy the playground or ravine, sit near the pond or experience the diverse number of events that occur there year after year. The Park is interwoven with many paths that connect the three bordering roads but, what it does not offer is ADA accessibility to it's inner amenities. Many of the sidewalks are very narrow and covered in cracking, which alerts us to the base not being properly installed. This project will address many of the roughest walkways as well as create as ADA accessible route from the designated parking lot over to the pond edge to approach the ravine and lower sections of the park. Improvement recommendations can be seen on pages 3-6 of the Tindale Oliver ADA report from June 2019.

Currently there is no ADA access to the ravine pool.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$149,000		\$149,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$149,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$149,000			

Other Funding Source Description

Operating Budget Impact

N/A

Parks, Rec & Public Assembly

Division Parks

Classification Parks, Fields, Trails

Project Description

Riverton Preserve trail will be a 1 mile ADA-accessible trail offering access to the Riverton Preserve (formerly known as the “Warren Ave Property”). The Riverton Preserve was purchased by the city in 2015 for its stormwater retention capacity as well as open space and recreation values.

Project Justification

Developing the trail is a key part of the City’s plan to resolve long-standing issues with the Land and Water Conservation (LWCF) grant program, stemming from the privatization of Hadlock Field in the 1990’s. LWCF is a program where a portion of proceeds from federal offshore oil drilling revenues are redistributed to states for use in acquiring and improving public outdoor recreation facilities. When municipalities accept LWCF funding, the project property must stay in public outdoor recreation use for perpetuity. When the city privatized Hadlock Field, it violated those terms and must now provide a mitigating property that replaces the lost recreation value. We are actively working with the state and the National Park Service to use the Riverton Preserve property as the mitigating property.

By developing the trail on the Riverton Preserve Property, the city can resolve the outstanding issues and once again be eligible for grants through the Land and Water Conservation Fund and Outdoor Recreation Legacy Partnership programs, which combined can offer grants up to \$750K per year, per recipient.

Developing a trail on the property is a key part of the mitigation plan. The first phase of the trail system will be an ADA accessible loop leaving from the Riverton School and Community Center, and winding through mixed hardwood woods, wetland and meadow areas. The trail will be constructed of compacted stone dust or boardwalk through wet areas to create an ADA accessible surface that can also be used by strollers and bikes. The trail creates neighborhood connectivity by connecting to an existing path that extends on a paper street right of way at the end of Verrill St.

The trail has ample parking and restrooms available at the Riverton Community Center. It will be used by neighborhood residents, dog walkers, bird watchers and students at the school. Our Recreation Before and After School programs can use it for nature programming.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$96,000		\$96,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$96,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$96,000			

Other Funding Source Description

Project Title **ID** 216428

Operating Budget Impact

N/A

Project Title ID 216368

Wilde Chapel Emergency Repairs



Parks, Rec & Public Assembly

Division Parks

Classification Facilities

Project Description

Required repairs to Wilde Memorial Chapel.

Project Justification

Wilde Memorial Chapel was erected in Evergreen Cemetery in 1902 by Mary Lunt Wilde in memory of her husband Samuel Wilde, Jr. Designed by noted Portland architect Frederick A. Thompson, the English Gothic-revival style chapel is located in the southeast corner of the cemetery. The chapel is a designated landmark within the Evergreen Cemetery Historic District. The building is now 117 years old, and aside from some minor work in 1994 & 1995, along with restoration of the stained glass windows in 2000, the stone structure is showing its age, with assessed conditions ranging from a high of "good" to a low of "poor".

In August of 2018, Resurgence Engineering was hired to update the 2008 conditions assessment report and prepare a recommendation schedule. The repair recommendations are classified as either Priority One (most urgent) or Priority Two (less urgent). The report also provides several repair strategies based on funding levels. (See attachments for recommendations)

This request for the 2020 CIP is \$75,000. These funds are designated for emergency masonry, roofing, and structural repairs to Wilde Chapel until additional CIP funding and/or funding from other sources can be obtained. Specifically, these funds will be used to help secure the building envelope from additional water intrusion.

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>
2021		\$75,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$75,000			

Other Funding Source Description

Operating Budget Impact

N/A

Project Title ID 216414
Riverton School Basketball Reconstruction



Parks, Rec & Public Assembly

Division Parks
Classification Parks, Fields, Trails

Project Description
Complete removal, rebuild, sealing and painting of 1 full size basketball court.

Project Justification

Riverton School is home to one of or most heavily used outdoor basketball courts in the city. There are very few days per year that kids are not playing on that court during school or while participating in before and after school activities. Most days you won't see them is after a rainstorm and the surface is flooded as it is recessed in the ground a bit. In an effort to provide a safe and enjoyable facility, we will completely remove the old surface and build up and add a new one with proper sealing and suitable lines for their daily recreation.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$68,200		\$68,200

Funding Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$68,200			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$68,200			

Other Funding Source Description

Operating Budget Impact

N/A

Project Title ID 216432

Golf Course Improvements/ADA Updates

Parks, Rec & Public Assembly

Division Golf Course

Classification Facilities

Project Description

Continued updates and improvements of the course and buildings.

Project Justification

This funding would be used to continue to improve and update the course and buildings.

Annual allocation for course reconstruction.

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>
2021		\$50,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$50,000			

Other Funding Source Description

Operating Budget Impact

N/A

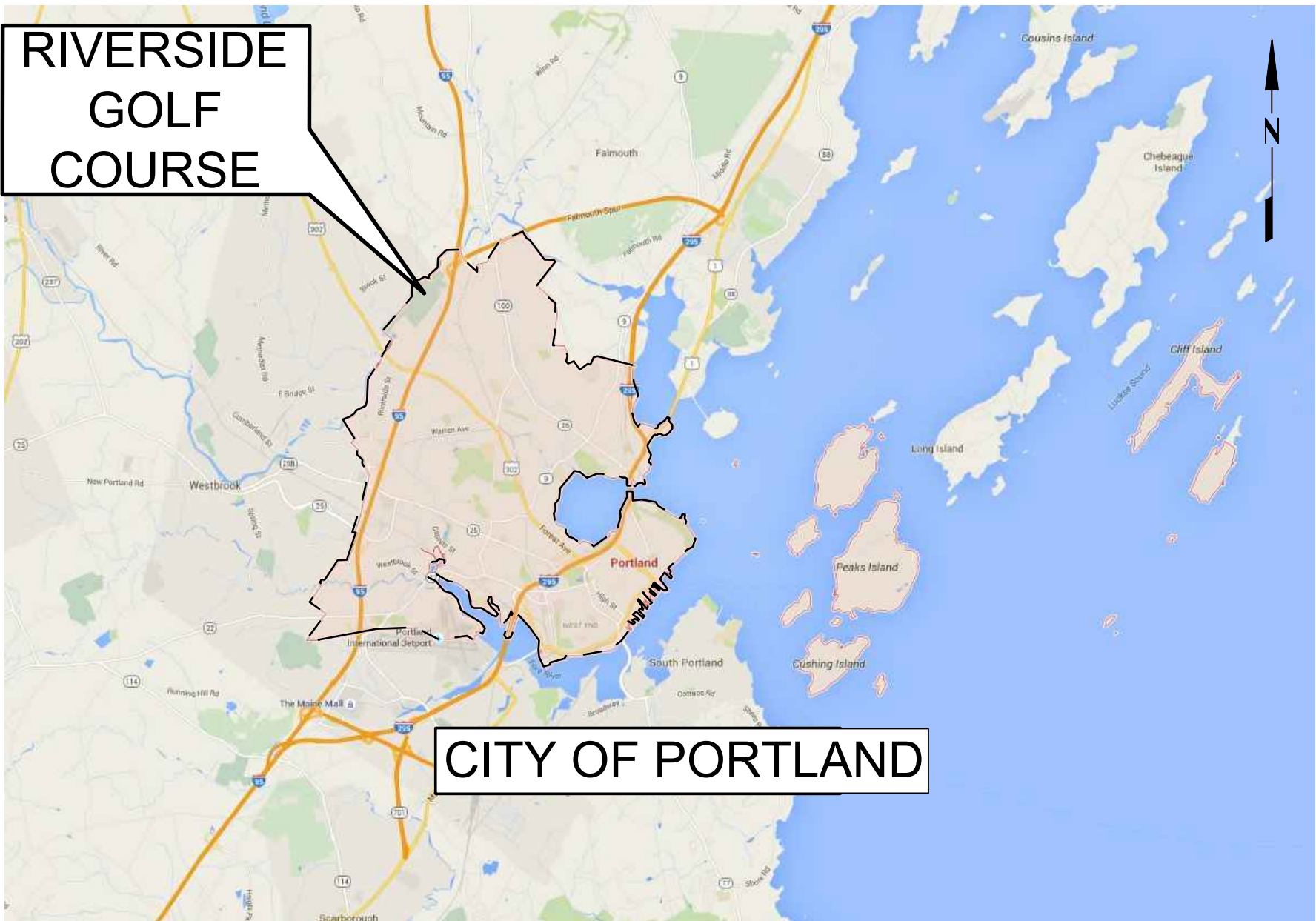
RIVERSIDE GOLF COURSE - NORTH COURSE

ADA RAMPS

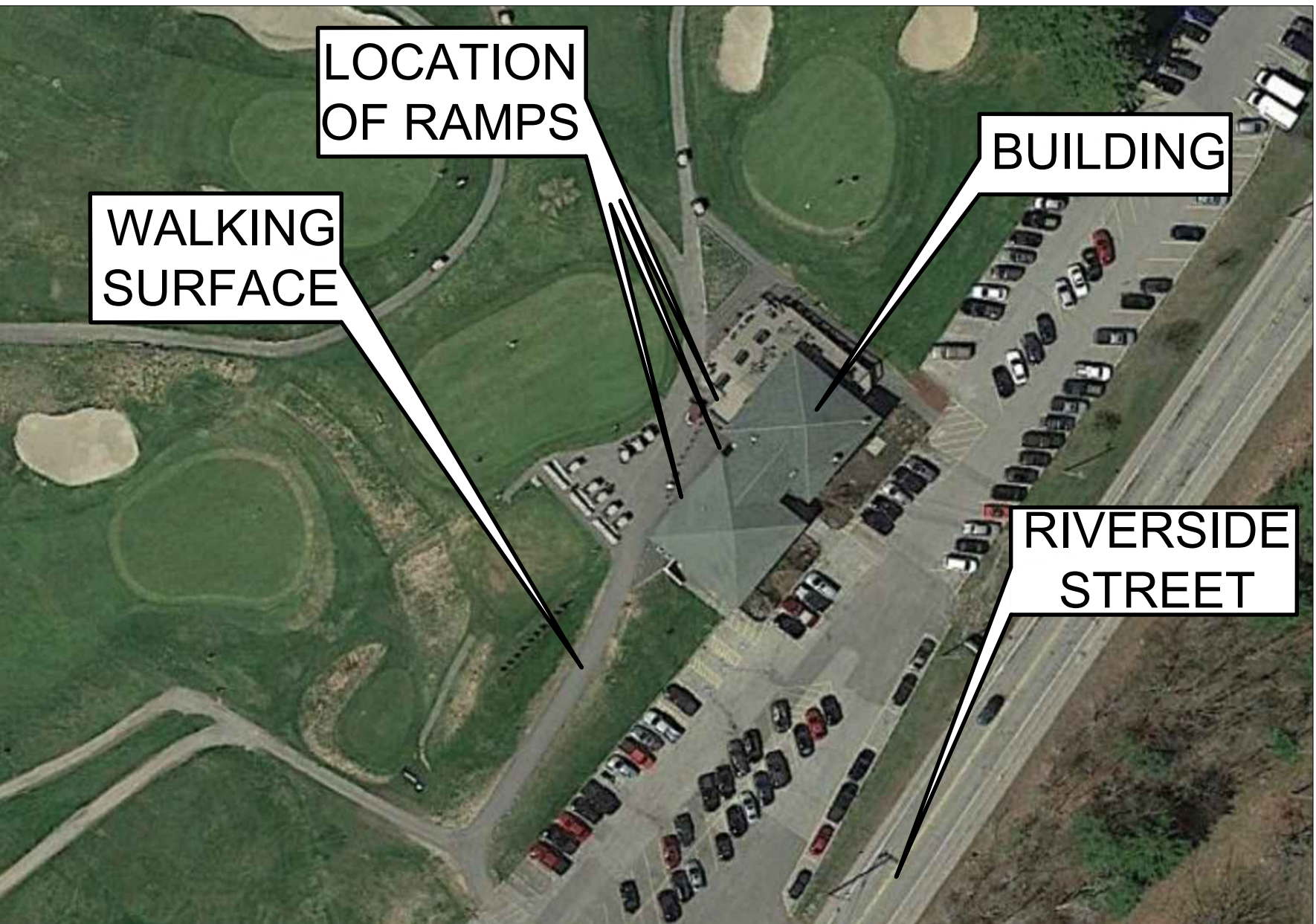
CITY OF PORTLAND, MAINE

PREPARED FOR:
CITY OF PORTLAND RIVERSIDE GOLF COURSE
1010 RIVERSIDE DRIVE
PORTLAND, ME 04103

PREPARED BY:
WOOD PLC
ENVIRONMENT AND INFRASTRUCTURE
SOLUTIONS
511 CONGRESS STREET, SUITE 200
PORTLAND, ME 04101



LOCATION MAP
NOT TO SCALE



AERIAL MAP
NOT TO SCALE

SHEET INDEX

SHEET NO.	SHEET TITLE	DRAWING NUMBER
G-001	COVER SHEET	01 OF 05
C-001	GENERAL NOTES AND LEGEND	02 OF 05
C-100	BUILDING / DECK ACCESS	03 OF 05
C-101	CIVIL WALKING SURFACE	04 OF 05
C-500	SITE DETAILS	05 OF 05

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CLIENT:

CURRENT ISSUE STATUS:
ISSUE FOR CLIENT REVIEW
03-26-19

PROJECT:
RIVERSIDE GOLF COURSE
ADA RAMPS
1158 Riverside Street, Portland, ME 04103

REV	DATE	REVISION ISSUE DESCRIPTION
B	03-26-19	ISSUED FOR CLIENT REVIEW
A	02-20-19	DRAFT

PROJECT NUMBER: 3616-19-8662
PROJECT MANAGER:
A/E OF RECORD:
DRAWN BY:
CAD FILE: G-001

TITLE:
COVER SHEET

DRAWING NO:
G-001
SHEET: 01 OF 05

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GENERAL SURVEY NOTES:

1. EXISTING CONDITIONS, TOPOGRAPHIC SURVEY PERFORMED BY WOOD PLC, ENVIRONMENTAL & INFRASTRUCTURE SOLUTIONS.
2. HORIZONTAL DATUM IS BASED ON MAINE STATE GRID COORDINATE SYSTEM, WEST ZONE, NAD83(2011) AND VERTICAL DATUM IS BASED ON NAVD88 OBTAINED BY SURVEY GRADE GPS OBSERVATIONS WITH OPUS SOLUTION.
3. THIS IS NOT STANDARD BOUNDARY SURVEY.

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL COORDINATE MATERIAL STORAGE AND LAYDOWN AREAS AND CONTRACTOR PARKING WITH GOLF COURSE REPRESENTATIVE. CONTRACTOR PARKING WITHIN THE WORK AREA OR IN THE ROAD RIGHT OF WAY WILL NOT BE PERMITTED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING GOLF COURSE TRAFFIC DURING THE CONSTRUCTION.
3. ALL CONSTRUCTION MATERIALS SHALL BE TRANSPORTED TO AND FROM THE SITE IN COVERED VEHICLES. THE CONTRACTOR SHALL SWEEP TO KEEP TRAFFIC AREAS CLEAN.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SECURITY OF PROJECT AREAS DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE O.S.H.A. REGULATIONS AND SAFETY REQUIREMENTS.
6. CONTRACTOR SHALL PROVIDE QUALIFIED PERSONNEL ON SITE CAPABLE OF PROVIDING HORIZONTAL AND VERTICAL CONTROL.
7. EXISTING PROPERTY AND RIGHT OF WAY PINS AND MONUMENTATION SHALL NOT BE DISTURBED BY CONSTRUCTION. IF DISTURBED, THEY SHALL BE RESET TO THEIR ORIGINAL LOCATIONS AT THE CONTRACTOR'S EXPENSE BY A REGISTERED MAINE PROFESSIONAL LAND SURVEYOR.
8. CONTRACTOR TO COORDINATE DISPOSAL OF EXCESS SURPLUS EXCAVATED MATERIAL WITH GOLF COURSE REPRESENTATIVE
9. WORKING HOURS SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF PORTLAND AND RIVERSIDE GOLF COURSE REQUIREMENTS.
10. CONSTRUCTION SHALL NOT BEGIN UNTIL THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES, AS SPECIFIED ON THE PLANS, HAVE BEEN INSTALLED.
11. THE CONTRACTOR IS RESPONSIBLE FOR CALLING DIG-SAFE (1-800-344-7233) 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTRACTOR IS ALSO RESPONSIBLE FOR CONTACTING OTHER NON DIG-SAFE MEMBER UTILITIES FOR UTILITY LOCATES 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. IN ADDITION, CONTRACTOR SHALL CONSULT AND COORDINATE WITH THE GOLF COURSE REPRESENTATIVE ABOUT KNOWN UNDERGROUND UTILITIES (I.E. SPRINKLER WATER LINE) WITHIN THE WORK LIMITS.
12. WHERE CONTRACTOR REMOVES EXISTING SITE FEATURES, THAT ARE TO REMAIN TO FACILITATE INSTALLATION OF WORK OF THIS PROJECT, CONTRACTOR SHALL REPLACE SUCH SITE FEATURES AT NO COST TO THE GOLF COURSE.

EROSION AND SEDIMENT CONTROL PLAN:

THIS PLAN HAS BEEN DEVELOPED TO PROVIDE A STRATEGY FOR CONTROLLING SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION OF THE PROJECT. THIS PLAN IS BASED ON STANDARDS AND SPECIFICATIONS FOR EROSION PREVENTION IN DEVELOPING AREAS AS CONTAINED IN MAINE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION: BEST MANAGEMENT PRACTICES, 2003.

LEGEND:

	EXISTING MAJOR CONTOURS
	EXISTING MINOR CONTOURS
	EXISTING BRUSH/TREELINE
	EXISTING BUILDING
	PROPOSED MAJOR CONTOURS
	PROPOSED MINOR CONTOURS
	SILT FENCE
	LIMIT OF WORK
	PROPOSED RAMP
	PROPOSED PAVED RAMP

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CLIENT:

ISSUE STATUS:
ISSUE FOR CLIENT REVIEW
03-26-19

**WERSIDE GOLF COURSE
ADA RAMPS**
1158 Riverside Street, Portland, ME 04103

[illegible]

PROJECT NUMBER: 3618-19-0682
PROJECT MANAGER:
A/E OF RECORD:
DRAWN BY:
CAD FILE: C-007

TITLE:

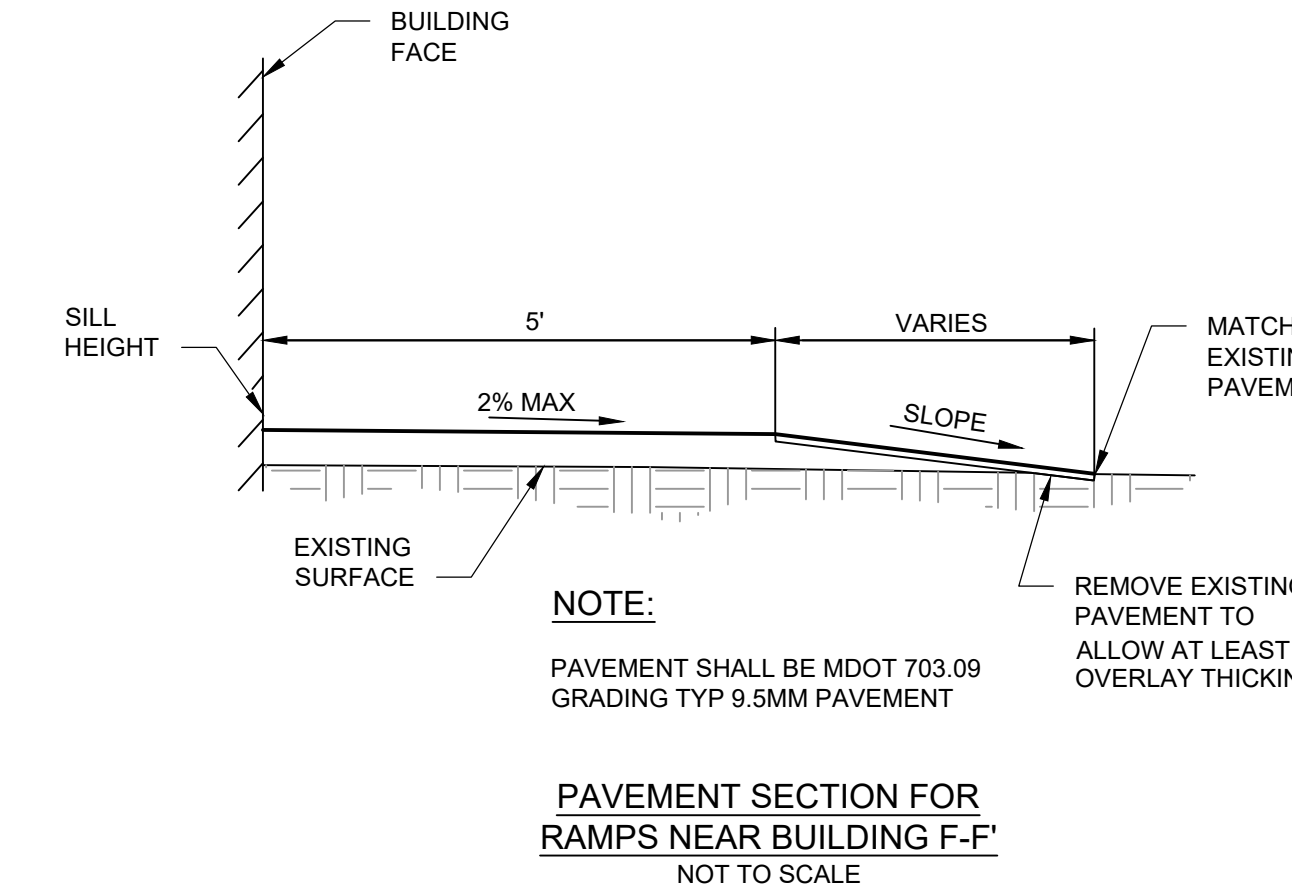
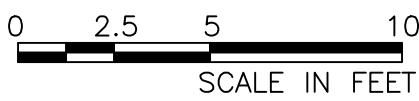
GENERAL NOTES AND
LEGEND

DRAWING NO:

C-001

SHEET:02 OF 05

NOT FOR CONSTRUCTION



PROJECT NUMBER: 3618-19-8682	
PROJECT MANAGER:	
A/E OF RECORD:	
DRAWN BY:	
CAD FILE:	C-100
TITLE:	
BUILDING/ DECK ACCESS	
DRAWING NO:	
C-100	
SHEET:03 OF 05	

NOT FOR CONSTRUCTION

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CLIENT:

ISSUE STATUS:
ISSUED FOR CLIENT REVIEW
03-26-19

**SEASIDE GOLF COURSE
ADA RAMP**
1158 Riverside Street Portland, ME 04103

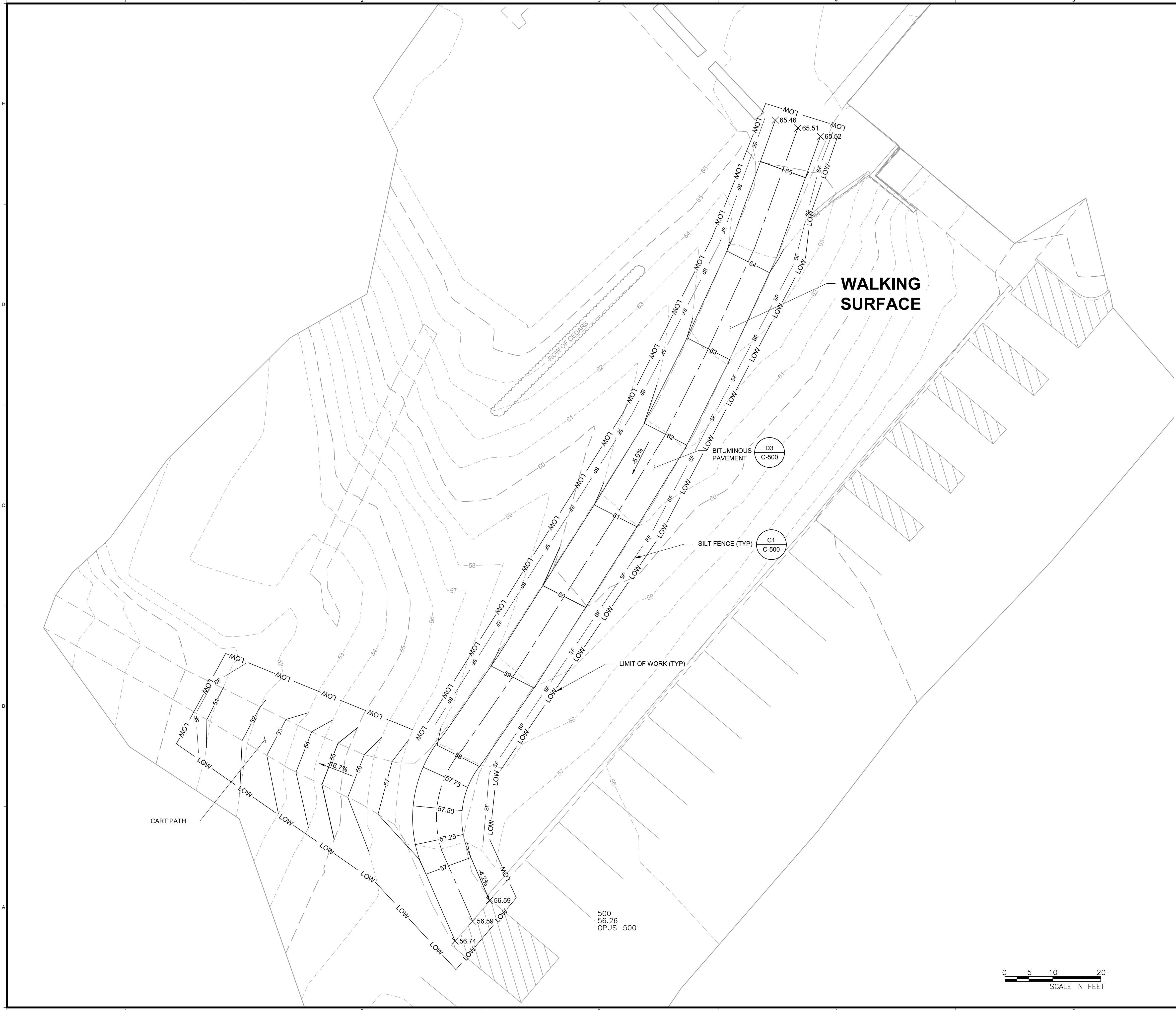
ADA RAMPS

CURRENT ISSUE STATUS:

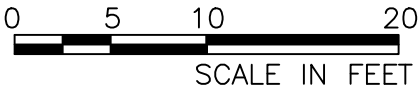
PROJECT:

B	ISSUED FOR CLIENT REVIEW	03-26-19
A	DRAFT	02-20-19

PROJECT NUMBER: 3618-19-8682	
PROJECT MANAGER:	
A/E OF RECORD:	
DRAWN BY:	
CAD FILE:	C-100
TITLE:	
BUILDING/ DECK ACCESS	
DRAWING NO:	
C-100	
SHEET:03 OF 05	



- NOTES:**
- CART PATH REMOVE EXISTING PAVEMENT AND FINE GRADE WITH TYPE "B" GRAVEL TO SHAPE PROPOSED SLOPE.
 - FOR WALKING SURFACE:
 - CONTRACTOR SHALL REMOVE PAVEMENT IN AREAS WHERE A MINIMUM OF ONE INCH OF MDOT 9.5 DOES NOT FIT AND USE FULL THREE INCH PAVEMENT BUILD UP.
 - IN AREAS WHERE MORE THEN 3 INCH IS REQUIRED TO MEET PROPOSED GRADE, CONTRACTOR CAN DECIDE TO REMOVE PAVEMENT AND SHAPE WITH GRAVEL, MDOT "TYPE B" OR INCREASE PAVEMENT THICKNESS.
 - IN AREA WHERE PROPOSED GRADE LESS THAN EXISTING GRADE, CONTRACTOR SHALL REMOVE PAVEMENT AND PLACE GRAVEL BASE TO GRADE TO ALLOW 3 INCH PAVEMENT BUILD UP.
 - WALKING SURFACE SHALL MEET ADA CHAPTER 4 REQUIREMENTS AS OUTLINE BELOW:
 - MAXIMUM CROSS SLOPE FOR WALKING SURFACE SHALL NOT EXCEED 1:48.
 - MAXIMUM LONGITUDINAL SLOPE FOR WALKING SURFACE IS 5.0%.



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CLIENT:

CURRENT ISSUE STATUS:
ISSUED FOR CLIENT REVIEW
03-26-19

PROJECT:
RIVERSIDE GOLF COURSE
ADA RAMPS
1159 Riverside Street, Portland, ME 04103

REV	DATE	DESCRIPTION
B	03-26-19	ISSUED FOR CLIENT REVIEW
A	02-20-19	DRAFT
REV		REVISION ISSUE DESCRIPTION

PROJECT NUMBER: 3618-19-8682

PROJECT MANAGER:

A/E OF RECORD:

DRAWN BY:

CAD FILE: C-101

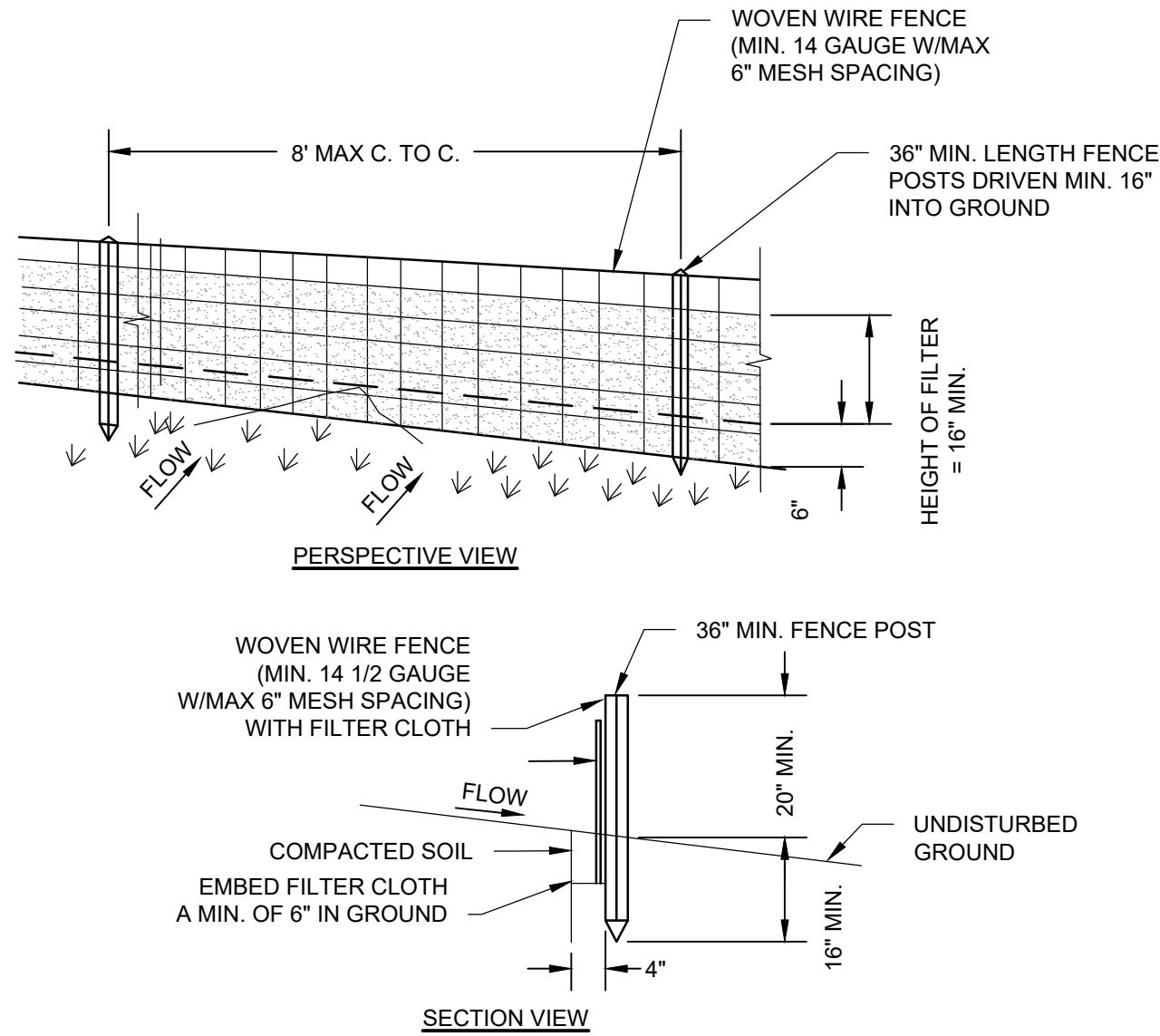
TITLE:
CIVIL
WALKING SURFACE

DRAWING NO:
C-101

SHEET: 04 OF 05

NOT FOR CONSTRUCTION

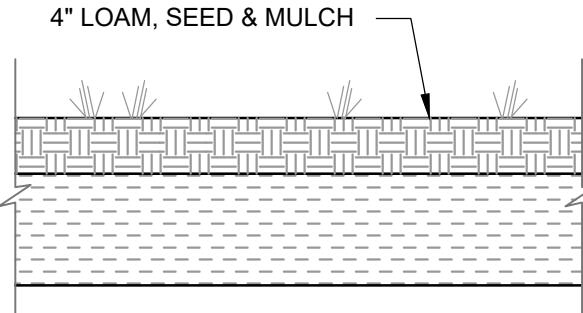
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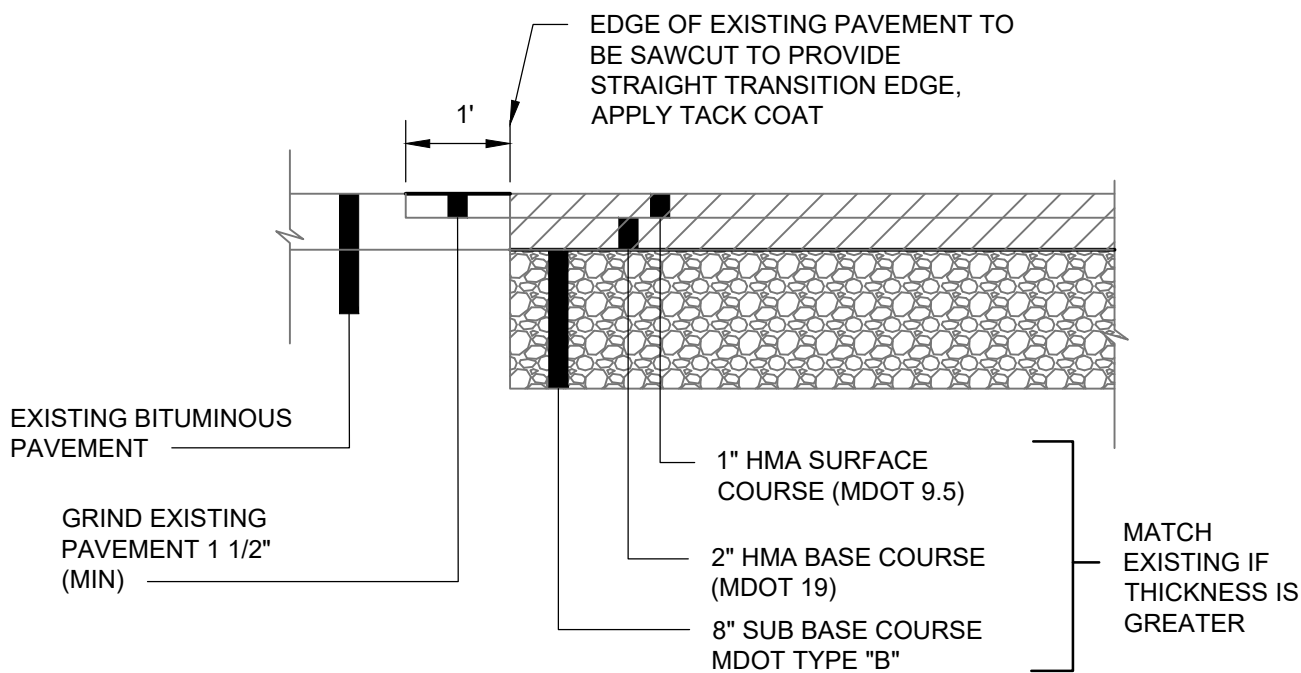
NOTES:

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER 'T' OR 'U' TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAF1 100x, STABILINKA T140N, OR APPROVED EQUAL.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN 'BULGES' DEVELOP IN THE SILT FENCE.

C1 SILT FENCE
NOT TO SCALE



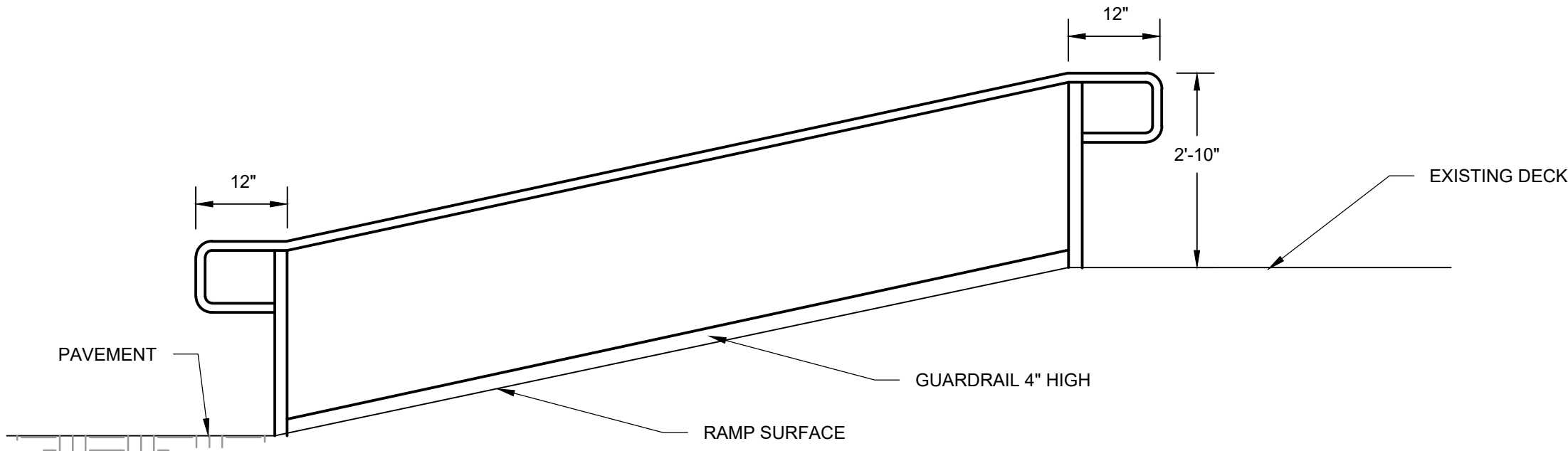
B1 LOAM AND SEED
NOT TO SCALE



BITUMINOUS PAVEMENT FOR RAMP AND CART PATH

NOT TO SCALE

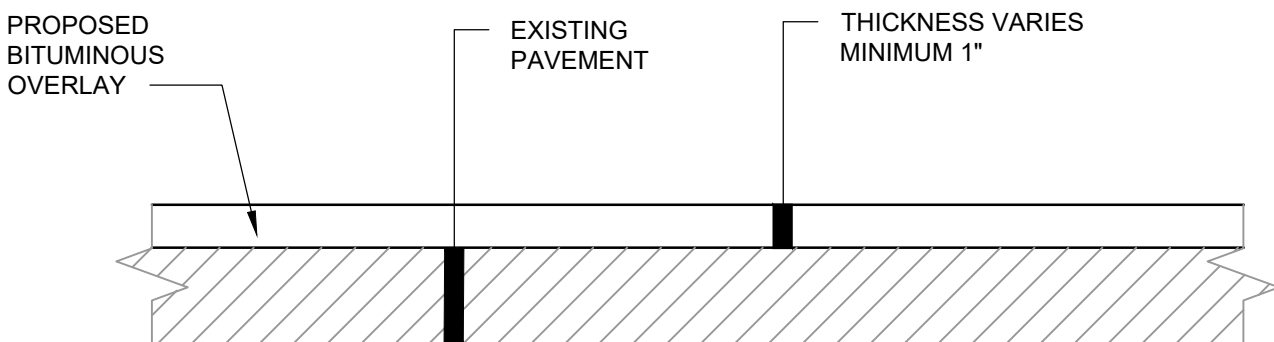
- * THIS DETAIL ONLY APPLIES WHERE DIFFERENCE BETWEEN PROPOSED GRADE AND EXISTING GRADE REQUIRES FULL BUILD UP



NOTES:

1. MATERIAL TO MATCH EXISTING RAILING SYSTEM ON PATIO.
2. RAMP HANDRAIL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12" MINIMUM BEYOND THE TOP AND BOTTOM OF THE RAMP RUN.
3. GUARDRAIL CAN BE QUARTER INCH PLATE THAT EXTENDS TO 4" ABOVE RAMP SURFACE, BUT BOTTOM SHALL BE KEPT UP A MINIMUM OF 1/2 INCH UP FROM DECK.
4. HANDRAIL SHALL BE AT SAME SLOPE AS RAMP AND 34 INCHES ABOVE THE RAMP SURFACE.
5. CONTRACTOR TO SUBMIT RAILING SHOP DRAWING FOR APPROVAL.

C3 PATIO DECK RAMP RAILING
NOT TO SCALE



BITUMINOUS PAVEMENT OVERLAY

A3 NOT TO SCALE

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CLIENT:

ISSUED FOR CLIENT REVIEW
03-26-19

PROJECT: RIVERSIDE GOLF COURSE
ADA RAMPS
1158 Riverside Street, Portland, ME 04103

CURRENT ISSUE STATUS:

REV	REVISION	DATE
B	ISSUED FOR CLIENT REVIEW	03-26-19
A	DRAFT	02-20-19

PROJECT NUMBER: 3618-19-8682
PROJECT MANAGER:
A/E OF RECORD:
DRAWN BY:
CAD FILE: C-500

TITLE:
SITE DETAILS

DRAWING NO:
C-500
SHEET: 05 OF 05

NOT FOR CONSTRUCTION

Project Title **ID**

Portland Public Aquatics - New Pool Engineering / Planning

Parks, Rec & Public Assembly**Division** Aquatics**Classification** Facilities**Project Description**

The City has undertaken an effort to make significant improvements at Portland's only public outdoor pool, the Kiwanis Pool. Several alternatives are being reviewed to make enhancements to the approximately 50 year old facility.

Project Justification

This \$50,000 would be used to investigate potential options and serve as an initial contribution towards future enhancements. Initial feedback received from the public and constituents was as follows:

- Children and families are primary users, current pool limits areas they can use because of the lack of shallow water and 1:1parent/child ratio.
- Expanding play area for young children is a priority
- Public interest in lap lanes with deep water
- Focus on families with children
- Zero depth entry
- More shade and tables on the pool deck
- Outdoor lighting
- Updated bathhouse and family changing rooms
- Security fencing
- Outdoor concessions
- Climing wall or larger slides / more amenities for older children and teenagers

Other considerations as well as a powerpoint from Counsilman-Hunsaker is attached

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 Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$50,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$50,000			

Other Funding Source Description

Operating Budget Impact

Potential reduction in annual maintenance costs related to the pool. Other potential operating impacts would depend on solution chosen.

Project Title ID 216415

Dougherty Field Irrigation



Parks, Rec & Public Assembly

Division Parks

Classification Parks, Fields, Trails

Project Description

Add a complete irrigation system to the multi-use field section of the park.

Project Justification

Dougherty Field is one of our most diverse parks in the City with a Pool, Skate Park, 4 baseball diamonds, a large multi-use field and a basketball court. The field was originally built back in the early-mid 1900's and we had made some improvements as recent as 2008 with field reconfigurations. No records indicate any soil enhancements were done, which has made this field extremely difficult to grow healthy grass without irrigation. A large amount of the field contains high levels of clay. This irrigation project will allow our Ballfields crew to devote time to slice seeding, aerification and better mowing practices to get the turf up to the condition of some of the other fields in the city. Currently, the turf consists of predominantly broadleaf and annual grassy weeds where we would prefer to introduce new turfgrass varieties.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$45,700		\$45,700

Funding Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2021					☐
2022		\$45,700			☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$45,700			

Other Funding Source Description

Operating Budget Impact

Budget impact in water utility of \$2,000/yr.

Project Title ID 216417

Box Boom Lighting Project

Parks, Rec & Public Assembly

Division Merrill Auditorium

Classification Equipment

Project Description

Lighting is an integral aspect of any theatrical production, it is said "Theater without lighting is just radio". Lighting technology has made significant advances since this lighting position was installed at Merrill. It is important for us to stay up to date with current standards so we can accommodate the needs of modern touring productions.

Project Justification

The current proposal is to replace our existing lighting units that are on towers on either side of the auditorium. The lighting units we are proposing to purchase are the LED version of ETC's Source Four ellipsoidal, these units use a fraction of the power that the current units use and generate far less heat than current lighting fixtures while providing greater lumen output. The current inventory uses lamps that need to be replaced and the heat they generate needs to be counteracted with additional air conditioning.

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 Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$40,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$40,000			

Other Funding Source Description

Operating Budget Impact

N/A

Project Title ID 216416

Rubber Flooring Completion - Ice Arena



Parks, Rec & Public Assembly

Division Ice Arena

Classification Facilities

Project Description

The Trough Ice Arena began the process of replacing the rubber flooring in the lower level last year. Half of the project was completed in the Spring of 2019. The remaining half, which includes the locker rooms, referee room, birthday party room and skate sharpening room still need to be completed.

Project Justification

The current conditions of those areas left are deteriorating compressed rubber seen in the pictures. The surfaces are no longer able to be floor scrubbed as the friction does not allow it. The new vulcanized rubber is not porous and even with skate marks can be cleaned with our floor scrubber and swept without ease. The porous rubber of our current flooring has also led to deterioration of our doors and door jams in the shower areas. The attached quotes are to replace those before adding the new rubber so that the frames no longer rust and disintegrate on the floor. The attached quote is from the same company that performed the first stage of the flooring project, FJ Roberts. The Door frame work is quoted from Disanto & Son's.

This would complete the replacement of all the mats at the Trough Ice Arena.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$37,500		\$37,500

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>
2021		\$37,500			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$37,500			

Other Funding Source Description

Operating Budget Impact

N/A

Project Title ID 216408

Payson Park Tennis & Basketball Courts Sealing/Painting



Parks, Rec & Public Assembly

Division Parks

Classification Parks, Fields, Trails

Project Description

Complete resealing and repainting of 1 Basketball Court and 7 Tennis Courts.

Project Justification

Payson Park Basketball and Tennis Courts is a very central location for the community to play their respective sport whether it is Tennis, Basketball or Pickleball. Payson, in particular, is an incredibly popular location that shows it with the wear and tear on the surfacing there today. All pictures are showing asphalt through the surfacing as well as micro cracks that expand every year. These cracks will result in complete reconstruction if a regular application of sealant and resurfacing is not done to maintain them. The wear is also making the playing surface unpredictable to folks using the space. We will add Pickleball lines to all our tennis courts now in an attempt to diversify the groups that use our facilities.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$29,400		\$29,400

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$29,400			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$29,400			

Other Funding Source Description

Operating Budget Impact

N/A

Project Title ID 216405

Longfellow Playground Climbing Net



Parks, Rec & Public Assembly

Division Parks

Classification Equipment

Project Description

Longfellow School had it's playground installed back in the early 2000's and the piece of equipment that gets the most use is the climbing structure. This structure is a dome frame with an interior climbing net. The netting at the bottom has sustained irreparable damage from consistent wear. This particular piece does not allow for segment replacement so the entire net would need to be swapped out at roughly, \$18,000 for materials.

Project Justification

Unfortunately, this structure is not as desirable as some of the new pole ones as the kids seem to fall from the outside of the dome. The new pole strucutes are what we install now as they are much safer and user friendly. We can install a brand new single pole structure for only a small percentage more money that will last us another 20 years.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$26,300	\$26,300

Funding Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$26,300			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$26,300			

Other Funding Source Description

Operating Budget Impact

N/A

Project Title ID 194958

East Coast Greenway Baxter Blvd/Back Cove to Martins Point



Planning & Urban Development

Division Transportation

Classification Transportation

Project Description

Create short-to mid term bikeway facilities from Baxter Blvd/Back Cove Trail to the Martin's Point Bridge to serve as the East Coast Greenway link connecting Portland and points north (to Calais, Maine). The bikeway/walkway should serve the "interested but concerned" cyclists who are typically lower skilled and like higher degrees of separation from motor vehicle traffic. These two projects will complement MaineDOT's I-295 and Veranda Street projects in 2020/2021.

Project Justification

A prior feasibility study to provide an upgraded East Coast Greenway connection between the Back Cove Trail/Tukey's bridge was approx. \$4M. Given funding constraints, a mid-term time frame and more affordable approach is to upgrade street crossings and road configurations from the Back Cove Trail at-on Baxter Blvd/Bates Street and on Veranda Street to match with the MaineDOT's replacement of the I-295 overpass at Veranda Street and Veranda Street's reconfiguration.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$15,000		\$100,000		\$115,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$15,000			☐
2022		\$100,000			☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$115,000			

Other Funding Source Description

Operating Budget Impact

On and along the road bikeway facilities will marginally impact annual operating budgets primarily through additional street sweeping, pavement marking and signage maintenance.

Project Title ID 173566

Hadlock Lighting Upgrades (100% Funded by Sea Dogs

Public Buildings & Waterfront

Division Hadlock Field

Classification Equipment

Project Description

Replace/Upgrade 28 yr old field lighting.

Project Justification

Currently the lighting system consist of 208 fixtures with 1- 1500 watt Metal Halide Bulb, 1 ballast, 1 capacitor per fixture. The existing system has high energy and maintenance cost, large volume of light pollution and does not meet the current standards per the leagues requirements or city ordinance. (See attached lighting plan)

New LED technology would reduce the number of fixtures by 50%, reduce light pollution 40-50%, reduce light bulb maintenance cost over the next 15 yrs to zero. 2002-2017 Field Lighting Maintenance cost 355K.

A lift would need to be rented every 5 yrs to inspect the condition of the wiring and overall pole condition. Rental cost is approx 8K. Currently we rent a lift annually.

5 Year Cost Summary

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

Funding Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$350,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$350,000			

Other Funding Source Description

Operating Budget Impact

There's the potential of up to 30K in Efficiency Maine funds to offset some cost.

Reducing the lighting maintenance allows for funding to make other improvements that are needed in a 24 yr old facility.

Project Title ID 141336

Expo Roof Repairs Phase 1

Public Buildings & Waterfront

Division Exposition Building

Classification Facilities

Project Description

Structural Engineering Services/ Roofing Consultant

Replace 28,000 sq ft of EPDM (rubber)



Project Justification

The roof is beyond its life expectancy of 25-30 yrs. This roof is 33-35 yrs old.

Maintenance cost since 2013 is approx 75K

The roof was installed in 1987 requiring costly repairs annually. This location is home to the Red Claws and many other events. When roof leaks appear during an event/game it becomes problematic as there are athletes/events on the floor.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$50,000		\$350,000		\$400,000

Funding Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2020		\$50,000	\$50,000		☒
2021		\$350,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$400,000	\$50,000		

Other Funding Source Description

Operating Budget Impact

Replacement costs have been calculated using the estimating tool RS Means.

Project Title ID 184067

Pile Jackets -OG

Public Buildings & Waterfront

Division Waterfront

Classification Equipment

Project Description

Remove the rust from the 40 yr old steel piles. Coat and wrap with a liner above the waterline.

Project Justification

"Pile Jackets" prevent exposed steel from rusting. The piles are salvageable now, however there will be a time soon that they would need to be replaced. Pile Jackets will extend the life by 10 + yrs.

5 Year Cost Summary

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

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$225,000			☐
2022					☐
2023		\$225,000			☐
2024					☐
2025					☐
2026					☐
Total		\$450,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 205451

250 Canco Rd Roof Replacement Phase 1 of 2

Public Buildings & Waterfront

Division Canco Road

Classification Facilities

Project Description

Cover the existing 32 yr old tar and gravel roof. Install high density polyiso insulation, add EPDM rubber over the entire surface.

Approx 23,000sqft.

Project Justification

With the intense rain on 9/10-11/18 the roof had mulitple leaks. Due to the type of roof construction the water continued to leak for another 72hrs. This will create extesive roof structure damage overtime. Tar and gravel applied roofs of this vintage are impossible to repair. The consenus of why these leaks have recently appeared is from expansion due to intense sunlight. This portion of the roof is over the new offices and work area for Fleet Maintenance.

Engineering - 5,000

EPDM Roof- 120,000

Remove and patch existing vents - 15,000

Add OSHA approved access - 30,000

2025- Replace original roof on the main building.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$650,000		\$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>
2021		\$200,000			☐
2022					☐
2023					☐
2024					☐
2025		\$450,000			☐
2026					☐
Total		\$650,000			

Other Funding Source Description

12-\$ 14.00 per sq ft based on 8/12/2018 pricing and confirmed through the estimating tool RS Means.

Operating Budget Impact

Leak calls will result in 3-5k each time the roof leaks. The unseen damage overtime will result in structual repairs.

Project Title **ID** 216343

Fire Alarm Replacement Merrill & City Hall

Public Buildings & Waterfront

Division Merrill

Classification Facilities

Project Description

Replace obsolete fire alarms at both Merrill and City Hall

Project Justification

The fire alarm system at Merrill was built off from an existing fire alarm system in City Hall. This was a cost savings measure at the time, however 20 yr old technology was used in Merrill to make this happen. Therefore both facilities have obsolete system that are not reliable and are becoming problematic.

This is a priority has City Hall as no other source of fire protection.

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>
2021		\$150,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$150,000			

Other Funding Source Description

Operating Budget Impact

The quote for this project was provided through the SourceWell purchasing program. I find the pricing to be very favorable to the city.

Project Title ID 173579

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

Public Buildings & Waterfront

Division Waterfront

Classification Marine

Project Description

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

Project Justification

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

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

5 Year Cost Summary

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

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2017		\$170,000	\$170,000		☒
2019		\$225,000	\$150,000		☒
2021		\$225,000			☐
2022		\$225,000			☐
2023		\$225,000			☐
2024		\$225,000			☐
2025					☐
2026					☐
Total		\$1,295,000	\$320,000		

Other Funding Source Description

Operating Budget Impact

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

Project Title ID 152255
Offices & Customer Service Areas A/C Installation

Public Buildings & Waterfront

Division City Hall
Classification Facilities

Project Description

Managers Office- Install" mini splits" for proper cooling and supplemental heat as needed.
State of Me Rm- Install mini splits for cooling only

Project Justification

It's upsurd how were trying to cool this facility. With today's technology we can do a much better job for our employees and the public while drastically reducing our energy cost. Mechanical technology today allows for minimal disruption during installation, and provides a professional well thoughtout plan.

This technology can be phased in over a couple yrs if need be, this is the most practicle approach for this facility.

The State of Me room is mostly off limits in the summertime, due to no air conditioning. It's not practicle to open windows as you can't have a conversation due to the outside commotion.

5 Year Cost Summary

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

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2020		\$150,000	\$200,000		☒
2021		\$150,000			☐
2022		\$80,000			☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$380,000	\$200,000		

Other Funding Source Description

Operating Budget Impact

Eliminate the need for outside engineering cost by using the RFP procurement process. Mechanical contractors have in house engineers that provide the engineering for projects of all sizes and scope.
Phase this work in over the next 3 budget cycles. It's time and it's needed..

Project Title ID 173582

Compass Park Ongoing pile/pier work



Public Buildings & Waterfront

Division Waterfront

Classification Marine

Project Description

Repair concrete/wood decks as needed.

Project Justification

3,000 sqft of Boardwalk needs replacing Eastside under pier needs attention. Piles and caps have failed.

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>
2018		\$100,000			☒
2020		\$100,000	\$100,000		☒
2021		\$100,000			☐
2022		\$200,000			☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$500,000	\$100,000		

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 152244
Structural Repairs/Roof Covering - Hadlock

Public Buildings & Waterfront

Division Hadlock Field

Classification Facilities

Project Description

Hadlock Stadium structural review in FY19 indicates the need for ongoing work..

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 and stringers

These components are 26+ yrs old and have lasted well based on the facility design. It's time for replacement and upgrades where possible.

Residential grade metal roofing is well beyond it's life span. This should be covered with EPDM ASAP.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$490,000		\$490,000

Funding 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			☒
2021		\$150,000			☐
2022		\$150,000			☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$490,000			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 205630

250 Canco Rd Portable Generators

Public Buildings & Waterfront

Division Canco Road

Classification Facilities

Project Description

Purchase 2 Portable Trailer Type Generators 1 in 2021 the other in 2026.

Project Justification

In leiu of installing a permanent generator use a portable that is sized properly for this site. The transfer switches and e-panels are all in place as part of the renovation/addition.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$170,000	\$170,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$85,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026		\$85,000			☐
Total		\$170,000			

Other Funding Source Description

Operating Budget Impact

Using portable generators are becoming more common as fixed generators are costly, have building code challenges and tend to have extremely low hrs on them. Having the flexibility to relocate or use them for large events is far more practice.

Project Title ID 216345

Replace Hot Water Tank

Public Buildings & Waterfront

Division Exposition Building

Classification Facilities

Project Description

Replace the 50 yr old storage tank and hot water heater.

Project Justification

The existing systems are not able to keep up with the requirements of semi pro leagues.

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>
2021		\$60,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$60,000			

Other Funding Source Description

Operating Budget Impact

Maybe Celtics caould pay for this?????

Public Works

Division Engineering

Classification Transportation

Project Description

The total cost to the City for Woodfords Corner project completion is \$568,591.07. \$454,872.86 is requested to pay this final balance from Transportation, with another \$113,718.21 coming from Water Resources.

Project Justification

With the determination that additional infrastructure was failing along the side streets coming into Woodfords Corner and a number of other unforeseen costs coming into play, project costs increased during construction. The total cost to the City of \$2,653,684.09 represents 45% of the total final transportation project costs.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$388,737	\$500,000	\$5,058,923		\$5,947,660

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021	\$5,492,787	\$454,873			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total	\$5,492,787	\$454,873			

Other Funding Source Description

\$454,872.86 is requested to pay this final balance from Transportation

Operating Budget Impact

Utilities have been renewed, streets reconstructed, and signals updated or replaced. Operating budget needs at this location should be minimal for the next 20 years or so.

Project Title

ID 216431

PACTS Congress Street Downtown Signals - Add Funding

Public Works

Division

Engineering

Classification

Transportation

Project Description

20% Increase in Funding Needed for PACTS Downtown Signals at Forest, Elm, Preble, Temple

Project Justification

Increase in construction costs for Traffic Signals

5 Year Cost Summary

Planning	Land	Construction	Equipment	Est Total Cost
		\$809,250		\$809,250

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021	\$634,250	\$175,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total	\$634,250	\$175,000			

Other Funding Source Description

Existing Funding for PACTS Bus Signals (Downtown) : \$634,250

Operating Budget Impact

Updated signals need fewer overtime call-ins.

Project Title ID 216421
PACTS Deering's Corner (USM) Roundabout

Public Works

Division Engineering

Classification Transportation

Project Description

Construction of a Roundabout to replace the existing traffic signals at the Deering Brighton Avenue, Falmouth Street intersection and the improvements at the Deering Avenue, Bedford Street Intersection. This is a PACTS funded project as part of their 2016-2018 TIP(\$2,151,600). There is a 25% local match, City Funded \$767,200 in 2018 CIP. USM also Funded \$150,00 pre 2016. City increased it's share in 2019 CIP \$100,000. Anticipated cost increase because of the delays of putting project out to bid have driven the price of construction higher. PACTS has increased their share so the overall Funding is now \$3,272,236, with City's 25% - 818,059 (ToDate 867,200 appropriated). New Estimate (10/19) is \$3,634,241 plus 10% for construction engineering and \$90,000 For ROW.

Project Justification

The Deering-Brighton Avenue, Falmouth Street intersection poorly serves motorists, bike/ped and transit users due to it's current design and infrastructure. In 2013 City Council adopted the Roundabout as part of the Master Plan with 2 Roundabouts. The current design is for 1 Roundabout in order to achieve cost efficiencies.

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>
2021		\$200,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$200,000			

Other Funding Source Description

Original Total (Includes PACTS & City) \$2,868,800 (City \$717,200)
New Total Available (Includes PACTS & City) \$3,272,236 (City \$818,059)
New Estimate with Construction \$3,834,241, Construction Engineering \$363,241, & ROW \$90,000 Costs = \$4,287,665
Potential additional 10% PACTS Funding of PACTS Total (75% PACTS 25% City), \$327,223 Potential New Available Total \$3,599,460

Operating Budget Impact

This project eliminates electricity costs for traffic signals and reduces risk of traffic crashes at this location. The pavement of much of this intersection is needs to be replaced so maintenance costs will be reduced.

Project Title ID 216235

PACTS MPI - Washington Avenue (Presumpscot to Veranda)

Public Works

Division Engineering

Classification Transportation

Project Description

Street pavement rehabilitation by 'mill and fill' (1.5 inch surface overlay), new pavement markings to delineate vehicle lanes and an on-road bike lane, replacement of various locations of sidewalk, and upgrades to curb ramps to meet ADA requirements on Washington Avenue between Presumpscot Street and Veranda Street, approximately 0.21 miles.

Project Justification

The street condition in this area has deteriorated substantially since a maintenance shim was done here a few years ago. This is a highly used arterial and a key connector to the I-295 freeway and often sees heavy use by semi-trucks which has added to the deterioration here. With the recently completed paving on Washington Avenue, this one last piece would complete improvements on this road. PACTS MPI funding was awarded for a portion of this project so leveraging City funds for a local match is a good use of local funding.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$5,000		\$357,248		\$362,248

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021	\$112,248	\$250,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total	\$112,248	\$250,000			

Other Funding Source Description

\$97,248 from PACTS

\$15,000 from storm water work (manhole adjustments) requested separately

\$250,000 new CIP request

Note: The new request includes 10% contingency and 10% staff time on the estimated project total.

Operating Budget Impact

Less maintenance funding required for pothole and shimming in this area.

Project Title ID 205708
PACTS MPI Brighton Ave. (Holm to Westbrook)

Public Works

Division Engineering

Classification Transportation

Project Description

Pavement rehabilitation with a treatment of a 2" mill/fill, reconstruction of curb ramps to meet ADA requirements, reconstruction of approximately 650 linear feet of sidewalk to improve drainage and accessibility, and new pavement markings to delineate vehicle lanes and on-road bikeways on Brighton Avenue beginning at Holm Avenue and extending westerly 0.30 of a mile to the Westbrook town line.

Project Justification

The pavement condition in this area was rated very poor in 2014 and should be improved to provide a better ride for motorists and bicyclists. Sidewalk improvements will provide safer accessibility for pedestrians. Infrastructure funds have been allocated for sidewalk work in this area and will supplement local funding. In addition, provisions of local match will allow for added funding to provide for projects that the City would likely be unable to undertake on its own.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$51,600		\$397,450		\$449,050

Funding 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	\$108,450	\$180,750	\$180,750		☒
2021	\$94,850	\$65,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total	\$203,300	\$245,750	\$180,750		

Other Funding Source Description

\$108,450 from PACTS

\$19,850 from storm water work (manhole adjustments) requested separately

\$180,750 previous CIP allotment

\$75,000 from IN funds

\$65,000 new CIP request

Note: The new request includes a 20% contingency on the estimated construction total. Plus staff time

Operating Budget Impact

Improvements to City infrastructure reduces annual maintenance costs/issues.

Public Works

Division Engineering

Classification Transportation

Project Description

Street pavement rehabilitation by ‘mill and fill’ (1.5 inch surface overlay) ADA upgrades to all non-compliant intersections, and new pavement markings to delineate vehicle lanes and on-road buffered bikeways. Any required curb improvements will also be improved as required as part of this project.

Project Justification

The primary objectives are riding surface improvement and pavement preservation. Recent trench work in the area has deteriorated the road further than our previous evaluation and the road is in need of repair. In addition, new striping for vehicles and bike lanes will make sure the area is safer. Improving the surface condition of the road makes sense once the signal and ADA improvements are complete because then the entire limits of this project will be improved. This is an important Arterial with a high AADT so this improvement will affect a large population of motorists, bicyclists, and pedestrians.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$50,000		\$582,752		\$632,752

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021	\$247,752	\$385,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total	\$247,752	\$385,000			

Other Funding Source Description

\$212,750 from PACTS MPI

\$10,000 for design from TIF

\$25,000 for storm water work (manhole adjustments) requested separately

\$385,000 new request

Note: The requested funding includes a 10% contingency and 10% for staff time charges.

Operating Budget Impact

Improving this road will reduce the maintenance required on this road such as pothole repair.

Project Title ID 184326

PACTS Collector Paving - Washington Avenue (Reagan to Riverside)

Public Works

Division Engineering

Classification Transportation

Project Description

The 75% leveraged project area is Washington Avenue between Reagan Lane and Riverside Street. This project would entail milling to remove the existing pavement surface and constructing a new surface pavement layer. In addition, all curb ramps will be evaluated and improved to meet Federal ADA requirements. City's 25% Local Match is estimated at \$156,415

Project Justification

The project is needed to improve and maintain the pavement condition on Washington Avenue and is highly leveraged. This section has an average PCI of 60 and in areas goes as low as 48. The part of the street has not been paved in approximately 20 years and the City continuously receives complaints about the condition in this section. Paving activity triggers adjustment and/or repair of sewer & stormwater structures. These are ineligible costs and are entirely borne by the City. Water Resources companion request for 5% of project value above & beyond our Local Match.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$10,000		\$778,282		\$788,282

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021	\$523,282	\$265,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total	\$523,282	\$265,000			

Other Funding Source Description

\$492,282 from PACTS

\$31,000 from storm water work (manhole adjustments) requested separately

\$265,000 new CIP request

Note: The new request includes a 20% contingency on the estimated project total.

Operating Budget Impact

This project should reduce the need for City resources to make emergency pavement repairs over the next 10 years or more.

Project Title ID 173596
Traffic Signal Upgrades with Paving Programs

Public Works

Division Engineering

Classification Transportation

Project Description

For FY21:

\$50,000 for Walton at Stevens detection updates

\$100,000 for Brighton at Barron Center for detection, wiring, new cabinet

Project Justification

This request will be to provide updates at the intersection of Walton and Stevens Avenue.

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

Beginning in FY17, the City sought to keep separate various types of funding for each "type" of corridor improvement.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$200,000			\$1,860,000	\$2,060,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2017		\$185,000	\$150,000		☒
2018		\$210,000	\$210,000		☒
2019		\$800,000	\$500,000		☒
2020		\$300,000	\$100,000		☒
2021		\$150,000			☐
2022		\$150,000			☐
2023		\$200,000			☐
2024		\$200,000			☐
2025		\$200,000			☐
2026		\$200,000			☐
Total		\$2,595,000	\$960,000		

Other Funding Source Description

\$50,000 for Walton at Stevens detection updates

\$100,000 for Brighton at Barron Center for detection, wiring, new cabinet

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.

Public Works**Division** Engineering**Classification** Transportation**Project Description**

FY 2021 Request: Pearl at Cumberland: \$350,000. Anticipated 20% Escalator for 2019 Signal Project to be Rebid: \$225,000
 FY22 Request: Pearl at Congress: \$350,000. Park at Mellen: \$300,000, Communications from Congress to Cumberland to Franklin: \$50,000. \$525,000 in FY 2020 funding, mainly toward 2019 Traffic Signal Bid.

Project Justification

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

Portland invested heavily in its signal systems about 30 years ago, and had a very modern OSAM (DOS-based) control system. The City is now fully two-generations from this system, in its first stages of placing Advanced Traffic Control Systems (ATC), tied to an updated ATMS.now-based state-of-the-art communications system. In addition, the age of much of the equipment has gotten to the point where a number of signal control cabinets have moisture problems, controllers fail, wiring is corroding, and bases are rusting away. Some type of signal failure, ranging from lights going to flash to broken wires to complete power loss happens several times a week, usually due to the age of the equipment.

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

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

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

Signal equipment requests in this CIP line item as of 2018 will be for signal-specific projects, as opposed to support of MaineDOT, RTMS, or City paving projects.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$600,000		\$6,090,000		\$6,690,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2014		\$168,500	\$165,000		✓
2015	\$195,000	\$230,000	\$230,000		✓
2017		\$200,000	\$200,000		✓

Project Title	ID	141023		
2018		\$900,000	\$600,000	☒
2019		\$675,000	\$500,000	☒
2020		\$525,000	\$525,000	☒
2021		\$575,000		☐
2022		\$700,000		☐
2023		\$750,000		☐
2024		\$750,000		☐
2025		\$750,000		☐
2026		\$750,000		☐
Total	\$195,000	\$6,973,500	\$2,220,000	

Other Funding Source Description

Pearl at Cumberland: \$350,000.

Anticipated 20% Escalator for 2019 Signal Project to be Rebid: \$225,000

Operating Budget Impact

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

Project Title ID 195004

Morrills Corner (State Route 302 and 100)

Public Works

Division Engineering

Classification Transportation

Project Description

Reconstruction of Forest Avenue, Allen Avenue, Stevens Avenue and Warren Avenue Intersection.

Project Justification

Considered the busiest Intersection in the City on a major State Route. Preliminary Engineering Design work based on recommended concept design from Portland/South Portland Smart Corridor Study. This location has significant congestion, and a corridor study completed for the City in 2018 has resulted in a specific series of recommendations to modify, modernize, and make this high-priority area more efficient. MaineDOT shares these goals and intends to partly fund as well as manage design and construction of this effort.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$600,000	\$10,000	\$3,880,000		\$4,490,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021	\$105,000	\$105,000			☐
2022		\$280,000			☐
2023		\$1,000,000			☐
2024	\$2,000,000	\$1,000,000			☐
2025					☐
2026					☐
Total	\$2,105,000	\$2,385,000			

Other Funding Source Description

MaineDOT: Assumes PDR funding only until CY2023/FY2024

Operating Budget Impact

Much of the infrastructure at this location is aging, and sidewalks are in poor condition. The use of capital funds, leveraged at an estimated 50% with MaineDOT would decrease future operational and borrowing costs that would be borne entirely by Portland.

Project Title ID 184205

DOT-Somerset & Kennebec Street Recon

Public Works

Division Engineering

Classification Transportation

Project Description

10/12/17: Realignment of Somerset Street to provide additional direct connections from Franklin St. to Forest Ave. for both vehicle traffic & Bike / Ped. Corridors via the Bayside Trail. In a 2016 review of anticipated costs for the extension of Somerset Street from Elm Street to Preble Street, and the additional costs associated with DOT time and acquisition of right-of-way to begin the remainder of the extension to Hanover Street, additional \$440,000 '18 CIP funding was requested. This funding would have allow Somerset Street to be extended to Hanover Street in keeping with the City's plan to improve connectivity and extend the Bayside Trail.

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

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

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

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

TOTAL: \$440,000

Council approved \$240,000 TIF funds in '16.

Final Design & Construction are scheduled for '18/'19, an additional \$450,000 was requested in '19CIP to complete project but was not approved.

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

Project Justification

Since at least 2003 the City & MaineDOT have studied & funded portions of the realignment of Somerset St. in the Hanover to Elm St. area. The following outcomes are desired:

- Realign
- Re-connect
- Streetscape improvements
- Bayside Trail Connection

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

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$50,000		\$1,766,540		\$1,816,540

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2018	\$506,540	\$440,000			☒
2021	\$250,000	\$300,000			☐
2022					☐
2023					☐
2024					☐

Project Title	ID	184205	
2025			☐
2026			☐
Total	\$756,540	\$740,000	

Other Funding Source Description

MaineDOT funding (\$506,540.00)
Additional request covers construction, engineering, contingency, ROW, and utility relocations
2013-18 CIP Funds Remaining for Design & Construction to Date \$810,000
TIF Funds Available \$250,000
Estimate for Construction & Construction Engineering \$1,760,000

Operating Budget Impact

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

Public Works

Division Engineering

Classification Transportation

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 ADA curb ramps as required, 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 work to comply with ADA, replacement/revisions to pavement markings and traffic signals (see separate Traffic signals request), adjustment/repair to sanitary/storm structures (see Sewer Fund requests).

Project Justification

Our 2014 streets inventory concluded that 22% of the City's roadways are in poor to failed condition compared to nearly 31% in 2011. A new inventory is scheduled to start October 2019 which will shed more light on the current condition of our streets, however, based on the complaints and pothole mapping many streets in the City are in disrepair. 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>
\$500,000		\$31,650,000		\$32,150,000

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>
2013		\$4,000,000	\$2,500,000		☒
2014		\$4,000,000	\$2,500,000		☒
2015		\$4,000,000	\$1,750,000		☒
2016		\$4,000,000	\$1,000,000		☒
2017		\$4,000,000	\$2,900,000		☒
2018		\$3,800,000	\$2,900,000		☒
2019		\$3,800,000	\$750,000		☒
2020		\$4,000,000	\$1,850,000		☒
2021	\$200,000	\$3,800,000			☐
2022		\$4,000,000			☐
2023		\$4,000,000			☐
2024		\$4,000,000			☐
2025					☐
2026					☐

Project Title **ID** 141013

Total	\$200,000	\$47,400,000	\$16,150,000
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Other Funding Source Description

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

Operating Budget Impact

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

Public Works

Division Engineering

Classification Transportation

Project Description

2019: This program would fund a three-year construction contract to help address a \$50M backlog in poor sidewalk condition, non-compliant ADA ramps and improve significant pedestrian crossings around the City. Contract scope would include a percentage of funds each year dedicated to each brick, concrete, and bituminous sidewalk work, with an additional allotment to cover electrical elements (pedestrian signal modifications, RRFBs, conduit, etc...) as needed.

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

Project Justification

2019: A comprehensive condition inventory was completed in 2019 covering all sidewalks and ramps Citywide. Sidewalks were assigned a Sidewalk Condition Index (SCI; similar to PCI for pavement condition) on a scale of 0-100 and ramps were assessed as compliant or non-compliant. The result of this inventory indicated an approximate \$50M backlog of work to bring all sidewalks and ramps to an SCI of 80 or higher and in compliance with today's ADA requirements. In an effort to streamline contract and contractor management, benefit from lower unit pricing on higher quantities and have a more consistent product, DPW is proposing a three-year construction contract at \$1.5M each year to help address this considerable backlog.

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

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

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

Prior entry:

Maintaining accessibility along sidewalks and across public streets is a federal regulation (ADA). Project is necessary to meet current state or federal requirements; Project advances more than one policy of a Council adopted plan (Complete Streets and Comp Plan.)

A portion of the sidewalk funding is recommended to address high priorities identified as part of Safe Routes to School planning. Regular repair to hazards and ongoing maintenance will prevent numerous required 'fixes' that now are funded via the operating budget. DPW planning for 2013 Sidewalk CIP program identified over \$5M in priority needs.

Repairs also prevent claims from trips or slips on hazardous sidewalk locations.

Past phases have been funded and the program remains viable - funded in FY '10, '13 & '14 CIP.

Arterial/Collector Accessibility was a high priority of the 1993 City Transportation Plan and continues to be.

Service on sidewalks in poor condition is interrupted and is a safety issue for the public; the funding is required for regular maintenance and replacement.

5 Year Cost Summary

Planning

Land

Construction

Equipment

Est Total Cost

Project Title	ID	141030		
\$600,000		\$13,450,000		\$14,050,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2013		\$700,000	\$700,000		☒
2014		\$700,000	\$700,000		☒
2015		\$850,000	\$700,000		☒
2016		\$700,000	\$500,000		☒
2017		\$600,000	\$500,000		☒
2018		\$600,000	\$600,000		☒
2019		\$750,000	\$700,000		☒
2020		\$1,000,000	\$650,000		☒
2021		\$1,000,000			☐
2022		\$1,500,000			☐
2023		\$1,500,000			☐
2024		\$1,500,000			☐
2025		\$1,500,000			☐
2026		\$4,000,000			☐
Total		\$16,900,000	\$5,050,000		

Other Funding Source Description

Operating Budget Impact

In-house staff may be asked to help with small scale repairs that are not a good fit or are too small for the larger contract. New sidewalk segments may be added to winter sidewalk plow routes and increase operating costs. Rehabilitation of sidewalks and ramps in poor condition will reduce operating costs related to temporary repairs, and may reduce liability claims.

Project Title

ID 216552

Commercial Street Sidewalk Improvements

Public Works

Division Engineering

Classification Transportation

Project Description

Sidewalk improvements from DiMillos to Ri Ra's that includes widening and reseting curb.

Project Justification

5 Year Cost Summary

Planning	Land	Construction	Equipment	Est Total Cost
		\$400,000		\$400,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$400,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$400,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 141009

CSO Compliance - SRF Ineligibles

Public Works

Division Engineering

Classification Transportation

Project Description

To fund portions of the City's 2020 Combined Sewer Overflow (CSO) projects that are not State Revolving Loan Funds (SRF) eligible. Example CY2020 projects include: Fore Street Storm Drain (\$300,000), Brighton Avenue (\$50,000), Mackworth/Ocean (\$150,000)
CY2021 projects include: Pearl Street (\$??), Back Cove West (\$1,000,000)

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

Project Justification

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

The City's use of the State Revolving Loan Fund (SRF) limits the ability to repair and upgrade infrastructure to the City's ADA compliance and technical standards requirements. Limitations include the installation of new gravels, underdrain, granite curbing, ADA ramps, and sidewalks. This funding is also used for the purchase of easements and property to achieve CSO project execution.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$8,900,000		\$8,900,000

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>
2013		\$500,000	\$500,000		☒
2015		\$1,000,000	\$800,000		☒
2017		\$1,000,000	\$400,000		☒
2018		\$1,000,000	\$600,000		☒
2019		\$2,000,000	\$600,000		☒
2020		\$800,000	\$500,000		☒
2021		\$500,000			☐
2022		\$1,000,000			☐
2023		\$1,000,000			☐
2024		\$1,000,000			☐
2025		\$1,000,000			☐
2026		\$1,000,000			☐
Total		\$11,800,000	\$3,400,000		

Other Funding Source Description

Operating Budget Impact

Dependent on each project scope; there could be reduced maintenance costs of roadways, pavement markings, signal

Project Title

ID 141009

systems, and sidewalks if improvements are made to those systems as CSO abatement work progresses

Project Title ID 205719

Peaks Island Parking Lot

Public Works

Division Engineering

Classification Transportation

Project Description

Resurfacing of asphalt parking lot, located off of Welch Street by the Peaks Island Ferry.

Project Justification

Without a designated parking area, golf carts currently park between and within vehicle parking areas, as well as within the shoulder and grass areas surrounding the parking lot. With a high parking demand in this location of Peaks Island, maximizing parking capacity is essential. The parking lot improvements have been revised to best reflect public input and staff intends to present a final site plan at a future Peaks Island Council meeting. The parking lot improvements associated with this project include removing some existing vegetation, building a retaining wall and installing surface runoff treatment and resurfacing the parking lot. These improvements will result in an additional seven (7) vehicle spaces, eleven (11) golf cart spaces and an increase in bicycle racks.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$10,000		\$115,000		\$125,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2020		\$50,000	\$50,000		☒
2021		\$75,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$125,000	\$50,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 141740

PACTS RTMS - Regional Signals, Communications, and Match Money for Projects

Public Works

Division Engineering

Classification Transportation

Project Description

RTMS = Regional Transportation Management Systems

FY2021:

RTMS Match to PACTS: \$20,000

FY2022:

Aerial-based Fiber Optics from St. John Street to Riverside Street: \$200,000

RTMS PACTS Match: \$20,000

Local support to augment PACTS UPWP funding for regional transportation system upgrades. Includes money for new equipment and especially improved communications. Anticipate requiring approximately \$200,000 to \$300,000 per year, which includes PACTS funding. In FY18 the City began on a project solely dedicated to updates on Auburn Street and Washington Avenue, solely funded with local money. This request would aid in supplying capital for the communications portion of the work.

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

Project Justification

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

Significant work remains to be done along several major arterials, as well as in-town corridors. Longer-term, the region anticipates upgrading technology to allow for up-to-date emergency vehicle and transit vehicle pre-emption systems.

The FY2021 request is based upon anticipated 20% cost overruns from the engineer's estimate for a PACTS-sponsored Congress Street signal update and communications project.

The FY22 request is based upon provision of fiber optics along Brighton Avenue ahead of a significant PACTS-sponsored multi-modal signal, paving, and sidewalk project.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$300,000		\$2,702,500		\$3,002,500

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2014	\$22,000	\$78,000	\$80,000		✓
2015	\$22,000	\$167,000	\$165,000		✓
2016	\$269,500	\$277,270	\$100,000		✓

Project Title	ID	141740		
2017	\$22,000	\$222,000	\$222,000	☒
2018	\$30,000	\$260,000	\$260,000	☒
2019		\$270,000	\$270,000	☒
2020		\$200,000	\$200,000	☒
2021	\$0	\$20,000		☐
2022		\$220,000		☐
2023		\$275,000		☐
2024		\$275,000		☐
2025		\$275,000		☐
2026		\$275,000		☐
Total	\$365,500	\$2,814,270	\$1,297,000	

Other Funding Source Description

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.

School Department

Division School Maintenance

Classification Facilities

Project Description

There are ten restrooms across the three building, 214,000 SF campus that do not meet accessibility standards due to limited maneuverability, size, access/egress, fixtures and/or placement of accessories. Most entrance, classroom and office doors have lever handles, but there are still five exterior doors and over 90 interior doors with knobs requiring replacement

Project Justification

Findings from 2017 Facilities Assessment...We have requested MDOE School Revolving Renovation Fund dollars to execute this work...30% grant

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$276,959		\$276,959

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$276,959			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$276,959			

Other Funding Source Description

Operating Budget Impact

None...but much better access and serviceability

Project Title ID 216357

DHS ADA compliant doors/hardware, sinks/counters, handrails, curb cuts, chairlifts and restrooms

School Department

Division School Maintenance

Classification Facilities

Project Description

Upgrade building access. Renovate staff restrooms and public restrooms on each floor to become ADA accessible. Install two inclined lifts. Replace sinks and counters in 15 locations. Replace doors, frames and hardware in 110 locations.

Project Justification

2017 Facilities Assessment - The main entrance off Astevens Avenue and the gym entrance are not fully accessible. The accessible back patio entrance requires repairs. There are no fully accessible public or staff restrooms on campus. The assessment suggested replacing all 300 plus wooden doors and frames, but we will focus here on the 110 that still have knob handles. Sinks and counters in 15 locations including art require replacement due to limited access and age. A vertical lift was installed inside the auditorium a few years ago so that students can access the stage for productions and graduation. The vertical lift allowing access from the main building floor to the auditorium entrance level in 2018. However, there is no safe access from this level or the ground floor to access band, music and the public health clinic. We have requested MDOE funding from the SRRF which would provide a 30 % grant if we are successful.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$707,685		\$707,685

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$707,685			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$707,685			

Other Funding Source Description

Operating Budget Impact

None

Project Title ID 216358

KMS ADA compliant ramps and handrails at egress stairs

School Department

Division School Maintenance

Classification Facilities

Project Description

Install ramps where required to provide proper egress for those in wheel chairs or otherwise unable to transition down steps at egress doors. Install ADA handrails at five (5) egress stair locations.

Project Justification

2017 Facilities Assessment - There are multiple exterior egress door locations at different areas around the building that are not ADA compliant due to the transition to grade outside the exit. There are also 5 egress stair locations requiring ADA handrails. If funding permits, we would also like to provide inclined lifts up and down from the midlevel at grade access point to King Middle School along Park Avenue. We have requested MDOE funding from the FY 2020 SRRF program. If successful, we would receive a zero percent loan and 30% grant.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$238,992		\$238,992

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$238,992			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$238,992			

Other Funding Source Description

Operating Budget Impact

None

Project Title ID 216359

MMS ADA compliant nurse's area/restroom and locker room renovations

School Department

Division School Maintenance

Classification Facilities

Project Description

Renovate locker rooms to meet accessibility and privacy standards. Renovate nurse's examination and restroom areas.

Project Justification

2017 Facilities Assessment - Locker rooms are not accessible nor do they meet current privacy standards. The nurse's area is ill configured to properly accommodate all students. The restroom also does not meet ADA standards. We have requested MDOE funding support from their FY 2020 SRRF program which provides 0% loans as well as 30% grant if approved.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$10,000		\$91,472		\$101,472

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$101,472			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$101,472			

Other Funding Source Description

Operating Budget Impact

None

Project Title ID 216361

Riverton ADA compliant single use bathroom renovations plus sink and counter replacements in select locations

School Department

Division School Maintenance

Classification Facilities

Project Description

Upgrade single use and multi-user restrooms to meet ADA standards. Replace end of useful life sinks and counters to meet ADA in over 30 locations.

Project Justification

2017 Facilities Assessment - Though we have accessible bathrooms in FLS, the 2007 addition and by the community pool, all of the other single user restrooms in the school including those at the entrance to each classroom pod are not accessible. The multi-user restrooms do not meet ADA standards due to lack of grab bars and width of the stall. Replace sinks and counters in over 30 locations due no ADA access and age (original equipment) including classrooms and library. We have requested MDOE funding from their FY2020 SRRF program. If successful, we would be eligible for 0% loan and 30% grant.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$35,000		\$354,406		\$389,406

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$389,406			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$389,406			

Other Funding Source Description

Operating Budget Impact

None

Project Title ID 216360

PHS ADA compliant walkways, curb cuts, detectable warning strips, handrails on stairs and locker room renovations

School Department

Division School Maintenance

Classification Facilities

Project Description

Make appropriate ADA access pathway repairs and modifications. Renovate restroom including door hardware replacement to meet ADA and privacy standards. Work on stair rails.

Project Justification

2017 Facilities Assessment - Though the main entrance off of Cumberland Avenue is not accessible, wheel chair bound students, staff and visitors as well as others not able to climb up the concrete steps can access through an at grade entrance on the far right of the school by the parking garage entry to the old auto shop or through the inclined ramp entrance into the school by the cafeteria off of Freshman Alley (back entrance into main ioffice level) constructed during the mid 90's renovation. There are several areas around the exterior of the building that require detectable ADA warning strips, curb cuts, and walkway repairs to bring the pathways up to code. Locker rooms are not fully accessible and lack priacy. The door hardware to the locker rooms, also, needs to be replaced. Stair rails need some attention to stay in code. We have requested MDOE funding through their FY 2020 SRRF program. If successful, we would be eligible for 0 % loan and 30% grant.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$10,000		\$166,665		\$176,665

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2026					☐
2021		\$176,665			☐
2022					☐
2023					☐
2024					☐
2025					☐
Total		\$176,665			

Other Funding Source Description

Operating Budget Impact

None

Project Title **ID** 216362

KMS Restore/refinish wooden gym floor

School Department

Division School Maintenance

Classification Facilities

Project Description

Strip down the wax from the wooden gym floor at King Middle School, repair/replace damaged sections, repaint and subsequent refinish.

Project Justification

Various sections of the wooden gym floor, particularly over heat generating equipment, have become warped due steam leaks and present a significant slip/trip and safety concern.

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>
2021		\$50,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$50,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 216370

PHS - Upgrade electrical system

School Department

Division School Maintenance

Classification Facilities

Project Description

Replace disconnects and entrance conductors

Project Justification

2017 Facilities Assessment - End of service life, fair condition at best

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$18,000		\$162,000		\$180,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$180,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$180,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 205553

Multiple schools - door access controls - multiple locations

School Department

Division School Maintenance

Classification Facilities

Project Description

Security upgrades - continue with transition to card key door access control systems - hope to complete one point of entry at each mainland school currently without the system

Project Justification

Enhance security

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$10,000		\$105,000		\$115,000

Funding 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		\$115,000	\$115,000		☒
2021		\$115,000			☐
2022		\$115,000			☐
2023		\$115,000			☐
2024		\$115,000			☐
2025		\$115,000			☐
2026					☐
Total		\$690,000	\$115,000		

Other Funding Source Description

Operating Budget Impact

None...though staff will have to spend time setting up and issuing cards or fobs

Project Title ID 205546

DHS - site drainage

School Department

Division School Maintenance

Classification Facilities

Project Description

Properly accommodate storm water flow into drainage system to include new or replacement catch basins and piping as well as restore pavements and grounds as required

Project Justification

Reduce ponding and erosion while protecting horizontal surfaces

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$20,000		\$180,000		\$200,000

Funding Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$200,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$200,000			

Other Funding Source Description

Operating Budget Impact

Potential for injury due to erosion and/or deteriorated pavements

Project Title ID 216371

Riverton - Restore masonry

School Department

Division School Maintenance

Classification Facilities

Project Description

Remove masonry veneer. Check for source of efflorescence and resolve. Remove any cracked bricks. Replace bricks as required and repoint.

Project Justification

2017 Facilities Assessment - Efflorescence beginning to impact integrity of the exterior wall system.

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>
2021		\$100,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$100,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 173548

Lincoln - HVAC Rooftop Units

School Department

Division School HVAC

Classification Facilities

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>
		\$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>
2021		\$100,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$100,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 173551

PHS - HVAC Rooftop Units

School Department

Division School HVAC

Classification Facilities

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>
		\$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>
2021		\$150,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$150,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 184109

DHS - A/C in Front Office

School Department

Division School HVAC

Classification Facilities

Project Description

Project Justification

5 Year Cost Summary

Planning	Land	Construction	Equipment	Est Total Cost
		\$45,000		\$45,000

Funding Request

Year	Other Funding	Requested Funding	Approved Funding	Funding Type	Approved
2021		\$45,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$45,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 205550

MMS - replace windows

School Department

Division School Maintenance

Classification Facilities

Project Description

Replace storefront framing, operable aluminum windows and insulated panel window wall (Kalwall) system. Paint as required and install screens on all operable windows.

Project Justification

As noted in our February 2017 Facilities Assessment, windows are nearing the end of their service life and paint is deteriorating at a rapid rate.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
\$30,000		\$325,000		\$355,000

Funding Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$355,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$355,000			

Other Funding Source Description

Operating Budget Impact

Increased maintenance costs required to keep windows serviceable.

Project Title

ID 216490

PPS Transportation ten year fleet replacement plan

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>
			\$1,085,300	\$1,085,300

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$565,000			☐
2022		\$128,760			☐
2023		\$106,020			☐
2024		\$285,520			☐
2025					☐
2026					☐
Total		\$1,085,300			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 216155
4037 Rolloff DPW Islands (Replace with Electric) - VW

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

2001 Mack w/ 60k hoist

Project Justification

The VW settlement grant will pay for 75% of an all electric rolloff truck pending approval of our application. This rolloff truck would be used on the islands where it is sorely needed. There is also a request in the current CIP for a second conventional type rolloff truck for the islands.

This grant would allow us to test a new more efficient technology while takign advantage of funds available through VW

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>
2021	\$375,000	\$125,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total	\$375,000	\$125,000			

Other Funding Source Description

Operating Budget Impact

reduced fuel cost

Project Title

ID 216156

4028 Rolloff DPW Islands

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

1993 Crane Carrier

Project Justification

scheduled replacement

5 Year Cost Summary

Planning	Land	Construction	Equipment	Est Total Cost
			\$180,000	\$180,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$180,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$180,000			

Other Funding Source Description

Operating Budget Impact

reduced maintenance cost

Project Title **ID** 216160

2050 3/4 Ton Pickup DPW Peaks

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

2004 GMC Sierra

Project Justification

scheduled repalacement

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>
2021		\$40,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$40,000			

Other Funding Source Description

Operating Budget Impact

reduced maintenance cost

Project Title **ID** 216399

Fairway Mowers PRF Golf

Vehicle Maintenance

Division Recreation and Facilities

Classification Vehicles

Project Description

Replace two fairway mowers

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>
			\$115,000	\$115,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$115,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$115,000			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 216251

3101 - 1/2 Ton Pickup w/ Plow PRF Parks

Vehicle Maintenance

Division Recreation and Facilities

Classification Vehicles

Project Description

1997 1 ton truck to be replaced with half ton

Project Justification

scheduled replacement, more efficient truck

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>
2021		\$35,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$35,000			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 194848

2186 3/4 Ton Pickup - PRF Cems

Vehicle Maintenance

Division Recreation and Facilities

Classification Vehicles

Project Description

2000 3/4 ton pickup truck with plow

Project Justification

This is a foreman truck in Forest city cem

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>
2021		\$40,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$40,000			

Other Funding Source Description

Operating Budget Impact

Reduced maintenance costs and downtime

Project Title **ID** 216252

2040 Compact Pickup PRF Parks

Vehicle Maintenance

Division Recreation and Facilities

Classification Vehicles

Project Description

2005 Chevrolet Colorado w/ plow

Project Justification

scheduled replacement

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$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>
2021		\$35,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$35,000			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 216259

2185 3/4 Ton Pickup PRF Ballfields

Vehicle Maintenance

Division Recreation and Facilities

Classification Vehicles

Project Description

2000 GMC Sierra 2500

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>
2021		\$40,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$40,000			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 194867
2703 14 passenger van - PRF Recreation

Vehicle Maintenance

Division Recreation and Facilities

Classification Vehicles

Project Description

2004 14 passenger rec bus

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>
			\$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>
2021		\$60,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$60,000			

Other Funding Source Description

Operating Budget Impact

Reduced maintenance cost

Project Title

ID

205556

0933 Ambulance Fire

Vehicle Maintenance

Division Fire Department

Classification Vehicles

Project Description

2015 ambulance.

Project Justification

scheduled replacement

5 Year Cost Summary

Planning	Land	Construction	Equipment	Est Total Cost
			\$405,000	\$405,000

Funding Source

Year	Other Funding	Requested Funding	City Mgr Recommended	Funding Type	Approved
2021		\$170,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026		\$235,000			☐
Total		\$405,000			

Other Funding Source Description

Operating Budget Impact

reduced maintenance cost

Project Title ID 205557

0934 Ambulance Fire

Vehicle Maintenance

Division Fire Department

Classification Vehicles

Project Description

2016 ambulance

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>
			\$405,000	\$405,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$170,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026		\$235,000			☐
Total		\$405,000			

Other Funding Source Description

Operating Budget Impact

reduced maintenance cost

Project Title ID 216445

Police Patrol Motorocycle

Police Department

Division Uniformd Ops Group

Classification Vehicle - New (Not Replacement)

Project Description

Patrol Motorcycle (1)

Project Justification

Permits a more efficient and very effective means of conducting traffic enforcement. Enhances community policing and provides a professional presence for special events. Overall, allows for a quicker access to areas that would be inaccessible by a Prtrol vehicle. Also, may be a recruitment/retention incentive.

5 Year Cost Summary

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

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021					☐
2022		\$25,000			☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$25,000			

Other Funding Source Description

Operating Budget Impact

No expected initial impact to the operating budget aside from fuel and standard vehicle maintenance.

Project Title **ID** 216406

Variable Message Boards - DPW Traffic

Vehicle Maintenance

Division Public Works

Classification Vehicle - New (Not Replacement)

Project Description

purchase two variable message boards

Project Justification

DPW is seeking capital funding to acquire two additional variable message boards. This request is to allow for the following

1.) Flexibility on multiple postings for multiple City projects - it is quite frequent that a single project can use both available signage for up to months at a time. This often leaves other projects without available boards, or results in costly rental/contractor fees.

2.) More incident/based utilization - in inclement weather events, such as flooding, or when significant snow parking bans are being enacted, the ability to place additional signage will reduce confusion for the traveling public.

3.) Improved Access - The existing boards require direct access and input with a board/based device. Newer boards offer more flexible options, including various wireless technologies via cellular/bluetooth/wifi, to allow for updates to be provided without requiring travel to and from sites.

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>
2021		\$40,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$40,000			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 141210

3130 2 Ton Dump Truck - DPW Winter

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

2006 gmc 5500 -

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>
			\$120,000	\$120,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$120,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$120,000			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 184281

5121 WheelLoader w/ Gear DPW Winter

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

2007 Doosan wheel loader w 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>
			\$215,000	\$215,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$215,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$215,000			

Other Funding Source Description

Operating Budget Impact

Project Title **ID** 141205

3201 Tandem Axle Plow - DPW Winter (Replace w/
Energy Efficient Clean Diesel) - VW

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

2001, 55000 gvw dump w/ plow, sander, calcium

Project Justification

The City is applying for VW grant settlement funds to help fund this purchase. If awarded we would receive funding covering 75% of the the chassis portoin of this purchase. The chassis cost \$120,000 and the VW grant would cover. Plow gear and bodies ad \$95,000 which are not covered by the VW grant

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
			\$215,000	\$215,000

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021	\$90,000	\$125,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total	\$90,000	\$125,000			

Other Funding Source Description

Operating Budget Impact

Reduced maintenance cost and much reduced purchase cost through potential VW Settlement Grant

Project Title

ID 216161

Replace Boat Motor DPW Island Service Boat

Vehicle Maintenance

Division

Public Works

Classification

Equipment

Project Description

Parker center console

Project Justification

engine needs replacement

5 Year Cost Summary

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

Funding Source

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>City Mgr Recommended</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$30,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$30,000			

Other Funding Source Description

Operating Budget Impact

reduced maintenance cost

Project Title

ID 141181

6004 Forklift DPW Fleet

Vehicle Maintenance

Division Public Works

Classification Vehicles

Project Description

2002 forklift - plowbay

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>
2021		\$100,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$100,000			

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 @\$43000 each. Cost assumes all hybrid vehicles. Deduct \$3,000 per car for gasoline only engines

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>
			\$3,402,000	\$3,402,000

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>
2014		\$266,000	\$265,000		☒
2015		\$266,000	\$265,000		☒
2016		\$266,000	\$160,000		☒
2017		\$266,000	\$152,000		☒
2018		\$266,000	\$266,000		☒
2019		\$266,000	\$266,000		☒
2021		\$301,000			☐
2022		\$301,000			☐
2023		\$301,000			☐
2024		\$301,000			☐
2025		\$301,000			☐
2026		\$301,000			☐
Total		\$3,402,000	\$1,374,000		

Other Funding Source Description

Operating Budget Impact

Reduced fuel consumption by replacing 6 cylinder gasoline engines with 6 cylinder hybrids. Ford estimates 40% fuel savings over the gasoline engines

Project Title **ID** 14920

0056,0051,0052 Criminal Investigation Division Vehicles
Replacement - Police

Vehicle Maintenance

Division Police Department

Classification Vehicles

Project Description

Three CID Program vehicles (Impala or similar) @ \$20000 (\$18,000 each; \$2,000 upfitting (electronics/lights)) Note that Toughbook is not included in the upfit figures.

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>
			\$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>
2021		\$60,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$60,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 205524

7510 Sweeper DPW Water Resources

Vehicle Maintenance

Division Sewer Fund

Classification Vehicles

Project Description

2014 Elgin Pelican

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 Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$210,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$210,000			

Other Funding Source Description

Operating Budget Impact

reduced maintenance cost

Project Title ID 216200

2516 TV Truck DPW Water Resources

Vehicle Maintenance

Division Sewer Fund

Classification Vehicles

Project Description

2016 IBAQ camera truck

Project Justification

Replacement of the existing Cues unit circa 2006. This unit will be used to televise the 60,000 feet of opportunistic CCTV work that is required annually. This opportunistic CCTV work includes investigation of collapsed sewers, root intruded sewers, SSO investigations, illicit discharges and storm/sanitary sewer cross connections.

5 Year Cost Summary

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

Funding Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$350,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$350,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 141793

CMOM - Sewer System Renewal

Water Resources

Division Sewer

Classification Wastewater

Project Description

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

Project Justification

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

The City of Portland currently has three contractors under contract.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$24,700,000		\$24,700,000

Funding Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2014		\$1,000,000	\$1,000,000		☒
2015		\$1,100,000	\$1,100,000		☒
2016		\$1,100,000	\$1,100,000		☒
2017		\$1,100,000	\$1,100,000		☒
2018		\$1,100,000	\$1,100,000		☒
2019		\$1,100,000	\$1,100,000		☒
2020		\$1,100,000	\$1,100,000		☒
2021		\$1,100,000			☐
2022		\$3,200,000			☐
2023		\$3,200,000			☐
2024		\$3,200,000			☐
2025		\$3,200,000			☐
2026		\$3,200,000			☐
Total		\$24,700,000	\$7,600,000		

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 152461

CMOM - Pump Station Rehabilitation

Water Resources

Division Sewer

Classification Wastewater

Project Description

This budget request is to meet EPA Administrative Order requirements based on recommendations from the CMOM report which was done by Woodard and Curran.

The following projects remain to be completed:

Riverton Replacement with Submersible Pump Station

Castine Replacement of Security Fence and Generator

Franklin Street Wet Well Coating

SCADA and Hardware Updates

Flowmeters at Pump Stations

Project Justification

CIP Year 2021 Projects: Riverton Pump Station Replacement, Riverside fan/door upgrade, flow meters at Pump Stations, and SCADA upgrades.

A majority of the existing funding in this account has been spent out with the increased scope of Franklin Street Pump Station. The Riverton Pump Station Replacement project is currently under design for bid in the 2020/21 CIP season.

Future year CIP work include the replacement of coating for the wet well at Franklin Street Pump Station, flow meter installation at the remaining pump stations, ventilation alarms, pump replacements, and various other upgrades as required including SCADA systems.

5 Year Cost Summary

<u>Planning</u>	<u>Land</u>	<u>Construction</u>	<u>Equipment</u>	<u>Est Total Cost</u>
		\$9,890,000		\$9,890,000

Funding Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2015		\$682,000	\$680,000		☒
2016		\$670,000	\$670,000		☒
2017		\$1,100,000	\$1,100,000		☒
2018		\$670,000	\$670,000		☒
2019		\$670,000	\$670,000		☒
2020		\$2,000,000	\$2,000,000		☒
2021		\$750,000			☐
2022		\$670,000			☐
2023		\$670,000			☐
2024		\$670,000			☐
2025		\$670,000			☐
2026		\$670,000			☐
Total		\$9,892,000	\$5,790,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 205632

Rand Road Culvert Replacement

Water Resources

Division Stormwater

Classification Stormwater

Project Description

Replacement of the existing culvert from the RR track crossing to the outlet.

To do the whole 1400 foot culvert it would be \$3,220,000.

To do the section that is under the access drive is estimated at \$750,000

The building is going to be leased again this year and traffic will continue to go over the failing culvert.

We already have the easements for the culvert.

Project Justification

The existing corrugated metal plated culvert is failing and also has a hump in it which does not allow it to drain correctly. This would replace the entire culvert to remove the hump and fix the sink hole issues that have been occurring along the culvert. A portion of the culvert is under the Emery Waterhouse Access Drive and the city has had to do numerous fixes due to sink holes at this location.

This culvert is roughly 1,500 linear feet long and is made up by different sizes and materials.

870 feet is 142" x 91" Galvanized Steel 8 gauge Corrugated Pipe Arch

470 feet is 142" x 91" Galvanized Steel 12 gauge Corrugated Pipe Arch

55 feet of 72" diameter Galvanized Steed Corrugated Pipe.

51 feet of 4' x 7' granite block box culvert.

5 Year Cost Summary

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

Funding Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$750,000			☐
2022		\$2,470,000			☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$3,220,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 205633

Riverton Drive Culvert Replacement

Water Resources

Division Stormwater

Classification Stormwater

Project Description

Replace the existing Riverton Culverts which consist of Twin 54" CMP pipes and one 36" CMP pipe.

Project Justification

Culverts are collapsing and the street is the only way in and out of the development.

5 Year Cost Summary

Planning	Land	Construction	Equipment	Est Total Cost
		\$1,200,000		\$1,200,000

Funding Request

Year	Other Funding	Requested Funding	Approved Funding	Funding Type	Approved
2020	\$150,000	\$900,000	\$900,000		☒
2021		\$150,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total	\$150,000	\$1,050,000	\$900,000		

Other Funding Source Description

Operating Budget Impact

Project Title ID 216227

Presumpscot Culvert

Water Resources

Division Stormwater

Classification Wastewater

Project Description

Replacement of existing 3'x4' concrete box culvert which was originally constructed in approximately 1930.

Project Justification

The sidewall of the existing culvert is failing.

5 Year Cost Summary

Planning	Land	Construction	Equipment	Est Total Cost
		\$750,000		\$750,000

Funding Request

Year	Other Funding	Requested Funding	Approved Funding	Funding Type	Approved
2021		\$750,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$750,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 216228

Inflow and Infiltration Phase 3 Mitigation

Water Resources

Division Sewer

Classification Wastewater

Project Description

The Inflow and Infiltration Program is a multi-year three phase program to identify and remove extraneous flows to the sanitary sewer system.

Project Justification

Phase three of the Inflow and Infiltration Program is the mitigation phase to address sources of extraneous flows identified in both Phase one and Phase two. For the most part, mitigation measures will utilize Trenchless Technologies to address leaky pipes and manholes. Additional consideration will be made to address connected sump pumps and leaky laterals.

Phase three is currently being prepared and will be submitted in the spring of 2020. Current requests for funding are preliminary based on an initial assessment of 32,000 linear feet of pipe needing rehabilitation and will be updated as necessary after utilizing existing Sewer Rehabilitation funding. An initial estimate for this work is over \$4,000,000.

5 Year Cost Summary

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

Funding Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$500,000			☐
2022		\$500,000			☐
2023		\$500,000			☐
2024		\$500,000			☐
2025		\$500,000			☐
2026		\$500,000			☐
Total		\$3,000,000			

Other Funding Source Description

Operating Budget Impact

All funding will come from CIP accounts.

Project Title ID 216230

Forest Avenue - Clifton to Coyle

Water Resources

Division Stormwater

Classification Wastewater

Project Description

Installation of a separated storm system in Forest Avenue between Clifton Street and Coyle Street to provide sewer separation prior to a Transportation division paving project slated for 2023. This project is approximately 700 lf of new storm drain.

Project Justification

This project would provide sewer separation for Forest Avenue in this location prior to a DOT paving project which is scheduled to occur 2023. Sewer separation in this area would help reduce CSO volumes discharging into future Back Cove West Storage Conduit.

5 Year Cost Summary

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

Funding Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$100,000			☐
2022		\$1,000,000			☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$1,100,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 216232

Center Street Storm Drain

Water Resources

Division Stormwater

Classification Wastewater



Project Description

Center Street was separated in 1976 with a storm drain which reconnects to the combined sewer in commercial street. The project will remove the connection to the combined sewer and discharge into the Fore River as a separated outfall.

Project Justification

This project will work towards separating the existing drain line to help reduce CSO volumes at CSO #25-Long Wharf.

5 Year Cost Summary

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

Funding Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$200,000			☐
2022					☐
2023		\$1,000,000			☐
2024					☐
2025					☐
2026					☐
Total		\$1,200,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 216233

Smart Covers

Water Resources

Division Sewer

Classification Wastewater

Project Description

Smart Covers are used to provide a look into the sewer system based on flow levels.

Project Justification

The Smart Covers are generally placed upstream of areas that have had issues or back ups in the past due to blockages. The covers send alarms automatically to alert City staff of an issue which allows the problem to be address to prevent sanitary sewer overflows. The City currently has piloted 10 of these units and would like to expand to 10 more.

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 Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$40,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$40,000			

Other Funding Source Description

Operating Budget Impact

There is no anticipated operating budget impact.

Project Title ID 216236

District Road Force Main

Water Resources

Division Sewer

Classification Wastewater

Project Description

Provide connection from District Road Facility pump station to gravity sewer in Congress Street. This project is approximately 2,000 linear feet of 3" force main. The entire length of excavation is within ledge.

Project Justification

Pump station and force main are being installed to provide sanitary sewer service and eliminate the need for bi-weekly pumping and trucking of sewage holding tank currently being used for the facility. The pump station is already purchased and ready for use once the force main is installed.

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 Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$300,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$300,000			

Other Funding Source Description

Operating Budget Impact

Pump station and force main are being installed to provide sanitary sewer service and eliminate the need for bi-weekly pumping and trucking of sewage holding tank currently being used for the facility.

Project Title ID 216237

ESRI Conversion to Utility Network

Water Resources

Division Sewer

Classification Wastewater

Project Description

Transition from ArcMap and the geometric network to ArcGIS Pro and the Utility Network, along with transitioning all of the current tools that we use to the newer versions. Crews will be able to edit and trace the path of the network data in the field. The technology can handle modern data needs and makes it easy to share information securely with those who need it.

Project Justification

In the next 5+ years Esri will be transitioning its development and resources to ArcGIS Pro and the Water Resources GIS (along with the rest of the City) will need to start to move towards that transition. This transition will affect GIS, Cityworks, ITpipes as well as our ArcGIS Enterprise system and services.

The first step would be to work with the ESRI team to determine what components, additional software, other systems would be affected and what the level of effort would be. The following years would be implementation of the upgrade.

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 Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$25,000			☐
2022		\$225,000			☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$250,000			

Other Funding Source Description

Operating Budget Impact

There will likely be annual licensing fees.

Project Title ID 216240

Warren Ave Storm Drain

Water Resources

Division Stormwater

Classification Wastewater

Project Description

This project will replace approximately 2,000 LF of storm drain in Warren Avenue from Home Depot to BJ's whole sale. The line has been identified as in need of replacement after a condition/capacity assesment.

Project Justification

This project had previously been funded in the FY 18 CIP. This request is additional funding to account for increased construction costs and project inspection services. The design is nearing completion and the project is looking to advertise for bidding this fall.

5 Year Cost Summary

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

Funding Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$200,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$200,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 216242

Stevens Ave Storm Drain

Water Resources

Division Stormwater

Classification Wastewater

Project Description

Installation of storm drain in Stevens Avenue from Forest Avenue to Clinton Street to provide sewer separation. This project would help address SSO (Sanitary Sewer Overflows) that are occurring in the area.

Project Justification

The water resources division is currently investigating SSO's (Sanitary Sewer Overflows) in the project area. This project has been identified as a potential mitigation. The transportation division is currently scheduled to pave this corridor in 2021 which increases the urgency to complete this project.

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 Request

<u>Year</u>	<u>Other Funding</u>	<u>Requested Funding</u>	<u>Approved Funding</u>	<u>Funding Type</u>	<u>Approved</u>
2021		\$1,000,000			☐
2022					☐
2023					☐
2024					☐
2025					☐
2026					☐
Total		\$1,000,000			

Other Funding Source Description

Operating Budget Impact

Project Title ID 216423

Stroudwater River Tree Removal

Water Resources

Division Stormwater

Classification Parks, Fields, Trails

Project Description

Project Justification

5 Year Cost Summary

Planning	Land	Construction	Equipment	Est Total Cost
				\$0

Funding Request

Year	Other Funding	Requested Funding	Approved Funding	Funding Type	Approved
2023					☐
2024					☐
2025					☐
2026					☐
2021		\$70,000			☐
2022					☐
Total		\$70,000			

Other Funding Source Description

Operating Budget Impact

Memo

To: Brendan O'Connell, Director of Finance
From: Jim Saffian, Bond Counsel
Date: September 20, 2018
Re: City Charter Referendum Requirements – Elementary School Bonds

This memorandum discusses the Portland Charter referendum requirements as they relate to the proposed City financing of the Longfellow, Lyseth, Presumpscot and Reiche elementary school projects approved by the voters at a referendum election held November 7, 2017.

Article VII, Section 16(a) of the City Charter, states that:

(a) The city council shall submit the following to voter referendum:

- (1) Orders or resolves authorizing the issuance of general obligation securities of the city in a principal amount greater than five one-hundredths of one (1) percent of the last certified state valuation of the city for a single capital improvement or item of capital equipment; or
- (2) Orders or resolves directly or indirectly obligating the city to expend, over a term greater than one (1) municipal year, municipal tax funds in excess of an amount greater than seven and one-half one-hundredths of one (1) percent of the last certified state valuation of the city for a single capital improvement or item of capital equipment.

At the time of the 2017 referendum election, the City's 2017 State Valuation was \$8,501,550,000, meaning that a bond order in the amount of \$4,250,775 or more for a single capital improvement or item of capital equipment, unless excepted under Article VII, Section 16(b), would trigger the referendum requirement. Similarly, an order authorizing the expenditure of municipal tax funds in the amount of \$6,376,162 or more for a single capital improvement or item of capital equipment, unless excepted under Article VII, Section 16(b), would also trigger the referendum requirement.¹

¹ Please note that each of these is a separate limitation. The bond spending limit counted under paragraph (a)(1) does not count against the municipal tax spending limit under paragraph (a)(2), and vice versa.

Applying the City's current 2018 State Valuation of \$9,049,500,000, results in referendum thresholds of \$4,524,750 for bond orders and \$6,787,125 for spending orders unless excepted under Article VII, Section 16(b).

Article VII, Section 16(b) provides for the following three exceptions to the referendum requirement: (i) refunding bonds, (ii) street, storm water and sewer bonds and (iii) bonds for a declared emergency.

(b) The provisions of this section shall not be applicable to any order or resolve authorizing (i) the refunding of any securities or other obligations of the city; (ii) the issuance of general obligation securities, or other direct or indirect obligations, of the city for streets, sidewalks, or storm or sanitary sewers; or (iii) any construction or financing of improvements or equipment needed as a result of fire, flood, disaster or other declared emergency. For purposes of this section, the city council may by vote of at least seven (7) of its members adopt emergency orders or resolves authorizing construction or financing of improvements or equipment needed as a result of fire, flood, disaster or other emergency and such orders or resolves shall contain a section in which the emergency is set forth and defined; provided, however, that the declaration of such emergency by the city council shall be conclusive.

Based on the above, the City could not authorize any additional bonds for the elementary school projects without submitting that additional bond questions to a voter referendum. In contrast, however, the City could authorize additional spending on the project of up to \$6,787,125 on the elementary school projects without the need to submit that order to a voter referendum.

If the City did desire to authorize additional bonds in any amount or to authorize spending greater than the \$6,787,125 amount without submitting the same to a voter referendum, it would need to authorize such additional bonds / spending under the "emergency" provisions of Section 16(b).

I hope this information is helpful to you as you complete your planning for the project. Please give me a call if you have any further questions.



RENEWABLE ENERGY CONSORTIUM UPDATE



FEBRUARY 2020



AGENDA

1. Consortium RFP Overview
2. Net Energy Billing Mechanics
3. Estimated Economics
4. Next Steps & Key Timelines



CONSORTIUM OVERVIEW

Participants, Objectives & RFP Process

CONSORTIUM | Members & Objectives

By pooling individual utility credit demand into a broad consortium, CES hopes to achieve:

1. Maximize economic benefits
2. Elicit a large array of project proposals, providing optionality and flexibility for participants
3. Diversify each individual member's project portfolio

Consortium Member	Expected Committed Load (MWh)	
	CMP	Emera
Auburn Public Schools	2,000	
AVX Tantalum	4,700	
Bowdoin College	2,500	
City of Portland	20,000	
City of South Portland	2,000	
Colby College	7,900	
Falmouth School Department	1,500	
Husson University		3,000
L. L. Bean	16,500	
Maine Community College System	5,900	2,700
Maine General Hospital	19,300	
Maine Maritime Academy	3,700	
Nestle Waters North America	30,000	
New Balance	2,000	
Northern Light Health	13,500	15,400
Pleasant River Lumber	12,800	2,600
Portland Water District	10,000	
Pratt & Whitney	25,000	
Pride Sports	3,100	
RSU #14 Windham Raymond	2,100	
Scarborough School Department	3,000	
The Jackson Laboratory		15,000
University of Maine System	15,400	30,700
York County	1,900	
TOTAL	204,800	69,400

Installed Capacity - MW(ac)(*)		
	CMP	Emera
Onshore Wind	69	23
Solar PV	161	53

CES issued the RFP to **100+ industry contacts** and encouraged broad participation from around Maine.

TIMELINE:

Event	Date and time
RFP Release Date	September 19, 2019
Deadline for Bidder Questions	October 10, 2019 at 5 PM EDT
Consortium Response to Bidder Questions	October 18, 2019
Proposal Due Date via email	October 31, 2019 at 2 PM EDT
Expected Contract Execution Date	First quarter 2020

PRICING REQUESTED:

- Consortium (or standard buyer) full REC ownership
- Offsite projects ONLY
- Fixed price per kWh w/o an escalator

DECEMBER UPDATE:

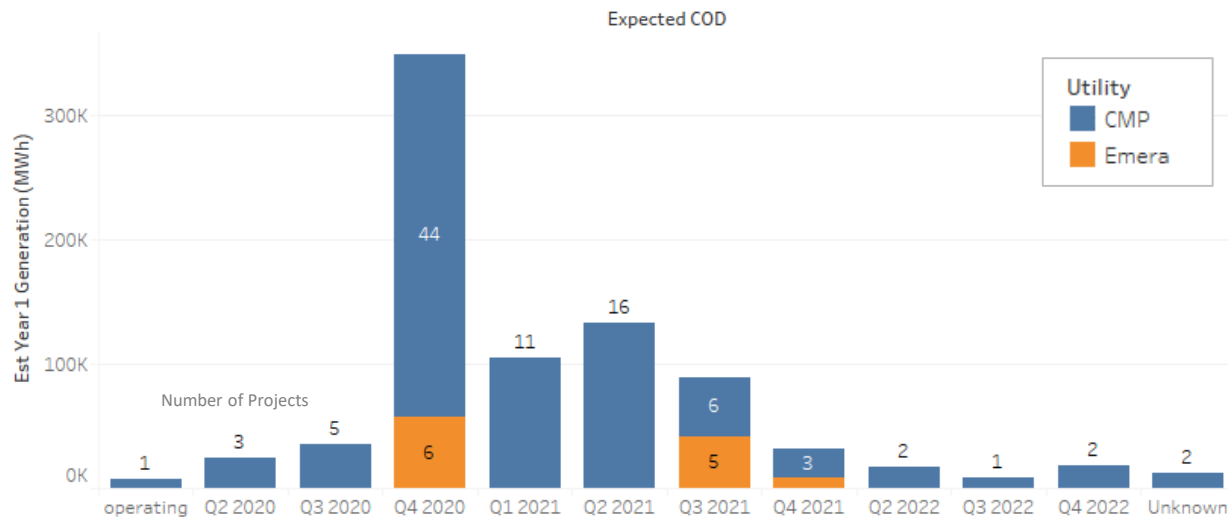
- CES held interviews with top developers
- Distributed generation tariff for 2020 published on 12/2: 2020 credit values \$0.13-\$0.14/kWh
- CES entering contracting phase with finalists

Participating Developers

- Borrego
- Cenergy
- Con Edison
- Dimension
- Dirigo & BNRG
- Eagle Creek
- ECA Solar
- Empower
- Encore
- HEP Energy
- Kruger
- Longroad Development
- New England Solar Garden
- Nexamp
- ReVision
- Revity
- SunRaise
- SWEB Development
- Walden Renewables

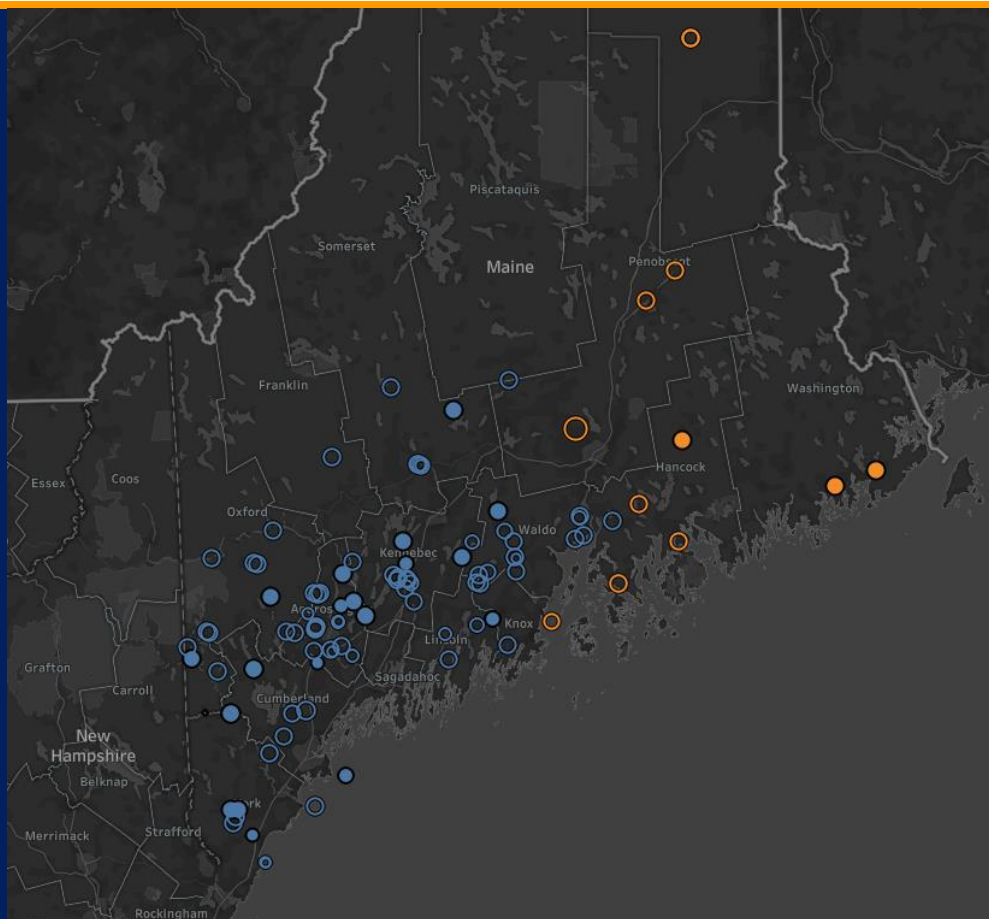
PROJECT STATISTICS

- CMP total est generation is over 3x consortium demand
- Emera total est generation is over 1.5x consortium demand
- Varying stages of development



RESPONSES | Participation Summary

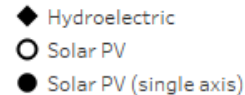
Received
responses from **19
companies**,
representing over
**110 different
projects**.



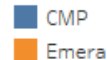
Project Capacity (MW DC)



Technology



Utility



RESPONSES | Pricing & Evaluation Criteria

- Pricing in line with expectations, sufficient projects to fulfill 100% of consortium load
- Other key factors: development status, interconnection position, permitting – CES performing this due diligence
- Final weighted average credit price and resulting savings will depend on project due diligence, tariff rates and final consortium commitments
- Detailed price information is sensitive



UPDATE | Current Status and Negotiations

- Week of 12/2 CES held interviews with top developers and contacted all developers with follow-up questions and clarifications
- Distributed generation tariff for 2020 published on 12/2
- CMP and Emera in the process of finalizing application process and standard contract forms
- Balancing development stage and price proposals to bring in best mix of projects
- Negotiating a performance guarantee
- Participants reviewing NEBC agreement

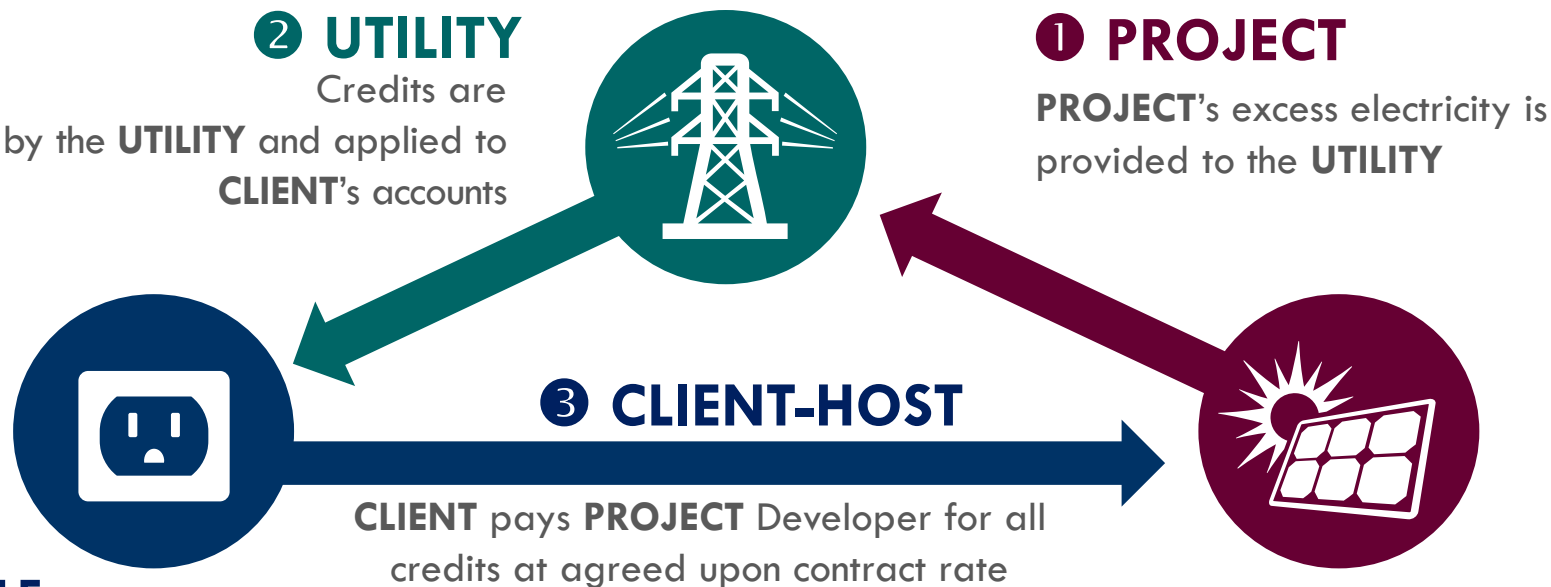




NET ENERGY BILLING MECHANICS

LD 1711 – How it works

MECHANICS | The Net Energy Billing Process



EXAMPLE

GENERATION (KWh)		CREDIT VALUE Calculation based on Program (ex. \$0.10/kWh)		TOTAL CREDITS \$100,000 (Must have utility costs)		CREDIT PRICE (\$/KWh) \$90,000 (10% discount example)		NET SAVINGS (\$) \$10,000 in reduced utility spend
1,000,000 kWh Exported to the grid	×		=		-		→	

MECHANICS | Net Energy Billing Credit Rate

- LD1711 states that the recipient receives default supply (standard offer) rate for the applicable rate class, plus 75% of the small general service T&D charges – “credit rate”
- Credit rate will vary over time
- Order establishing net energy billing credit rate for 1/1/2020 – 12/31/2020 published on 12/2:

RATE CLASS	CMP	EMERA	ME PUBLIC
SMALL	\$0.1300	\$0.1467	\$0.1216
MEDIUM	\$0.1276	\$0.1493	\$0.1180
LARGE	\$0.1409	\$0.1511	\$0.1393



- Detailed bidder information confidential
- Estimated utility credit savings for consortium members estimated at \$20-\$30/MWh contracted (\$20k-\$30k per 1,000 MWhs)
- **20,000MWhs = \$400,000 - \$600,000 per year**
- Current REC market presents additional \$30k per 1,000 MWhs in exchange for environmental claims
- **20,000MWhs x \$25/MWh = \$500,000 per year**

Electric load totals

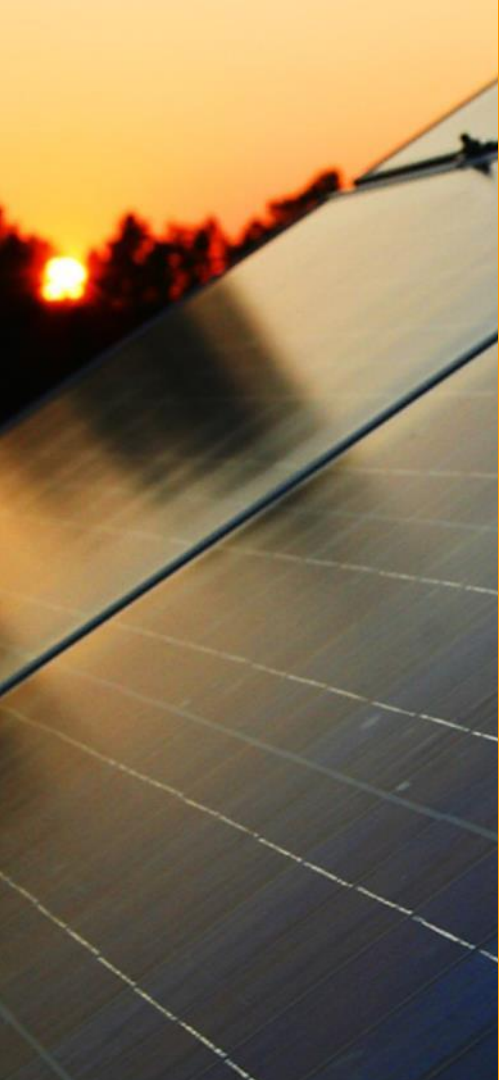
- 31,000 MWhs/year total
- 20,000 MWhs/year or 65% committed
- CES recommending up to 75% participation, max



RISKS | Entering 20-year NEB Agreement

- **Overcommitment – Buying too many credits**
 - Contracting at 75% of current usage
- **Policy Risk – Shift in political winds**
 - Mitigated by the diversity of the participants
- **Cost Risk – Electricity supply and delivery rates drop by 40%**
 - Non issue - utility costs dropping by 40% would be good
 - NEB credits act as hedge against escalating prices
 - RECs provide additional revenue stream
- **Production Risk – Solar / hydro performance**
 - Auburn doesn't own the projects, pays only for kwh produced
- **Development Risk – Projects don't get built**
 - Mitigated by contracting with 5-7 developers, 25+ projects





NEXT STEPS

Key Decisions & Timelines

NEXT STEPS | Follow-ups and Timeline



- Verify MWh commitments
 - Supply purchasing strategy (utility-billed?)
 - Expected changes in annual consumption
- Verify entity executing agreements and relationship to utility account holder
- Finalize review of agreement structure & language

TIMELINE:

- **Dec 1** – PUC expected to finalize net metering tariff
- **Dec/Jan** – CES to finalize project selection allocation
- **Jan/Feb** – Consortium Members review final contracts for execution



THANK YOU

