



City of

# Portsmouth

New Hampshire

Capital Improvement Plan  
FY 2018 - 2023



*City of Portsmouth, New Hampshire*

The seal of the City of Portsmouth, New Hampshire, is a circular emblem. It features a central illustration of a coastal town with several buildings, a large sailing ship in the harbor, and a small boat with figures in the foreground. The text "CITY OF PORTSMOUTH, N.H." is arched across the top, and "INCORPORATED 1623" and "1849" are at the bottom. The seal is rendered in a light gray, semi-transparent style.

# Capital Improvement Plan

**Planning Board Adoption: January 19, 2017**  
**City Council Public Hearing: February 21, 2017**  
**City Council Adoption: March 6, 2017**  
**City Council Amended: June 5, 2017**

*FY 2018 - FY 2023*

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# **CAPITAL IMPROVEMENT PLAN**

**FY 2018 to FY 2023**

***CITY OF PORTSMOUTH, N.H.***

## **CITY COUNCIL**

Jack Blalock, Mayor  
James R. Splaine, Assistant Mayor  
Rebecca Perkins  
M. Chris Dwyer  
Brad Lown  
Nancy Pearson  
Eric Spear  
Joshua Cyr  
Josh Denton

## **CITY MANAGER**

John P. Bohenko

## **PLANNING BOARD MEMBERS**

John Ricci, Chair and Member of the CIP Subcommittee  
Elizabeth Moreau, Vice Chair  
Rebecca Perkins, City Council Representative  
Colby Gamester  
Jay Leduc  
Dexter Legg, Member of the CIP Subcommittee  
Jody Record, Member of the CIP Subcommittee  
Nancy Colbert-Puff, Deputy City Manager, Ex-officio  
David Moore, Assistant City Manager, Ex-officio  
Jeffrey Kisiel, Alternate  
Jane E. Begala, Alternate

## **Prepared By**

Rick Taintor, Planning Department  
Andrew Purgiel, Finance Department



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# CAPITAL IMPROVEMENT PLAN

## FY 2018 to FY 2023

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## Nomenclature

Americans with Disabilities Act	ADA
Boston and Maine Railroad	B&M RR
Capital Improvement Plan	CIP
Central Business District	CBD
Community Development Block Grant	CDBG
Complex Instruction Set Computing	CISC
Congestion Mitigation Air Quality	CMAQ
Cooperative Alliance for Seacoast Transportation	COAST
Criminal Justice Information Services	CJIS
Department of Transportation	DOT
Department of Public Works	DPW
Data Subscriber Line	DSL
Environmental Protection Agency	EPA
Federal	FED
Federal Emergency Management Association	FEMA
Fiscal Year	FY
Governmental Accounting Standards Board	GASB
General Fund	GF
Gallons Per Minute	GPM
Infiltration and Inflow Studies	I/I
Information System	IS
Integrated Automated Fingerprinting Information System	IAFIS
Local Area Network	LAN
Local Wide Area Network	LWAN
Long Range Transportation Plan	L RTP
Long Term Control Plan	LTCP
Megabytes per Second	MPS
Manual on Uniform Traffic Control Devices	MUTCD
National Fire Prevention Association	NFPA
National Pollutant Discharge Elimination System	NPDES
New Hampshire Port Authority	NHPA
Occupational and Safety Health Administration	OSHA
Pease Development Authority	PDA
Pease International Tradeport	PIT
Public Private Partnership	PPP
Past Year(s)	PY
Reduced Instruction Set Computing	RISC
Rockingham Planning Commission	RPC
Supervisory Control and Data Acquisition	SCADA
Seacoast Metropolitan Planning Organization	SMPO
Self Contained Breathing Apparatus	SCBA
State Revolving Loan Fund	SRF
Safe Routes to School	SRTS
Sewer System Evaluation Survey	SSES
State Transportation Improvement Plan	STIP



State Ten Year Transportation Plan	STYP
To Be Determined	TBD
Transportation Improvement Plan	TIP
Transportation Management Agency	TMA
Transportation System Management Plan	TSMP
Variable Frequency Drive	VFD
Vehicle Miles Traveled	VMT
Wide Area Network	WAN
Waste Water Treatment Facility	WWTF

## Impact on Operating Budget

Description of box labeled “Impact on Operating Budget” is as follows:

- 1. Reduce – will generate revenue**  
The project will either generate some revenue to offset expenses.
- 2. Reduce – will reduce Operating Cost**  
The project will reduce operating costs
- 3. Negligible < \$5,001**  
The project will generate less than \$5,001 per year in increased operating expenditures.
- 4. Minimal \$5,001 to \$50,000**  
The project will generate between \$5,001 and \$50,000 per year in increased operating expenditures.
- 5. Moderate \$50,001 to \$100,000**  
The project will generate between \$50,001 and \$100,000 per year in increased operating expenditures.
- 6. High \$100,001 or more**  
The project will generate \$100,001 or more annually in increased operating expenditures.

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# CITY OF PORTSMOUTH

Community Development Department  
(603) 610-7232

Planning Department  
(603) 610-7216

January 19, 2017

Honorable Mayor Jack Blalock and City Council Members  
City Hall  
1 Junkins Avenue  
Portsmouth, New Hampshire 03801

Dear Mayor Blalock and Councilors,

The Planning Board is pleased to submit its Fiscal Year 2018-2023 Capital Improvement Plan (CIP) for the City of Portsmouth. The CIP identifies the City's short- and long-term capital improvement and infrastructure needs, schedules capital outlays over a six-year time frame, and identifies estimated costs and funding sources for each recommended capital project. To develop this Plan, the Planning Board's Capital Improvement Plan Subcommittee met with City department administrators to review and prioritize proposed projects.

As in prior years, the Planning Board has developed this Capital Improvement Plan with the goal of targeting a stable amount of the City's property tax revenues to capital projects. In order to keep pace with inflation, the Board recommends that capital expenditures from the General Fund be tied to a percentage of the City's overall budget. Specifically, the Board recommends that the City allocate up to 2 percent of the prior year's budget to capital projects. The FY 2017 General Fund budget is \$107.4 million; therefore, the capital expenditure target for FY 2018 would be approximately \$2.14 million.

After reviewing departmental capital project requests totaling \$2.438 million, the Planning Board is recommending an appropriation of \$2.14 million, or 2.0 percent of the FY 2017 budget. Where possible, projects have been linked to achieve the maximum benefit possible from finite fiscal resources.

Projects in the Capital Improvement Plan are assigned priorities according to the time frame within which they need to be completed. Priority "A" projects are those that are needed within the next three years; priority "B" includes projects that should be completed within 4 to 6 years; priority "C" projects can be deferred to more than 6 years in the future; and priority "O" represents ongoing projects such as street and sidewalk upgrades, or continuing multi-year projects.



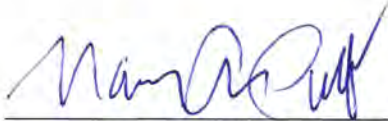
Along with the annual Budget, the Capital Improvement Plan is a management tool that endeavors to balance competing infrastructure and capital investment needs within the constraints of fiscal prudence. When these interests are meshed successfully, the City's short- and long-term goals will be addressed to our betterment.

Respectfully submitted,



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John Ricci, Chair, Planning Board



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Nancy Colbert Puff, Acting City Manager

**Planning Board Members:**

- John Ricci, Chair
- Elizabeth Moreau, Vice-Chair
- Rebecca Perkins, City Council Representative
- Colby Gamester
- Jay Leduc
- Dexter Legg
- Jody Record
- Nancy Colbert Puff, Deputy City Manager, Ex-officio
- David Moore, Assistant City Manager, Ex-officio
- Jeffrey Kisiel, Alternate
- Jane E. Begala, Alternate

**PLANNING BOARD CERTIFICATE**

RESOLUTION ADOPTING A RECOMMENDED PROGRAM OF MUNICIPAL CAPITAL IMPROVEMENT PROJECTS PURSUANT TO CHAPTER 674, SECTION 5 OF THE NEW HAMPSHIRE REVISED STATUTES ANNOTATED

WHEREAS the Planning Board of the City of Portsmouth has the duty under the provisions of RSA 674:1 to prepare and amend a Master Plan to guide the development of the community; and

WHEREAS on March 24, 2005, the Planning Board adopted a Master Plan entitled “City of Portsmouth, New Hampshire – Master Plan”; and

WHEREAS the Planning Board may under the provisions of RSA 674:1 recommend programs for the development of the municipality, programs for the erection of public structures, and programs for municipal improvements, each of which shall include recommendations for its financing; and

WHEREAS the Planning Board, having adopted a Master Plan, is authorized under RSA 674:5 and City Ordinances to prepare and adopt a recommended program of municipal capital improvements projected over a period of at least 6 years;

NOW, THEREFORE, BE IT RESOLVED by the Planning Board of the City of Portsmouth that the document entitled “Capital Improvement Plan, FY 2018 – FY 2023” be and hereby is adopted as the Board’s recommended program of municipal capital improvement projects for the City of Portsmouth, New Hampshire.

ADOPTED: January 19, 2017

ATTEST:



\_\_\_\_\_  
John Ricci, Chair, Planning Board

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## SECTION I: INTRODUCTION

The Capital Improvement Plan (CIP) sets forth a multi-year schedule and financing strategies for accomplishing necessary public improvements. Careful development of and adherence to the CIP ensures that needed facilities are provided within the City's financial capability. In combination with the annual City budget, the CIP has a major impact on the allocation of fiscal resources, and is thus one of the most important documents considered by the City Council.

The purposes of the CIP are to:

1. Implement needed improvements on a scheduled basis
  - Provides a complete picture of the City's major development needs
  - Coordinates activities of various City departments and agencies
  - Assists in implementing recommendations of the City's Master Plan
2. Guide the allocation of fiscal resources
  - Establishes fiscal priorities for projects
  - Balances the use of funding sources
3. Help plan for future City expenditures
  - Discourages piecemeal improvements and duplication of expenditures
4. Ensure that needed facilities are provided within the City's financial capability:
  - Informs the taxpayers of anticipated future improvements
  - Helps to schedule major projects to reduce fluctuations in the tax rate

As used in the CIP, a capital improvement project is defined as a major fiscal expenditure that is made infrequently or is non-recurring, and that falls into one or more of the following categories:

1. Land acquisition;
2. Construction or expansion of a new public facility or public infrastructure;
3. Non-recurring rehabilitation of a public facility or public infrastructure provided the cost is \$50,000 or more;
4. Design work or planning study related to a capital project or implementation of the Master Plan;
5. Any item or piece of equipment, non-vehicular in nature, that costs more than \$50,000 and has a life expectancy of 5 or more years; or
6. Replacement and purchase of vehicles which have a life expectancy of more than 5 years or cost more than \$50,000.

The capital planning process is coordinated by the Finance and Planning Departments under the direction of the City Manager. Capital project requests are initially formulated by City department heads and submitted to the Finance Department. Members of the public may also submit project requests, which are reviewed by City departments and incorporated into the departmental requests as appropriate.



Each project request includes the following information:

1. Project type (one of the 6 categories listed above)
2. Project location and ward(s)
3. Proposed time frame:
  - (A) Implement within 3 years
  - (B) Implement within 4 to 6 years
  - (C) Implement after 6 years
  - (O) Ongoing allocations of funding are required for this project
4. Project justification (does the project meet one or more of the following criteria):
  - Identified in planning document or study
  - Addresses public health or safety need
  - Alleviates substandard conditions or deficiencies
  - Responds to federal or state requirement
  - Improves quality of existing services
  - Provides added capacity to existing services
  - Reduces long-term operating costs
  - Provides incentive to economic development
  - Eligible for matching funds with limited availability
5. Cost estimate and proposed funding sources
6. Impact on operating budget

After City department heads submit their capital project requests, a Subcommittee of the Planning Board meets with department representatives to review these requests. The Subcommittee then evaluates and prioritizes each request and makes recommendations to the Planning Board.

The following factors are considered when prioritizing projects:

1. Project requirements – Is the project required to meet legal, compliance, or regulatory requirements?
2. Timing – How soon does the project need to be implemented to address the needs identified?
3. Strategic alignment – To what extent is the project aligned with other city projects, policies, processes?
4. Public value – How much value does the outcome of this project provide to the general public? How much public support is there for implementing this project?
5. Finance planning – Is the project fundable in the time frame identified, are there available funding sources for this project?

The Finance Department incorporates the Subcommittee's recommendations into a recommended Capital Improvement Plan which is reviewed and adopted by vote of the Planning Board in accordance with State statute. Finally, the Planning Board's adopted CIP is conveyed to the City Council for public hearing and adoption in accordance with City Charter requirements.

## SECTION II: METHOD OF FINANCING

Capital improvement projects are funded from a variety of sources. These include: General Fund (GF); Federal/State Grants; Bond or Lease; Revenues (Parking, Water and Sewer); State Revolving Loan Fund (SRF) and Public Private Partnerships (PPP).

**General Fund** – The most commonly used method of financing capital projects is through the use of the General Fund. The General Fund includes the money raised by the local property tax for a given year. When a project is funded with General Fund revenues, its entire cost is paid off within the year. The intent is to budget annually a certain amount from the General Fund (approximately 2% of previous FY General Fund total Budget) to address City priorities. If the City has the financial capacity to pay for a project in a given year, the cost to the taxpayer will generally be less than if bonded because there are no interest payments to be made. However, it does have the effect of lumping expenditures into one year, thereby giving a peak tax loading.

**Grants** – One source of grants is from other levels of government, for example, the Environmental Protection Agency, the NH Department of Health and Human Services, U.S. Housing and Urban Development, NH Department of Environmental Services, and the NH Department of Transportation. Generally, these Federal and State sources provide an outright grant or matching funds to go with locally raised funds. The City also pursues non-governmental private grants when applicable.

**General Obligation Bonds** – Bonds are used to finance major municipal capital projects. These are issued for a period of time generally extending from ten to twenty years during which time principal and interest payments are made. They are secured by the raising of property taxes. The time payment has the advantage of allowing the costs to be amortized over the life of the project and of allowing taxpayers to pay a smaller amount of the project's cost at a time. However, they do commit the City's resources over a long period of time and decrease the flexibility of how yearly revenues can be utilized. The City's bonding capacity is a limited resource. All projects that are to be bonded should meet minimum eligibility criteria and must have a life span at least equal to the bond life.

**Revenues** – The City has established two Enterprise Funds for Water and Sewer. The needs for these two divisions are met through the revenues raised from providing that particular service. Therefore, there is no impact on the City's tax rate. Additionally, the City has established a Parking and Transportation Fund (Special Revenue Fund). Revenues derived from the City's parking functions are transferred to this fund in order to operate the City's parking and traffic related activities.

**State Revolving Loan Fund** – This is a program offered through the NH Department of Environmental Services for the purpose of providing low interest rate funding for approved water pollution control projects. State approval of applications does not bind the City to any of the individual projects but does lock into a low interest rate loan. Upon completion of projects, the loan becomes a serial bond payable by the City of Portsmouth Sewer or Water Fund to the State of NH. Payback is over a five to ten year period and Enterprise Revenues are utilized for

that purpose. In addition, the City applies for State Aid Grant funding to assist in repaying SRF loans up to 30% of the total project cost.

**Public Private Partnership** – This method of financing involves joint funding of a particular project between the City and one or more private sector or non-governmental partners. This method is used for projects that will benefit the partners and help to minimize costs to local taxpayers.

Deciding on which method of financing should be selected for a given project is dependent on a number of factors. These include the cost of the project, its useful life, the eligibility of the project to receive funds from other than local taxes, long-term and short-term financial obligations of the City and a project's relative priority in terms of implementation. The Capital Improvement Plan seeks to maximize the potential benefits from all revenue sources.

## SECTION III: FINANCIAL SUMMARY

Section III contains useful summary information detailing the specifics of the Capital Plan. These include the following:

1. Capital Improvement Plan Summary, all funds (FY 18-23);
2. A graph displaying the FY 2018 Distribution of Capital Improvement Plan Funding (Non-Enterprise Funds);
3. General Fund, Capital Outlay Projects only (FYs 12-18);
4. Computation of Legal Debt Margin as of June 30, 2016;
5. Long-Term Debt Service Forecast Model (General Fund);
6. Projected Net Long-Term Debt Service as a Percentage of the General Fund Budget;
7. Long-Term Debt Service Forecast Model (Parking Fund);
8. Long-Term Debt Service Forecast Model (Debt Service Fund);
9. Long-Term Debt Service Forecast Model (Water Fund);
10. Long-Term Debt Service Forecast Model (Sewer Fund);
11. Long-Term Debt – Outstanding Balance (All Funds).

**FY 18 Distribution**

**FY '19 to FY '23 Schedule**

								FY '18	FY '19	FY '20	FY '21	FY '22	FY '23	Total Cost		
								Enterprise								
GF	Funds	Bond/Lease	Federal/State	Other/Revenues	PPP		Total									
<b>I. VEHICLE and EQUIPMENT SCHEDULE</b>																
<b>VEHICLES</b>																
42	VE-FD-	01	AMBULANCE REPLACEMENT (Funded through Rolling Stock Line Item)				\$85,000	\$85,000	\$85,000	\$85,000	\$80,000	\$80,000	\$80,000	\$495,000		
43	VE-FD-	02	VEHICLE REPLACEMENT - FIRE BOAT #1		\$180,000			\$180,000						\$180,000		
44	VE-FD-	03	VEHICLE REPLACEMENT - FIRE ENGINE #6					\$0	\$600,000					\$600,000		
45	VE-FD-	04	VEHICLE REPLACEMENT - FIRE ENGINE REPAIR					\$0	\$60,000					\$60,000		
46	VE-FD-	05	VEHICLE REPLACEMENT - FIRE LADDER #2					\$0			\$800,000			\$800,000		
<b>EQUIPMENT</b>																
47	VE-FD-	06	THERMAL IMAGING CAMERA REPLACEMENTS	\$22,000				\$22,000	\$24,000					\$46,000		
48	VE-FD-	07	FIRE PERSONAL PROTECTIVE EQUIPMENT REPLACEMENT	\$60,000				\$60,000	\$60,000	\$60,000				\$180,000		
49	VE-PD	08	POLICE GYM EQUIPMENT REPLACEMENT	\$20,000				\$20,000	\$20,000	\$20,000				\$60,000		
<b>I. TOTAL EQUIPMENT AND VEHICLE SCHEDULE</b>				\$102,000	\$0	\$180,000	\$0	\$85,000	\$0	\$367,000	\$849,000	\$165,000	\$880,000	\$80,000	\$80,000	\$2,421,000

<b>II. BUILDINGS AND INFRASTRUCTURE</b>														
<b>Total Cost</b>														
52	BI-FD-	01	POLICE NEW FACILITY-LAND ACQUISITION					\$0						\$0
53	BI-PD-	02	POLICE NEW FACILITY					\$0		\$11,000,000				\$11,000,000
54	BI-SD-	03	SCHOOL FACILITIES CAPITAL IMPROVEMENTS					\$0	\$500,000			\$500,000		\$1,000,000
56	BI-SD-	04	ELEMENTARY SCHOOLS UPGRADE			\$5,000,000		\$5,000,000	\$5,000,000					\$10,000,000
57	BI-SD-	05	HIGH SCHOOL ATHLETIC FIELD LIGHTING			\$550,000		\$550,000						\$550,000
58	BI-FI-	06	HISTORIC DOCUMENT STORAGE FACILITY	\$50,000				\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000
59	BI-FI-	07	HISTORIC DOCUMENT RESTORATION, PRESERVATION AND SCANNING	\$50,000				\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000
60	BI-CD-	08	PRESCOTT PARK: FACILITIES CAPITAL IMPROVEMENTS	\$80,000				\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$480,000
61	BI-CD-	09	REUSE OF PAUL A DOBLE ARMY RESERVE CENTER				\$150,000	\$750,000	\$900,000					\$900,000
62	BI-CD-	10	CONSOLIDATED INDOOR RECREATION FACILITY					\$0	\$50,000			\$2,000,000		\$2,050,000
63	BI-CD-	11	OUTDOOR RECREATION FIELDS-CITY OWNED LAND-CAMPUS DRIVE					\$0	\$900,000		\$3,000,000			\$3,900,000
64	BI-CD-	12	EXISTING RECREATION FIELDS IMPROVEMENTS					\$0	\$75,000	\$1,000,000				\$1,075,000
65	BI-CD-	13	PARK AND PLAYGROUND IMPROVEMENTS	\$75,000				\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$450,000
66	BI-CD-	14	IMPLEMENTATION OF PEIRCE ISLAND MASTER PLAN	\$25,000				\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$150,000
67	BI-CD-	15	IMPLEMENTATION OF SAGAMORE CREEK PARCEL CONCEPTUAL MASTER PLAN	\$25,000				\$25,000		\$25,000		\$25,000		\$75,000
68	BI-CD-	16	MCINTYRE FEDERAL OFFICE BUILDING-PLANNING AND IMPLEMENTATIO	\$25,000				\$25,000						\$25,000
69	BI-CD-	17	HISTORIC MARKERS REPLACEMENT PROJECT					\$0	\$10,000		\$10,000		\$10,000	\$30,000
70	BI-CC-	18	LAND ACQUISITION					\$0	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000
71	BI-PL-	19	OPEN SPACE PLAN	\$50,000				\$50,000						\$50,000
72	BI-PL-	20	LAND USE REGULATION REVISION	\$50,000				\$50,000						\$50,000

Capital Improvement Plan Summary '18-'23

CIP  
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FY 18 Distribution

FY '19 to FY '23 Schedule

		FY 18 Distribution						FY '19 to FY '23 Schedule						
		GF	Enterprise Funds	Bond/Lease	Federal/State	Other/Revenues	PPP	FY '18 Total	FY '19	FY '20	FY '21	FY '22	FY '23	
73	BI-PW- 21							\$0	\$200,000					\$200,000
74	BI-PW- 22	\$20,000						\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$120,000
75	BI-PW- 23							\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
76	BI-PW- 24							\$0	\$150,000	\$2,750,000				\$2,900,000
77	BI-PW- 25							\$0	\$100,000	\$500,000				\$600,000
78	BI-PW- 26							\$0					\$1,000,000	\$1,000,000
79	BI-PW- 27			\$600,000				\$600,000						\$600,000
80	BI-PW/FED- 28	\$50,000			\$600,000			\$650,000						\$650,000
81	BI-PW- 29	\$40,000			\$10,000			\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000
82	BI-PW- 30							\$0	\$50,000		\$50,000		\$50,000	\$150,000
83	BI-PW- 31	\$200,000						\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,200,000
84	BI-PW- 32							\$0		\$1,000,000			\$1,000,000	\$2,000,000
85	BI-PW- 33					\$50,000		\$50,000	\$5,000,000	\$50,000	\$50,000	\$50,000	\$50,000	\$5,250,000

II. TOTAL BUILDINGS AND INFRASTRUCTURE

\$740,000	\$0	\$6,150,000	\$760,000	\$800,000	\$0	\$8,450,000	\$12,710,000	\$17,000,000	\$3,785,000	\$3,250,000	\$2,785,000	\$47,980,000
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III. INFORMATION SYSTEMS MANAGEMENT

Total Cost

88	IS-IT- 01	INFORMATION TECHNOLOGY UPGRADES AND REPLACEMENTS (Funded through General Fund-Other General Non-Operating)				\$631,158		\$631,158	\$638,058	\$675,958	\$675,258	\$719,758	\$581,558	\$3,921,748
94	IS-FD- 02	INCIDENT REPORTING AND DATA MANAGEMENT SYSTEM (Funded through General Fund-Other General Non-Operating)				\$19,500		\$19,500	\$19,500					\$39,000
95	IS-PD- 03	PUBLIC SAFETY RECORDS MGT/COMPUTER AIDED DISPATCH						\$0				\$500,000		\$500,000
III. TOTAL INFORMATION SYSTEMS MANAGEMENT			\$0	\$0	\$0	\$650,658	\$0	\$650,658	\$657,558	\$675,958	\$675,258	\$1,219,758	\$581,558	\$4,460,748

IV. TRANSPORTATION MANAGEMENT

Total Cost

PARKING

98	TSM-PW- 01	FREE PUBLIC PARKING/SHARED LOT AGREEMENTS				\$60,000		\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$360,000
99	TSM-PW- 02	PARKING LOT PAVING				\$150,000		\$150,000	\$300,000	\$100,000	\$100,000	\$100,000	\$100,000	\$850,000
100	TSM-PW- 03	PARKING METERS				\$45,000		\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$270,000

Capital Improvement Plan Summary '18-'23  
CIP  
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FY 18 Distribution

FY '19 to FY '23 Schedule

		Enterprise					FY '18	FY '19	FY '20	FY '21	FY '22	FY '23
		GF	Funds	Bond/Lease	Federal/State	Other/Revenues	PPP	Total				
<b><u>BICYCLE/PEDESTRIAN</u></b>												
101	TSM-CD- 04	CHESTNUT STREET PEDESTRIAN CONNECTOR	\$50,000					\$50,000	\$100,000			\$150,000
102	TSM-CD- 05	MAPLEWOOD AVE COMPLETE STREET		\$450,000				\$450,000				\$450,000
103	TSM-PW- 06	NORTH MILL POND MULTI-USE PATH		\$500,000			\$250,000	\$750,000			\$3,000,000	\$3,750,000
104	TSM-CD/NH- 07	HAMPTON BRANCH RAIL TRAIL	\$225,000		\$72,000	\$108,000		\$405,000	\$361,000	\$340,000		\$1,106,000
105	TSM-PL 08	BICYCLE/PEDESTRIAN PLAN IMPLEMENTATION	\$50,000					\$50,000	\$50,000	\$50,000	\$50,000	\$300,000
106	TSM-PW- 09	WAYFINDING SYSTEM						\$0	\$275,000	\$350,000		\$625,000
107	TSM-PW/NH- 10	US ROUTE 1 NEW SIDEWALK CONSTRUCTION						\$0	\$80,000	\$50,000	\$295,000	\$2,100,000
108	TSM-PW- 11	MARKET SQUARE UPGRADE						\$0	\$50,000	\$1,000,000		\$1,050,000
109	TSM-PW- 12	SPINNEY ROAD NEW SIDEWALK CONSTRUCTION						\$0	\$175,000			\$175,000
110	TSM-PW- 13	US RT1 CROSSWALKS AND SIGNALS						\$0	\$25,500	\$25,000	\$110,000	\$110,000
111	TSM-PW - 14	ELWYN PARK SIDEWALKS PHASE I	\$20,000					\$20,000	\$78,000	\$150,000	\$980,000	\$1,228,000
112	TSM-PW - 15	ELWYN ROAD SIDEWALK EXTENSION						\$0	\$90,000			\$1,500,000
113	TSM-PW - 16	BANFIELD ROAD PEDESTRIAN ACCOMODATIONS						\$0			\$375,000	\$375,000
114	TSM-PW- 17	CITYWIDE SIDEWALK RECONSTRUCTION PROGRAM		\$800,000				\$800,000	\$800,000		\$800,000	\$2,400,000
<b><u>INTERSECTION/SIGNALS</u></b>												
116	TSM-PW- 18	CITYWIDE TRAFFIC SIGNAL UPGRADE PROGRAM	\$100,000					\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
117	TSM-PW- 19	CITYWIDE INTERSECTION IMPROVEMENTS	\$100,000					\$100,000		\$100,000	\$100,000	\$300,000
118	TSM-PW- 20	WOODBURY AVE/MARKET ST PEDESTRIAN INTERSECTION IMPROVEMENT	\$219,000					\$219,000				\$219,000
119	TSM-PW- 21	LAFAYETTE RD/ANDREW JARVIS INTERSECTION IMPROVEMENT		\$800,000				\$800,000				\$800,000
120	TSM-PW- 22	RUSSELL-MARKET INTERSECTION UPGRADES					\$50,000	\$50,000	\$200,000	\$1,000,000		\$1,250,000
<b><u>BRIDGES</u></b>												
121	TSM-PW/NH- 23	PEIRCE ISLAND BRIDGE REPLACEMENT						\$0				\$8,400,000
122	TSM-PW- 24	BRIDGE IMPROVEMENTS	\$100,000					\$100,000	\$350,000	\$50,000	\$50,000	\$50,000
123	TSM-PW- 25	MAPLEWOOD AVENUE CULVERT REPLACEMENT						\$0			\$3,800,000	\$3,800,000
124	TSM-PW/NH- 26	CATE STREET BRIDGE REPLACEMENT						\$0				\$0
<b><u>ROADWAY</u></b>												
125	TSM-PW- 27	LED STREETLIGHT CONVERSION	\$181,000					\$181,000				\$181,000
126	TSM-PW- 28	SIGN INVENTORY	\$45,000					\$45,000				\$45,000
127	TSM-PW- 29	TRANSPORTATION PLAN STUDIES				\$20,000		\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
128	TSM-PW- 30	HOOVER/TAFT DRAINAGE UPGRADES		\$250,000				\$250,000				\$250,000
129	TSM-PW- 31	PLEASANT STREET RECONSTRUCTION		\$750,000				\$750,000				\$750,000
130	TSM-PW- 32	LONGMEADOW ROAD EXTENSION						\$0	\$750,000			\$750,000
131	TSM-PW- 33	NEW FRANKLIN/WOODBURY CORRIDOR IMPROVEMENTS		\$500,000				\$500,000				\$500,000
132	TSM-PW- 34	MCDONOUGH STREET IMPROVEMENTS		\$800,000				\$800,000				\$800,000
133	TSM-PW- 35	ISLINGTON STREET IMPROVEMENTS		\$2,500,000				\$2,500,000				\$2,500,000
134	TSM-PW/FED- 36	PEVERLY HILL ROAD IMPROVEMENTS						\$0	\$2,200,000			\$2,200,000
135	TSM-PW/NH- 37	MARKET STREET GATEWAY IMPROVEMENTS						\$0	\$1,500,000			\$1,500,000
136	TSM-PW- 38	STREET PAVING, MANAGEMENT AND REHABILITATION		\$3,000,000				\$3,000,000		\$3,000,000	\$3,000,000	\$9,000,000

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**FY 18 Distribution**

**FY '19 to FY '23 Schedule**

	GF	Enterprise					FY '18 Total	FY '19	FY '20	FY '21	FY '22	FY '23				
		Funds	Bond/Lease	Federal/State	Other/Revenues	PPP										
138	TSM-PW-	39	SOUTH STREET IMPROVEMENTS				\$0			\$100,000	\$100,000		\$200,000			
139	TSM-PW-	40	PEASE INTERNATIONAL TRADEPORT-ROADWAY REHABILITATIONS				\$0		\$750,000		\$750,000		\$1,500,000			
141	TSM-PW-	41	JUNKINS AVENUE				\$0		\$150,000	\$1,100,000			\$1,250,000			
<b>IV. TOTAL TRANSPORTATION MANAGEMENT</b>				\$1,090,000	\$0	\$10,350,000	\$72,000	\$383,000	\$300,000	\$12,195,000	\$6,809,500	\$8,140,000	\$3,385,000	\$9,085,000	\$15,425,000	\$55,039,500

**V. ENTERPRISE FUNDS**

Total Cost

Water																
	GF	Funds	Bond/Lease	Federal/State	Other/Revenues	PPP	FY '18 Total	FY '19	FY '20	FY '21	FY '22	FY '23				
144	EF-WD-	01	ANNUAL WATER LINE REPLACEMENT				\$2,750,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$5,250,000			
145	EF-WD-	02	WELL STATIONS IMPROVEMENTS				\$150,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$650,000			
146	EF-WD-	03	WATER SYSTEM PRESSURE AND STORAGE IMPROVEMENTS				\$170,000						\$170,000			
147	EF-WD-	04	RESERVOIR MANAGEMENT				\$100,000	\$100,000	\$500,000	\$100,000	\$100,000	\$100,000	\$1,000,000			
148	EF-WD-	05	MADBURY WELL 5				\$0	\$50,000	\$500,000				\$550,000			
149	EF-WD-	06	NEW GROUNDWATER SOURCE				\$200,000	\$2,700,000					\$2,900,000			
150	EF-WD-	07	PLEASANT STREET WATER MAINS				\$600,000						\$600,000			
151	EF-WD-	08	WATER TRANSMISSION MAIN REPLACEMENT				\$250,000			\$5,500,000			\$5,750,000			
<b>Water Subtotals:</b>				\$0	\$1,120,000	\$3,100,000	\$0	\$0	\$0	\$4,220,000	\$3,450,000	\$1,600,000	\$6,200,000	\$700,000	\$700,000	\$16,870,000
Sewer																
153	EF-SD-	01	CONSENT DECREE MITIGATION				\$500,000	\$400,000	\$2,500,000				\$3,400,000			
154	EF-SD-	02	PEIRCE ISLAND WASTEWATER TREATMENT FACILITY				\$3,500,000	\$2,300,000	\$1,100,000				\$6,900,000			
155	EF-SD-	03	PEASE WASTEWATER TREATMENT PLANT UPGRADES				\$800,000	\$7,200,000					\$8,000,000			
156	EF-SD-	04	LONG TERM CONTROL PLAN RELATED PROJECTS				\$200,000	\$300,000	\$3,000,000				\$3,500,000			
157	EF-SD-	05	ANNUAL SEWER LINE REPLACEMENT				\$3,250,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$5,750,000			
158	EF-SD-	06	PUMPING STATION UPGRADE				\$700,000	\$100,000	\$400,000	\$100,000	\$400,000	\$100,000	\$1,800,000			
159	EF-SD-	07	MECHANIC STREET PUMPING STATION UPGRADE				\$0			\$2,000,000	\$8,000,000		\$10,000,000			
160	EF-SD-	08	UNION STREET SEWER RECONSTRUCTION				\$700,000						\$700,000			
161	EF-SD-	09	PLEASANT STREET SEWER RECONSTRUCTION				\$150,000						\$150,000			
162	EF-SD-	10	REGIONAL DIGESTER FACILITY AT PEASE WWTF				\$50,000		\$1,500,000		\$16,500,000		\$18,050,000			
<b>Sewer Subtotals:</b>				\$0	\$1,550,000	\$8,300,000	\$0	\$0	\$0	\$9,850,000	\$10,800,000	\$9,000,000	\$2,600,000	\$25,400,000	\$600,000	\$58,250,000
<b>V. TOTAL ENTERPRISE FUNDS</b>				\$0	\$2,670,000	\$11,400,000	\$0	\$0	\$0	\$14,070,000	\$14,250,000	\$10,600,000	\$8,800,000	\$26,100,000	\$1,300,000	\$75,120,000



Capital Improvement Plan Summary '18-'23  
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**FY 18 Distribution**

**FY '19 to FY '23 Schedule**

GF	Enterprise					FY '18 Total	FY '19	FY '20	FY '21	FY '22	FY '23			
	Funds	Bond/Lease	Federal/State	Other/Revenues	PPP									
I.	EQUIPMENT AND VEHICLE SCHEDULE	\$102,000	\$0	\$180,000	\$0	\$85,000	\$0	\$367,000	\$849,000	\$165,000	\$880,000	\$80,000	\$80,000	\$2,421,000
II.	BUILDING & INFRASTRUCTURE	\$740,000	\$0	\$6,150,000	\$760,000	\$800,000	\$0	\$8,450,000	\$12,710,000	\$17,000,000	\$3,785,000	\$3,250,000	\$2,785,000	\$47,980,000
III.	INFORMATION MANAGEMENT SYSTEMS	\$0	\$0	\$0	\$0	\$650,658	\$0	\$650,658	\$657,558	\$675,958	\$675,258	\$1,219,758	\$581,558	\$4,460,748
IV.	TRANSPORTATION MANAGEMENT PLAN	\$1,090,000	\$0	\$10,350,000	\$72,000	\$383,000	\$300,000	\$12,195,000	\$6,809,500	\$8,140,000	\$3,385,000	\$9,085,000	\$15,425,000	\$55,039,500
	CAPITAL CONTINGENCY	\$53,000	\$0	\$0	\$0	\$0	\$0	\$53,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$553,000
	<b>SUBTOTALS</b>	<b>\$1,985,000</b>	<b>\$0</b>	<b>\$16,680,000</b>	<b>\$832,000</b>	<b>\$1,918,658</b>	<b>\$300,000</b>	<b>\$21,715,658</b>	<b>\$21,126,058</b>	<b>\$26,080,958</b>	<b>\$8,825,258</b>	<b>\$13,734,758</b>	<b>\$18,971,558</b>	<b>\$110,454,248</b>



**ENTERPRISE FUNDS**

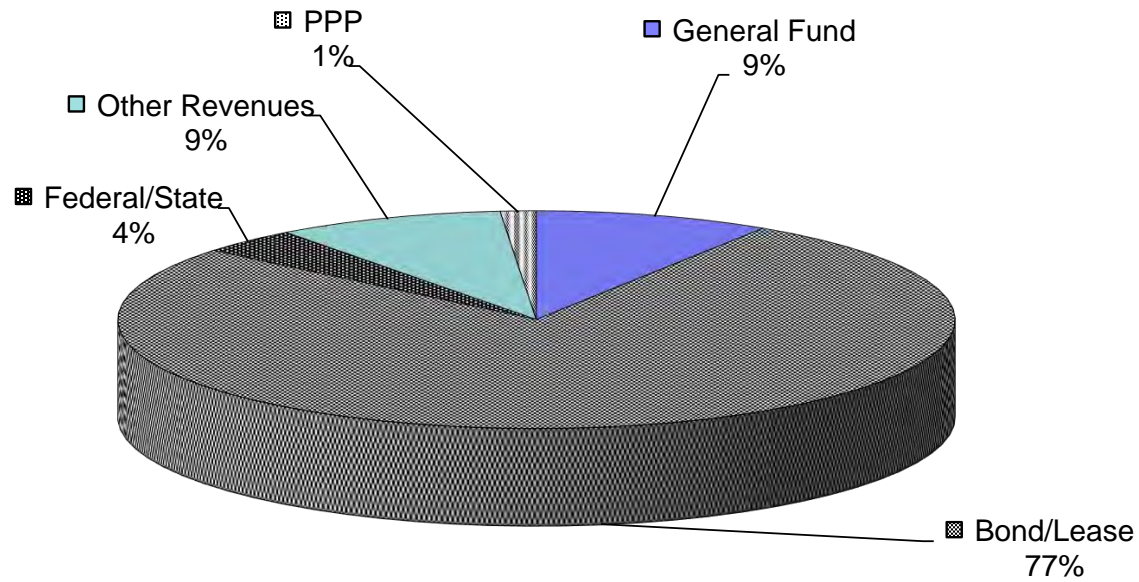
	WATER FUND	\$0	\$1,120,000	\$3,100,000	\$0	\$0	\$0	\$4,220,000	\$3,450,000	\$1,600,000	\$6,200,000	\$700,000	\$700,000	\$16,870,000
	SEWER FUND	\$0	\$1,550,000	\$8,300,000	\$0	\$0	\$0	\$9,850,000	\$10,800,000	\$9,000,000	\$2,600,000	\$25,400,000	\$600,000	\$58,250,000
V.	<b>TOTAL ENTERPRISE FUNDS</b>	<b>\$0</b>	<b>\$2,670,000</b>	<b>\$11,400,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$14,070,000</b>	<b>\$14,250,000</b>	<b>\$10,600,000</b>	<b>\$8,800,000</b>	<b>\$26,100,000</b>	<b>\$1,300,000</b>	<b>\$75,120,000</b>



**GRAND TOTAL:**

		\$1,985,000	\$2,670,000	\$28,080,000	\$832,000	\$1,918,658	\$300,000	\$35,785,658	\$35,376,058	\$36,680,958	\$17,625,258	\$39,834,758	\$20,271,558	\$185,574,248
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## FY 2018 CIP Distribution (Non-Enterprise Funds)



General Fund
  Bond/Lease
  Federal/State
  Other Revenues
  PPP

	General Fund	Bond/Lease	Federal/State	Other Revenues	PPP	Totals
Amount	\$1,985,000	\$16,680,000	\$832,000	\$1,918,658	\$300,000	\$21,715,658
% of Total	9%	77%	4%	9%	1%	

**Capital Improvements  
Fiscal Year 2018  
Taken from Capital Improvement Plan 2018-2023  
General Fund, Capital Outlay Projects Only FYs 12-18**

CIP PAGE	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	Total FY's 12-17 (6 Prior years)	Department	CIP	City Council	City Council
								Request FY 18	Sub Committee 12/7/2016	Amended 6/5/2017	Final 6/5/2017
<b>I. EQUIPMENT AND VEHICLE SCHEDULE (VE)</b>											
47							\$0	\$22,000			\$22,000
48							\$0	\$90,000	(\$30,000)		\$60,000
49							\$0	\$60,000	(\$40,000)		\$20,000
						\$61,000	\$61,000				\$0
						\$44,000	\$44,000				\$0
						\$52,400	\$52,400				\$0
				\$30,000	\$30,000		\$60,000				\$0
				\$30,000			\$30,000				\$0
			\$25,000				\$25,000				\$0
		\$100,000	\$100,000				\$200,000				\$0
		\$35,000	\$35,000				\$70,000				\$0
	\$100,000						\$100,000				\$0
<b>Total Equipment and Vehicle</b>	<b>\$100,000</b>	<b>\$135,000</b>	<b>\$160,000</b>	<b>\$60,000</b>	<b>\$30,000</b>	<b>\$157,400</b>	<b>\$642,400</b>	<b>\$172,000</b>	<b>(\$70,000)</b>	<b>\$0</b>	<b>\$102,000</b>

**II. BUILDINGS AND INFRASTRUCTURE (BI)**

58							\$0	\$50,000			\$50,000
59							\$0	\$50,000			\$50,000
60	\$40,650	\$87,500		\$87,500	\$80,000	\$80,000	\$375,650	\$80,000			\$80,000
65	\$75,000	\$75,000	\$75,000	\$100,000	\$100,000	\$50,000	\$475,000	\$75,000			\$75,000
66	\$50,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$175,000	\$25,000			\$25,000
67	\$12,500				\$50,000	\$25,000	\$87,500	\$25,000			\$25,000
68					\$25,000		\$25,000	\$25,000			\$25,000
70	\$25,000	\$25,000	\$25,000			\$25,000	\$100,000	\$25,000		(\$25,000)	\$0
70							\$0	\$50,000			\$50,000
71							\$0	\$50,000			\$50,000
74	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$120,000	\$20,000			\$20,000
80					\$50,000		\$50,000	\$50,000			\$50,000

**Capital Improvements  
Fiscal Year 2018  
Taken from Capital Improvement Plan 2018-2023  
General Fund, Capital Outlay Projects Only FYs 12-18**

CIP PAGE	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	Total FY's 12-17	Department	CIP	City Council	City Council	
								Request FY 18	Sub Committee 12/7/2016	Amended 6/5/2017	Final 6/5/2017	
<b>81</b>	HISTORIC CEMETERY IMPROVEMENTS	\$10,000	\$10,000	\$10,000	\$50,000	\$40,000	\$40,000	\$160,000	\$40,000			\$40,000
<b>83</b>	CITYWIDE STORMDRAINAGE IMPROVEMENTS				\$50,000	\$200,000	\$200,000	\$450,000	\$200,000			\$200,000
	REUSE OF PAUL A DOBLE ARMY RESERVE CENTER					\$50,000	\$50,000	\$100,000	\$0			\$0
	RETAINING WALLS REPAIR AND IMPROVEMENTS				\$75,000	\$100,000		\$175,000	\$0			\$0
	MUNICIPAL COMPLEX STORAGE BUILDING REPLACEMENT					\$50,000		\$50,000	\$0			\$0
	HISTORIC MARKERS REPLACEMENT PROJECT	\$10,000				\$10,000		\$20,000	\$0			\$0
	FIRE STATION LIGHTING IMPROVEMENTS					\$15,000		\$15,000	\$0			\$0
	BLEACHER/GRANDSTANDS				\$50,000	\$50,000		\$100,000	\$0			\$0
	MASTER PLAN PLANNING PROCESS		\$50,000	\$75,000	\$100,000	\$50,000		\$275,000	\$0			\$0
	POLICE SITE NEEDS STUDY				\$50,000			\$50,000	\$0			\$0
	POLICE SPACE NEEDS STUDY			\$25,000				\$25,000	\$0			\$0
	BANFIELD ROAD DRAINAGE IMPROVEMENTS			\$50,000	\$50,000			\$100,000	\$0			\$0
	CITY WIDE FACILITIES CAPITAL IMPROVEMENTS MASTER PLAN				\$50,000			\$50,000	\$0			\$0
	CITY HALL ENTRY WAY ACCESSIBILITY IMPROVEMENTS			\$100,000				\$100,000	\$0			\$0
	ELWYN PARK DRAINAGE IMPROVEMENTS			\$75,000				\$75,000	\$0			\$0
	LESLIE DRIVE DRAINAGE IMPROVEMENTS			\$100,000				\$100,000	\$0			\$0
	MUNICIPAL COMPLEX BOILER REPLACEMENT AND RELATED		\$175,000					\$175,000	\$0			\$0
	RECREATION STUDY IMPLEMENTATION: OUTDOOR FIELDS		\$50,000					\$50,000	\$0			\$0
	SEAWALL REPAIRS	\$225,000						\$225,000	\$0			\$0
	MUNICIPAL COMPLEX ELEVATOR REPLACEMENT	\$175,000						\$175,000	\$0			\$0
<b>Total Buildings and Infrastructure</b>		<b>\$643,150</b>	<b>\$517,500</b>	<b>\$580,000</b>	<b>\$707,500</b>	<b>\$915,000</b>	<b>\$515,000</b>	<b>\$3,878,150</b>	<b>\$765,000</b>	<b>\$0</b>	<b>(\$25,000)</b>	<b>\$740,000</b>

**Capital Improvements  
Fiscal Year 2018  
Taken from Capital Improvement Plan 2018-2023  
General Fund, Capital Outlay Projects Only FYs 12-18**

CIP PAGE	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	Total FY's 12-17	Department Request FY 18	CIP Sub Committee 12/7/2016	City Council Amended 6/5/2017	City Council Final 6/5/2017
<b>101</b>						\$50,000	<b>\$50,000</b>	\$50,000			\$50,000
<b>104</b>				\$150,000	\$56,000	\$113,000	<b>\$319,000</b>	\$225,000			\$225,000
<b>105</b>							<b>\$0</b>	\$50,000			\$50,000
<b>107</b>							<b>\$0</b>	\$30,000		(\$30,000)	\$0
<b>111</b>							<b>\$0</b>	\$98,000	(\$78,000)		\$20,000
<b>116</b>	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	<b>\$600,000</b>	\$100,000			\$100,000
<b>117</b>			\$100,000		\$100,000		<b>\$200,000</b>	\$100,000			\$100,000
<b>118</b>							<b>\$0</b>	\$219,000			\$219,000
<b>122</b>							<b>\$0</b>	\$100,000			\$100,000
<b>125</b>							<b>\$0</b>	\$181,000			\$181,000
<b>126</b>							<b>\$0</b>	\$45,000			\$45,000
<b>130</b>			\$100,000	\$25,000	\$75,000	\$50,000	<b>\$250,000</b>	\$50,000		(\$50,000)	\$0
BANFIELD ROAD IMPROVMENTS				\$50,000			<b>\$50,000</b>	\$150,000	(\$150,000)		\$0
MARKET SQUARE UPGRADE				\$50,000	\$50,000		<b>\$100,000</b>	\$0			\$0
RUSSELL-MARKET INTERSECTION UPGRADES							<b>\$0</b>	\$0			\$0
BRIDGE MASTER PLAN IMPLEMENTATION						\$75,000	<b>\$75,000</b>	\$0			\$0
NORTH MILL POND MULTI-USE PATH						\$100,000	<b>\$100,000</b>	\$0			\$0
INTERSECTION UPGRADE: AT-GRADE CROSSING				\$76,800	\$77,000	\$30,000	<b>\$183,800</b>	\$0			\$0
NEW FRANKLIN/WOODBURY CORRIDOR IMPROVEMENTS						\$80,000	<b>\$80,000</b>	\$0			\$0
MARKET ST GATEWAY IMPROVEMENTS		\$120,000		\$120,000		\$117,000	<b>\$357,000</b>	\$0			\$0
ISLINGTON STREET-STREETScape IMPROVEMENTS		\$100,000		\$100,000		\$200,000	<b>\$400,000</b>	\$0			\$0
PEVERLY HILL ROAD IMPROVEMENTS						\$300,000	<b>\$300,000</b>	\$0			\$0
DOWNTOWN MAPLEWOOD AVE COMPLETE STREET					\$167,000		<b>\$167,000</b>	\$0			\$0
SPINNEY ROAD NEW SIDEWALK CONSTRUCTION			\$100,000		\$125,000		<b>\$225,000</b>	\$0			\$0
BICYCLE/PEDESTRIAN PLAN IMPLEMENTATION				\$50,000	\$0		<b>\$50,000</b>	\$0			\$0
MIDDLE ST BICYCLE LANES			\$25,000	\$25,000			<b>\$50,000</b>	\$0			\$0
DOWNTOWN SIGNAGE AND PEDESTRIAN WAYFINDING SYSTEM	\$75,000	\$0	\$100,000				<b>\$175,000</b>	\$0			\$0
ATLANTIC HEIGHTS NEIGHBORHOOD EMERGENCY ACCESS ROUTE				\$50,000			<b>\$50,000</b>	\$0			\$0
WOODBURY AVE TURNING LANES	\$50,000	\$50,000					<b>\$100,000</b>	\$0			\$0
<b>Total Transportation Management</b>	<b>\$225,000</b>	<b>\$370,000</b>	<b>\$525,000</b>	<b>\$796,800</b>	<b>\$750,000</b>	<b>\$1,215,000</b>	<b>\$3,881,800</b>	<b>\$1,398,000</b>	<b>(\$228,000)</b>	<b>(\$80,000)</b>	<b>\$1,090,000</b>

**Capital Improvements  
Fiscal Year 2018  
Taken from Capital Improvement Plan 2018-2023  
General Fund, Capital Outlay Projects Only FYs 12-18**

CIP PAGE	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	Total FY's 12-17	Department Request FY 18	CIP Sub Committee 12/7/2016	City Council Amended 6/5/2017	City Council Final 6/5/2017
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**SUMMARY**

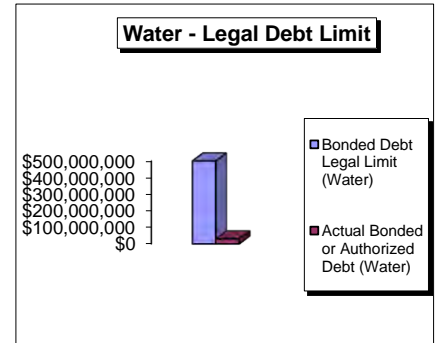
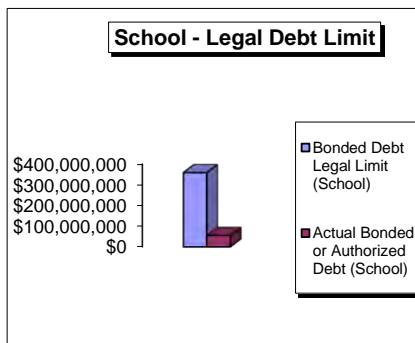
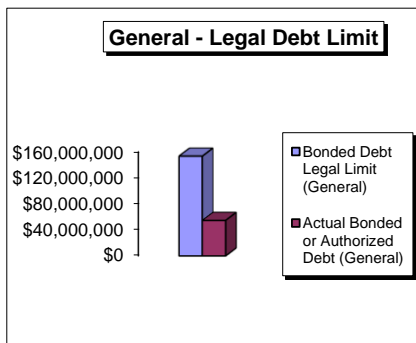
**TOTALS PER SECTION**

I.	EQUIPMENT AND VEHICLE SCHEDULE	\$100,000	\$135,000	\$160,000	\$60,000	\$30,000	\$157,400	\$642,400	\$172,000	(\$70,000)	\$0	\$102,000
II.	BUILDING & INFRASTRUCTURE	\$643,150	\$517,500	\$580,000	\$707,500	\$915,000	\$515,000	\$3,878,150	\$765,000	\$0	(\$25,000)	\$740,000
IV.	TRANSPORTATION MANAGEMENT PLAN	\$225,000	\$370,000	\$525,000	\$796,800	\$750,000	\$1,215,000	\$3,881,800	\$1,398,000	(\$228,000)	(\$80,000)	\$1,090,000
v.	CAPITAL CONTINGENCY	\$50,000	\$0	\$100,000	\$35,700	\$70,000	\$112,600	\$368,300	\$103,000	\$0	(\$50,000)	\$53,000
	<b>TOTAL</b>	<b>\$1,018,150</b>	<b>\$1,022,500</b>	<b>\$1,365,000</b>	<b>\$1,600,000</b>	<b>\$1,765,000</b>	<b>\$2,000,000</b>	<b>\$8,770,650</b>	<b>\$2,438,000</b>	<b>(\$298,000)</b>	<b>(\$155,000)</b>	<b>\$1,985,000</b>

CITY OF PORTSMOUTH, NEW HAMPSHIRE  
Computation of Legal Debt Margin  
As of June 30, 2016

Modified local assessed valuation	\$	4,748,175,843
Department of Revenue Administration inventory adjustment	\$	<u>370,738,914</u>
Equalized assessed valuation	\$	5,118,914,757
Adjustment: RSA 31-A	\$	<u>-</u>
<b>Base valuation for debt limit (1)</b>	<b>\$</b>	<b><u>5,118,914,757</u></b>

	<u>3.0% of base (General Debt)</u>	<u>7.0% of base (School Debt) (2)</u>	<u>10% of base (Water Fund) (3) (4)</u>
<b>Bonded debt limit -</b>	<u>\$153,567,443</u>	<u>\$358,324,033</u>	<u>\$511,891,476</u>
Gross bonded debt June 30	\$32,029,832	\$50,397,607	\$29,724,796
Less:			
Landfill (5)	\$671,332		
Sub-total	<u>\$31,358,500</u>	<u>\$50,397,607</u>	<u>\$29,724,796</u>
Authorized but unissued			
Commerce Way	\$75,290		
Deer Street Parking Facility	\$23,200,000		
Fire Apparatus	\$76,710		
Elementary School Upgrades		\$5,000,000	
New Franklin Energy Efficiency		\$25,000	
Total Authorized unissued	<u>\$23,352,000</u>	<u>\$5,025,000</u>	<u>\$0</u>
<b>Total debt applicable to limitation</b>	<b><u>\$54,710,500</u></b>	<b><u>\$55,422,607</u></b>	<b><u>\$29,724,796</u></b>
<b>% Debt used of limitation</b>	<b>36%</b>	<b>15%</b>	<b>6%</b>
Legal Debt Margin	<u><u>\$98,856,943</u></u>	<u><u>\$302,901,426</u></u>	<u><u>\$482,166,680</u></u>
Legal Debt Margin %	64%	85%	94%



- (1) The equalization of all taxable property in the State of New Hampshire is conducted annually by the New Hampshire Department of Revenue Administration under the provisions of RSA 21-J: 3(XIII).
- (2) Subject to a separate debt limit of 7% of the City's base valuation per RSA 33:4-a
- (3) Enterprise funds.
- (4) Subject to a separate debt limit of 10% of the City's base valuation per RSA 33:5-a.
- (5) Exempt per RSA 33:5-b.

CITY OF PORTSMOUTH, NEW HAMPSHIRE  
LONG-TERM DEBT SERVICE FORECAST MODEL

			<u>FY 17</u>	<u>FY 18</u>	<u>FY 19</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>
<b>ISSUED DEBT</b>									
<b>GENERAL FUND-Issued Debt</b>									
<b>General Government</b>									
<b>06/15/07 New Castle Ave/Seawall</b>	<b>4.00%</b>	<b>600,000</b>							
Principal-Last Pmt FY 17			60,000						
Interest			2,475						
<b>06/15/07 06 Improvements</b>	<b>4.00%</b>	<b>950,000</b>							
Principal-Last Pmt FY 17			95,000						
Interest			3,919						
<b>06/15/07 07 Improvements</b>	<b>4.00%</b>	<b>4,450,000</b>							
Principal-Last Pmt FY 17			445,000						
Interest			18,356						
<b>12/14/11 Fire Apparatus</b>	<b>1.26%</b>	<b>500,000</b>							
Principal-Last Pmt FY 17			100,000						
Interest			2,500						
<b>06/15/08 08 Improvements</b>	<b>3.46%</b>	<b>2,500,000</b>							
Principal-Last Pmt FY 18			250,000	250,000					
Interest			19,375	10,000					
<b>11/18/98 Coakley OU-1 20 yr</b>		<b>3,605,773</b>							
Principal-Last Pmt FY 19			180,289	180,289	180,289				
Interest-State recalculated interest starting in FY 15 saving \$62,049			4,597	3,065	1,532				
<b>06/15/09 09 Improvements</b>	<b>2.96%</b>	<b>3,500,000</b>							
Principal-Last Pmt FY 19			350,000	350,000	350,000				
Interest			52,500	35,000	17,500				
<b>05/15/10 10 Improvements</b>	<b>2.48%</b>	<b>1,800,000</b>							
Principal-Last Pmt FY 20			180,000	180,000	180,000	180,000			
Interest			31,500	24,300	16,200	8,100			
<b>07/01/00 Coakley OU-2 20 yr</b>		<b>652,330</b>							
Principal-Last Pmt FY 20			32,617	32,617	32,617	32,617			
Interest-State recalculated interest starting in FY 15 saving \$14,961			1,331	998	665	333			
<b>06/15/16 Fire Apparatus</b>	<b>1.13%</b>	<b>523,290</b>							
Principal-Last Pmt FY 21			108,290	105,000	105,000	105,000	100,000		
Interest			17,322	15,550	12,400	8,200	4,000		
<b>12/14/11 11 Improvements</b>	<b>1.91%</b>	<b>6,400,000</b>							
Principal-Last Pmt FY 22			640,000	640,000	640,000	640,000	640,000	640,000	
Interest			137,600	112,000	96,000	76,800	48,000	16,000	
<b>06/27/13 13 Improvements</b>	<b>1.69%</b>	<b>2,267,000</b>							
Principal-Last Pmt FY 23			225,000	225,000	225,000	225,000	225,000	225,000	225,000
Interest			47,250	40,500	33,750	27,000	20,250	13,500	6,750
<b>06/25/14 14 Improvements</b>	<b>1.78%</b>	<b>5,750,000</b>							
Principal-Last Pmt FY 24			575,000	575,000	575,000	575,000	575,000	575,000	575,000
Interest			212,750	184,000	155,250	143,750	115,000	86,250	57,500
<b>06/23/15 15 Improvements</b>	<b>2.10%</b>	<b>3,475,000</b>							
Principal-Last Pmt FY 25			350,000	350,000	350,000	350,000	345,000	345,000	345,000
Interest			118,100	104,100	90,100	76,100	62,100	55,200	41,400
<b>06/23/15 Library-Refunded</b>	<b>2.09%</b>	<b>3,685,000</b>							
Principal-Last Pmt FY 26			350,000	350,000	345,000	340,000	340,000	330,000	325,000
Interest			109,850	95,850	81,950	68,250	58,050	49,700	39,875
<b>06/15/16 16 Improvements</b>	<b>1.38%</b>	<b>6,100,000</b>							
Principal-Last Pmt FY 26			610,000	610,000	610,000	610,000	610,000	610,000	610,000
Interest			220,684	213,500	195,200	170,800	146,400	122,000	97,600
<b>06/15/16 Fire Station 2 Replacement-Refunded</b>	<b>1.56%</b>	<b>1,713,000</b>							
Principal-Last Pmt FY 28			188,000	188,500	175,000	175,000	175,000	171,500	170,000
Interest			74,789	69,165	61,660	54,660	47,660	40,660	33,800
<b>06/15/16 Fire Station 2 Land-Refunded</b>	<b>1.56%</b>	<b>619,000</b>							
Principal-Last Pmt FY 28			69,000	66,500	65,000	65,000	65,000	63,500	60,000
Interest			26,906	24,885	22,240	19,640	17,040	14,440	11,900
<b>06/15/16 Fire Station 2 Replacement-Refunded</b>	<b>1.56%</b>	<b>708,500</b>							
Principal-Last Pmt FY 29			75,000	75,000	75,000	75,000	75,000	70,000	70,000
Interest			25,889	33,590	29,840	26,090	23,840	22,340	19,540



CITY OF PORTSMOUTH, NEW HAMPSHIRE  
LONG-TERM DEBT SERVICE FORECAST MODEL

			FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
<b>Total General Fund-Gen Gov Issued Debt Principal Due</b>			4,883,195	4,177,905	3,907,905	3,372,617	3,150,000	3,030,000	2,380,000
<b>Total General Fund-Gen Gov Issued Debt Interest Due</b>			1,127,693	966,502	814,288	679,723	542,340	420,090	308,365
<b>Total General Fund-Gen Gov Issued Debt</b>			6,010,888	5,144,408	4,722,193	4,052,339	3,692,340	3,450,090	2,688,365
<b>Schools</b>									
10/21/14	15 School Building Improvements	2.09%	375,000						
	Principal-Last Pmt FY 18		3 Yr	124,972	127,635				
	Interest			5,367	2,705				
06/15/08	08 School Building Improvements	3.46%	500,000						
	Principal-Last Pmt FY 18		10 Yr	50,000	50,000				
	Interest			3,875	2,000				
05/15/10	10 School Building Improvements	2.48%	500,000						
	Principal-Last Pmt FY 20		10 Yr	50,000	50,000	50,000	50,000		
	Interest			8,750	6,750	4,500	2,250		
06/27/13	13 School Building Improvements	1.69%	500,000						
	Principal-Last Pmt FY 23		10 Yr	50,000	50,000	50,000	50,000	50,000	50,000
	Interest			10,500	9,000	7,500	6,000	4,500	3,000
05/17/12	High School Renovations-Refunding	1.78%	17,325,000						
	Principal-Last Pmt FY 23		10 YR	1,745,000	1,720,000	1,700,000	1,690,000	1,680,000	1,665,000
	Interest			439,100	369,800	301,400	233,600	166,200	99,300
06/23/15	15 School Field Lighting	2.10%	750,000						
	Principal-Last Pmt FY 25		10 Yr	75,000	75,000	75,000	75,000	75,000	75,000
	Interest			25,500	22,500	19,500	16,500	13,500	12,000
06/15/16	16 School Building Improvements	1.37%	500,000						
	Principal-Last Pmt FY 26		10 Yr	50,000	50,000	50,000	50,000	50,000	50,000
	Interest			18,089	17,500	16,000	14,000	12,000	10,000
05/15/10	Middle School Renovation	3.34%	15,000,000						
	Principal-Last Pmt FY 30		20 YR	750,000	750,000	750,000	750,000	750,000	750,000
	Interest			397,500	367,500	333,750	300,000	266,250	243,750
12/14/11	Middle School Renovation	3.00%	22,500,000						
	Principal-Last Pmt FY 32		20 YR	1,125,000	1,125,000	1,125,000	1,125,000	1,125,000	1,125,000
	Interest			631,406	586,406	558,281	524,531	473,906	417,656
06/25/14	Middle School Renovation	2.87%	3,300,000						
	Principal-Last Pmt FY 34		20 YR	165,000	165,000	165,000	165,000	165,000	165,000
	Interest			128,700	120,450	112,200	108,900	100,650	92,400
06/15/16	16 Elementary Schools Renovations	2.14%	5,000,000						
	Principal-Last Pmt FY 36		20 YR	250,000	250,000	250,000	250,000	250,000	250,000
				154,000	152,500	145,000	135,000	125,000	105,000
<b>Total General Fund-School Issued Debt Principal Due</b>			4,434,972	4,412,635	4,215,000	4,205,000	4,145,000	4,130,000	4,115,000
<b>Total General Fund-School Issued Debt Interest Due</b>			1,822,788	1,657,111	1,498,131	1,340,781	1,162,006	993,106	832,681
<b>Total General Fund-School Issued Debt</b>			6,257,760	6,069,746	5,713,131	5,545,781	5,307,006	5,123,106	4,947,681
<b>Total General Fund- Issued Debt Principal Due</b>			9,318,167	8,590,540	8,122,905	7,577,617	7,295,000	7,160,000	6,495,000
<b>Total General Fund-Issued Debt Interest Due</b>			2,950,481	2,623,613	2,312,419	2,020,504	1,704,346	1,413,196	1,141,046
<b>Total General Fund-Issued Debt</b>			12,268,648	11,214,154	10,435,324	9,598,120	8,999,346	8,573,196	7,636,046
<b>Issued Debt Related Revenues</b>									
GF	Use of Unused Bond Proceeds								
GF	Coakley Landfill State Aid		(39,087)	(38,077)	(37,067)				
GF	Use of Debt Reserve		(1,700,000)	(1,700,000)	(1,700,000)	(1,700,000)	(1,900,000)	(1,900,000)	(1,900,000)
GF	School Building Aid (High School 55%)		(1,016,222)	(1,016,222)	(1,016,222)	(1,016,222)	(1,016,222)	(1,016,222)	(1,016,222)
GF	School Building Aid on \$15m (Middle School 40%)		(302,873)	(302,873)	(302,873)	(302,873)	(302,873)	(302,873)	(302,873)
GF	School Building Aid on \$22.5m (Middle School 40%)		(451,210)	(451,210)	(451,210)	(451,210)	(451,210)	(451,210)	(451,210)
GF	School Building Aid on \$3.3m (Middle School Estimate 40%)		(66,000)	(66,000)	(66,000)	(66,000)	(66,000)	(66,000)	(66,000)
<b>Total Issued Debt Related Revenues-General Fund</b>			<b>(3,575,392)</b>	<b>(3,574,382)</b>	<b>(3,573,372)</b>	<b>(3,536,305)</b>	<b>(3,736,305)</b>	<b>(3,736,305)</b>	<b>(3,736,305)</b>
<b>Total Net Issued Debt-General Fund</b>			<b>8,693,256</b>	<b>7,639,772</b>	<b>6,861,952</b>	<b>6,061,815</b>	<b>5,263,041</b>	<b>4,836,891</b>	<b>3,899,741</b>

GENERAL FUND

**CITY OF PORTSMOUTH, NEW HAMPSHIRE  
LONG-TERM DEBT SERVICE FORECAST MODEL**

		<u>FY 17</u>	<u>FY 18</u>	<u>FY 19</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>	
<b><u>GENERAL FUND-Projected Future Debt</u></b>									
	Allocation to Debt reserve								
	Issued and Refunding Difference Budgeted vs actual	64,600							
20 yr 3.75%	ELEMENTARY SCHOOL UPGRADES	5,000,000	93,750	437,500	428,125	418,750	409,375	400,000	390,625
	<b><u>Authorized 04/18/16</u></b>								
10 yr 3.75%	CHESTNUT AREA IMPROVEMENTS	200,000	3,750	27,500	26,750	26,000	25,250	24,500	23,750
10 yr 3.75%	MULTI-PURPOSE RECREATION FIELD (FMR. STUMP DUMP)	1,750,000	54,250	240,625	234,063	227,500	220,938	214,375	207,813
10 yr 3.75%	OUTDOOR POOL UPGRADES	500,000	9,375	68,750	66,875	65,000	63,125	61,250	59,375
10 yr 3.75%	CITYWIDE FACILITIES CAPITAL IMPROVEMENTS	1,000,000	18,750	137,500	133,750	130,000	126,250	122,500	118,750
10 yr 3.75%	MCDONOUGH ST AREA IMPROVEMENTS	400,000	7,500	55,000	53,500	52,000	50,500	49,000	47,500
10 yr 3.75%	PEASE ROADWAY IMPROVEMENTS	2,500,000	46,875	343,750	334,375	325,000	315,625	306,250	296,875
10 yr 3.75%	BANFIELD ROAD IMPROVEMENTS	500,000	9,375	68,750	66,875	65,000	63,125	61,250	59,375
	<b><u>Authorized 07/11/16</u></b>								
5 yr 3.75%	FIRE RESCUE #3	400,000	7,500	95,000	92,000	89,000	86,000	83,000	
10 yr 3.75%	FIRE STATION THREE REHABILITATION	610,000	11,438	83,875	81,588	79,300	77,013	74,725	72,438
	<b><u>Authorized 02/6/17</u></b>								
	<b>Total FY 17 New Bonding</b>	<b>12,860,000</b>							
5 yr 3.75%	FIRE BOAT	180,000		3,375	42,075	40,725	39,375	38,025	36,675
20 yr 3.75%	ELEMENTARY SCHOOL UPGRADES	5,000,000		93,750	432,813	423,438	414,063	404,688	395,313
	<b><u>Authorized 04/3/17</u></b>								
10 yr 3.75%	HIGH SCHOOL ATHLETIC FIELD LIGHTING	550,000		10,313	74,594	72,531	70,469	68,406	66,344
10 yr 3.75%	CITY FIELDS LIGHTING	600,000		11,250	81,375	79,125	76,875	74,625	72,375
10 yr 3.75%	MAPLEWOOD AVE COMPLETE STREET	450,000		8,438	61,031	59,344	57,656	55,969	54,281
10 yr 3.75%	NORTH POND MULTI USE PATH	500,000		9,375	67,813	65,938	64,063	62,188	60,313
10 yr 3.75%	CITYWIDE SIDEWALK RECONSTRUCTION PROGRAM	800,000		15,000	108,500	105,500	102,500	99,500	96,500
10 yr 3.75%	LAFAYETTE RD/ANDREW JARVIS INTERSECTION	800,000		15,000	108,500	105,500	102,500	99,500	96,500
10 yr 3.75%	HOOVER/TAFT DRAINAGE UPGRADE	250,000		4,688	33,906	32,969	32,031	31,094	30,156
10 yr 3.75%	PLEASANT STREET RECONSTRUCTION	750,000		14,063	101,719	98,906	96,094	93,281	90,469
10 yr 3.75%	NEW FRANKLIN/WOODBURY CORRIDOR IMPROVEMENTS	500,000		9,375	67,813	65,938	64,063	62,188	60,313
10 yr 3.75%	MCDONOUGH STREET IMPROVEMENTS	800,000		15,000	108,500	105,500	102,500	99,500	96,500
10 yr 3.75%	ISLINGTON STREET-STREETSCAPE IMPROVEMENTS	2,500,000		46,875	339,063	329,688	320,313	310,938	301,563
10 yr 3.75%	STREET PAVING, MANAGEMENT AND REHABILITATION	3,000,000		56,250	406,875	395,625	384,375	373,125	361,875
	<b>Total FY 18 New Bonding</b>	<b>16,680,000</b>							

**CITY OF PORTSMOUTH, NEW HAMPSHIRE  
LONG-TERM DEBT SERVICE FORECAST MODEL**

		<u>FY 17</u>	<u>FY 18</u>	<u>FY 19</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>
5 yr 3.75%	FIRE ENGINE #6	600,000		11,250	140,250	135,750	131,250	126,750
10 yr 3.75%	SCHOOL FACILITIES CAPITAL IMPROVEMENTS	500,000		9,375	67,813	65,938	64,063	62,188
20 yr 3.75%	ELEMENTARY SCHOOL UPGRADES	5,000,000		93,750	432,813	423,438	414,063	404,688
10 yr 3.75%	KEARSARGE WAY BRIDGE DECK REPAIR	350,000		6,563	47,469	46,156	44,844	43,531
10 yr 3.75%	LONGMEADOW ROAD EXTENSION	700,000		13,125	94,938	92,313	89,688	87,063
10 yr 3.75%	PEVERLY HILL ROAD IMPROVEMENTS	2,200,000		41,250	298,375	290,125	281,875	273,625
10 yr 3.75%	MARKET ST GATEWAY IMPROVEMENTS	1,500,000		28,125	203,438	197,813	192,188	186,563
	<b>Total FY 19 New Bonding</b>	<b>10,850,000</b>						
20 yr 3.75%	POLICE STATION	11,000,000			206,250	952,188	931,563	910,938
10 yr 3.75%	EXISTING RECREATION FIELDS IMPROVEMENTS	1,000,000			18,750	135,625	131,875	128,125
20 yr 3.75%	RECYCLING & SOLID WASTE TRANSFER STATION	2,750,000			51,563	238,047	232,891	227,734
10 yr 3.75%	OUTDOOR POOL UPGRADES	500,000			9,375	67,813	65,938	64,063
10 yr 3.75%	CITYWIDE FACILITIES CAPITAL IMPROVEMENTS	1,000,000			18,750	135,625	131,875	128,125
10 yr 3.75%	MARKET SQUARE UPGRADES	1,000,000			18,750	135,625	131,875	128,125
10 yr 3.75%	CITYWIDE SIDEWALK RECONSTRUCTION PROGRAM	800,000			15,000	108,500	105,500	102,500
10 yr 3.75%	RUSSELL-MARKET INTERSECTION UPGRADES	1,000,000			18,750	135,625	131,875	128,125
10 yr 3.75%	STREET PAVING, MANAGEMENT AND REHABILITATION	3,000,000			56,250	406,875	395,625	384,375
10 yr 3.75%	PEASE-ROADWAY REHABILITATIONS	750,000			18,750	135,625	131,875	128,125
	<b>Total FY 20 New Bonding</b>	<b>22,800,000</b>						
5 yr 3.75%	FIRE LADDER #2	800,000				15,000	187,000	181,000
10 yr 3.75%	OUTDOOR RECREATION FIELDS-CITY OWED-CAMPUS DR	3,000,000				56,250	406,875	395,625
10 yr 3.75%	ELWYN PARK SIDEWALKS PHASE I	980,000				18,375	132,913	129,238
10 yr 3.75%	BANFIELD ROAD IMPROVEMENTS	375,000				7,031	50,859	49,453
10 yr 3.75%	JUNKINS AVENUE	1,100,000				20,625	149,188	145,063
	<b>Total FY 21 New Bonding</b>	<b>6,255,000</b>						
10 yr 3.75%	SCHOOL FACILITIES CAPITAL IMPROVEMENTS	500,000					9,375	67,813
20 yr 3.75%	INDOOR RECREATION FACILITY	2,000,000					37,500	173,125
10 yr 3.75%	CITYWIDE SIDEWALK RECONSTRUCTION PROGRAM	800,000					15,000	108,500
20 yr 3.75%	MAPLEWOOD AVE CULVERT REPLACEMENT	3,800,000					71,250	328,938
10 yr 3.75%	STREET PAVING, MANAGEMENT AND REHABILITATION	3,000,000					56,250	406,875
10 yr 3.75%	PEASE-ROADWAY REHABILITATIONS	750,000					18,750	135,625
	<b>Total FY 22 New Bonding</b>	<b>10,850,000</b>						

**CITY OF PORTSMOUTH, NEW HAMPSHIRE  
LONG-TERM DEBT SERVICE FORECAST MODEL**

	<u>FY 17</u>	<u>FY 18</u>	<u>FY 19</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>
10 yr 3.75% BLEACHER/GRANSTANDS							18,750
10 yr 3.75% CITYWIDE FACILITIES CAPITAL IMPROVEMENTS							18,750
10 yr 3.75% PEIRCE ISLAND BRIDGE REPLACEMENT							31,500
10 yr 3.75% NORTH POND MULTI USE PATH							46,875
10 yr 3.75% US RT 1 NEW SIDEWALK CONSTRUCTION							39,375
10 yr 3.75% ELWYN RD SIDEWALK EXTENSION							28,125
<b>Total FY 23 New Bonding</b>		<b>9,780,000</b>					
<b>Total Projected Future Debt (FY18-FY23) Does not include FY 17</b>		<b>77,215,000</b>					
<b>Total General Fund-Projected Future Debt</b>	<b>327,163</b>	<b>1,871,000</b>	<b>3,755,913</b>	<b>5,175,556</b>	<b>7,184,434</b>	<b>8,013,694</b>	<b>8,914,944</b>
<b>Future Debt Related Revenues</b>							
<b>Total Future Debt Related Revenues-General Fund</b>	-	-	-	-	-	-	-
<b>Total Net Projected Future Debt-General Fund</b>	<b>327,163</b>	<b>1,871,000</b>	<b>3,755,913</b>	<b>5,175,556</b>	<b>7,184,434</b>	<b>8,013,694</b>	<b>8,914,944</b>
<b>Total Gross Issued and Projected Debt-General Fund</b>	<b>12,595,810</b>	<b>13,085,154</b>	<b>14,191,237</b>	<b>14,773,677</b>	<b>16,183,781</b>	<b>16,586,890</b>	<b>16,550,990</b>
<b>Total Debt Related Revenues Actual and Projected</b>	<b>(3,575,392)</b>	<b>(3,574,382)</b>	<b>(3,573,372)</b>	<b>(3,536,305)</b>	<b>(3,736,305)</b>	<b>(3,736,305)</b>	<b>(3,736,305)</b>
<b>Total Net Issued and Projected Debt-General Fund</b>	<b>9,020,419</b>	<b>9,510,772</b>	<b>10,617,864</b>	<b>11,237,372</b>	<b>12,447,476</b>	<b>12,850,585</b>	<b>12,814,685</b>

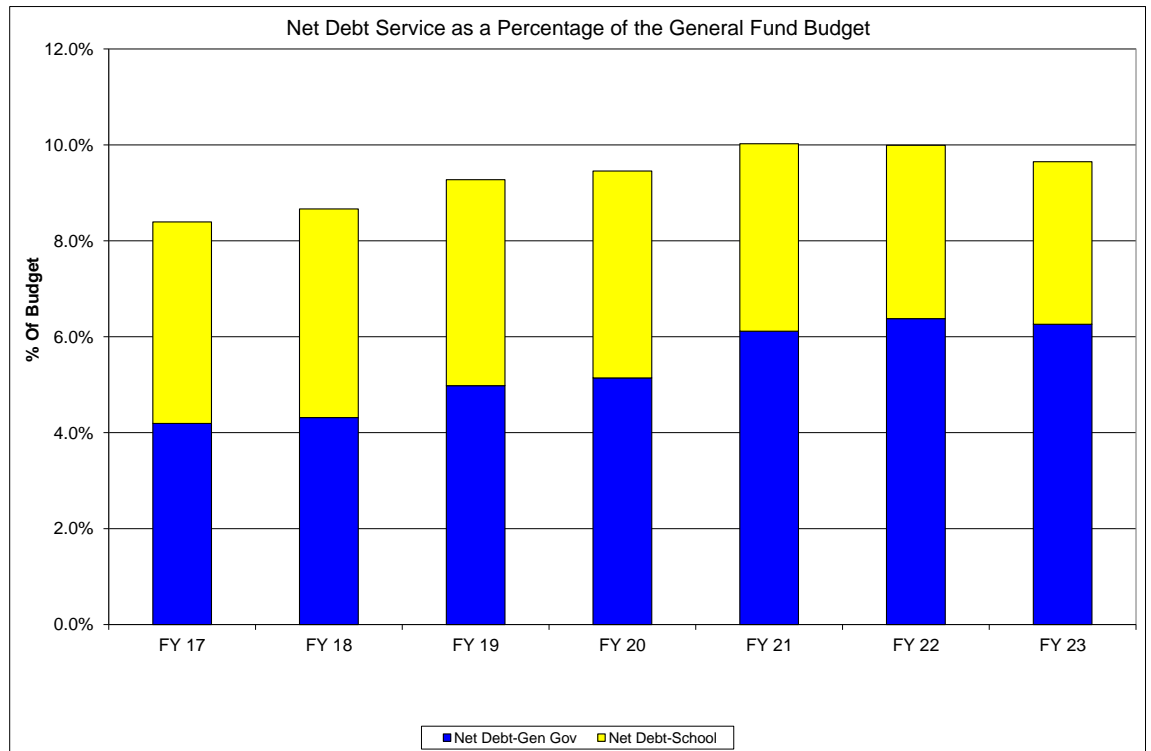
**GENERAL FUND**

**CITY OF PORTSMOUTH, NEW HAMPSHIRE  
LONG TERM DEBT SERVICE FORECAST MODEL**

City of Portsmouth

Net Debt Service as a Percentage of the General Fund Budget

	<u>FY 17</u>	<u>FY 18</u>	<u>FY 19</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>
Total Gen Fund Without Debt Service (increase 3.76% in FY 19 and beyond)	94,867,033	96,670,051	100,304,845	104,076,307	107,989,576	112,049,984	116,263,064
Existing Debt Service-School	6,257,760	6,069,746	5,713,131	5,545,781	5,307,006	5,123,106	4,947,681
Existing Debt Service-Gen Gov	6,010,888	5,144,408	4,722,193	4,052,339	3,692,340	3,450,090	2,688,365
Projected Debt Service-School	93,750	541,563	1,038,656	1,415,344	1,383,281	1,360,594	1,386,969
Projected Debt Service-Gen Gov	233,413	1,329,438	2,717,256	3,760,213	5,801,153	6,653,100	7,527,975
<b>Total Gross Debt Service</b>	<b>12,595,810</b>	<b>13,085,154</b>	<b>14,191,237</b>	<b>14,773,677</b>	<b>16,183,781</b>	<b>16,586,890</b>	<b>16,550,990</b>
<b>Total Net Debt</b>	<b>9,020,419</b>	<b>9,510,772</b>	<b>10,617,864</b>	<b>11,237,372</b>	<b>12,447,476</b>	<b>12,850,585</b>	<b>12,814,685</b>
Total Projected General Fund Budget	107,462,843	109,755,205	114,496,082	118,849,984	124,173,357	128,636,874	132,814,054
Percentage Net Debt-School of Budget	4.20%	4.35%	4.29%	4.31%	3.91%	3.61%	3.39%
Percentage Net Debt-Gen Gov of Budget	4.19%	4.31%	4.98%	5.14%	6.12%	6.38%	6.26%
<b>Total Percentage Net Debt Service of Budget</b>	<b>8.39%</b>	<b>8.67%</b>	<b>9.27%</b>	<b>9.46%</b>	<b>10.02%</b>	<b>9.99%</b>	<b>9.65%</b>



CITY OF PORTSMOUTH, NEW HAMPSHIRE  
 LONG-TERM DEBT SERVICE FORECAST MODEL

	<u>FY 17</u>	<u>FY 18</u>	<u>FY 19</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>
<b><u>ISSUED DEBT</u></b>							
<b><u>PARKING &amp; TRANSPORTATION FUND-Issued Debt</u></b>	<u>FY 17</u>	<u>FY 18</u>	<u>FY 19</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>
<b>Total Parking/Trans Fund Issued Debt Principal Due</b>	-	-	-	-	-	-	-
<b>Total Parking/Trans Fund Issued Debt Interest Due</b>	-	-	-	-	-	-	-
<b>Total Parking/TransFund-Issued Debt</b>	-	-	-	-	-	-	-
<b><u>PROJECTED FUTURE DEBT:</u></b>							
<b><u>PARKING/TRANSPORTATION FUND- Projected Future Debt</u></b>	<u>FY 17</u>	<u>FY 18</u>	<u>FY 19</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>
20 yr 3.75% <u>PARKING FACILITY - DOWNTOWN LOCATION</u> <u>Authorized 05/04/15</u>	23,200,000	169,925	464,000	1,972,000	1,931,400	1,890,800	1,850,200
20 yr 3.75% <u>HIGH HANOVER UPGRADES</u>	5,000,000			93,750	432,813	423,438	414,063
<b>Total Parking/Transportation Fund-Projected Future Debt</b>	<b>169,925</b>	<b>464,000</b>	<b>2,065,750</b>	<b>2,364,213</b>	<b>2,314,238</b>	<b>2,264,263</b>	<b>2,214,288</b>
<b><u>Future Debt Related Revenues</u></b>	<u>FY 17</u>	<u>FY 18</u>	<u>FY 19</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>
<b>Total Future Debt Related Revenues-Parking/Transportation Fund</b>	-	-	-	-	-	-	-
<b>Total Net Projected Future Debt-Parking/Transportation Fund</b>	169,925	464,000	2,065,750	2,364,213	2,314,238	2,264,263	2,214,288
<b>Total Net Issued and Projected Debt-Parking/Transportation Fund</b>	169,925	464,000	2,065,750	2,364,213	2,314,238	2,264,263	2,214,288

CITY OF PORTSMOUTH, NEW HAMPSHIRE  
 LONG-TERM DEBT SERVICE FORECAST MODEL

	<u>FY 17</u>	<u>FY 18</u>	<u>FY 19</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>
<b><u>ISSUED DEBT</u></b>							
<b><u>DEBT SERVICE FUND-Issued Debt</u></b>							
<u>06/15/16 Commerce Way-Betterment</u> <u>1.39%</u> <u>1,524,710</u>							
Principal-Last Pmt FY 26	134,710	135,000	135,000	140,000	150,000	155,000	160,000
Interest	55,679	54,250	50,200	44,800	39,200	33,200	27,000
<b>Total Debt Service Fund Issued Debt Principal Due</b>	<b>134,710</b>	<b>135,000</b>	<b>135,000</b>	<b>140,000</b>	<b>150,000</b>	<b>155,000</b>	<b>160,000</b>
<b>Total Debt Service Fund Issued Debt Interest Due</b>	<b>55,679</b>	<b>54,250</b>	<b>50,200</b>	<b>44,800</b>	<b>39,200</b>	<b>33,200</b>	<b>27,000</b>
<b>Total Debt Service Fund-Issued Debt</b>	<b>190,388.77</b>	<b>189,250.00</b>	<b>185,200.00</b>	<b>184,800.00</b>	<b>189,200.00</b>	<b>188,200.00</b>	<b>187,000.00</b>
<b><u>Issued Debt Related Revenues</u></b>							
Properties Subject to Commerce Way Betterment Assessment	(190,389)	(189,250)	(185,200)	(184,800)	(189,200)	(188,200)	(187,000)
<b>Total Net Issued Debt Service Fund</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

DEBT SERVICE FUND

**WATER FUND**

**CITY OF PORTSMOUTH, NEW HAMPSHIRE  
LONG-TERM DEBT SERVICE FORECAST MODEL  
CASH BASIS**

	<u>FY 17</u>	<u>FY 18</u>	<u>FY 19</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>
<b><u>ISSUED DEBT</u></b>							
<b><u>WATER FUND-Issued Debt</u></b>							
<b>05/15/02 Upgrade Motor Control Center</b>	<b>3.98%</b>	<b>300,000</b>					
Principal-Last Pmt FY 22		15,000	15,000	15,000	15,000	15,000	15,000
Interest		3,579	2,982	2,386	1,790	1,193	597
<b>05/15/02 Corrosion Control Program</b>	<b>3.80%</b>	<b>288,000</b>					
Principal-Last Pmt FY 22		14,400	14,400	14,400	14,400	14,400	14,400
Interest		3,284	2,736	2,189	1,642	1,095	548
<b>11/01/02 Constitution Avenue</b>	<b>3.70%</b>	<b>4,800,000</b>					
Principal-Last Pmt FY 23		240,000	240,000	240,000	240,000	240,000	240,000
Interest		62,228	53,338	44,448	35,559	26,669	17,780
<b>12/01/02 Spinney Tank</b>	<b>3.73%</b>	<b>1,162,560</b>					
Principal-Last Pmt FY 23		58,128	58,128	58,128	58,128	58,128	58,128
Interest		15,170	13,003	10,836	8,669	6,502	4,335
<b>06/01/08 Madbury Treatment Plant-Design</b>	<b>2.49%</b>	<b>2,000,000</b>					
Principal-Last Pmt FY 28		100,000	100,000	100,000	100,000	100,000	100,000
Interest		41,856	38,368	34,880	31,392	27,904	24,416
<b>01/15/09 Madbury Treatment Plant-Refunded</b>	<b>1.56%</b>	<b>7,921,500</b>					
Principal-Last Pmt FY 29		845,000	845,000	840,000	795,000	795,000	795,000
Interest		290,911	377,260	335,010	293,010	269,160	253,260
<b>02/01/12 Madbury Treatment Plant</b>	<b>2.72%</b>	<b>5,000,000</b>					
Principal-Last Pmt FY 32		250,000	250,000	250,000	250,000	250,000	250,000
Interest		108,800	102,000	95,200	88,400	81,600	74,800
<b>06/25/14 Hobbs Hill Water Tank</b>	<b>2.87%</b>	<b>3,500,000</b>					
Principal-Last Pmt FY 34		175,000	175,000	175,000	175,000	175,000	175,000
Interest		136,500	127,750	119,000	115,500	106,750	98,000
<b>06/23/15 FY 15 Water Improvements</b>	<b>2.99%</b>	<b>4,800,000</b>					
Principal-Last Pmt FY 35		240,000	240,000	240,000	240,000	240,000	240,000
Interest		158,400	148,800	139,200	129,600	120,000	115,200
<b>06/15/16 FY 16 Water Improvements</b>	<b>2.14%</b>	<b>4,100,000</b>					
Principal-Last Pmt FY 36		205,000	205,000	205,000	205,000	205,000	205,000
Interest		126,280	125,050	118,900	110,700	102,500	94,300
<b>Total Water Fund Issued Debt Principal Due</b>		<b>2,142,528</b>	<b>2,142,528</b>	<b>2,137,528</b>	<b>2,092,528</b>	<b>2,092,528</b>	<b>2,063,128</b>
<b>Total Water Fund Issued Debt Interest Due</b>		<b>947,008</b>	<b>991,287</b>	<b>902,049</b>	<b>816,262</b>	<b>743,373</b>	<b>602,396</b>
<b>Total Water Fund-Issued Debt</b>		<b>3,089,536</b>	<b>3,133,815</b>	<b>3,039,577</b>	<b>2,908,790</b>	<b>2,835,901</b>	<b>2,665,524</b>
<b><u>PROJECTED FUTURE DEBT:</u></b>							
<b><u>WATER FUND-Projected Future Debt</u></b>							
Issued/Refunded Difference Budgeted vs actual		193,809					
<b>20 yr</b>	FY16-New Castle Water Lines Improvements	3.75%	<b>3,000,000</b>	No projection on project			
<b>20 yr</b>	FY17-Annual Waterline Replacement	3.75%	<b>1,500,000</b>	28,125	129,844	127,031	124,219
<b>20 yr</b>	FY17-Water System Pressure and Storage Im	3.75%	<b>750,000</b>	14,063	64,922	63,516	62,109
	Authorized 07/11/16					60,703	59,297
<b>20 yr</b>	FY18-Annual Waterline Replacement	3.75%	<b>2,500,000</b>			216,406	211,719
<b>10 yr</b>	FY18-Pleasant Street Water Line	3.75%	<b>600,000</b>			81,375	79,125
						76,875	74,625
<b>20 yr</b>	FY 19-New Groundwater Source	3.75%	<b>2,500,000</b>			46,875	216,406
						211,719	207,031
<b>10 yr</b>	FY20-Reservoir Management	3.75%	<b>500,000</b>			9,375	67,813
<b>10 yr</b>	FY 20 Madbury Well 5	3.75%	<b>500,000</b>			9,375	67,813
						65,938	65,938
<b>20 yr</b>	FY 21 Water Transmission Main Replacement	3.75%	<b>5,500,000</b>				103,125
							476,094
							465,781
	<b>Total Projected</b>		<b>12,100,000</b>				
	<b>Total Projected Future Debt (FY18-FY23) Does not include pre FY 18</b>						
	<b>Total Water Fund-Projected Future Debt</b>		<b>235,997</b>	<b>194,766</b>	<b>535,203</b>	<b>712,328</b>	<b>916,484</b>
						<b>1,269,859</b>	<b>1,239,953</b>
	<b>Total Issued and Projected Debt Water Fund</b>		<b>3,325,533</b>	<b>3,328,581</b>	<b>3,574,780</b>	<b>3,621,118</b>	<b>3,752,385</b>
						<b>4,045,623</b>	<b>3,905,477</b>



**SEWER FUND**

**CITY OF PORTSMOUTH, NEW HAMPSHIRE  
LONG-TERM DEBT SERVICE FORECAST MODEL  
CASH BASIS**

	<u>FY 17</u>	<u>FY 18</u>	<u>FY 19</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>
<b>ISSUED DEBT</b>							
<b>SEWER FUND-Issued Debt</b>							
12/21/00 Pease WWTP	6,586,836						
Principal-Last Pmt FY 20		321,450	321,450	321,450	321,450		
Interest-State recalculated interest starting in FY 15 total saving \$226,950		13,115	9,836	6,558	3,279		
06/11/02 Sewer Projects Phase 1	4,931,361						
Principal-Last Pmt FY 22		246,568	246,568	246,568	246,568	246,568	246,568
Interest-State recalculated interest starting in FY 15 total saving \$197,808		20,120	16,767	13,413	10,060	6,707	3,353
09/12/12 SSES - State Street	1,500,000						
Principal-Last Pmt FY 23		150,043	150,043	150,043	150,043	150,043	150,043
Interest-State recalculated interest starting in FY 15 total saving \$27,268		12,244	10,203	8,162	6,122	4,081	2,041
05/04/05 Sewer Projects Phase 2	8,898,110						
Principal-Last Pmt FY 25		444,905	444,905	444,905	444,905	444,905	444,905
Interest-State recalculated interest starting in FY 15 total saving \$504,176		74,878	66,558	58,238	49,918	41,599	33,279
06/15/16 FY16-Sewer System Improvements	1,000,000						
Principal-Last Pmt FY 26		100,000	100,000	100,000	100,000	100,000	100,000
Interest		36,178	35,000	32,000	28,000	24,000	20,000
12/01/08 Sewer Projects Phase 3	5,508,137						
Principal-Last Pmt FY 28		275,407	275,407	275,407	275,407	275,407	275,407
Interest-State recalculated interest starting in FY 15 total saving \$306,168		78,656	72,102	65,547	58,992	52,437	45,883
12/01/08 Lower Court Street Loan	688,562						
Principal-Last Pmt FY 28		34,428	34,428	34,428	34,428	34,428	34,428
Interest-State recalculated interest starting in FY 15 total saving \$36,048		9,833	9,013	8,194	7,375	6,555	5,736
01/01/11 Rye Line Pump Station Upgrades	1,069,714						
Principal-Last Pmt FY 30		53,486	53,486	53,486	53,486	53,486	53,486
Interest-State recalculated interest starting in FY 15 total saving \$25,456		19,349	17,967	16,585	15,203	13,821	12,439
01/01/11 201 Facilities Plan Updates	1,000,000						
Principal-Last Pmt FY 30		50,000	50,000	50,000	50,000	50,000	50,000
Interest-State recalculated interest starting in FY 15 total saving \$24,288		18,088	16,796	15,504	14,212	12,920	11,628
12/16/11 LTCP Bartlett St. Area Sewer Ext	5,290,233						
Principal-Last Pmt FY 31		264,512	264,512	264,512	264,512	264,512	264,512
Interest-State recalculated interest starting in FY 15 total saving \$191,222		103,874	96,949	90,024	83,099	76,174	69,249
12/14/11 P.I.W.W.T.P. Pref. Eng and LTCP Imp	3,000,000						
Principal-Last Pmt FY 32		150,000	150,000	150,000	150,000	150,000	150,000
Interest		84,188	78,188	74,438	69,938	63,188	55,688
03/19/12 LTCP Contract #3B and Cass St Area	8,000,000						
Principal-Last Pmt FY 32		400,000	400,000	400,000	400,000	400,000	400,000
Interest		202,500	186,500	170,500	154,500	138,500	122,500
06/27/13 LTCP Contract #3C Lincoln Area	3,929,000						
Principal-Last Pmt FY 33		200,000	200,000	195,000	195,000	195,000	195,000
Interest		101,310	95,310	89,310	83,460	77,610	71,760
06/01/14 LTCP Contract #3C	5,595,874						
Principal-Last Pmt FY 33		279,794	279,794	279,794	279,794	279,794	279,794
Interest		159,438	150,059	140,680	131,302	121,923	112,544
06/25/14 Peirce Island WWTP	10,000,000						
Principal-Last Pmt FY 34		500,000	500,000	500,000	500,000	500,000	500,000
Interest		390,000	365,000	340,000	330,000	305,000	280,000
06/25/14 Pease WWTP	3,500,000						
Principal-Last Pmt FY 34		175,000	175,000	175,000	175,000	175,000	175,000
Interest		136,500	127,750	119,000	115,500	106,750	98,000
06/23/15 Pease WWTP	1,000,000						
Principal-Last Pmt FY 35		50,000	50,000	50,000	50,000	50,000	50,000
Interest		33,000	31,000	29,000	27,000	25,000	24,000
06/15/16 Lafayette Rd Pumping Station	3,000,000						
Principal-Last Pmt FY 36		150,000	150,000	150,000	150,000	150,000	150,000
Interest		92,400	91,500	87,000	81,000	75,000	69,000
Total Interest savings from State recalculation FY 15 - FY 31	\$1,539,384						
<b>Total Sewer Fund Issued Debt Principal Due</b>	3,845,593	3,845,593	3,840,593	3,840,593	3,519,142	3,519,142	3,122,531
<b>Total Sewer Fund Issued Debt Interest Due</b>	1,585,669	1,476,497	1,364,153	1,268,958	1,151,264	1,037,099	923,433
<b>Total Sewer Fund-Issued Debt</b>	5,431,262	5,322,090	5,204,745	5,109,551	4,670,407	4,556,241	4,045,965
<b>Issued Debt Related Revenues</b>							
	<u>FY 17</u>	<u>FY 18</u>	<u>FY 19</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>
SEWER Pease Development Authority	(137,054)	(131,863)	(126,672)	(121,481)			
SEWER Pease WWTP-State Aid C-595	(100,370)	(99,386)	(98,402)	(97,420)			
SEWER Phase I-State Aid	(80,006)	(79,000)	(77,994)	(76,989)	(75,983)	(74,977)	
SEWER Phase 2-State Aid C-706	(155,935)	(153,439)	(150,943)	(148,448)	(145,952)	(143,455)	(140,959)
<b>Total Issued Debt Related Revenues-Sewer Fund</b>	<b>(473,365)</b>	<b>(463,688)</b>	<b>(454,011)</b>	<b>(444,338)</b>	<b>(221,935)</b>	<b>(218,432)</b>	<b>(140,959)</b>
<b>Total Net Issued Debt-Sewer Fund</b>	<b>4,957,897</b>	<b>4,858,402</b>	<b>4,750,734</b>	<b>4,665,213</b>	<b>4,448,472</b>	<b>4,337,809</b>	<b>3,905,006</b>

**SEWER FUND**

**SEWER FUND**

**CITY OF PORTSMOUTH, NEW HAMPSHIRE  
LONG-TERM DEBT SERVICE FORECAST MODEL  
CASH BASIS**

<b>SEWER FUND-Projected Future Debt</b>				<b>FY 17</b>	<b>FY 18</b>	<b>FY 19</b>	<b>FY 20</b>	<b>FY 21</b>	<b>FY 22</b>	<b>FY 23</b>	
Issued Difference Budgeted vs actual				21,422							
20 yr	FY17-P.I.W.W.T.P. Upgrades		<b>75,000,000</b>	388,765	421,084	362,839	476,114	5,152,800	5,073,285	4,993,770	
	<u>Authorized 03/14/16</u>	<b>SRF</b>									
10 yr	FY17-Goose Bay Drive Sewer	3.75%	<b>500,000</b>	9,375	67,813	65,938	64,063	62,188	60,313	58,438	
20 yr	FY17-Annual Sewer Line Replacement	3.75%	<b>2,500,000</b>	46,875	216,406	211,719	207,031	202,344	197,656	192,969	
10 yr	FY17-Pumping Station Upgrades	3.75%	<b>400,000</b>	7,500	54,250	52,750	51,250	49,750	48,250	46,750	
	<u>Authorized 07/11/16</u>										
10 yr	FY18-Consent Mitigation	3.75%	<b>400,000</b>			54,250	52,750	51,250	49,750	48,250	
20 yr	FY18-Peirce Island Wastewater treatment Plant	3.75%	<b>3,500,000</b>			302,969	296,406	289,844	283,281	276,719	
20 yr	FY18-Annual Sewer Line Replacement	3.75%	<b>3,000,000</b>			259,688	254,063	248,438	242,813	237,188	
10 yr	FY 18-Pumping Station	3.75%	<b>700,000</b>			94,938	92,313	89,688	87,063	84,438	
10 yr	FY 18-Union Street Sewer	3.75%	<b>700,000</b>			94,938	92,313	89,688	87,063	84,438	
20 yr	FY19-Peirce Island Wastewater treatment Plant	3.75%	<b>2,300,000</b>			43,125	199,094	194,781	190,469	186,156	
20 yr	FY19-Pease Wastewater Treatment Plant	3.75%	<b>7,200,000</b>			135,000	623,250	609,750	596,250	582,750	
20 yr	FY20-Consent Mitigation	3.75%	<b>2,500,000</b>				46,875	216,406	211,719	207,031	
20 yr	FY20-Peirce Island Wastewater treatment Plant	3.75%	<b>1,100,000</b>				20,625	95,219	93,156	91,094	
20 yr	FY20-Long Term Control Plan	3.75%	<b>3,000,000</b>				56,250	259,688	254,063	248,438	
10 yr	FY20-Pumping Station Upgrades	3.75%	<b>400,000</b>				7,500	54,250	52,750	51,250	
20 yr	FY20-Regional Degester Facility at Pease WWTF	3.75%	<b>1,200,000</b>				22,500	103,875	101,625	99,375	
20 yr	FY21-Mechanic St. Pumping Station Upgrade	3.75%	<b>1,500,000</b>					28,125	129,844	127,031	
20 yr	FY22-Mechanic St. Pumping Station Upgrade	3.75%	<b>8,000,000</b>						150,000	692,500	
10 yr	FY22-Pumping Station Upgrades	3.75%	<b>400,000</b>						7,500	54,250	
20 yr	FY22-Regional Degester Facility at Pease WWTF	3.75%	<b>16,500,000</b>						309,375	1,428,281	
	<b>Total Projected</b>		<b>52,400,000</b>								
Total Projected Future Debt (FY18-FY23) Does not include pre FY 18											
<b>Total Sewer Fund-Projected Future Debt</b>				<b>473,937</b>	<b>759,553</b>	<b>1,678,152</b>	<b>2,562,396</b>	<b>7,798,081</b>	<b>8,226,223</b>	<b>9,791,114</b>	
<b>Future Debt Related Revenues</b>											
				<b>FY 17</b>	<b>FY 18</b>	<b>FY 19</b>	<b>FY 20</b>	<b>FY 21</b>	<b>FY 22</b>	<b>FY 23</b>	
No Anticipated Revenues for New Debt				-	-	-	-	-	-	-	
<b>Total Future Debt Related Revenues-Sewer Fund</b>				<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Total Net Projected Future Debt-Sewer Fund</b>				<b>473,937</b>	<b>759,553</b>	<b>1,678,152</b>	<b>2,562,396</b>	<b>7,798,081</b>	<b>8,226,223</b>	<b>9,791,114</b>	
<b>Total Gross Issued and Projected Debt-Sewer</b>				<b>5,905,199</b>	<b>6,081,642</b>	<b>6,882,897</b>	<b>7,671,947</b>	<b>12,468,488</b>	<b>12,782,464</b>	<b>13,837,079</b>	
<b>Total Net Issued and Projected Debt-Sewer Fund</b>				<b>5,431,834</b>	<b>5,617,954</b>	<b>6,428,886</b>	<b>7,227,609</b>	<b>12,246,553</b>	<b>12,564,032</b>	<b>13,696,120</b>	

**CITY OF PORTSMOUTH, NEW HAMPSHIRE  
LONG-TERM DEBT SERVICE FORECAST MODEL**

City of Portsmouth

**Outstanding Debt Service by Fiscal Year**

Fiscal Year	General Fund-Gen Gov				General Fund-School				Total General Fund				
	Principal	Interest			Principal	Interest			Principal	Interest			
<u>FY 18</u>	1	4,177,905	966,502	16%	16%	4,412,635	1,657,310	10%	10%	8,590,540	2,623,812	12%	12%
<u>FY 19</u>	2	3,907,905	814,288	15%	32%	4,215,000	1,498,131	9%	19%	8,122,905	2,312,419	11%	23%
<u>FY 20</u>	3	3,372,617	679,723	13%	45%	4,205,000	1,340,781	9%	28%	7,577,617	2,020,504	11%	34%
<u>FY 21</u>	4	3,150,000	542,340	12%	57%	4,145,000	1,162,006	9%	37%	7,295,000	1,704,346	10%	44%
<u>FY 22</u>	5	3,030,000	420,090	12%	69%	4,130,000	993,106	9%	46%	7,160,000	1,413,196	10%	54%
<u>FY 23</u>	6	2,380,000	308,365	9%	78%	4,115,000	832,681	9%	55%	6,495,000	1,141,046	9%	63%
<u>FY 24</u>	7	2,150,000	212,990	8%	87%	2,415,000	716,806	5%	60%	4,565,000	929,796	6%	70%
<u>FY 25</u>	8	1,575,000	122,840	6%	93%	2,415,000	633,556	5%	65%	3,990,000	756,396	6%	75%
<u>FY 26</u>	9	1,225,000	59,940	5%	97%	2,340,000	544,681	5%	70%	3,565,000	604,621	5%	80%
<u>FY 27</u>	10	295,000	17,240	1%	99%	2,290,000	457,400	5%	75%	2,585,000	474,640	4%	84%
<u>FY 28</u>	11	290,000	9,940	1%	100%	2,290,000	382,059	5%	80%	2,580,000	391,999	4%	87%
<u>FY 29</u>	12	68,500	2,740	0%	100%	2,290,000	303,663	5%	85%	2,358,500	306,403	3%	91%
<u>FY 30</u>	13					2,290,000	222,688	5%	90%	2,290,000	222,688	3%	94%
<u>FY 31</u>	14					1,540,000	138,900	3%	94%	1,540,000	138,900	2%	96%
<u>FY 32</u>	15					1,540,000	79,800	3%	97%	1,540,000	79,800	2%	98%
<u>FY 33</u>	16					415,000	43,200	1%	98%	415,000	43,200	1%	99%
<u>FY 34</u>	17					415,000	29,100	1%	99%	415,000	29,100	1%	99%
<u>FY 35</u>	18					250,000	15,000	1%	99%	250,000	15,000	0%	100%
<u>FY 36</u>	19					250,000	7,500	1%	100%	250,000	7,500	0%	100%
<b>Totals</b>		<b>25,621,927</b>	<b>4,156,998</b>			<b>45,962,635</b>	<b>11,058,369</b>			<b>71,584,562</b>	<b>15,215,367</b>		

Revenue	(11,337,858)	(18,446,577)	(29,784,435)
<b>Net Debt</b>	<b>14,284,069</b>	<b>27,516,058</b>	<b>41,800,127</b>

Fiscal Year	Parking/Transportation Fund				Debt Service Fund				Total Governmental Funds			
	Principal	Interest			Principal	Interest			Principal	Interest		
<u>FY 18</u>	1		0%	0%	135,000	54,250	0%	0%	8,725,540	2,678,062	12%	12%
<u>FY 19</u>	2		0%	0%	135,000	50,200	0%	1%	8,257,905	2,362,619	12%	24%
<u>FY 20</u>	3		0%	0%	140,000	44,800	0%	1%	7,717,617	2,065,304	11%	35%
<u>FY 21</u>	4		0%	0%	150,000	39,200	0%	1%	7,445,000	1,743,546	10%	45%
<u>FY 22</u>	5		0%	0%	155,000	33,200	0%	2%	7,315,000	1,446,396	10%	55%
<u>FY 23</u>	6		0%	0%	160,000	27,000	0%	2%	6,655,000	1,168,046	9%	64%
<u>FY 24</u>	7		0%	0%	165,000	20,600	0%	2%	4,730,000	950,396	7%	71%
<u>FY 25</u>	8		0%	0%	170,000	14,000	0%	3%	4,160,000	770,396	6%	77%
<u>FY 26</u>	9		0%	0%	180,000	7,200	0%	3%	3,745,000	611,821	5%	82%
<u>FY 27</u>	10								2,585,000	474,640	4%	86%
<u>FY 28</u>	11								2,580,000	391,999	4%	89%
<u>FY 29</u>	12								2,358,500	306,403	3%	93%
<u>FY 30</u>	13								2,290,000	222,688	3%	96%
<u>FY 31</u>	14								1,540,000	138,900	2%	98%
<u>FY 32</u>	15								1,540,000	79,800	2%	100%
<u>FY 33</u>	16								415,000	43,200	1%	101%
<u>FY 34</u>	17								415,000	29,100	1%	101%
<u>FY 35</u>	18								250,000	15,000	0%	102%
<u>FY 36</u>	19								250,000	7,500	0%	102%
<b>Totals</b>		<b>-</b>	<b>-</b>		<b>1,390,000</b>	<b>290,450</b>			<b>72,974,562</b>	<b>15,505,817</b>		

Revenue	(1,390,000)	(290,450)	(1,390,000)
<b>Net Debt</b>	<b>0</b>	<b>0</b>	<b>71,584,562</b>

Fiscal Year	Water Fund				Sewer Fund				Total City of Portsmouth				
		Principal	Interest		Principal	Interest			Principal	Interest			
<b>FY 18</b>	1	2,142,528	991,287	8%	8%	3,845,593	1,476,497	8%	8%	<b>14,713,661</b>	<b>5,145,846</b>	10%	10%
<b>FY 19</b>	2	2,137,528	902,049	8%	16%	3,840,593	1,364,153	8%	16%	<b>14,236,026</b>	<b>4,628,821</b>	10%	20%
<b>FY 20</b>	3	2,092,528	816,262	8%	23%	3,840,593	1,268,958	8%	25%	<b>13,650,737</b>	<b>4,150,524</b>	9%	29%
<b>FY 21</b>	4	2,092,528	743,373	8%	31%	3,519,142	1,151,264	7%	32%	<b>13,056,670</b>	<b>3,638,184</b>	9%	38%
<b>FY 22</b>	5	2,092,528	683,236	8%	38%	3,519,142	1,037,099	7%	40%	<b>12,926,670</b>	<b>3,166,731</b>	9%	46%
<b>FY 23</b>	6	2,063,128	602,396	7%	46%	3,122,531	923,433	7%	46%	<b>11,840,659</b>	<b>2,693,876</b>	8%	55%
<b>FY 24</b>	7	1,765,000	522,700	6%	52%	3,122,531	820,662	7%	53%	<b>9,617,531</b>	<b>2,293,758</b>	7%	61%
<b>FY 25</b>	8	1,760,000	454,062	6%	59%	3,122,531	721,391	7%	60%	<b>9,042,531</b>	<b>1,945,849</b>	6%	67%
<b>FY 26</b>	9	1,760,000	386,224	6%	65%	2,677,626	620,619	6%	65%	<b>8,182,626</b>	<b>1,618,664</b>	6%	73%
<b>FY 27</b>	10	1,760,000	319,586	6%	71%	2,577,626	526,980	5%	71%	<b>6,922,626</b>	<b>1,321,206</b>	5%	77%
<b>FY 28</b>	11	1,760,000	261,148	6%	78%	2,577,626	453,059	5%	76%	<b>6,917,626</b>	<b>1,106,207</b>	5%	82%
<b>FY 29</b>	12	1,656,500	200,960	6%	84%	2,267,791	372,201	5%	81%	<b>6,282,791</b>	<b>879,564</b>	4%	86%
<b>FY 30</b>	13	870,000	144,400	3%	87%	2,267,791	298,624	5%	86%	<b>5,427,791</b>	<b>665,711</b>	4%	90%
<b>FY 31</b>	14	870,000	119,000	3%	90%	2,164,305	224,218	5%	90%	<b>4,574,305</b>	<b>482,118</b>	3%	93%
<b>FY 32</b>	15	870,000	91,250	3%	93%	1,899,794	150,550	4%	95%	<b>4,309,794</b>	<b>321,600</b>	3%	96%
<b>FY 33</b>	16	620,000	63,500	2%	95%	1,349,794	92,806	3%	97%	<b>2,384,794</b>	<b>199,506</b>	2%	98%
<b>FY 34</b>	17	620,000	42,250	2%	98%	875,000	44,000	2%	99%	<b>1,910,000</b>	<b>115,350</b>	1%	99%
<b>FY 35</b>	18	445,000	20,700	2%	99%	200,000	10,750	0%	100%	<b>895,000</b>	<b>46,450</b>	1%	100%
<b>FY 36</b>	19	205,000	6,150	1%	100%	150,000	4,500	0%	100%	<b>605,000</b>	<b>18,150</b>	0%	100%
<b>Totals</b>		<b>27,582,268</b>	<b>7,370,533</b>			<b>46,940,011</b>	<b>11,561,764</b>			<b>147,496,841</b>	<b>34,438,115</b>		

Revenue (2,217,793) (33,392,228) (290,450.00)

**Net Debt 27,582,268 44,722,218 114,104,612 34,147,665**

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# I. VEHICLES AND EQUIPMENT



## **VE-FD-01: AMBULANCE REPLACEMENT PROGRAM**

Department	Fire Department
Project Location	Station 2
Project Type	Replacement or Purchase of Vehicle
Commence FY	On-Going
Priority	O (ongoing or Programmatic)
Impact on Operating Budget	Negligible

<b>Evaluation Criteria</b>	<b>Satisfy</b>
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This program is a regular replacement schedule for the City’s ambulances. The 2013 Ambulance is scheduled for replacement in FY20. Funds include complete set-up including radio, lettering, striping, and equipment. This is the second half of total funds required for this project.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Rolling Stock	100%	\$85,000	\$85,000	\$85,000	\$80,000	\$80,000	\$80,000	\$495,000	\$600,000	\$1,095,000
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$85,000	\$85,000	\$85,000	\$80,000	\$80,000	\$80,000	\$495,000	\$600,000	\$1,095,000

## VE-FD-02: VEHICLE REPLACEMENT – FIRE BOAT 1

Department	Fire Department
Project Location	Waterfront Dock
Project Type	Replacement or Purchase of a Vehicle
Commence FY	2018
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This project would fund the replacement of the department’s 2006 thirty-three foot (33’) Fire Boat with an appropriately sized vessel that is designed for water access and rescue.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%	\$180,000						\$180,000	\$0	\$180,000
Rolling Stock	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$180,000	\$0	\$0	\$0	\$0	\$0	\$180,000	\$0	\$180,000



**VE-FD-03: VEHICLE REPLACEMENT – FIRE ENGINE 6**

Department	Fire Department
Project Location	Station 1
Project Type	Replacement or Purchase of a Vehicle
Commence FY	2019
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This project continues the CIP Rolling Stock Replacement Program for large apparatus. This allocation will purchase a new custom rescue pumper with a 4-person cab with medical compartments, five-hundred (500) gallon water tank, 1,500 GPM pump, and related equipment to replace this 1999 Emergency One pumper. Funds include complete set-up including radio, lettering and striping as well as equipment.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%		\$600,000					\$600,000	\$0	\$600,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$600,000	\$0	\$0	\$0	\$0	\$600,000	\$0	\$600,000

## VE-FD-04: VEHICLE REPAIR - 2006 FIRE ENGINE REPAIR

Department	Fire Department
Project Location	Station 3
Project Type	Replacement or Purchase of a Vehicle
Commence FY	2019
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Reduce



Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	

**Description:** This project is designed to replace the frame rails on the 2006 E-One Pumper. The current rails are experiencing significant wear and corrosion. Replacement should ensure scheduled replacement of pumper in FY25 versus FY21.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%		\$60,000					\$60,000	\$0	\$60,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$60,000	\$0	\$0	\$0	\$0	\$60,000	\$0	\$60,000

## VE-FD-05: VEHICLE REPLACEMENT – LADDER 2

Department	Fire Department
Project Location	Station 2
Project Type	Replacement or Purchase of a Vehicle
Commence FY	2021
Priority	B (needed within 4 to 6 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This project continues the CIP Rolling Stock Replacement Program for large apparatus. This allocation will purchase a new custom ladder truck with a 4-person cab with medical compartments, a minimum 75’ aerial ladder, five-hundred (500) gallon water tank, 2,000 GPM pump and related equipment to replace this 2005 Emergency One Aerial Truck. Funds include complete set-up, including radio, lettering, striping and equipment.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%				\$800,000			\$800,000	\$0	\$800,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$0	\$0	\$800,000	\$0	\$0	\$800,000	\$0	\$800,000

## VE-FD-06: THERMAL IMAGING CAMERA REPLACEMENTS

Department	Fire Department
Project Location	All FD Apparatus
Project Type	Equipment (Non-Vehicular)
Commence FY	2018
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Reduce



Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	

**Description:** The department utilizes thermal imaging cameras to interpret heat and fire conditions in smoke filled environments, as well as to effectively search for victims or hidden fires. Thermal imaging cameras are critical tools carried on all primary fire units. This project would replace ageing equipment with NFPA compliant, contemporary technology cameras over 2 years.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%	\$22,000	\$24,000					\$46,000	\$0	\$46,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$22,000	\$24,000	\$0	\$0	\$0	\$0	\$46,000	\$0	\$46,000

## VE-FD-07: PERSONAL PROTECTIVE EQUIPMENT REPLACEMENT

Department	Fire Department
Project Location	City-wide
Project Type	Equipment (non-vehicular)
Commence FY	2018
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Reduce

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This project will fund the required replacement of all members' (60) structural firefighter gear, aka personal protective equipment. NFPA standard 1851 requires the structural firefighting ensembles be retired no more than 10 years from the date manufactured. Our last capital purchase was in FY10. The purchase would occur over 3 years.

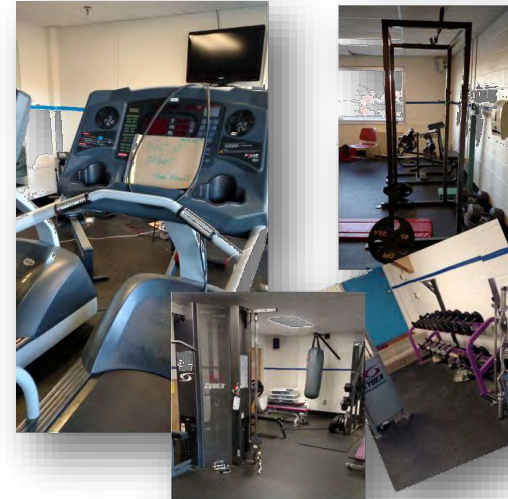
		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%	\$60,000	\$60,000	\$60,000				\$180,000	\$0	\$180,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$60,000	\$60,000	\$60,000	\$0	\$0	\$0	\$180,000	\$0	\$180,000



**VE-PD-08: POLICE GYM EQUIPMENT REPLACEMENT**

Department	Police Department
Project Location	Police Department
Project Type	Equipment (non-vehicular)
Commence FY	2018
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	Y
Eligible for Matching Funds with Limited Availability	



**Description:** Police Standards and Training has set physical fitness and medical requirements that must be maintained as a condition of employment for police officers hired after 1/1/2001. Due to the 24/7/365 aspect of the job, workouts prior to or after a shift are optimal. For over a decade, the department gym has been outfitted by donated equipment from local for-profit public gyms as they rotate their equipment out for replacement. This equipment is often in need of repair and much of the equipment is outdated and retro-fitted for use in the space. This can be problematic. Note: Municipal employees at city hall also utilize the gym to maintain their physical fitness.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%	\$20,000	\$20,000	\$20,000				\$60,000	\$0	\$60,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$20,000	\$20,000	\$20,000	\$0	\$0	\$0	\$60,000	\$0	\$60,000

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# II. BUILDINGS AND INFRASTRUCTURE





## BI-PD-01: POLICE DEPARTMENT LAND ACQUISITION

Department	Police Department
Project Location	To Be Determined
Project Type	Acquisition of Land
Commence FY	To Be Determined
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible



Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Police Dept. Facility Study</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Serve Growth	Y
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	Y
Eligible for Matching Funds with Limited Availability	

**Description:** The results of the space needs study conducted in FY14 determined the current facility no longer meets the needs of the Police Department. This project would fund the purchase of land for a new facility, if a current City-owned site is not available for this purpose.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%	TBD						\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

## BI-PD-02: NEW POLICE DEPARTMENT FACILITY

Department	Police Department
Project Location	To Be Determined
Project Type	New Construction
Commence FY	2020
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	High

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Police Dept. Facility Study</a>	Y
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	Y
Eligible for Matching Funds with Limited Availability	

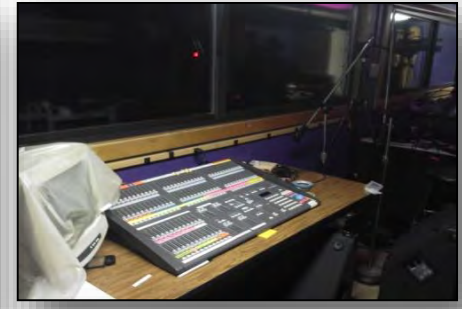
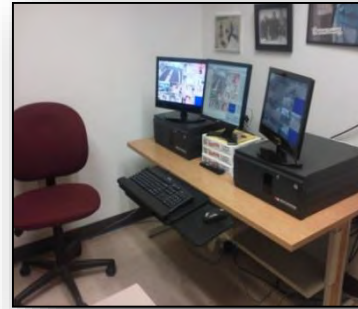


**Description:** The results of the space needs study conducted in FY14 determined the current facility no longer meets the needs of the Police Department. This project would fund the design and construction of a new facility after a site and conceptual design are complete.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%			\$11,000,000				\$11,000,000	\$0	\$11,000,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$0	\$11,000,000	\$0	\$0	\$0	\$11,000,000	\$0	\$11,000,000

**BI-SC-03: SCHOOL FACILITIES CAPITAL IMPROVEMENTS**

Department	School Department
Project Location	District Wide
Project Type	Rehabilitation of Existing Facilities
Commence FY	On-Going
Priority	O (Ongoing or Programmatic)
Impact on Operating Budget	Negligible



Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	

**Description:** The Portsmouth School Department has maintenance responsibilities for seven (7) buildings and the grounds that accompany them. The tri-annual appropriation is used for building and grounds improvement projects such as roof, windows, and infrastructure replacement and improvements. The next appropriation will focus on the athletic complex at Portsmouth High School.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%		\$500,000			\$500,000		\$1,000,000	\$1,000,000	\$2,000,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$500,000	\$0	\$0	\$500,000	\$0	\$1,000,000	\$1,000,000	\$2,000,000

## BI-SC-03: SCHOOL FACILITIES CAPITAL IMPROVEMENTS

<u>School</u>	<u>Project</u>	<u>Estimated Cost</u>
High School	Auditorium Lighting and Sound Upgrade/ Replacement	\$100,000
High School	Energy Conservation Lighting Project	\$100,000
High School	Athletic Complex - Upgrade/ Replacement of Track, scoreboards, fencing and irrigation	\$300,000
	<b><u>Total High School</u></b>	<b><u>\$500,000</u></b>
<b>TOTAL IMPROVEMENTS</b>		<b>\$500,000</b>

**BI-SC-04: ELEMENTARY SCHOOLS UPGRADE**

Department	School Department
Project Location	Elementary Schools
Project Type	Rehabilitation of an Existing Facilities
Commence FY	2016
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Minimal

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	Y
Eligible for Matching Funds with Limited Availability	



**Description:** Little Harbour, Dondero and New Franklin Elementary Schools are all over thirty (30) years old and comprise 130,000 square feet of educational space. Per the State Fire Marshal's Office, Little Harbour Elementary School must complete the automatic sprinkler system by 2017. This appropriation will be used to complete the upgrades to Little Harbour School and to start upgrade projects for Dondero Elementary School.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%	\$5,000,000	\$5,000,000					\$10,000,000	\$10,000,000	\$20,000,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$5,000,000	\$5,000,000	\$0	\$0	\$0	\$0	\$10,000,000	\$10,000,000	\$20,000,000

**BI-SC-05: HIGH SCHOOL ATHLETIC FIELD LIGHTING**

Department	School Department
Project Location	Portsmouth High School
Project Type	Rehabilitation of an Existing Facilities
Commence FY	2018
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Reduce

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** The Portsmouth School Department has maintenance responsibilities for more than 10 acres of athletic fields on the Portsmouth High School campus, used by both the School and Recreation Departments. The current lighting was installed in 1989 and is now beyond its expected life cycle, resulting in numerous component failures. Several attempts at procuring equipment and installation of proven current lighting technology bid as part of a package of similar projects for the Department of Public Works resulted in a significant funding shortfall.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%	\$550,000						\$550,000	\$750,000	\$1,300,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$550,000	\$0	\$0	\$0	\$0	\$0	\$550,000	\$750,000	\$1,300,000



**BI-FI-06: HISTORIC DOCUMENT RESTORATION, PRESERVATION AND SCANNING**

Department	Finance Department/ City Clerk
Project Location	City Hall
Project Type	New Construction/ Refurbishment
Commence FY	2018
Priority	A (Needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Goodman Report on the Survey of the Municipally Owned Historic Artifacts and Documents in Portsmouth, NH	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	Y
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	Y
Eligible for Matching Funds with Limited Availability	



**Description:** The City is required to keep certain documents on a permanent basis (i.e. tax warrants, assessing documents, city council records, etc.). The City also keeps many documents that are of Historic significance. These documents are aging and many are showing signs of deterioration. The requested funds will be utilized to preserve these documents as well as scan them for preservation purposes to either CD (pdf) and/ or microfilm.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000	\$0	\$300,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000	\$0	\$300,000

**BI-FI-07: HISTORIC DOCUMENT STORAGE FACILITY**

Department	Finance Department/ City Clerk
Project Location	City Hall
Project Type	New Construction/ Refurbishment
Commence FY	2018
Priority	A (Needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Goodman Report on the Survey of the Municipally Owned Historic Artifacts and Documents in Portsmouth, NH	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	Y
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	Y
Eligible for Matching Funds with Limited Availability	



**Description:** A New climate-controlled, humidity controlled, fire resistant facility is needed to protect the City's historic and legally required documents (tax, assessing, purchasing, etc.) The City Clerk's vault is at capacity and the City needs to have a larger storage location in place to safe keep these historic documents. The City intends to utilize the FY18 funds to install a Halon Fire System into the future Archive Facility, environmental controls and monitors to aid in document preservation as well as shelving units that will help protect the documents from damage.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000	\$50,000	\$350,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000	\$50,000	\$350,000



**BI-TT-08: PRESCOTT PARK FACILITIES CAPITAL IMPROVEMENTS**

Department	Trustees of Trust Funds
Project Location	Prescott Park
Project Type	Rehabilitation of an Existing Facilities
Commence FY	On-Going
Priority	O (Ongoing or Programmatic)
Impact on Operating Budget	Negligible



Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	

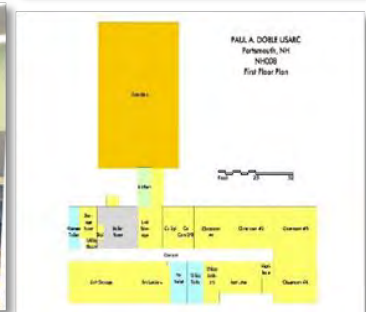
**Description:** In addition to the abundant gardens and green spaces in Prescott Park there are a number of historic buildings, access ways, foot paths, plazas, fountains, park furnishings and marine infrastructure that need significant rehabilitation or upgrades. A Master Plan for the entire Park and Four Tree Island is being prepared for the City Council's consideration by a Blue Ribbon Committee. Investments will be needed in key systems including buildings, circulation, irrigation, drainage, electrical and fencing systems. Other anticipated improvements will address strategies for improving coastal resiliency. The report back will also address phasing of the recommended improvements as well as funding strategies both of which will inform future Capital Improvement Plans.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$480,000	\$375,650	\$855,650
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$480,000	\$375,650	\$855,650

## BI-CD-09: REUSE OF PAUL A. DOBLE ARMY RESERVE CENTER

Department	Community Development Department
Project Location	125 Cottage Street
Project Type	Construction or Expansion of a Public Facility
Commence FY	2017
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Minimal

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Final Report – Blue Ribbon Senior Committee</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



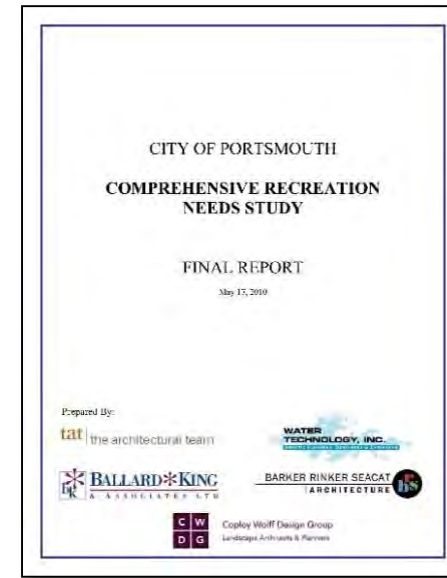
**Description:** The City is pursuing acquisition of the Paul A. Doble Army Reserve Center for a senior/ community center. Funding was set aside in earlier years to support the reuse of the facility. These funds will be utilized for design and construction. Funding includes \$750,000 from the Daniel Street Trust.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	10%							\$0	\$100,000	\$100,000
Fed/ State	15%	\$150,000						\$150,000	\$0	\$150,000
Bond/ Lease	0%							\$0	\$0	\$0
Daniel St Trust	75%	\$750,000						\$750,000	\$0	\$750,000
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$900,000	\$0	\$0	\$0	\$0	\$0	\$900,000	\$100,000	\$1,000,000

**BI-CD-10: CONSOLIDATED INDOOR RECREATION FACILITY**

Department	Recreation Department/ Community Development Department
Project Location	To Be Determined
Project Type	Acquisition of Land; New Construction, Expansion or Rehabilitation
Commence FY	2019
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Moderate

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Comprehensive Recreation Needs Study 2010</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



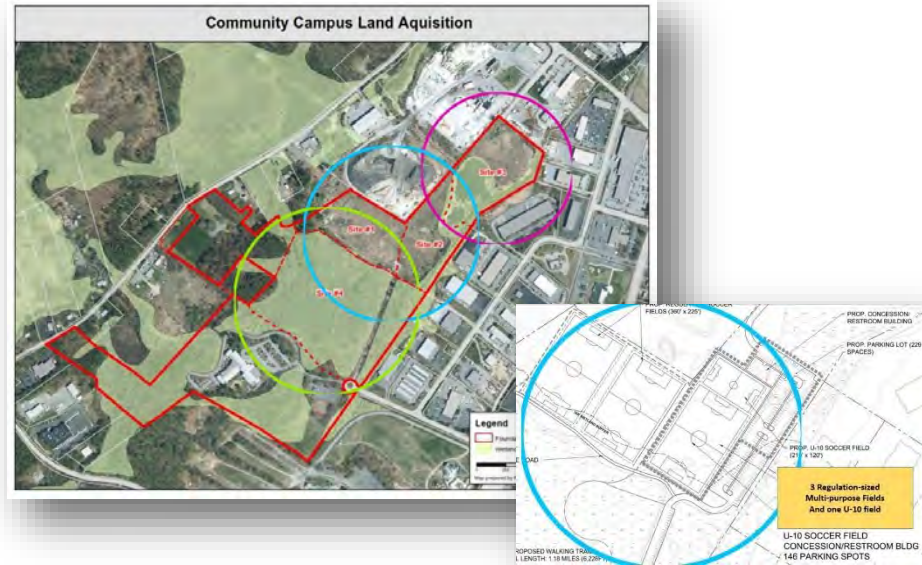
**Description:** The 2010 Comprehensive Recreation Needs Study found the City's four indoor facilities are programmatically outdated, in need of significant capital improvements and require individuals to travel from one facility to another to participate in all types of indoor recreational programming. The building of a Youth Recreation Center at the new Middle School represented a key near term step; ultimately a new consolidated multi-generational recreational facility is recommended.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	2%		\$50,000					\$50,000	\$0	\$50,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	98%					\$2,000,000		\$2,000,000	\$0	\$2,000,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$50,000	\$0	\$0	\$2,000,000	\$0	\$2,050,000	\$0	\$2,050,000

## BI-CD-11: OUTDOOR RECREATION FIELDS – CITY-OWNED LAND CAMPUS DRIVE

Department	Recreation Department/ Community Development Department
Project Location	100 Campus Drive/ 680 Peverly Hill Road
Project Type	Construction or expansion of a new public facility, street or utility
Commence FY	2019
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Minimal

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Recreation Needs Study (2010)</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** The City is nearing the completion of a planned purchase of approximately 50 acres of land which lies on Campus Drive and behind the Public works facility at 680 Peverly Hill Road. At least three uses were identified at the time the acquisition was initiated including the expansion of the Recycling Center at Public Works, protection of valuable conservation land, and a multi-field complex to help meet the City's need for outdoor recreation fields. This project identifies funding in future years to realize the vision for the Recreation fields.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	8%		\$300,000					\$300,000	\$0	\$300,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	77%			\$3,000,000				\$3,000,000	\$0	\$3,000,000
Peirce Trust	15%		\$600,000					\$600,000	\$0	\$600,000
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$900,000	\$0	\$3,000,000	\$0	\$0	\$3,900,000	\$0	\$3,900,000



## BI-CD-12: EXISTING RECREATION FIELDS IMPROVEMENTS

Department	Community Development Department
Project Location	Various Locations
Project Type	Rehabilitation of a Facility
Commence FY	2019
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Minimal

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Recreation Needs Study (2010)</a> ; <a href="#">2015 Recreation Field Report</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** Along with acquiring new land for recreation fields, the 2010 Recreation Needs Study, as well as the 2015 Recreation Field Report, highlighted opportunities for resurfacing or reconstructing existing fields in order to improve service and add playability. Opportunities were highlighted at the High School Athletic Complex, Clough Field and elementary schools. Needed investments to add or improve playability include, where appropriate, installation of artificial turf or site work improvements to address drainage issues and the quality of the natural turf thereby converting “practice” fields to competition fields.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	7%		\$75,000					\$75,000	\$0	\$75,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	93%			\$1,000,000				\$1,000,000	\$0	\$1,000,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$75,000	\$1,000,000	\$0	\$0	\$0	\$1,075,000	\$0	\$1,075,000

**BI-CD-13: PARK AND PLAYGROUND IMPROVEMENTS**

Department	Community Development Department
Project Location	Various
Project Type	Rehabilitation of an Existing Facility
Commence FY	On-Going
Priority	O (Ongoing or Programmatic)
Impact on Operating Budget	Minimal

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This project provides funding for continued investment in the City's parks and playgrounds to ensure a high level of service into the future. Funding will be used for playground equipment replacements, development of new play areas, upgrading furnishing and other amenities as needed. In the coming years, specific upgrades are envisioned for Rock Street Park and replacement of wooden equipment in multiple City playgrounds.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$450,000	\$475,000	\$925,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$450,000	\$475,000	\$925,000

## BI-CD-14: IMPLEMENTATION OF PEIRCE ISLAND MASTER PLAN

Department	Community Development Department
Project Location	Peirce Island
Project Type	Rehabilitation of Existing Facility
Commence FY	On-Going
Priority	O (Ongoing or Programmatic)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Peirce Island Master Plan 1999</a>	Y
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** A Master Plan for Peirce Island was finalized in December 1999 and it detailed a range of capital improvement projects that support recreational activities on the twenty-seven (27)-acre City-Owned island. To date, many projects have been carried out including improvements to the outdoor pool area, trail construction, installation of picnic tables and interpretive signs, reconstruction of the boat ramp, signage upgrades and shorefront landscaping. This CIP will ensure continued implementation of improvements that are identified in the plan.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$150,000	\$175,000	\$325,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$150,000	\$175,000	\$325,000

**BI-CD-15: IMPLEMENTATION OF SAGAMORE CREEK PARCEL MASTER PLAN**

Department	Community Development Department
Project Location	Sagamore Creek at Jones Avenue
Project Type	New Construction or Expansion of Existing Facility, Street or Utility
Commence FY	2016
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Public Undeveloped Lands Assessment 2010</a> ; <a href="#">Blue Ribbon Committee on Sagamore Creek Land (2015)</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This project provides funding for the implementation of the 2015 Sagamore Creek Master Plan adopted by the City Council. The Plan recommends various improvements to promote the use of the area by the public for recreation purposes in a manner that balances recreation uses with property's high conservation values. Access, parking, signage and trail improvements are recommended in the plan.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	70%	\$25,000		\$25,000		\$25,000		\$75,000	\$100,000	\$175,000
Fed/ State	20%							\$0	\$50,000	\$50,000
Bond/ Lease	0%							\$0	\$0	\$0
Conservation Fund	10%							\$0	\$25,000	\$25,000
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$25,000	\$0	\$25,000	\$0	\$25,000	\$0	\$75,000	\$175,000	\$250,000



**BI-CD-16: MCINTYRE FEDERAL OFFICE BUILDING-PLANNING AND IMPLEMENTATION**

Department	Community Development Department
Project Location	Federal Building on Daniel Street
Project Type	Construction or Expansion of a Public Facility, Street or Utility
Commence FY	2017
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	Y
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	

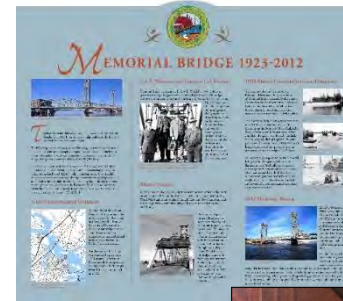


**Description:** City staff continues to work closely with the City Council and officials in relevant federal departments on the future of this major downtown city parcel. This element sheet is intended to identify funding that could be used by the City to move forward with the development and implementation of a reuse plan or otherwise guide the redevelopment of the site.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%	\$25,000						\$25,000	\$100,000	\$125,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$25,000	\$0	\$0	\$0	\$0	\$0	\$25,000	\$100,000	\$125,000

## BI-CD-17: HISTORIC MARKERS REPLACEMENT PROJECT

Department	Community Development
Project Location	Various
Project Type	New Construction or Expansion
Commence FY	On-Going
Priority	O (Ongoing or Programmatic)
Impact on Operating Budget	Negligible



Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Master Plan 2005</a>	Y
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	Y
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	Y

**Description:** This project funds the design, development, fabrication and installation of new historic markers to replace over 40 original markers installed in the 1970's. To date, 22 markers have been recreated and five more are currently in design. Those new markers include "Haymarket Square," "Thomas P. Moses, Painter," and Portsmouth Athenaeum." These funds may also be used to work with partners to make the content available through electronic means including web and other applications.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	70%		\$5,000		\$5,000		\$5,000	\$15,000	\$20,000	\$35,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	30%		\$5,000		\$5,000		\$5,000	\$15,000	\$5,000	\$15,000
Totals		\$0	\$10,000	\$0	\$10,000	\$0	\$10,000	\$30,000	\$25,000	\$50,000

## BI-CC-18: LAND ACQUISITION

Department	Planning Department
Project Location	City-Wide
Project Type	Acquisition of Land
Commence FY	On-Going
Priority	O (Ongoing or Programmatic)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Master Plan 2005</a>	Y
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	Y



**Description:** This project funds the purchase of land that has been determined should be municipally owned. For the most part, ownership is usually sought to secure environmentally sensitive areas to purchase the development rights to a particular parcel, or for some municipal use. Funds can be used as match for other grants and may be used in conjunction with the Conservation Fund.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%		\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	\$100,000	\$225,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	\$100,000	\$225,000

**BI-PL-19: OPEN SPACE PLAN**

Department	Planning Department
Project Location	City-wide
Project Type	Design work or planning study
Commence FY	2018
Priority	A (need within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Master Plan</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This Plan would support the Master Plan update goal of managing and acquiring public open spaces for passive recreation and environmental preservation. The purposes of the plan would be to build on the comprehensive Public Urban Lands Assessment and identify and prioritize additional undeveloped land for passive recreation and wildlife preservation, provide land stewardship guidance for the City's conservation lands, and work to identify opportunities to expand and improve the City's trail network.

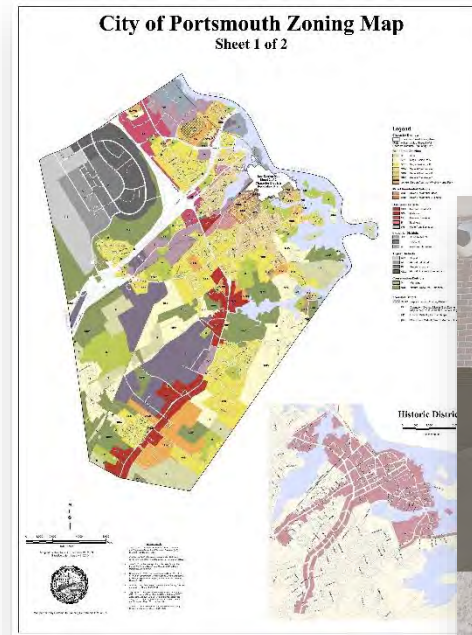
		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%	\$50,000						\$50,000	\$0	\$50,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000	\$0	\$50,000



**BI-PL-20: LAND USE REGULATION REVISIONS**

Department	Planning Department
Project Location	City-wide
Project Type	Design work or planning study
Commence FY	2018
Priority	A (need within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Master Plan</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This project will include revisions and related updates to the City's land use regulations including the Zoning Ordinance, Site Plan Review and Subdivision Regulations.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%	\$50,000						\$50,000	\$0	\$50,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000	\$0	\$50,000

**BI-PW-21: EMERGENCY RESPONSE SHELTER**

Department	Community Development Department
Project Location	Unknown
Project Type	Construction or Expansion of a Public Facility, Street or Utility
Commence FY	2019
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Minimal

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Local Emergency Operations Plan; Hazard Mitigation Plan	Y
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	Y
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** The City's Local Emergency Plan calls for emergency shelters as required by law. Funding is identified here for upgrades to facilities and or purchase of equipment to make ready adequate shelter facilities.

The City's high school is currently equipped as an emergency shelter; this project envisions outfitting another City facility that would not only add shelter capacity, but be available for prolonged use without disruption to a school facility. Examples of needed improvements include accessibility needs, bathroom capacity, emergency power capacity, fire safety upgrades for overnight accommodations, kitchen upgrades, and related improvements.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%		\$200,000					\$200,000	\$0	\$200,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0	\$200,000

**BI-PW-22: CITY-WIDE TREE REPLACEMENT PROGRAM**

Department	Public Works
Project Location	City-Wide
Project Type	Upgrade Existing Facilities
Commence FY	On-Going
Priority	O (ongoing or programmatic)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This program allows for the reforestation of streets where the trees have succumbed to the urban condition. Selection of urban-tolerant species will be required. This program is run by the Public Works Department in conjunction with the Trees and Public Greenery Committee.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$120,000	\$120,000	\$240,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$120,000	\$120,000	\$240,000

**BI-PW-23: RECYCLING & SOLID WASTE TOTES**

Department	Public Works
Project Location	All Locations Serviced by DPW Curbside Collection
Project Type	Other (Explained Below)
Commence FY	2019
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Reduce

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	Y
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This project will provide properties serviced by DPW's curbside collection with discounted recycling and solid waste totes. This project will provide aesthetically uniform totes and improve operational efficiency of our curbside collection program.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%		\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	\$0	\$500,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	\$0	\$500,000



## BI-PW-24: RECYCLING & SOLID WASTE TRANSFER STATION

Department	Public Works
Project Location	To Be Determined
Project Type	Construction or Expansion of A Public Facility, Street or Utility
Commence FY	2019
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Serve Growth	Y
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This project will include building a transfer station and infrastructure needed to consolidate curbside collection trucks into larger containers for transportation to reduce frequency of trips and transportation fees. This project will provide adaptability to protect against future price increases due to changing commodity markets of recyclables and solid waste.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	5%		\$150,000					\$150,000	\$0	\$150,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	95%			\$2,750,000				\$2,750,000	\$0	\$2,750,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$150,000	\$2,750,000	\$0	\$0	\$0	\$2,900,000	\$0	\$2,900,000

**BI-PW-25: OUTDOOR POOL UPGRADE**

Department	Public Works
Project Location	Peirce Island
Project Type	Rehabilitation of a Facility
Commence FY	2019
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This project includes replacement of the pool's bathhouse. The original bathhouse was constructed in the 1950's and has not been renovated. The existing bathhouse is in need of significant upgrades to meet current needs.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	9%		\$100,000					\$100,000	\$0	\$100,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	91%			\$500,000				\$500,000	\$500,000	\$1,000,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$100,000	\$500,000	\$0	\$0	\$0	\$600,000	\$500,000	\$1,100,000

**BI-PW-26: BLEACHERS /GRANDSTANDS**

Department	Public Works
Project Location	City-Wide
Project Type	Rehabilitation of Existing Facility
Commence FY	2023
Priority	B (needed within 4 to 6 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	Y
Eligible for Matching Funds with Limited Availability	



**Description:** In compliance with NFPA 102-12.7.10 – City staff has inspected the City’s bleachers and grandstands. Initial reports find some of the structures are obsolete and contain deficiencies. This project will address necessary upgrades to bring the bleachers and grandstands into compliance (e.g. Leary Field).

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	9%							\$0	\$100,000	\$100,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	91%						\$1,000,000	\$1,000,000	\$0	\$1,000,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$100,000	\$1,100,000



**BI-PW-27: CITY FIELDS LIGHTING**

Department	Public Works Department
Project Location	
Project Type	Rehabilitation of an Existing Facilities
Commence FY	2018
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Reduce

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** The sports lighting at Leary Field and at the High School athletic fields complex are thirty years old and at the end of their useful life. The City is unable to purchase replacement parts for these systems. The Leary field includes baseball, soccer, tennis and a practice field.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%	\$600,000						\$600,000	\$0	\$600,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$600,000	\$0	\$0	\$0	\$0	\$0	\$600,000	\$0	\$600,000

**BI-PW/FED-28: SOUND BARRIERS IN RESIDENTIAL AREAS ALONG I-95**

Department	Public Works
Project Location	Interstate 95 Corridor
Project Type	Construction or expansion of a new public facility, street or utility
Commence FY	2018
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** The purpose of this project is to mitigate sound pollution in neighborhoods along Interstate 95, including the Pannaway Manor neighborhood. The City is pursuing Federal funding requiring a local match in cooperation with the State of New Hampshire.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	14%	\$50,000						\$50,000	\$50,000	\$100,000
Fed/ State	86%	\$600,000						\$600,000	\$0	\$600,000
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$650,000	\$0	\$0	\$0	\$0	\$0	\$650,000	\$50,000	\$700,000

**BI-PW-29: HISTORIC CEMETERY IMPROVEMENTS**

Department	Public Works
Project Location	City Wide
Project Type	Rehabilitation of a facility
Commence FY	On-Going
Priority	O (Ongoing and Programmatic)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – <a href="#">Cemetery Existing Conditions Assessment and Restoration Plan (2013)</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** The City owns six (6) historic burial grounds and cemeteries at various locations throughout the City and is responsible for the continual upkeep and maintenance of the grounds, headstones, hill, ledger, chest tombs, cemetery walls and other related structures. The City carried out an assessment of these valuable historic resources and created a prioritized list of restoration and repair projects which will be undertaken over a multi-year period.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	85%	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$240,000	\$160,000	\$400,000
Fed/ State	15%	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$60,000	\$10,000	\$70,000
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
Donation	0%							\$0	\$2,000	\$2,000
	Totals	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000	\$172,000	\$472,000

**BI-PW-30: CITY-WIDE RETAINING WALLS REPAIRS AND IMPROVEMENTS**

Department	Public Works
Project Location	City Wide
Project Type	Rehabilitation of a Facility
Commence FY	On-Going
Priority	O (ongoing or programmatic)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** The City owns over thirty (30) retaining walls. This project will consist of repairing retaining walls which are currently failing and at risk of damaging private properties adjacent to them. These walls include areas around the Municipal Complex.

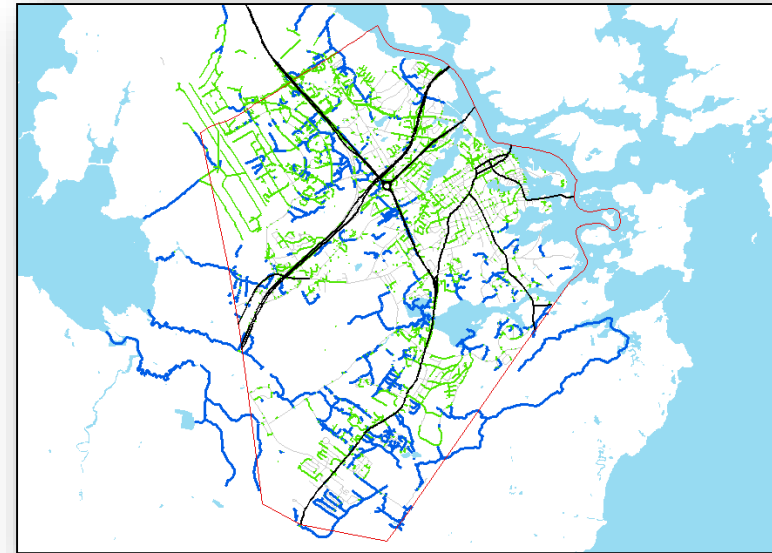
		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%		\$50,000		\$50,000		\$50,000	\$150,000	\$175,000	\$325,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Bond Prem Supp.	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$50,000	\$0	\$50,000	\$0	\$50,000	\$150,000	\$175,000	\$325,000



## BI-PW-31: CITY-WIDE STORM DRAINAGE IMPROVEMENTS

Department	Public Works
Project Location	City-Wide
Project Type	Construction or expansion of a new public facility, street or utility
Commence FY	On-Going
Priority	O (ongoing or programmatic)
Impact on Operating Budget	High

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Stormwater Master Plan</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	Y
Eligible for Matching Funds with Limited Availability	



**Description:** The City owns and maintains approximately sixty-one (61) miles of storm-drains, four-thousand seven-hundred (4,700) catch basins and four-hundred fifty (450) drain outfalls. Many of these structures are failing and are in need of upgrades. These projects include drainage improvements along Maplewood Avenue, Junkins Avenue, Corporate Drive, and Union Street. In addition to pipe work, the existing storm water ponds and swales need to be dredged of deposited materials to regain capacity to handle future storm events.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,200,000	\$450,000	\$1,650,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,200,000	\$450,000	\$1,650,000

**BI-PW-32: CITY-WIDE FACILITIES CAPITAL IMPROVEMENTS**

Department	Public Works
Project Location	City-Wide
Project Type	Rehabilitation of a Facility
Commence FY	On-Going
Priority	O (ongoing or programmatic)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Facilities Needs Evaluations (in development)	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** The Public Works Department has the maintenance responsibilities for all municipal facilities. These facilities are wide ranging and serve multiple uses. Due to age and usage, many facilities are in need of updating in order to continue their availability to the general public and programs conducted within.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	1%							\$0	\$50,000	\$50,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	98%			\$1,000,000			\$1,000,000	\$2,000,000	\$2,000,000	\$4,000,000
Other	0%							\$0	\$0	\$0
Revenues	1%							\$0	\$30,000	\$30,000
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000	\$2,000,000	\$2,080,000	\$4,080,000

**BI-PW-33: HANOVER PARKING FACILITY – CAPITAL IMPROVEMENTS**

Department	Public Works – Parking and Transportation Division
Project Location	Hanover Street
Project Type	Rehabilitation of a facility
Commence FY	On-Going
Priority	O (ongoing or programmatic)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Structural Evaluation, Walker, 2015</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This project provides funding for maintenance needs at the Hanover Parking Garage. Funding is allocated on a scheduled basis to fund major renovation needs for the original structure. In FY15 a structural evaluation was completed which identified necessary upgrades to be able to continue to use the garage. Construction of these upgrades will be completed once the City's new parking garage is complete. In the interim, minor upgrades will be completed.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	100%	\$50,000	\$5,000,000	\$50,000	\$50,000	\$50,000	\$50,000	\$5,250,000	\$850,000	\$6,100,000
PPP	0%							\$0	\$0	\$0
	Totals	\$50,000	\$5,000,000	\$50,000	\$50,000	\$50,000	\$50,000	\$5,250,000	\$850,000	\$6,100,000

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# III. INFORMATION SYSTEMS



## IS-IT-01: INFORMATION TECHNOLOGY UPGRADES AND REPLACEMENTS

Department	Finance Department
Project Location	City-Wide
Project Type	Equipment (non vehicular)
Commence FY	Ongoing
Priority	O (ongoing or programmatic)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** The Information Technology Upgrades Replacements incorporates the General Government (City Hall, Public Works, Recreation, and Library), Police, Fire and School Departments technology needs. The replacement/ upgrade of computers, servers and other technology upgrades follow by location for FY18.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
GF (Non-Operating)	100%	\$631,158	\$638,058	\$675,958	\$675,258	\$719,758	\$581,558	\$3,921,748	\$1,779,400	\$5,701,148
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$631,158	\$638,058	\$675,958	\$675,258	\$719,758	\$581,558	\$3,921,748	\$1,779,400	\$5,701,148

# IS-IT-01: INFORMATION TECHNOLOGY UPGRADES AND REPLACEMENTS

## Computers/Notebooks

(Costs include installation)

Location	Inventory	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
City Hall	102				50	52	52
Public Works	67	37	30				
Library	95	45	17	45	17	45	17
Recreation	11			11			
Police	121	25	25	25	25	25	25
Fire	19	2	16	2	2	2	16
<b>Total Computers</b>	<b>415</b>	<b>109</b>	<b>88</b>	<b>83</b>	<b>94</b>	<b>124</b>	<b>110</b>

<u>Cost of Replacement</u>	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
City Hall				\$45,000	\$46,800	\$46,800
Public Works	\$33,300	\$27,000				
Library	\$40,500	\$15,300	\$40,500	\$15,300	\$40,500	\$15,300
Recreation			\$11,000			
Police	\$33,100	\$48,100	\$48,100	\$48,100	\$48,100	\$48,100
Fire	\$2,800	\$12,600	\$2,800	\$2,800	\$2,800	\$12,600
<b>Computers/Monitors Cost per Year</b>	<b>\$109,700</b>	<b>\$103,000</b>	<b>\$102,400</b>	<b>\$111,200</b>	<b>\$138,200</b>	<b>\$122,800</b>



# IS-IT-01: INFORMATION TECHNOLOGY UPGRADES AND REPLACEMENTS

## Servers

(Costs include installation and software)

Location	Inventory	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Citywide	17	4	4	4	4	4	4
Public Works							
Recreation							
Police	9	2	2	2	2	2	2
Fire							
<b>Total Servers</b>	<b>26</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>

<u>Cost of Replacement</u>	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Citywide	\$32,000	\$32,000	\$32,000	\$32,000	\$32,000	\$32,000
Public Works						
Recreation						
Police	\$16,000	\$16,000	\$16,000	\$16,000	\$16,000	\$16,000
Fire						
<b>Servers Cost per Year</b>	<b>\$48,000</b>	<b>\$48,000</b>	<b>\$48,000</b>	<b>\$48,000</b>	<b>\$48,000</b>	<b>\$48,000</b>

# IS-IT-01: INFORMATION TECHNOLOGY UPGRADES AND REPLACEMENTS

## Other Technology Replacements and Upgrades

Location	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
<b>Citywide</b>						
Plotter City Hall (1)	\$5,000			\$5,000		
Microsoft Office (320 Citywide)			\$75,000			
Spam Filter (300 Hardware/Software)	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
Channel 22 technology equipment		\$15,000			\$25,000	
Projectors (2)			\$2,000	\$2,000		\$2,000
Network Management System (City Wide)	\$80,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
WAN Switches (4)	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
Content Management System (CMS)					\$80,000	
Finance Software/Hardware				\$50,000		
<b>Total City Hall</b>	<b>\$100,000</b>	<b>\$40,000</b>	<b>\$102,000</b>	<b>\$82,000</b>	<b>\$130,000</b>	<b>\$27,000</b>
<b>Public Works</b>						
Network Cameras				\$20,000		
Radios (80)		\$20,000	\$20,000			
WAN Switches (2)		\$10,000				
<b>Total Public Works</b>	<b>\$0</b>	<b>\$30,000</b>	<b>\$20,000</b>	<b>\$20,000</b>	<b>\$0</b>	<b>\$0</b>
<b>Library</b>						
Projectors (1)				\$15,000		
WAN Switches (1)		\$5,000				
HD Video Magnifier with Text-to-Speech	\$3,500					\$3,500
<b>Total Library</b>	<b>\$3,500</b>	<b>\$5,000</b>	<b>\$0</b>	<b>\$15,000</b>	<b>\$0</b>	<b>\$3,500</b>

# IS-IT-01: INFORMATION TECHNOLOGY UPGRADES AND REPLACEMENTS

## Other Technology Replacements and Upgrades

Location	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
<b>Police</b>						
Radios-portable (154)	\$18,250	\$23,250	\$23,250	\$23,250	\$23,250	\$23,250
Radios-mobile (42)	\$8,500	\$13,500	\$13,500	\$13,500	\$13,500	\$13,500
Printers (68)	\$2,700	\$2,700	\$2,700	\$2,700	\$2,700	\$2,700
CJIS Compliance	\$3,400	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
Projectors (9)	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
Firewalls (4)	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000
Tape back ups (2)	\$3,000		\$3,000		\$3,000	
Scanners (14)	\$1,500		\$1,500		\$1,500	
Dispatch Center Equipment Replacement	\$261,858	\$261,858	\$261,858	\$261,858	\$261,858	\$261,858
<b>Total Police</b>	<b>\$304,208</b>	<b>\$311,308</b>	<b>\$315,808</b>	<b>\$311,308</b>	<b>\$315,808</b>	<b>\$311,308</b>
<b>Fire</b>						
Radios- portable (55)	\$18,000	\$18,000	\$18,000	\$18,000	\$18,000	\$18,000
Radios- mobile (44)	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
Printers (13)	\$2,750	\$2,750	\$2,750	\$2,750	\$2,750	\$2,750
WAN Swtiches (3)		\$15,000				
Projectors (5)			\$2,000	\$2,000	\$2,000	\$2,000
<b>Total Fire</b>	<b>\$25,750</b>	<b>\$40,750</b>	<b>\$27,750</b>	<b>\$27,750</b>	<b>\$27,750</b>	<b>\$27,750</b>
<b>School Department</b>						
Wifi Access Points		\$15,000		\$5,000	\$5,000	
Classroom LCD Projectors		\$5,000		\$15,000		\$15,000
Virtual Desktop Interface (VDI) Expansion	\$15,000	\$10,000	\$15,000	\$30,000	\$15,000	\$30,000
Video Distribution Server			\$30,000			
Printers			\$5,000			\$5,000
LAN Network Switches	\$25,000		\$10,000	\$10,000	\$10,000	\$10,000
WAN Switches (6)		\$30,000			\$30,000	
<b>Total School</b>	<b>\$40,000</b>	<b>\$60,000</b>	<b>\$60,000</b>	<b>\$60,000</b>	<b>\$60,000</b>	<b>\$60,000</b>
<b>Other Technology Replacement/Upgrades Cost per Year</b>	<b>\$473,458</b>	<b>\$487,058</b>	<b>\$525,558</b>	<b>\$516,058</b>	<b>\$533,558</b>	<b>\$429,558</b>

# IS-IT-01: INFORMATION TECHNOLOGY UPGRADES AND REPLACEMENTS

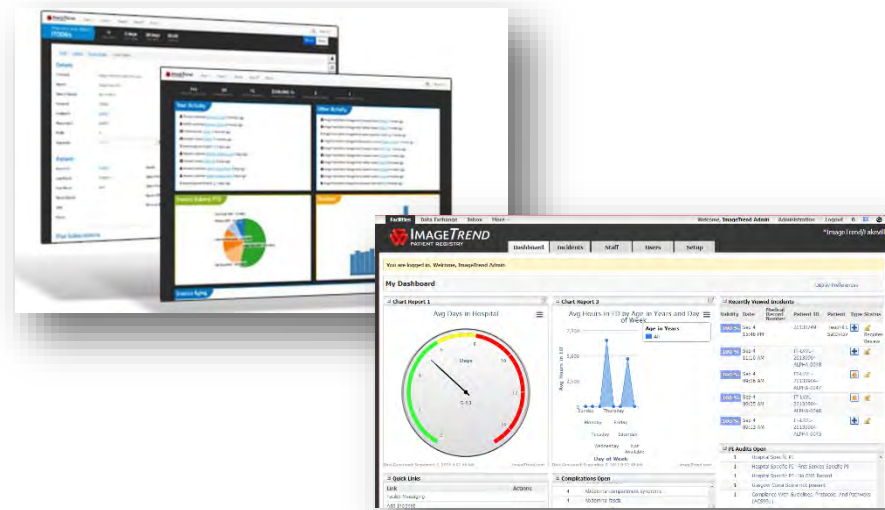
## Totals by Location

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Citywide	\$132,000	\$72,000	\$134,000	\$159,000	\$208,800	\$105,800
Public Works	\$33,300	\$57,000	\$20,000	\$20,000	\$0	\$0
Library	\$44,000	\$20,300	\$40,500	\$30,300	\$40,500	\$0
Recreation	\$0	\$0	\$11,000	\$0	\$0	\$0
Police	\$353,308	\$375,408	\$379,908	\$375,408	\$379,908	\$375,408
Fire	\$28,550	\$53,350	\$30,550	\$30,550	\$30,550	\$40,350
School	\$40,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000
<b>Total Information Technology Replacement and Upgrades</b>	<b>\$631,158</b>	<b>\$638,058</b>	<b>\$675,958</b>	<b>\$675,258</b>	<b>\$719,758</b>	<b>\$581,558</b>

## IS-FD-02: INCIDENT REPORTING AND DATA MANAGEMENT SYSTEM

Department	Fire Department
Project Location	Department-wide
Project Type	Other (explained below)
Commence FY	2018
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Minimal

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Serve Growth	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	

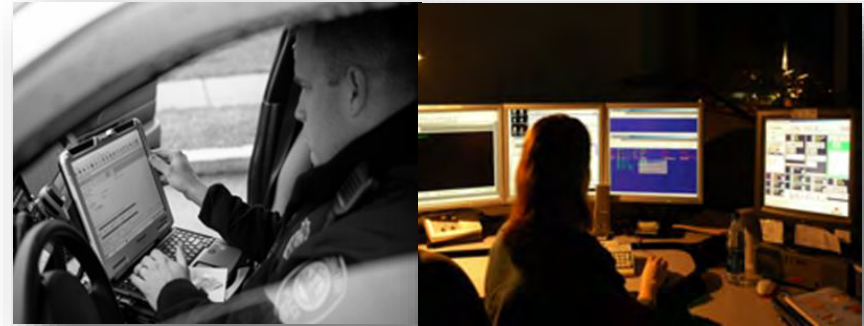


**Description:** The department is looking at a secure, web-based records management and reporting system. This will provide for complete and accurate incident reporting, data collection and analysis, along with staff and equipment management. The system will be compatible with current computer aided dispatch product used at the City’s dispatch center. It will also adhere with the State of NH Fire and Emergency Medical Reporting requirements.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
GF (Non-Operating)	100%	\$19,500	\$19,500					\$39,000	\$0	\$39,000
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$19,500	\$19,500	\$0	\$0	\$0	\$0	\$39,000	\$0	\$39,000

**IS-PD-03: PUBLIC SAFETY RECORDS MGT/COMPUTER AIDED DISPATCH SYSTEM**

Department	Police Department
Project Location	To Be Determined
Project Type	Other (explained below)
Commence FY	2022
Priority	B (needed within 4 to 6 years)
Impact on Operating Budget	Minimal



Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Serve Growth	Y
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	Y
Eligible for Matching Funds with Limited Availability	

**Description:** The current RMS/CAD systems are handled with IMC/Tritech software. Although this system has served the needs of the departments for 15+ years, it no longer meets the evolving public safety technology. It is a single-jurisdiction antiquated software platform with: limited enhancement & development, redundancy of effort, limited transparency/ visibility to community, limited mobile and web-based functionality that decreases officer productivity, and requires specialized IT capabilities and long lead times for reports and crime analysis challenges.

A new software is sought for improved mobile computing and analysis tools, management dashboards, multi-disciplinary, and multi-jurisdictional expandable capabilities for future potential collaborations with surrounding communities/mutual aide.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%					\$500,000		\$500,000	\$0	\$500,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$0	\$0	\$0	\$500,000	\$0	\$500,000	\$0	\$500,000

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# IV. TRANSPORTATION MANAGEMENT



## TSM-PW-01: FREE PUBLIC PARKING/ SHARED LOT AGREEMENTS

Department	Public Works – Parking and Transportation Division
Project Location	City-Wide
Project Type	Rehabilitation of a facility
Commence FY	On-Going
Priority	O (ongoing or programmatic)
Impact on Operating Budget	Negligible



Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	Y
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	

**Description:** The City makes available free parking lots for long-term parking in close proximity to the downtown. The City maintains shared lot agreements with a number of private company owners including the St. John’s Masonic Association and the Connect Community Church.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Unmet Parking Credits	25%							\$0	\$126,000	\$126,000
Revenues	75%	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$360,000	\$17,000	\$377,000
PPP	0%							\$0	\$0	\$0
	Totals	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$360,000	\$143,000	\$503,000

## TSM-PW-02: PARKING LOT PAVING

Department	Public Works – Parking and Transportation Division
Project Location	City-Wide
Project Type	Paving and Lot Upgrades
Commence FY	On-Going
Priority	O (ongoing or programmatic)
Impact on Operating Budget	Negligible



Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	

**Description:** Similar to city streets, parking lots require maintenance and periodic repaving. The most recent parking lot paving projects included the Worth Lot and Municipal Complex Lower Lot.

The City owns metered parking lots (Bridge Street, Worth, Court Street and Memorial Bridge Lot) and six unmetered parking lots (Prescott Park, Parrott Avenue, South Mill Road, Rockingham Street, the Municipal Complex and Rockland Street).

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	100%	\$150,000	\$300,000	\$100,000	\$100,000	\$100,000	\$100,000	\$850,000	\$800,000	\$1,650,000
PPP	0%							\$0	\$0	\$0
	Totals	\$150,000	\$300,000	\$100,000	\$100,000	\$100,000	\$100,000	\$850,000	\$800,000	\$1,650,000

## TSM-PW-03: PARKING METERS

Department	Public Works – Parking and Transportation Division
Project Location	Downtown Business District
Project Type	Upgrade Existing Facilities
Commence FY	On-Going
Priority	O (ongoing or programmatic)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** The City is looking to update and replace older “coin only” parking meters with credit card/coin ready “smart” meters. Additionally, older multi-space meters will be upgraded to a compatible technology.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	100%	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$270,000	\$290,000	\$560,000
PPP	0%							\$0	\$0	\$0
	Totals	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$270,000	\$290,000	\$560,000



## TSM-CD-04: CHESTNUT STREET PEDESTRIAN CONNECTOR

Department	Community Development Department
Project Location	Former roadway bed between State Street and Porter Street
Project Type	Construction or expansion of a public facility, street or utility
Commence FY	2017
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Bicycle and Pedestrian Plan 2014</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	Y
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



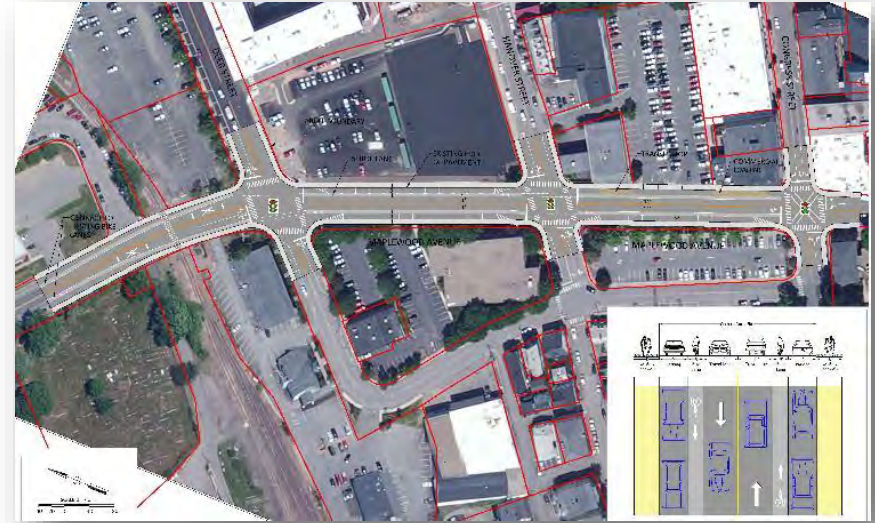
**Description:** The purpose of this project is to improve pedestrian safety and promote wayfinding along the Chestnut Street corridor to Vaughn Mall and beyond. This project will formalize and improve the City's existing right to a crossing between State Street and Porter Street along an abandoned roadway bed and improve access to the newly completed African Burying Ground from Congress Street.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%	\$50,000	\$100,000					\$150,000	\$50,000	\$200,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$50,000	\$100,000	\$0	\$0	\$0	\$0	\$150,000	\$50,000	\$200,000

# TSM-CD-05: DOWNTOWN MAPLEWOOD AVENUE AREA COMPLETE STREET PROJECT

Department	Planning Department and Public Works
Project Location	Maplewood Avenue from Congress Street to Vaughan Street
Project Type	Rehabilitation of Existing Facilities
Commence FY	2017
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Bicycle and Pedestrian Plan 2014</a> , <a href="#">Maplewood Ave Complete Street Study</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	Y
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	Y
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** The goals are to enhance the comfort, appeal and safety of this approximately ¼ mile corridor. This project is intended for planning, design and construction and will include sidewalk widening, bike lanes, crosswalk improvements, travel lane reductions, related underground utility work as well as roadway reconstruction. Partial funding will be provided by developers of abutting parcels.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	19%							\$0	\$167,000	\$167,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	52%	\$450,000						\$450,000	\$0	\$450,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP (Portwalk)	29%							\$0	\$250,000	\$250,000
	Totals	\$450,000	\$0	\$0	\$0	\$0	\$0	\$450,000	\$417,000	\$867,000

## TSM-PW-06: NORTH MILL POND MULTI-USE PATH

Department	Planning Department and Public Works
Project Location	North Mill Pond Shoreline Market St to Barlett St.
Project Type	Construction or expansion of public facility
Commence FY	2017
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Minimal



**Description:** The North Mill Pond Multi-Use Path would be a paved path for use by bicycles and pedestrians extending from Market Street to Bartlett Street, with a brief on-road connection on Maplewood Ave. As proposed, the path would be a minimum of ten-feet (10') wide and two-feet (2') of clear space on either side. Phase 1 of this project would include design of the entire corridor as well as construction for the portion extending from Bartlett St to Maplewood Ave. Phase 2 will address the extension from Maplewood Ave to Market Street, where significant private investment is anticipated.

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – <a href="#">Bicycle and Pedestrian Plan 2014</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	Y
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	3%							\$0	\$100,000	\$100,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	78%	\$500,000					\$2,500,000	\$3,000,000	\$0	\$3,000,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	19%	\$250,000					\$500,000	\$750,000	\$0	\$750,000
	Totals	\$750,000	\$0	\$0	\$0	\$0	\$3,000,000	\$3,750,000	\$100,000	\$3,850,000



## TSM-CD/NH-07: HAMPTON BRANCH RAIL TRAIL

Department	Planning Department
Project Location	Former Hampton Branch Rail Line
Project Type	New Construction
Commence FY	2017
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Minimal

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Bicycle and Pedestrian Plan 2014</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	Y
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



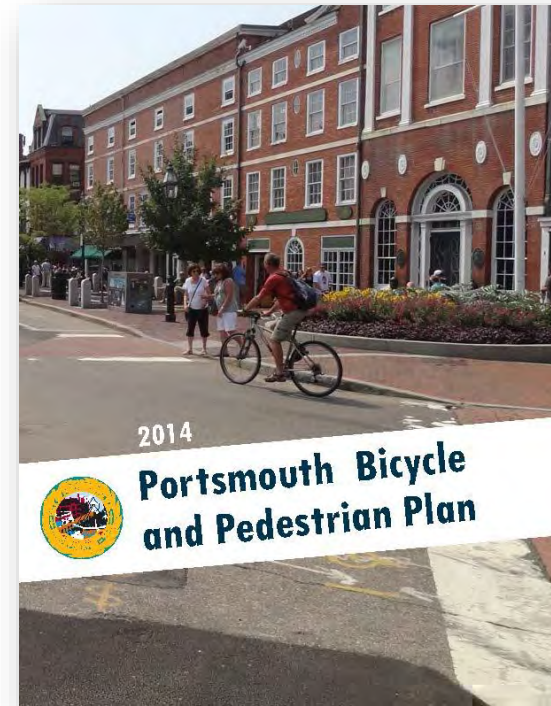
**Description:** The abandoned rail corridor from Portsmouth to Hampton includes 3.6 miles in Portsmouth. This corridor has been designated as the future off-road route of the NH Seacoast Greenway. The NH Department of Transportation has funding to acquire the rail corridor, as well as partial funding to convert it to a multi-use trail. NHDOT is currently finalizing the acquisition of the right-of-way and expects to start construction in 2017, in partnership with communities along the corridor. The Portsmouth portion will be constructed in phases, beginning with the 0.8 mile segment between Barberry Lane and Route 33. The budget estimates assume that the City will be responsible for design costs and approximately 40% of the construction costs.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	16%	\$225,000	\$206,000	\$200,000				\$631,000	\$319,000	\$950,000
Fed/ State	75%	\$72,000	\$62,000	\$56,000				\$190,000	\$4,170,000	\$4,360,000
Bond/ Lease	0%							\$0	\$0	\$0
Other	9%	\$108,000	\$93,000	\$84,000				\$285,000	\$255,000	\$540,000
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$405,000	\$361,000	\$340,000	\$0	\$0	\$0	\$1,106,000	\$4,744,000	\$5,850,000

## TSM-PL-08: BICYCLE / PEDESTRIAN PLAN IMPLEMENTATION

Department	Planning Department and Public Works
Project Location	City-wide
Project Type	Construction or expansion of a public facility, street or utility
Commence FY	Ongoing
Priority	O (Ongoing)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Bicycle and Pedestrian Plan 2014</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	Y
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	Y
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



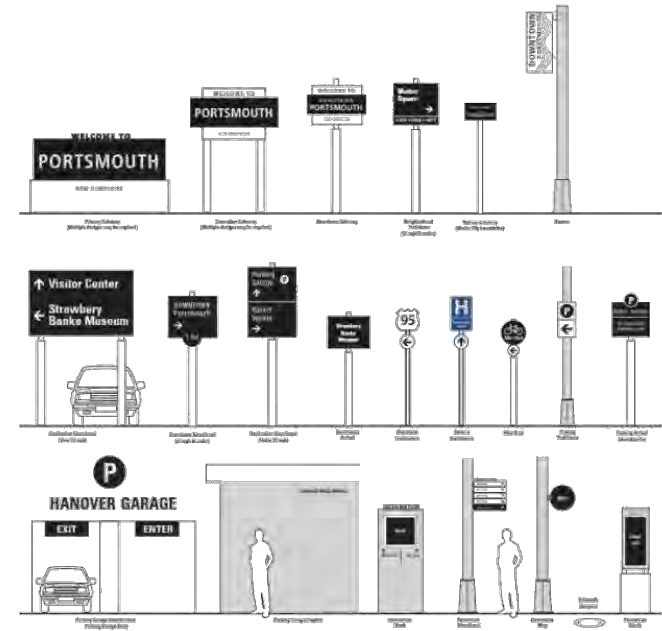
**Description:** This project is to implement the projects identified in the Bicycle and Pedestrian Plan. Demand for bicycle and pedestrian facilities continues to grow and these funds will be used as opportunities become available to expand and improve the City-wide bicycle and pedestrian networks.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	26%	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000	\$50,000	\$350,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	74%							\$0	\$1,000,000	\$1,000,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000	\$1,050,000	\$1,350,000

# TSM-PW-09: WAYFINDING SYSTEM

Department	Planning Department and Public Works
Project Location	City-Wide
Project Type	New Construction
Commence FY	2015
Priority	O (On-going)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – <a href="#">Master Plan 2005</a> , <a href="#">Wayfinding Analysis 2014</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	Y
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** The City’s Wayfinding System is designed to help visitors navigate efficiently to major destinations within the Downtown and throughout the City, using a variety of tools (both physical and virtual). The system is designed to assist pedestrians, bicyclists and transit users, as well as motorists. The program includes a phased program for implementation over several years; and is designed to be easy to maintain.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	21%							\$0	\$305,000	\$305,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	79%		\$275,000	\$350,000				\$625,000	\$540,000	\$1,165,000
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$275,000	\$350,000	\$0	\$0	\$0	\$625,000	\$845,000	\$1,470,000

## TSM-PW/NH-10: US ROUTE 1 NEW SIDEPATH CONSTRUCTION

Department	Planning Department and Public Works
Project Location	US Route 1 from Andrew Jarvis to Elwyn Rd
Project Type	New Construction
Commence FY	2021
Priority	B (needed within 4 to 6 years)
Impact on Operating Budget	Minimal



Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Bicycle and Pedestrian Plan 2014</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	Y
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	

**Description:** This project calls for creation of a walkable and bike-able connection for neighborhoods and destinations along Route 1 through construction of ten ft. sidepaths on each side of road in available NH DOT right-of-way. This will be a phased project, the first phase of which will extend from the intersection of Elwyn Road/Peeverly Hill Road to Heritage Ave to correspond with the NHDOT Route 1 Corridor Project. Most of the project falls within NHDOT jurisdiction, and requires coordination and permission from the state agency to implement and maintain. A separate but related project would add ADA-Compliant crosswalks and actuated pedestrian signals to cross Lafayette Rd at key intersections.

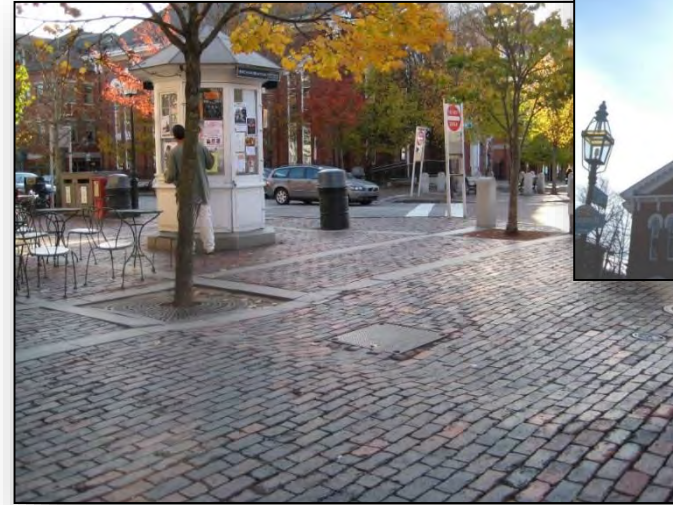
		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	17%		\$80,000	\$50,000	\$295,000			\$425,000	\$0	\$425,000
Fed/ State	83%						\$2,100,000	\$2,100,000	\$0	\$2,100,000
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$80,000	\$50,000	\$295,000	\$0	\$2,100,000	\$2,525,000	\$0	\$2,525,000



## TSM-PW-11: MARKET SQUARE UPGRADE

Department	Public Works
Project Location	Market Square
Project Type	Rehabilitation of Existing Facilities
Commence FY	2019
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Bicycle and Pedestrian Plan 2014</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** Market Square in its current configuration was constructed in 1977. Since then a number of minor improvements have been completed. Streets around the Square have been upgraded and the Market Square requires upgrades to the sidewalks and lighting. In addition to streetscape upgrades, water, sewer, drainage, and electrical upgrades are required.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	13%		\$50,000					\$50,000	\$100,000	\$150,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	87%			\$1,000,000				\$1,000,000	\$0	\$1,000,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$50,000	\$1,000,000	\$0	\$0	\$0	\$1,050,000	\$100,000	\$1,150,000

## **TSM-PW-12: SPINNEY ROAD SIDEWALK AND INTERSECTION CONSTRUCTION**

Department	Public Works
Project Location	Spinney Road
Project Type	Construction or expansion of a new public facility, street or utility
Commence FY	2019
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible



Evaluation Criteria	Satisfy
Identified in Planning Document or Study – <a href="#">Bicycle and Pedestrian Plan 2014</a>	Y
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	

**Description:** Project would construct new sidewalks on this corridor between Islington Street and Middle Road and improve the intersection at Spinney Road and Islington Street. Spinney Road connects the commercial section of the Islington Street corridor with the residential neighborhoods off Middle Road. Pedestrians regularly use the street even though it lacks adequate shoulders or a sidewalk. This project will be split into two (2) phases. Phase 1 (from Middle Rd. to the Seawall) will be completed in Spring of FY17. The balance of the work will be done in conjunction with the Islington Corridor Improvements.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%		\$175,000					\$175,000	\$225,000	\$400,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$175,000	\$0	\$0	\$0	\$0	\$175,000	\$225,000	\$400,000

## TSM-PW/NH-13: US ROUTE 1 CROSSWALKS AND SIGNALS

Department	Public Works
Project Location	US Route 1 Lafayette Road from Elwyn Road/ Peverly Hill Road to Rye town line
Project Type	Construction or expansion of a public facility, street or utility
Commence FY	2019
Priority	B (needed within 4 to 6 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Bicycle and Pedestrian Plan 2014</a>	Y
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** Project supports US Route 1 Sidepath project (separate project) in order to improve bicycle and pedestrian safety crossing US Route 1 / Lafayette Rd. Includes addition of ADA-compliant crosswalks and actuated pedestrian signals to cross Lafayette Rd at Campus Dr, Elwyn Rd, Heritage Ave, Ocean Rd / Longmeadow Rd, Wilson Rd, and White Cedar Blvd.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	35%		\$25,500	\$25,000	\$110,000	\$110,000		\$270,500	\$0	\$270,500
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP (Walmart)	65%							\$0	\$500,000	\$500,000
	Totals	\$0	\$25,500	\$25,000	\$110,000	\$110,000	\$0	\$270,500	\$500,000	\$770,500



## TSM-PW-14: ELWYN PARK SIDEWALKS PHASE I

Department	Public Works
Project Location	Elwyn Park (McKinley Rd, Harding Rd, Van Buren Rd, Filmore Rd)
Project Type	Construction or expansion of public facility
Commence FY	2018
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – <a href="#">Bicycle and Pedestrian Plan 2014</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	Y
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



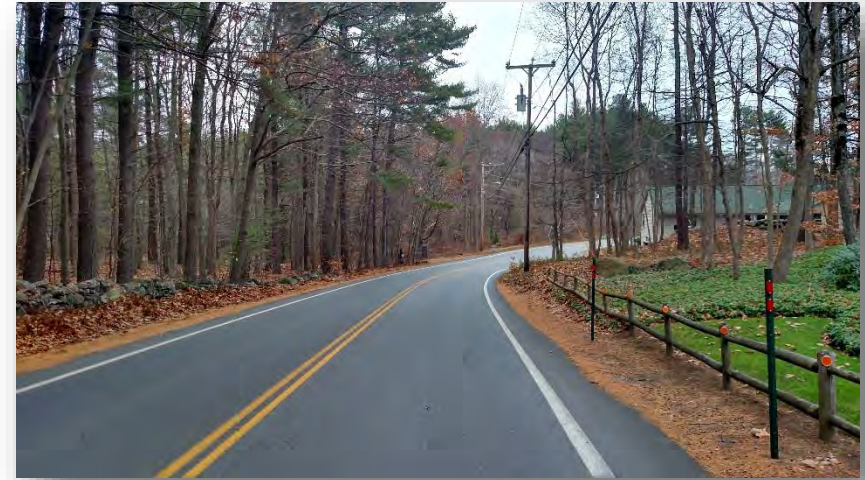
**Description:** This project will provide a safe pedestrian connections throughout the Elwyn Park neighborhood. These improvements will be implemented in phases. The first phase will include roads with immediate access to the Dondero School.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	20%	\$20,000	\$78,000	\$150,000				\$248,000	\$0	\$248,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	80%				\$980,000			\$980,000	\$0	\$980,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$20,000	\$78,000	\$150,000	\$980,000	\$0	\$0	\$1,228,000	\$0	\$1,228,000

## TSM-PW-15: ELWYN ROAD SIDEWALK EXTENSION

Department	Public Works
Project Location	Elwyn Park (from Route 1 to Tucker's Cove)
Project Type	Construction or expansion of public facility, street or utility
Commence FY	2019
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Minimal

Evaluation Criteria	Satisfy
Identified in Planning Document or Study - <a href="#">Bicycle and Pedestrian Plan 2014</a>	Y
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	Y
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This project would extend the sidewalk system to the Elwyn Park area, the Urban Forestry Center, Regina Road and Tuckers Cove to and from Sagamore Ave and Route 1

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	6%		\$90,000					\$90,000	\$0	\$90,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	94%						\$1,500,000	\$1,500,000	\$0	\$1,500,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$90,000	\$0	\$0	\$0	\$1,500,000	\$1,590,000	\$0	\$1,590,000

## TSM-PW-16: BANFIELD ROAD PEDESTRIAN ACCOMMODATIONS

Department	Public Works
Project Location	Banfield Road
Project Type	Construction or expansion of public facility
Commence FY	2021
Priority	B (needed within 4 to 6 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – Banfield Road Conceptual Design & Master Plan Summary	Y
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This project provides pedestrian accommodations in the form of either sidewalk or multi-use path on Banfield Road from Ocean Road to Heritage Drive. These accommodations were identified by the 2015 Banfield Road Master Plan, and they will connect Ocean Road to the future Hampton Branch Rail Trail. Design engineering and permitting is currently being completed in conjunction with the Banfield Road culvert design project.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%				\$375,000			\$375,000	\$0	\$375,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$0	\$0	\$375,000	\$0	\$0	\$375,000	\$0	\$375,000

## TSM-PW-17: CITY-WIDE SIDEWALK RECONSTRUCTION PROGRAM

Department	Public Works
Project Location	City-Wide
Project Type	Upgrade Existing Facilities
Commence FY	On-Going
Priority	O (ongoing or programmatic)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Sidewalk Condition Index 2015</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



South Street



Dennett Street

**Description:** This program is in conjunction with the ongoing Bicycle Pedestrian Plan. The sidewalk inventory consists of over seventy (70) miles of sidewalks, made from asphalt, concrete, brick, or stone. Reconstruction work is required to bring these to standard. Reconstruction is based upon need and is coordinated with other street improvements. To aid in prioritizing of sidewalk upgrades the DPW has completed a sidewalk condition inventory. This project includes sidewalks identified as being in poor to fair condition.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%	\$800,000		\$800,000		\$800,000		\$2,400,000	\$2,200,000	\$4,600,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$800,000	\$0	\$800,000	\$0	\$800,000	\$0	\$2,400,000	\$2,200,000	\$4,600,000

TSM-PW-17: City-Wide Sidewalk Reconstruction Program

PROPOSED CAPITAL IMPROVEMENTS-SIDEWALKS

Fiscal Years 2018 and 2019

PROPOSED CAPITAL IMPROVEMENTS - EXISTING SIDEWALKS

\*Sidewalk

Colonial Dr Area  
Woodbury Ave (Market to Gosling)  
Bartlett St  
Willard Ave  
Thornton St  
Clinton  
Suzanne Dr  
Miscellaneous

\*Project completion will be depend on available funds and bid results.



## TSM-PW-18: CITY-WIDE TRAFFIC SIGNAL UPGRADE PROGRAM

Department	Public Works
Project Location	City-Wide
Project Type	Upgrade Existing Infrastructure
Commence FY	On-Going
Priority	O (ongoing or programmatic)
Impact on Operating Budget	Negligible



Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	

**Description:** The City continues to replace antiquated signal systems throughout the City. These replacements markedly improve traffic flow, emergency response, efficiency and safety at these intersections. The upgrades include new traffic signals, controllers, pedestrian indicators and minor roadwork at each intersection.

Proposed intersections include:

- Bartlett Street at Islington Street
- Granite Street at Woodbury Avenue
- Cabot Street at Islington Street
- Middle St. at Miller Ave.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000	\$600,000	\$1,200,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000	\$600,000	\$1,200,000

## TSM-PW-19: CITY-WIDE INTERSECTION IMPROVEMENTS

Department	Public Works
Project Location	City-Wide
Project Type	Rehabilitation of a facility
Commence FY	On-Going
Priority	O (ongoing or programmatic)
Impact on Operating Budget	Negligible



Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	

**Description:** The Parking, Traffic, and Safety Committee receives numerous requests from neighborhoods throughout the City regarding traffic volumes, motor vehicle speeds, and pedestrian safety. A majority of these requests deal with street intersections which would be enhanced with minor modifications to the geometry of the streets at the intersections. This project would fund improvements to various intersections involving realignment, curbing, signage, and other traffic calming methods. These slight modifications will improve safety for both pedestrian and motor vehicle traffic.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%	\$100,000		\$100,000		\$100,000		\$300,000	\$250,000	\$550,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$100,000	\$0	\$100,000	\$0	\$100,000	\$0	\$300,000	\$250,000	\$550,000



## TSM-PW-20: WOODBURY/MARKET ST PEDESTRIAN INTERSECTION IMPROVEMENTS

Department	Public Works
Project Location	Woodbury Ave & Market Street Intersection
Project Type	Construction or expansion of public street
Commence FY	2018
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible



Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Serve Growth	Y
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	Y

**Description:** This project is intended to be coupled with the Woodbury Ave Signal Coordination and Upgrade CMAQ grant to create pedestrian refuge areas in this intersection. Pedestrian refuge islands are particularly suitable for wide two-way streets with four (4) or more lanes of moving traffic. They are particularly useful to persons with mobility disabilities, very old, or very young pedestrians who walk at slower speeds and persons who are in wheelchairs. The existing pedestrian ramps and signals will be upgraded as well.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	45%	\$219,000						\$219,000	\$0	\$219,000
Fed/ State	55%							\$0	\$269,942	\$269,942
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$219,000	\$0	\$0	\$0	\$0	\$0	\$219,000	\$269,942	\$488,942

## TSM-PW-21: LAFAYETTE/ANDREW JARVIS INTERSECTION IMPROVEMENTS

Department	Public Works
Project Location	Lafayette Road
Project Type	Construction or Expansion of Street
Commence FY	2018
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	
Provides Added Capacity to Serve Growth	Y
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



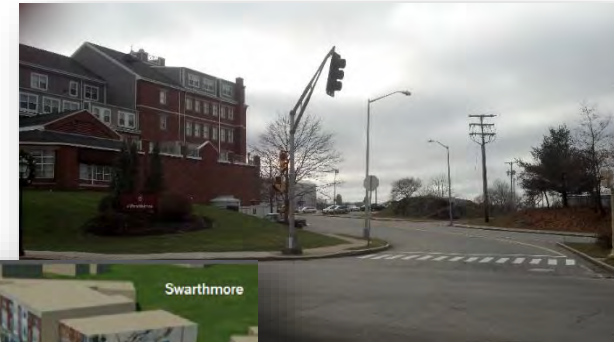
**Description:** Construction of improvements to intersection, including signalization of intersection, widening Andrew Jarvis Drive to provide separate left and right turn lanes, widening Lafayette Road to provide turning lanes, provide bus stop, crosswalks and bike lane on Lafayette Road. Construct ornamental stone wall at corner and reinstall the High School Sign.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%	\$800,000						\$800,000	\$0	\$800,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$800,000	\$0	\$0	\$0	\$0	\$0	\$800,000	\$0	\$800,000

## TSM-PW-22: RUSSELL/MARKET INTERSECTION UPGRADE

Department	Public Works
Project Location	Russell and Market Streets
Project Type	Rehabilitation of Existing Facilities
Commence FY	2018
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	
Provides Added Capacity to Serve Growth	Y
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** The volume of traffic at the intersection of Russell and Market Streets has increased over time. Improvements to the intersection are needed to improve traffic flow and safety. This work is anticipated to be completed in conjunction with the Market Street Gateway Project and nearby development projects.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	15%		\$200,000					\$200,000	\$0	\$200,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	75%			\$1,000,000				\$1,000,000	\$0	\$1,000,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	9%	\$50,000						\$50,000	\$75,000	\$125,000
	Totals	\$50,000	\$200,000	\$1,000,000	\$0	\$0	\$0	\$1,250,000	\$75,000	\$1,325,000

## TSM-PW/NH-23: PEIRCE ISLAND BRIDGE REPLACEMENT:

Department	Public Works
Project Location	Peirce Island
Project Type	Construction or expansion of Public facility
Commence FY	2023
Priority	B (needed within 4 to 6 years)
Impact on Operating Budget	Negligible



Evaluation Criteria	Satisfy
Identified in Planning Document or Study – Peirce Island Bridge Study (in development)	Y
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	Y

**Description:** A recently completed bridge inspection identified this bridge in need of replacement within the next 5 to 10 years. Interim repairs have been completed to ensure use until 80% State DOT bridge funds are available. Replacement of the Peirce Island Bridge will be started after completion of the Peirce Island Wastewater Treatment Facility upgrade project.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	80%						\$6,720,000	\$6,720,000	\$0	\$6,720,000
Bond/ Lease	20%						\$1,680,000	\$1,680,000	\$0	\$1,680,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$0	\$0	\$0	\$0	\$8,400,000	\$8,400,000	\$0	\$8,400,000



## TSM-PW-24: CITY-WIDE BRIDGE IMPROVEMENTS

Department	Public Works
Project Location	Atlantic Heights
Project Type	Rehabilitation of a Facility
Commence FY	On-going
Priority	O (ongoing or programmatic)
Impact on Operating Budget	Negligible



Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	

**Description:** In FY17 the City started a City-wide Bridge Master Plan. The City’s 15 bridges will be reviewed and the status of each will be prioritized for maintenance and rehabilitation work to ensure their continued integrity.

The funds requested will be utilized to keep the City’s bridges maintained properly. Typical bridge maintenance activities include sealing the concrete surfaces, replacing the pavement surfaces, replacing the bridge membranes and replacing, maintaining or upgrading railing systems and fences.

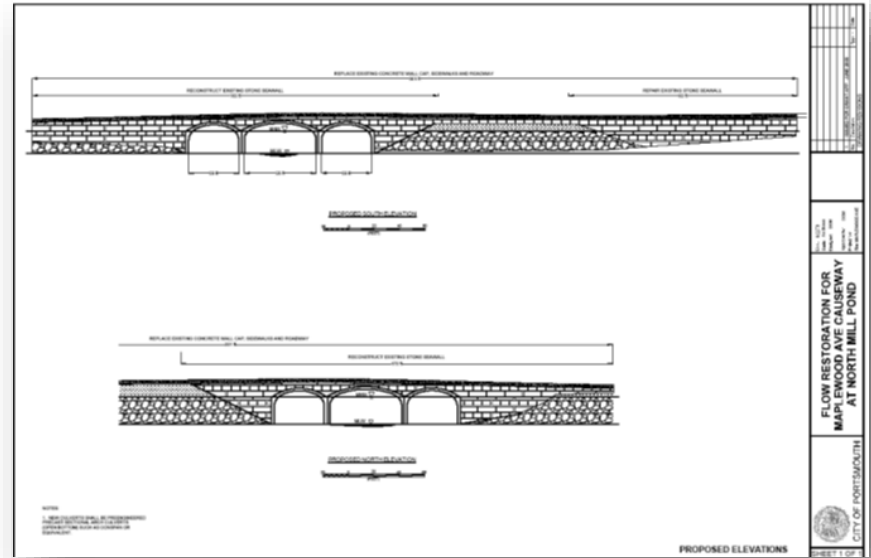
The FY18 and FY19 funds are designated for the design and rehabilitation of the deck of the Kearsarge Way Bridge. The deck membrane has begun to fail and the concrete deck is rapidly deteriorating due to heavy traffic loads and exposure to salt.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	46%	\$100,000		\$50,000	\$50,000	\$50,000	\$50,000	\$300,000	\$0	\$300,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	54%		\$350,000					\$350,000	\$0	\$350,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$100,000	\$350,000	\$50,000	\$50,000	\$50,000	\$50,000	\$650,000	\$0	\$650,000

# TSM-PW-25: MAPLEWOOD AVENUE CULVERT REPLACEMENT

Department	Public Works
Project Location	Maplewood Avenue
Project Type	Rehabilitation of Existing Facility
Commence FY	2022
Priority	B (needed within 4 to 6 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This project consists of the replacement of the Maplewood Avenue culvert at the North Mill Pond. The replacement structure will consist of three (3) concrete arches with existing stone reused to construct the seawalls. The project was identified as part of the Seawall Study completed in 2008. If State Bridge Aid funds are not available General Obligation bonding will be needed to complete this project.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%					\$3,800,000		\$3,800,000	\$0	\$3,800,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$0	\$0	\$0	\$3,800,000	\$0	\$3,800,000	\$0	\$3,800,000



## TSM-PW/NH-26: CATE STREET BRIDGE REPLACEMENT

Department	Public Works
Project Location	Cate Street
Project Type	Upgrade Existing Infrastructure
Commence FY	2030
Priority	C (can be placed on hold for after 6 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This bridge is now well past its intended 50-year design life and loads well in excess of those for which it was originally designed. The bridge either needs to be replaced or discontinued along with related street work for Cate Street. In FY05, the City began discussions with impacted property owners to investigate the potential reopening of Cate Street to the Bypass, which could allow the bridge to be discontinued. This project is currently in the Long Range Plan for the RPC with construction and funding in FY2030.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

## TSM-PW-27: LED STREETLIGHT CONVERSION

Department	Public Works
Project Location	City-wide
Project Type	Transportation Management
Commence FY	On-Going
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Reduce

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	Y
Eligible for Matching Funds with Limited Availability	



**Description:** This project will convert all High Pressure Sodium cobra head streetlights located on utility poles to LED cobra head streetlights. This conversion will result in energy savings and improvements to nighttime visibility on roadways. Payback on this project is in 2 ½ years.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%	\$181,000						\$181,000	\$0	\$181,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$181,000	\$0	\$0	\$0	\$0	\$0	\$181,000	\$0	\$181,000

## TSM-PW-28: SIGN INVENTORY

Department	Public Works
Project Location	City-wide
Project Type	Transportation Management
Commence FY	2018
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	Y
Eligible for Matching Funds with Limited Availability	



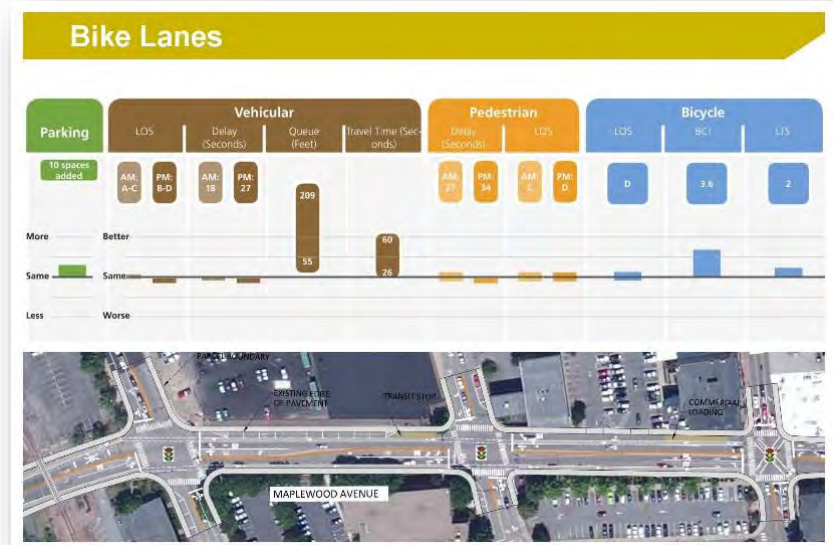
**Description:** The City will hire a contractor to conduct an inventory of all street signs within city limits. This includes regulatory, warning, street name, directional, informational signs and any other sign currently within the layout of all city streets. The inventory would include information on sign type, size, legend, post, mounting, sheeting and compliance with standards. The database would be provided to the City, with the ability to update it on an on-going basis. The database would help prioritize signs needing replacement, removal or upgrading.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%	\$45,000						\$45,000	\$0	\$45,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$45,000	\$0	\$0	\$0	\$0	\$0	\$45,000	\$0	\$45,000

# TSM-PW-29: TRANSPORTATION PLAN STUDIES AND DESIGNS

Department	Public Works
Project Location	City-Wide
Project Type	Design work or planning study
Commence FY	On-Going
Priority	O (ongoing or programmatic)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This funding is to allow design work related to individual transportation project, PTS Committee referral, or planning document implementation. These types of studies may include Corridor Studies, Truck Route, and Downtown Circulation Studies. Land use has changed significantly over the last several years. These studies look at the Ordinance and existing conditions and propose changes to improve and protect the quality of life in Portsmouth.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	8%							\$0	\$20,000	\$20,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	92%	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$120,000	\$100,000	\$220,000
PPP	0%							\$0	\$0	\$0
Totals		\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$120,000	\$120,000	\$240,000



## TSM-PW-30: HOOVER/TAFT DRAINAGE UPGRADES

Department	Public Works
Project Location	Hoover, Taft, FW Hartford Area
Project Type	Construction or expansion of a new public facility, street or utility
Commence FY	2018
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible



Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	Y
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	

**Description:** This project would alleviate the flooding in this area during intense rain events and repave the area after construction.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%	\$250,000						\$250,000	\$0	\$250,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$250,000	\$0	\$0	\$0	\$0	\$0	\$250,000	\$0	\$250,000

## **TSM-PW-31: PLEASANT STREET RECONSTRUCTION**

Department	Public Works
Project Location	Pleasant Street (from Court Street to Marcy Street)
Project Type	Rehabilitation of a facility
Commence FY	2018
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

<b>Evaluation Criteria</b>	<b>Satisfy</b>
Identified in Planning Document or Study	
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	Y
Eligible for Matching Funds with Limited Availability	



**Description:** Reconstruction of Pleasant Street from Court Street to Marcy Street. Project includes new water mains, new sanitary sewers, new drains, stormwater treatment/management measures, new sidewalks, and new pavement. Water and sewer improvement funding to come from enterprise funds.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%	\$750,000						\$750,000	\$0	\$750,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$750,000	\$0	\$0	\$0	\$0	\$0	\$750,000	\$0	\$750,000



## TSM-PW-32: LONGMEADOW ROAD EXTENSION

Department	Public Works
Project Location	Longmeadow Road
Project Type	New Road Construction
Commence FY	2018
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** During the approval process for the new Service Credit Union on Lafayette Road, land and other improvements were put in to place to allow for a future expansion of Longmeadow Road to connect with Lang Road near the back driveway to the Beechstone Apartment Complex. This road would serve to remove left turn traffic from Lang Road, turning south on Route 1. This location is the common scene of accidents and traffic congestion. Lang Road traffic wanting to go south on Route 1 would be re-routed onto Longmeadow Road and ultimately to the Longmeadow, Ocean Road, Route 1 traffic signal.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	30%		\$50,000					\$50,000	\$250,000	\$300,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	70%		\$700,000					\$700,000	\$0	\$700,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$750,000	\$0	\$0	\$0	\$0	\$750,000	\$250,000	\$1,000,000

## TSM-PW-33: NEW FRANKLIN/WOODBURY CORRIDOR IMPROVEMENTS

Department	Public Works
Project Location	Woodbury Ave
Project Type	Construction or Expansion of Public Street
Commence FY	2017
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Woodbury Avenue Corridor Study 2015</a>	Y
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This project includes design and construction of improvements recommended in the Woodbury Avenue Corridor Study. Work needed includes removal of the concrete medial islands, installation of traffic signals at the Route 1 Bypass northbound ramps, re-striping to provide left turn lanes at intersections, and construction of a pedestrian refuge island at Rockingham and Dennett.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	14%							\$0	\$80,000	\$80,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	86%	\$500,000						\$500,000	\$0	\$500,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$500,000	\$0	\$0	\$0	\$0	\$0	\$500,000	\$80,000	\$580,000

## TSM-PW-34: MCDONOUGH STREET AREA IMPROVEMENT PROJECT

Department	Public Works
Project Location	McDonough Street
Project Type	Construction of a public street
Commence FY	2014
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible



Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	

**Description:** This project is at the request of the Islington Creek Neighborhood Association to have new sidewalks and traffic calming measures installed throughout the McDonough Street Area. The main purpose of this project is to enhance safety for the residents and others who travel through this area on foot, by bicycle and motor vehicle. This area is a mixed use of residential, commercial and industrial uses located between Islington Street and North Mill Pond. The work will include water, sewer, storm drainage, paving, curbing and associated landscaping constructed in a phased approach.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%	\$800,000						\$800,000	\$2,400,000	\$3,200,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$800,000	\$0	\$0	\$0	\$0	\$0	\$800,000	\$2,400,000	\$3,200,000

## TSM-PW-35: ISLINGTON STREET IMPROVEMENTS

Department	Public Works
Project Location	Islington Street
Project Type	Rehabilitation of Existing Facilities
Commence FY	2017
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Islington St Improvement Action Plan (2009)</a> , <a href="#">Bicycle &amp; Pedestrian Plan (2014)</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Serve Growth	Y
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	Y
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** The [Islington Street Improvement Action Plan](#) was completed in 2009 with the goal of improving the appearance of Islington Street in the area between Maplewood Avenue and Rt. 1 Bypass. This project involved development of a plan for capital improvements, regulatory strategies and non-regulatory public/private approaches to revitalization. The streetscape will be enhanced in a coordinated way as properties are improved through the site review process. Final design is underway with the first phase of improvements starting at Congress St. with construction anticipated Summer 2017.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	13%							\$0	\$500,000	\$500,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	88%	\$2,500,000						\$2,500,000	\$1,000,000	\$3,500,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$2,500,000	\$0	\$0	\$0	\$0	\$0	\$2,500,000	\$1,500,000	\$4,000,000



## TSM-PW/FED-36: PEVERLY HILL ROAD IMPROVEMENTS

Department	Public Works
Project Location	Peverly Hill Road
Project Type	Upgrade of Existing Facilities
Commence FY	2016
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – <a href="#">Bicycle and Pedestrian Plan 2014</a>	Y
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This project will be completed in conjunction with the current Federal/State funded Congestion Mitigation sidewalk improvements project and will upgrade approximately one (1) mile of Peverly Hill Road stretching Middle Rd (Route 33) and Lafayette Rd (Route 1). The project is intended to create a “complete street” including providing safe on-road and off-road connections for bicycles, continuous sidewalks as well as the required drainage improvements, utilities, & roadway cross section elements.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	10%							\$0	\$300,000	\$300,000
Fed/ State	15%							\$0	\$450,000	\$450,000
Bond/ Lease	75%		\$2,200,000					\$2,200,000	\$0	\$2,200,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$2,200,000	\$0	\$0	\$0	\$0	\$2,200,000	\$750,000	\$2,950,000

## TSM-PW/NH-37: MARKET STREET GATEWAY IMPROVEMENTS

Department	Public Works
Project Location	Market Street
Project Type	Upgrade Existing Facilities
Commence FY	On-Going
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible



Evaluation Criteria	Satisfy
Identified in Planning Document or Study	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Serve Growth	Y
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	Y
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	

**Description:** This project is a continuation of phased improvements along the Market Street right-of-way as it extends from I-95 to Deer Street. The next phase is anticipated to be constructed in spring FY16 and includes improvements from the I-95 Exit 7 interchange to the Route 1 Bypass Bridge. This will be followed by a final construction phase once the Sarah Long Bridge is completed.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	12%							\$0	\$357,000	\$357,000
Fed/ State	0%							\$0	\$5,000	\$5,000
Bond/ Lease	88%		\$1,500,000					\$1,500,000	\$1,100,000	\$2,600,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000	\$1,462,000	\$2,962,000



# TSM-PW-38: STREET PAVING, MANAGEMENT AND REHABILITATION

Department	Public Works
Project Location	City-Wide
Project Type	Upgrade Existing Facilities
Commence FY	On-Going
Priority	O (ongoing or programmatic)
Impact on Operating Budget	Negligible



Evaluation Criteria	Satisfy
Identified in Planning Document or Study: <a href="#">Pavement Management Study</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	

**Description:** In 1993 the City began a Pavement Condition Management Program. This on-going program produces a report showing existing conditions for each publicly owned street and a priority ranking for the best dollar investment and has the ability to show "What If" scenarios and estimated project costs. These scenarios project future street conditions based upon various levels of expenditures. The most recent condition report recommends an expenditure of \$1,500,000 per year to maintain street conditions at its current level. The indicated expenditures are capital costs to implement the improvements over a two-year period with all work lasting twenty (20) years. (The Public Works operational budget includes those costs associated with maintenance work with an expected life of only ten (10) years).

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%	\$3,000,000		\$3,000,000		\$3,000,000		\$9,000,000	\$8,000,000	\$17,000,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$3,000,000	\$0	\$3,000,000	\$0	\$3,000,000	\$0	\$9,000,000	\$8,000,000	\$17,000,000

# TSM-PW-38: ROADWAY: Street Paving, Management and Rehabilitation

## PROPOSED CAPITAL IMPROVEMENTS-STREETS

Fiscal Years 2018 and 2019

### \*Street

State Street (Cass to Middle)

Union (Middle to Islington)

Coffin's Court

Andrew Jarvis

Morning Street

Osprey Drive Area

Elwyn Park Area

Pleasant Street

Walker Bungalow

Chapel Street (Bow to Daniels)

Miscellaneous

\*Project completion will be depend on available funds and bid results.

## TSM-PW-39: SOUTH STREET IMPROVEMENTS

Department	Public Works
Project Location	South Street – Junkins to Lafayette
Project Type	Upgrade of Existing Facilities
Commence FY	2021
Priority	B (needed within 4 to 6 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study - <a href="#">Bicycle &amp; Pedestrian Plan (2014)</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Serve Growth	Y
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** South Street is a major corridor for traffic in and out of the downtown core as well as an identified safe route to school for pedestrians and bicyclists in the [2014 Bicycle Pedestrian Plan](#). This road is in need of complete reconstruction. This project will incorporate the complete street components and will include a new road bed, underdrains and surface drainage. In addition to road work, there is water, sewer, and gas utility work needed.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	100%				\$100,000	\$100,000		\$200,000	\$0	\$200,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$0	\$0	\$100,000	\$100,000	\$0	\$200,000	\$0	\$200,000

## TSM-PW-40: PEASE INTERNATIONAL TRADEPORT ROADWAY REHABILITATION

Department	Public Works
Project Location	Pease International Tradeport
Project Type	Upgrade of Existing Facilities
Commence FY	On-Going
Priority	O (ongoing or programmatic)
Impact on Operating Budget	Negligible



Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	

**Description:** Per the Municipal Service Agreement between the City of Portsmouth and Pease Development Authority, the City shall provide Public Works Services in the Non-Airfield Area of the Pease International Tradeport. Public Works Services include maintaining and repairing roads, streets, bridges and sidewalks. On the following page are the streets and roads that are identified for improvements.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%			\$750,000		\$750,000		\$1,500,000	\$3,500,000	\$5,000,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$0	\$750,000	\$0	\$750,000	\$0	\$1,500,000	\$3,500,000	\$5,000,000

# TSM-PW-40: ROADWAY: Pease International Tradeport Roadway Rehabilitation

## PEASE INTERNATIONAL TRADEPORT

\*Street

Goose Bay Drive

Rochester Avenue

Aviation Drive

Arboretum Drive

International Drive

Miscellaneous

\*Project completion will be depend on available funds and bid results.

## TSM-FED-41: JUNKINS AVENUE

Department	Public Works
Project Location	Junkins Avenue
Project Type	Upgrade of Existing Facilities
Commence FY	2020
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – <a href="#">Bicycle and Pedestrian Plan 2014</a>	Y
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This project will be completed in conjunction with drainage and sidewalk improvements. It will incorporate ["Complete Street" Design](#) in accordance with adopted City Council Policy.

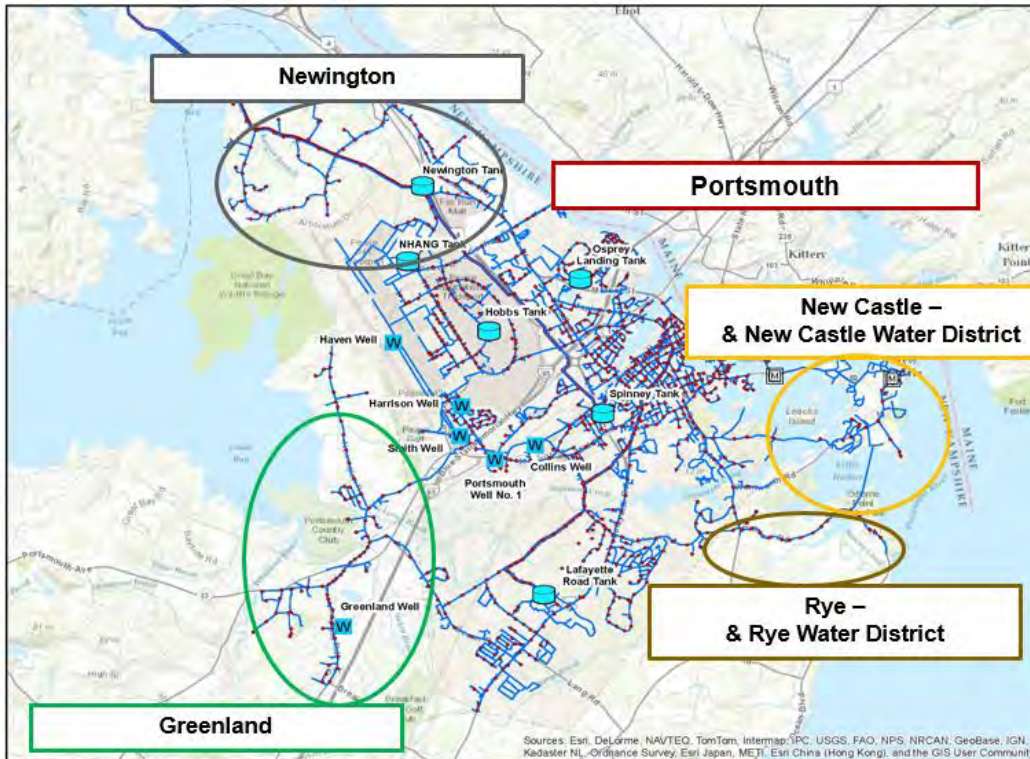
		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	12%			\$150,000				\$150,000	\$0	\$150,000
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	88%				\$1,100,000			\$1,100,000	\$0	\$1,100,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$0	\$150,000	\$1,100,000	\$0	\$0	\$1,250,000	\$0	\$1,250,000



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# V. ENTERPRISE FUNDS

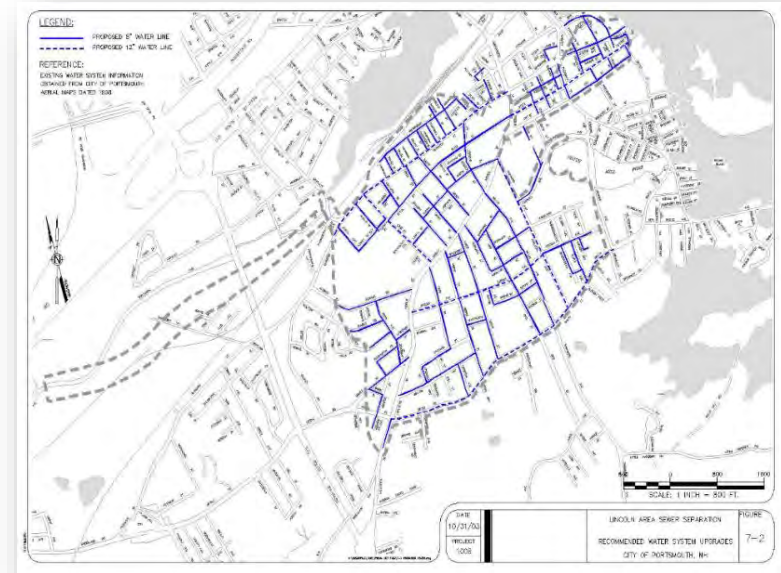
## WATER



## EF-WD-01: ANNUAL WATER LINE REPLACEMENT

Department	Public Works
Project Location	City-Wide
Project Type	Upgrade to Existing Facilities
Commence FY	On-Going
Priority	O (On-going)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – <a href="#">Water System Master Plan</a>	Y
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** The water distribution system consists of more than 150 miles of pipe. Many of the older pipes are 50 to 100 years old, undersized and at the end of their design life. Pipes are replaced programmatically as part of water specific capital projects, roadway reconstruction and prior to annual paving. This item will fund the purchase of pipe, valves and associated materials used to replace those pipes. Bond funds for large full road reconstruction projects.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	24%	\$2,500,000						\$2,500,000	\$1,650,000	\$4,150,000
Other	0%							\$0	\$0	\$0
Revenues	76%	\$250,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,750,000	\$10,090,000	\$12,840,000
PPP	0%							\$0	\$0	\$0
	Totals	\$2,750,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$5,250,000	\$11,740,000	\$16,990,000

## EF-WD-02: WELL STATIONS IMPROVEMENTS

Department	Public Works
Project Location	City-Wide
Project Type	Upgrade of Existing Facilities
Commence FY	On-going
Priority	O (ongoing or programmatic)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – <a href="#">2013 Water System Master Plan</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** The project consists of upgrades to existing well pump stations. The improvements include upgrades to premium efficiency motors, variable frequency drives and improvements to the radio telemetry SCADA system.

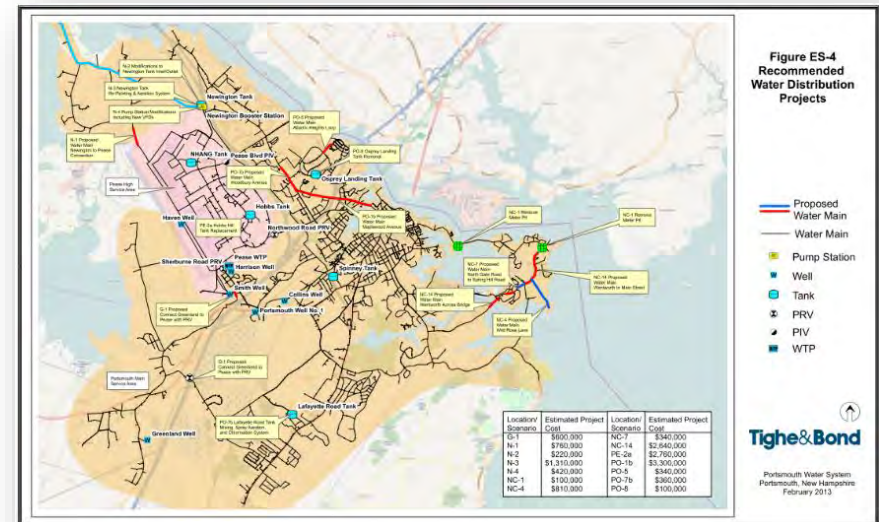
		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	0%							\$0	\$0	\$0
Other	0%							\$0	\$0	\$0
Revenues	100%	\$150,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$650,000	\$850,000	\$1,500,000
PPP	0%							\$0	\$0	\$0
	Totals	\$150,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$650,000	\$850,000	\$1,500,000



## EF-WD-03: WATER SYSTEM PRESSURE AND STORAGE IMPROVEMENTS

Department	Public Works
Project Location	City-Wide
Project Type	Upgrade of Existing Facilities
Commence FY	2017
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – <a href="#">2013 Water System Master Plan</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



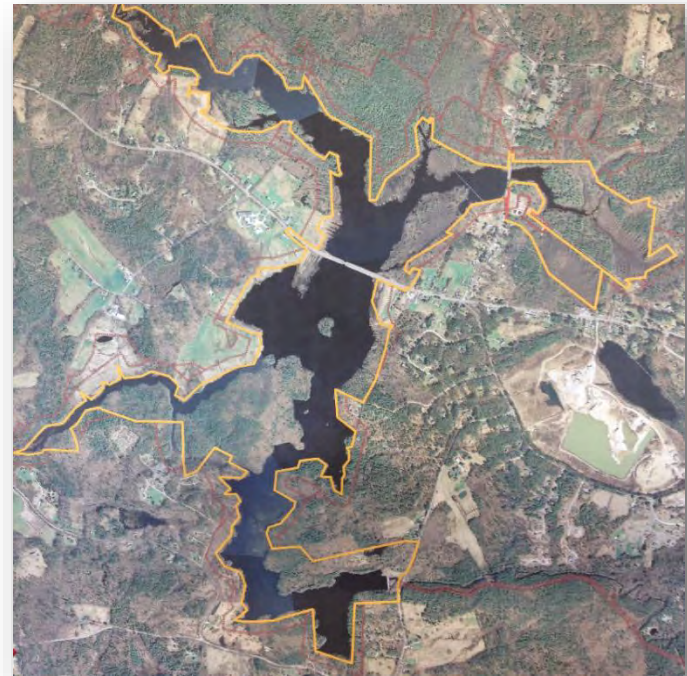
**Description:** This project consists of improvement to water mains, pumps and storage to improve water flow and pressure in the water system. Work will be performed in portions of the water system as well as sections of the system which have been identified as needing upgrades as part of the water system hydraulic model and master plan update completed in 2013 and routine updates to the water system model.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	79%							\$0	\$1,750,000	\$1,750,000
Other	0%							\$0	\$0	\$0
Revenues	21%	\$170,000						\$170,000	\$300,000	\$470,000
PPP	0%							\$0	\$0	\$0
	Totals	\$170,000	\$0	\$0	\$0	\$0	\$0	\$170,000	\$2,050,000	\$2,220,000

**EF-WD-04: RESERVOIR MANAGEMENT**

Department	Public Works
Project Location	City-Wide
Project Type	Upgrade of Existing Facilities
Commence FY	On-going
Priority	O (ongoing or programmatic)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – <a href="#">Water System Master Plan, Tighe and Bond, May 2013</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	Y
Eligible for Matching Funds with Limited Availability	



**Description:** This project consists of updating the water flow controls for the existing Bellamy reservoir, which supplies our new Madbury Surface Water Treatment Facility. An engineering analysis will determine the necessary modifications of dam controls to optimize the sustainability of the water resource.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	50%			\$500,000				\$500,000	\$0	\$500,000
Other	0%							\$0	\$0	\$0
Revenues	50%	\$100,000	\$100,000		\$100,000	\$100,000	\$100,000	\$500,000	\$0	\$500,000
PPP	0%							\$0	\$0	\$0
	Totals	\$100,000	\$100,000	\$500,000	\$100,000	\$100,000	\$100,000	\$1,000,000	\$0	\$1,000,000



**EF-WD-05: MADBURY WELL 5**

Department	Public Works
Project Location	City-Wide
Project Type	Construction or expansion of a new public facility, street or utility
Commence FY	2019
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – <a href="#">Water System Master Plan, Tighe and Bond, May 2013</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	Y
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** The project consists of construction a well building to house meters, controls, valving and chemical feed equipment for the connection of the newly installed Well 5 to the transmission main from Madbury.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	91%			\$500,000				\$500,000	\$0	\$500,000
Other	0%							\$0	\$0	\$0
Revenues	9%		\$50,000					\$50,000	\$0	\$50,000
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$50,000	\$500,000	\$0	\$0	\$0	\$550,000	\$0	\$550,000

**EF-WD-06: NEW GROUNDWATER SOURCE**

Department	Public Works
Project Location	City-Wide
Project Type	Construction or expansion of a new public facility, street or utility
Commence FY	2018
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – <a href="#">Water System Master Plan, Tighe and Bond, May 2013</a>	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	Y
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This project consists of constructing, permitting and connecting a new groundwater supply well into the Portsmouth water system. This project is important to ensure long-term sustainability of the water supply and provide additional capacity to buffer potential impacts of unforeseen conditions.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	86%			\$2,500,000				\$2,500,000	\$0	\$2,500,000
Other	0%							\$0	\$0	\$0
Revenues	14%	\$200,000	\$200,000					\$400,000	\$0	\$400,000
PPP	0%							\$0	\$0	\$0
	Totals	\$200,000	\$200,000	\$2,500,000	\$0	\$0	\$0	\$2,900,000	\$0	\$2,900,000

**EF-WD-07: PLEASANT STREET WATER MAINS**

Department	Public Works
Project Location	City-Wide
Project Type	Rehabilitation of a Facility
Commence FY	2018
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	Y
Eligible for Matching Funds with Limited Availability	



**Description:** This project consists of Reconstruction of Pleasant Street water mains from Court Street to Marcy Street.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%	\$600,000						\$600,000	\$0	\$600,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$600,000	\$0	\$0	\$0	\$0	\$0	\$600,000	\$0	\$600,000



**EF-WD-08: WATER TRANSMISSION MAIN REPLACEMENT**

Department	Public Works
Project Location	City-Wide
Project Type	Rehabilitation of a Facility
Commence FY	2018
Priority	A (needed within 0 to # years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – Transmission Main Study, Stantec 2016 (Draft)	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	Y
Eligible for Matching Funds with Limited Availability	

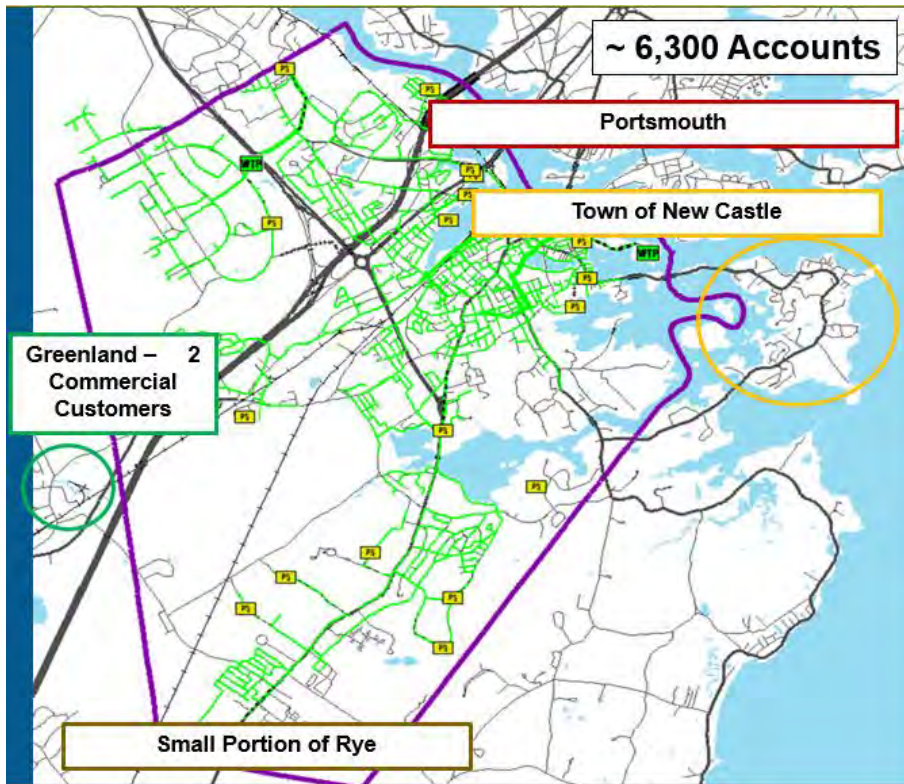


**Description:** This project consists of design and construction of water transmission mains beneath Little Bay to replace existing mains. Preliminary investigations of the existing water mains and valves have identified degraded conditions. Due to the importance of this water main, this project is necessary to ensure water is continuously supplied from Madbury to Portsmouth and service is not disrupted.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	96%				\$5,500,000			\$5,500,000	\$0	\$5,500,000
Other	0%							\$0	\$0	\$0
Revenues	4%	\$250,000						\$250,000	\$0	\$250,000
PPP	0%							\$0	\$0	\$0
	Totals	\$250,000	\$0	\$0	\$5,500,000	\$0	\$0	\$5,750,000	\$0	\$5,750,000

# V. ENTERPRISE FUNDS

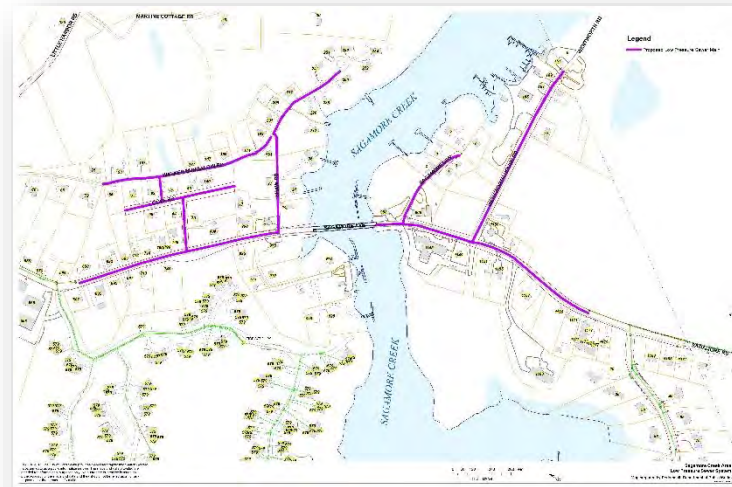
## SEWER



## EF-SD-01: CONSENT DECREE MITIGATION

Department	Public Works
Project Location	Various
Project Type	Other (Explained Below)
Commence FY	2018
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	Y
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	Y
Eligible for Matching Funds with Limited Availability	



**Description:** The City of Portsmouth entered into a Consent Decree with the Environmental Protection Agency in 2009. The City moved forward with the requirements of the Consent Decree and had to modify the final schedule for the required expansion of the Peirce Island Wastewater Treatment Facility. As a result of this modification, the City committed to certain projects. The capital type projects include implementing a \$500,000 green infrastructure stormwater project and construction of a low pressure sewer system on Sagamore Avenue north and south of Sagamore Creek and will be funded with this item.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	87%	\$400,000		\$2,500,000				\$2,900,000	\$4,500,000	\$7,400,000
Other	0%							\$0	\$0	\$0
Revenues	13%	\$100,000	\$400,000					\$500,000	\$650,000	\$1,150,000
PPP	0%							\$0	\$0	\$0
	Totals	\$500,000	\$400,000	\$2,500,000	\$0	\$0	\$0	\$3,400,000	\$5,150,000	\$8,550,000



## EF-SD-02: PEIRCE ISLAND WASTEWATER TREATMENT DESIGN AND CONSTRUCTION

Department	Public Works
Project Location	Peirce Island WWTP
Project Type	Upgrade of Existing Facilities
Commence FY	2017
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	High

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – <a href="#">Consent Decree</a>	Y
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	Y
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	Y
Eligible for Matching Funds with Limited Availability	



**Description:** The construction of the new wastewater treatment facility at Peirce Island is underway. The project will bring the city into compliance with treatment standards as required by the EPA and will also remove nitrogen. The construction was awarded through previous years funding. These costs cover additional funds for construction contingency and construction engineering for the new treatment plant.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	100%	\$3,500,000	\$2,300,000	\$1,100,000				\$6,900,000	\$85,000,000	\$91,900,000
Other	0%							\$0	\$0	\$0
Revenues	0%							\$0	\$0	\$0
PPP	0%							\$0	\$0	\$0
	Totals	\$3,500,000	\$2,300,000	\$1,100,000	\$0	\$0	\$0	\$6,900,000	\$85,000,000	\$91,900,000

**EF-SD-03: PEASE WASTEWATER TREATMENT FACILITY**

Department	Public Works
Project Location	Pease WWTF at Corporate Dr
Project Type	Upgrade of Existing Facilities
Commence FY	2017
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	High

Evaluation Criteria	Satisfy
Identified in Planning Document or Study – <a href="#">Pease WWTF Evaluation, Underwood Engineers, Jan 2014 (Draft)</a>	Y
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	Y
Eligible for Matching Funds with Limited Availability	



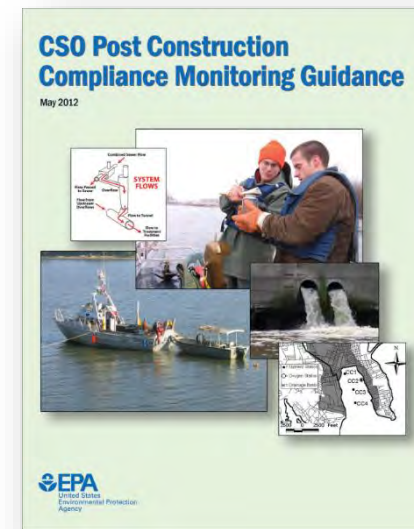
**Description:** This project addresses capital needs at the Pease Wastewater Treatment Facility (WWTF). Parts of this plant date back to the original 1950s construction and are beyond their useful life. Design of an upgrade of the Headworks at the WWTF is ongoing with previous years' funding. These costs are for upgrades to the aging facility and to meet anticipated new NPDES permit limits. The City continues to work with Industrial Users to address upgrades necessary to meet their capacity needs. The schedule, scope and costs of this work will be coordinated with the industries that discharge to the WWTF.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	93%	\$550,000	\$7,200,000					\$7,750,000	\$4,500,000	\$12,250,000
Other	0%							\$0	\$0	\$0
Revenues	7%	\$250,000						\$250,000	\$650,000	\$900,000
PPP	0%							\$0	\$0	\$0
	Totals	\$800,000	\$7,200,000	\$0	\$0	\$0	\$0	\$8,000,000	\$5,150,000	\$13,150,000

## EF-SD-04: LONG TERM CONTROL PLAN RELATED PROJECTS

Department	Public Works
Project Location	City-Wide
Project Type	Rehabilitation of a Facility
Commence FY	Ongoing
Priority	O (ongoing or programmatic)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study - <a href="#">Infiltration and Inflow Study</a> & <a href="#">Post Construction Monitoring Plan</a>	Y
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	Y
Eligible for Matching Funds with Limited Availability	

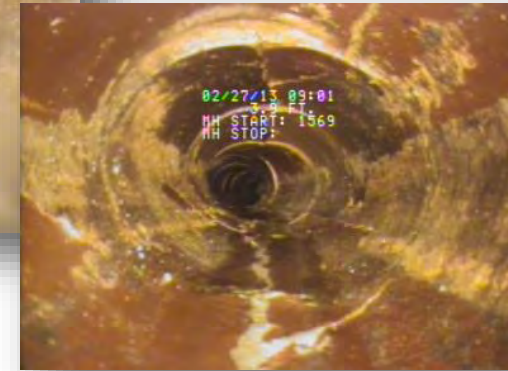
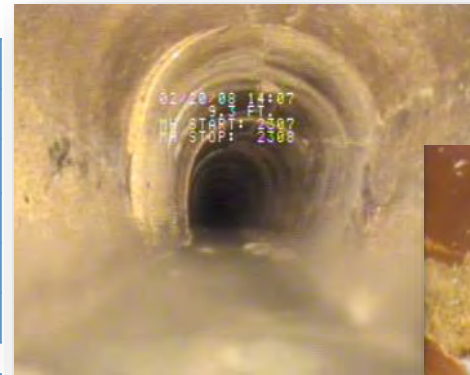


**Description:** The City has a combined sewer collection system and is required by the Environmental Protection Agency to implement a Long Term Control Plan to reduce and otherwise mitigate combined sewer overflows. This project includes the costs for study, design and construction of these projects. Projects may include the Post Construction Monitoring Plan for the Lincoln Area, infiltration and inflow identification and removal, sump pump removal programs, additional sewer separation, combined sewage storage or treatment, or other mitigations projects.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	70%			\$3,000,000				\$3,000,000	\$0	\$3,000,000
Other	0%							\$0	\$0	\$0
Revenues	30%	\$200,000	\$300,000					\$500,000	\$800,000	\$1,300,000
PPP	0%							\$0	\$0	\$0
	Totals	\$200,000	\$300,000	\$3,000,000	\$0	\$0	\$0	\$3,500,000	\$800,000	\$4,300,000

**EF-SD-05: ANNUAL SEWER LINE REPLACEMENT**

Department	Public Works
Project Location	City-Wide
Project Type	Upgrade of Existing Facilities
Commence FY	On Going
Priority	O (Ongoing or Programmatic)
Impact on Operating Budget	Negligible



Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	

**Description:** The wastewater collection system consists of more than one-hundred (100) miles of pipe. Many of the older pipes are fifty (50) to one-hundred (100) years old, undersized and at the end of their design life. Pipes are replaced programmatically as part of sewer specific capital projects, roadway reconstruction and prior to annual paving. This item will fund the purchase of pipes and associated materials used to replace those pipes. Bond funds are for the large full road reconstruction type projects.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	44%	\$3,000,000						\$3,000,000	\$2,500,000	\$5,500,000
Other	0%							\$0	\$0	\$0
Revenues	56%	\$250,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,750,000	\$4,250,000	\$7,000,000
PPP	0%							\$0	\$0	\$0
	Totals	\$3,250,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$5,750,000	\$6,750,000	\$12,500,000

**EF-SD-06: WASTEWATER PUMPING STATION IMPROVEMENTS**

Department	Public Works
Project Location	City-Wide
Project Type	Rehabilitation of Existing Facility
Commence FY	Ongoing
Priority	O (ongoing or programmatic)
Impact on Operating Budget	Negligible



Evaluation Criteria	Satisfy
Identified in Planning Document or Study: Conceptual Opinion of Cost Heritage Avenue Pumping Station (in development)	Y
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	

**Description:** The City owns and operates twenty (20) wastewater pumping stations. The projected life span of a pumping station is twenty (20) years. This project plans for the replacement or major rehabilitation of the pumping stations that have not been included as separate projects. The next pumping station to be addressed under this project is the Heritage Avenue pumping station.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	91%	\$700,000		\$400,000		\$400,000		\$1,500,000	\$3,900,000	\$5,400,000
Other	0%							\$0	\$0	\$0
Revenues	9%		\$100,000		\$100,000		\$100,000	\$300,000	\$250,000	\$550,000
PPP	0%							\$0	\$0	\$0
	Totals	\$700,000	\$100,000	\$400,000	\$100,000	\$400,000	\$100,000	\$1,800,000	\$4,150,000	\$5,950,000



**EF-SD-07: MECHANIC STREET PUMPING STATION UPGRADE**

Department	Public Works
Project Location	113 Mechanic Street
Project Type	Upgrade of Existing Facilities
Commence FY	2021
Priority	B (needed within 4 to 6 years)
Impact on Operating Budget	Reduce

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This pumping station project would include a comprehensive upgrade to the City's largest pumping station to improve its operation and efficiency. The City purchased the adjacent property and will be working on a site master plan for the area from the pump station to Peirce Island Road. The site master plan will be a public process and will address the park, pump station and access to the water in this area. The new pump station will take into consideration the site use and improve the station's esthetic to reduce impact to the neighborhood.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	88%				\$1,500,000	\$8,000,000		\$9,500,000	\$0	\$9,500,000
Other	0%							\$0	\$0	\$0
Revenues	12%				\$500,000			\$500,000	\$800,000	\$1,300,000
PPP	0%							\$0	\$0	\$0
	Totals	\$0	\$0	\$0	\$2,000,000	\$8,000,000	\$0	\$10,000,000	\$800,000	\$10,800,000



**EF-SD-08: UNION STREET SEWER CONSTRUCTION**

Department	Public Works
Project Location	Union Street from State St to Middle St
Project Type	Rehabilitation of Existing Facilities
Commence FY	2017
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Reduce

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	Y
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** This section of Union Street from Middle Street to State Street is in poor condition and in need of full reconstruction, streetscape improvements and full utility replacement. This will include separating the combined sewer in the area. The costs of this project will be shared with the Highway Division and Water Division of Public Works.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	72%	\$700,000						\$700,000	\$0	\$700,000
Other	0%							\$0	\$0	\$0
Revenues	28%							\$0	\$275,000	\$275,000
PPP	0%							\$0	\$0	\$0
	Totals	\$700,000	\$0	\$0	\$0	\$0	\$0	\$700,000	\$275,000	\$975,000

**EF-SD-09: PLEASANT STREET SEWERS**

Department	Public Works
Project Location	Pleasant Street (from Court Street to Marcy Street)
Project Type	Rehabilitation of a Facility
Commence FY	2018
Priority	A (needed within 0 to 3 years)
Impact on Operating Budget	Negligible

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	
Improves Quality of Existing Services	
Provides Added Capacity to Existing Services	
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	
Alleviates Substandard Conditions or Deficiencies	Y
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	Y
Eligible for Matching Funds with Limited Availability	



**Description:** This project funds the reconstruction of Pleasant Street sanitary sewers from Court Street to Marcy Street.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	35%	\$150,000						\$150,000	\$0	\$150,000
Other	0%							\$0	\$0	\$0
Revenues	65%							\$0	\$275,000	\$275,000
PPP	0%							\$0	\$0	\$0
	Totals	\$150,000	\$0	\$0	\$0	\$0	\$0	\$150,000	\$275,000	\$425,000

**EF-SD-10: REGIONAL DIGESTER FACILITY AT PEASE WWTF**

Department	Public Works
Project Location	Pease WWTF
Project Type	Construction or Expansion of a public facility
Commence FY	2019
Priority	C (Can be placed on hold for after 6 years)
Impact on Operating Budget	Reduce

Evaluation Criteria	Satisfy
Identified in Planning Document or Study	Y
Improves Quality of Existing Services	Y
Provides Added Capacity to Existing Services	Y
Addresses Public Health or Safety Need	
Reduces Long-Term Operating Costs	Y
Alleviates Substandard Conditions or Deficiencies	
Provides Incentive to Economic Development	
Responds to Federal or State Requirement	
Eligible for Matching Funds with Limited Availability	



**Description:** Construction of a regional anaerobic digester facility for stabilizing sewage sludges, food wastes, and fats, oils, and greases. The facility would reduce sewer operating costs for sewage sludge disposal and potentially generate revenues through tipping fees and cogeneration of electricity. Costs for construction, operation and maintenance may be shared utilizing a public private partnership. A feasibility study is necessary to determine sizing, capital and operational costs, regional participation, private partnership participation and modifications that would be necessary at the Pease WWTF for this project.

		FY18	FY19	FY20	FY21	FY22	FY23	Totals 18-23	6 PY's Funding	Totals
GF	0%							\$0	\$0	\$0
Fed/ State	0%							\$0	\$0	\$0
Bond/ Lease	98%			\$1,200,000		\$16,500,000		\$17,700,000	\$0	\$17,700,000
Other	0%							\$0	\$0	\$0
Revenues	2%	\$50,000		\$300,000				\$350,000	\$0	\$350,000
PPP	0%							\$0	\$0	\$0
	Totals	\$50,000	\$0	\$1,500,000	\$0	\$16,500,000	\$0	\$18,050,000	\$0	\$18,050,000

# Appendix I. Citizen CIP Project Suggestions



Location	Type	Description	Submitter	Submitter Address	Staff Comment
Andrew Jarvis (Intersection of Andrew Jarvis Drive and Lafayette Road)	New Construction	Add new traffic signal	Stephen Bergeron	199 Wibird Street	This is being put forward as a new CIP project for FY18.
Elwyn Road	New Construction	Install safe bike and pedestrian path along road	Christine Groleau	30 Oakwood Drive	This is being put forward as a new CIP project for FY18.
Goodwin Park	New Construction	Update / install new lighting for Park	Tom Waterman	43 Cornwall Street	Recommend addressing through the CIP project for parks and playgrounds, which is an ongoing item in the CIP.
Haven Park	Rehabilitation of a Facility	Park path improvements and lighting	Mary Cline	395 Pleasant Street	Recommend addressing through the CIP project for parks and playgrounds, which is an ongoing item in the CIP.
Madison Street (between State Street and Austin Street)	New Construction	Install curbs and sidewalks, plant street trees	Lee Frank	169 Madison Street	Recommend that the sidewalk and street trees get held for consideration in the future, should any redevelopment of these properties occur. At present, there is a sidewalk on the other side of the street in this section. Traffic calming concerns can be evaluated through the Neighborhood Traffic Calming Program process, which we have recently started.
Manning Street (18)	New Construction	Reconstruct curbing and build sidewalk in front of 18 Manning St	Judith L. Hiller	18 Manning Street	Staff is not recommending this project at this time.
Mark Street	New Construction	Repave street	Jason Jenkins	35 Mark Street	Recommend addressing through the City's street paving, management, and rehabilitation program.
Parrot/ Rogers Street	Rehabilitation of a Facility	Reduce of corner radius at the intersection of Parrot and Rogers Street to slow traffic speeds	Jason Jenkins	35 Mark Street	Recommend evaluating through the City's Neighborhood Traffic Calming Program process.
Penhallow St (126-128)	Rehabilitation of a Facility	Repair / regrade brick sidewalk in front of property	Cynthia & Everett Barnes	136 High Street, Exeter, NH	Recommend addressing through the City's annual sidewalk improvement program.
Pleasant Street	Rehabilitation of a Facility	Repair/ replace sidewalks, improve street lighting, re-surface road, improve drainage	Mary Cline	395 Pleasant Street	This is being put forward as a new CIP project for FY18.
Sagamore Ave (Approx #1163 to Odiome Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Don and Judy Albertson	345 Odiome Point Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiome Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	William Cassidy	180 Odiome Point Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiome Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	William Cassidy (duplicate)	180 Odiome Point Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiome Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Michael and Gail Clark	175 Gosport Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiome Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Jeff Londres	340 Odiome Point Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiome Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Carolyn Mannering	340 Odiome Point Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiome Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Chiran and Jan Jayartne	101 Gosport Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiome Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Michael and Lynn Marsh	69 Gosport Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.

Location	Type	Description	Submitter	Submitter Address	Staff Comment
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Richard Lyons	92 Gosport Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Joan Lyons	92 Gosport Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Carla Henderson	205 Odiorne Point Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Nancy and Zachary Slater	101 Odiorne Point Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Rebecca Spencer and Shawn Kulikowski	149 Odiorne Point Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Don and Joyce Marchand	63 Odiorne Point Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Jack and Rosemary Gardner	50 Odiorne Point Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Janis Timerman	55 Gosport Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Michael and Donna Glodziak	68 Odiorne Point Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Angie and Michael Bloom	34 Gosport Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Keith Orr	260 Odiorne Point Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Kelly Orr	260 Odiorne Point Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Lee Horgan	148 Gosport Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	William and Susan Riffer	163 Odiorne Point Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Ashlie and Tim Peters	104 Odiorne Point Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Erica and Joshua Greenspan	193 Odiorne Point Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Alexandra Heidinger	81 Gosport Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Daniela and Chris O'Neill	199 Gosport Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Kevin and Julie McCana	210 Odiorne Point Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Michael and Julie Bean	236 Gosport Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Ron and Nancy Polind	166 Gosport Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Gricel Goodman	120 Gosport Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.



Location	Type	Description	Submitter	Submitter Address	Staff Comment
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Kevin and Vergie Clover	20 Odiorne Point Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Kate Hester Siler	75 Odiorne Point Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Susan Stevens	43 Gosport Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Mildre and Joseph Errico	154 Gosport Road	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore Ave (Approx #1163 to Odiorne Point Road Intersection)	New Construction	Extend sidewalk to Tuckers Cove neighborhood	Joyce and John O'Reilly	119 Gosport Ave.	Recommend holding for future CIP project, will require coordination and permission from NHDOT.
Sagamore (from 150' south of little Harbor Road to Shaw Road including)	Rehabilitation of a Facility	Reconstruction of Sagamore Ave road and sidewalks from south of Little Harbor Road to Shaw Road	Board of Directors Tidewatch Condominium Association	579 Sagamore Avenue, Units #1 through #122	Recommend holding this project for future consideration as a CIP project. Sidewalk issues may be addressed through the annual sidewalk program.
Sherburne School to Borthwick Avenue	Rehabilitation of a Facility	Replacement of sidewalk with concrete and curbing	Manuel S. Garganta	471 Colonial Drive	Recommend addressing through the City's annual sidewalk improvement program.
Spinney Road (Esastern Side)	New Construction	Add new sidewalk from Islington street to Middle Road	Robert Patterson	180 Spinney Road	This is an existing CIP project.
Willard Ave	Rehabilitation of a Facility	Complete road and sidewalk reconstruction and address odors	Rhiis Buswell, Rachel Minnihan and Patrick Minnihan	150 Willard Avenue	Recommend addressing through the City's annual sewer line replacement and sidewalk program.
Willard Ave	Rehabilitation of a Facility	Complete road improvements, sidewalk repairs, improve drainage	William Collins	111 Willard Avenue	Recommend addressing through the City's annual sewer line replacement and sidewalk program.
Willard Ave	Rehabilitation of a Facility		Patricia Edwards	23 Willard Ave	Recommend addressing through the City's annual sewer line replacement and sidewalk program.
Willard Ave	Rehabilitation of a Facility	Sidewalk repairs, improve drainage	Curtis and Julianne Johnson	192 Willard Ave	Recommend addressing through the City's annual sewer line replacement and sidewalk program.
Willard Ave	Rehabilitation of a Facility	Sidewalk repairs, improve drainage	Deborah Luff and David Luff	97 Ash Street	Recommend addressing through the City's annual sewer line replacement and sidewalk program.
Willard Ave	Rehabilitation of a Facility	Sidewalk repairs, improve drainage	Tim Malinowski	91 Lafayette Road	Recommend addressing through the City's annual sewer line replacement and sidewalk program.
Willard Ave	Rehabilitation of a Facility	Completion of Willard Ave sidewalk and sewer project	John and Denise Pettigrew	67 Willard Avenue	Recommend addressing through the City's annual sewer line replacement and sidewalk program.
Willard Ave	Rehabilitation of a Facility	Complete road and sidewalk reconstruction, address drainage and odors	Brian and Martha Ratay	139 Willard Avenue	Recommend addressing through the City's annual sewer line replacement and sidewalk program.
Willard Ave (Between Marsten and Lafayette)	Rehabilitation of a Facility	Sidewalk repairs	Thomas Silverman	171 Willard Avenue	Recommend addressing through the City's annual sewer line replacement and sidewalk program.
Willard Avenue	Rehabilitation of a Facility	Completion of Willard Ave sidewalk and sewer project	Kevin and Jill Underwood	238 Willard Avenue	Recommend addressing through the City's annual sewer line replacement and sidewalk program.

# Appendix II. NHDOT Portsmouth Projects



# NHDOT Portsmouth Projects

NHDOT Project #	Route/Road	Program / Category	Scope	Funding Years*	Total State/Fed Funding*	Reference Document**
15731	US 1 Bypass (Sarah Mildred Long Bridge)	Red List Bridge	Bridge Replacement, US 1 Bypass over Piscataqua River	2017-2019	\$ 208,345,546	State Transportation Improvement Program 2017-2020 Update
16189	I-95 Bridge (High Level Bridge)	Bridges	Rehabilitation of Bridge over Piscataqua River	2018-2019	\$ 8,104,888	State Transportation Improvement Program 2017-2020 Update
13455D	US 1 Bypass (Woodbury Ave & Stark St Bridges)	Red List Bridge	Replace Woodbury Ave and Stark St bridges over Bypass	2021	\$ 7,860,534	State Ten Year Transportation Improvement Plan 2017 - 2026
20258	Peverly Hill Rd	CMAQ	See CIP project description	2017	\$ 441,830	State Transportation Improvement Program 2017-2020 Update
27690	US 1 Bypass (Culvert of Hodgson Brook)	Red List Bridge	Culvert replacement at Hodgson Brook Bridge # 192/106	2018-2019	\$ 4,202,253	State Transportation Improvement Program 2017-2020 Update
29640	US Route 1 road improvements	Highway	Road improvements from Constitution to Wilson and from Ocean to White Cedar Blvd	2017-2020	\$ 9,067,840	State Transportation Improvement Program 2017-2020 Update
40642	Maplewood Ave Complete Street	Highway	See CIP project description (Fed funding is 80% of project costs)	2022-2025	\$ 655,334	State Ten Year Transportation Improvement Plan 2017 - 2026
26485	Hampton Branch Rail Corridor (Hampton to Portsmouth)	CMAQ	Purchase rail corridor from Hampton to Portsmouth and improve trail surface.	2017	\$ 4,464,374	State Transportation Improvement Program 2015-2018 Update
28757	Lafayette Rd / Middle St Bicycle Lanes	SRTS	See CIP description	2017	\$ 88,534	State Ten Year Transportation Improvement Plan 2017 - 2026 and local agreement
40562	Portsmouth International Airport	Airport	Preservation, modernization, and/or expansion of airport facilities; planning studies.	2017-2026	\$ 52,362,778	State Ten Year Transportation Improvement Plan 2017 - 2026
29781	Woodbury Ave, Market St, Granite St	CMAQ	Upgrade 5 existing signals	2015-2017	\$ 516,142	State Transportation Improvement Program 2017-2020 Update
40644	Market St Railroad Crossing	CMAQ	Upgrade railroad crossing	2033-2026	\$ 997,115	State Ten Year Transportation Improvement Plan 2017 - 2026
27898	Railroad crossings at Barberry Lane, Gosling Rd, Green St, Michael Succi Dr, Maplewood Ave	HSIP	Reconstruct 5 railroad crossings	2017-2018	\$ 1,257,900	Local commitment agreement

\*Projects may have been funded in prior years. Total funding includes prior years as well. Total funding does not include local match portion (if applicable).

\*\*NHDOT prepares updates to the State Ten Year Transportation Improvement Plan (STYP) every two years.

The STYP outlines planned projects and programs funded with Federal and State transportation dollars for the next 10 years.

The Statewide Transportation Improvement Program (STIP) is the four-year state project listing for federally-funded projects.

# Appendix III. Studies Listed within the CIP



# Appendix III. Studies Listed within the CIP

1. Banfield Road Conceptual Design & Master Plan Summary (in development)
2. [Bicycle and Pedestrian Plan 2014](#)
3. [Blue Ribbon Committee on Sagamore Creek Land](#)
4. [Cemetery Existing Conditions Assessment and Restoration Plan \(2013\)](#)
5. [Comprehensive Recreation Needs Study 2010](#)
6. Conceptual Opinion of Cost Heritage Avenue Pumping Station (in development)
7. [Consent Decree Second Modification](#)
8. Facilities Needs Evaluations
9. [Final Report – Blue Ribbon Senior Committee](#)
10. Goodman Report on the Survey of the Municipally Owned Historic Artifacts and Documents in Portsmouth, New Hampshire
11. Hazard Mitigation Plan
12. [Infiltration and Inflow Study](#)
13. [Islington Street Improvement Action Plan \(2009\)](#)
14. Local Emergency Operations Plan
15. Maplewood Ave Feasibility Needs Study (in development)
16. [Master Plan 2005](#)
17. [Pavement Conditions Index](#)
18. [Pease WWTF Evaluation, Underwood Engineers, Jan 2014 \(Draft\)](#)
19. Peirce Island Bridge Study (in development)
20. [Peirce Island Master Plan 1999](#)
21. [Police Department Facility Study](#)
22. [Post Construction Monitoring Plan](#)
23. [Public Undeveloped Lands Assessment 2010](#)
24. [Comprehensive Recreation Needs Study \(2010\)](#)
25. [Sidewalk Conditions Index 2015](#)
26. [Stormwater Master Plan](#)
27. [Structural Evaluation, Walker, 2015](#)
28. Transmission Main Study, Stantec 2016 (Draft)
29. [Water System Master Plan \(2013\)](#)
30. [Wayfinding Analysis 2014](#)
31. [Woodbury Avenue Corridor Study \(Draft\)](#)

# Appendix IV. Historic Document Restoration Index





Doc. Location	Item Inventory Number	Item Description/ Title	Book Year(s)	Restoration Notes	Conservation Cost (with rebinding)	35mm security film	scan to CD (PDF)	Shipping	Total (With Rebinding)
Sey. Bsmnt	1097	Final tax list	1800	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 1,650.00
CC Vault		Town Records Vol. 4, 1807-1821	1807	Mylar, option	\$ 2,706.00	\$ 280.00	\$ 280.00	\$ 30.00	\$ 3,296.00
CC Vault		Town Records Vol. 4, 1807-1821 (DUP)	1807	sewn option	\$ 2,327.00				\$ 2,327.00
S301	0842	Supplies to poor by Ward	1808	Mylar, 1 vol.	\$ 1,000.00	\$ 125.00	\$ 125.00	\$ 15.00	\$ 1,265.00
Sey. Bsmnt	1171	Cash Accounts	1810	Mylar, 1 vol.	\$ 750.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 965.00
CC Vault		Town Records Vol. 5, 1821-1833	1821	sewn	\$ 2,192.00	\$ 305.00	\$ 305.00	\$ 30.00	\$ 2,832.00
Sey. Bsmnt	1040	Final tax list	1825	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
CC Vault		Selectmen's Records 1825-1849	1825	Mylar, 2 vols.	\$ 2,454.00	\$ 255.00	\$ 255.00	\$ 60.00	\$ 3,024.00
Sey. Bsmnt	1041	Final tax list	1826	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
Sey. Bsmnt	1039	Final tax list	1827	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
Sey. Bsmnt	1043	Final tax list	1828	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
Sey. Bsmnt	1044	Final tax list	1829	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
S301		Valuation Book 1829	1829		\$ 1,100.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 1,315.00
Sey. Bsmnt	1057	Final tax list	1830	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
Sey. Bsmnt	1058	Final tax list	1831	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
Sey. Bsmnt	1046	Final tax list	1832	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
Sey. Bsmnt	1047	Final tax list	1833	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
CC Vault		Town Records Vol. 6, 1833-1844	1833	sewn	\$ 2,641.00	\$ 365.00	\$ 365.00	\$ 30.00	\$ 3,401.00
Sey. Bsmnt	1052	Final tax list	1834	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
Sey. Bsmnt	1051	Final tax list	1835	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
Sey. Bsmnt	1049	Final tax list	1836	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
Sey. Bsmnt	1053	Final tax list	1836	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
Sey. Bsmnt	1048	Final tax list	1837	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
Sey. Bsmnt	1061	Final tax list	1838	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00

Doc. Location	Item Inventory Number	Item Description/ Title	Book Year(s)	Restoration Notes	Conservation Cost (with rebinding)	35mm security film	scan to CD (PDF)	Shipping	Total (With Rebinding)
Sey. Bsmnt	1050	Final tax list	1839	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
CC Vault		Naturalization Papers c. 1840's - 1920's	1840	Mylcar, 1 vol.	\$ 1,390.00	\$ 180.00	\$ 180.00	\$ 30.00	\$ 1,780.00
Sey. Bsmnt	1054	Final tax list	1841	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
Sey. Bsmnt	1056	Final tax list	1842	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
CC Vault		Marriages 1842-1879	1842	sewn	\$ 1,526.00	\$ 230.00	\$ 230.00	\$ 30.00	\$ 2,016.00
Sey. Bsmnt	1065	Final tax list	1843	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
Sey. Bsmnt	1067	Final tax list	1843	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
Sey. Bsmnt	1060	Final tax list	1844	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
CC Vault		Town Records Vol. 7, 1844-1849	1844	sewn	\$ 1,938.00	\$ 280.00	\$ 280.00	\$ 30.00	\$ 2,528.00
Sey. Bsmnt	1055	Final tax list	1845	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
Sey. Bsmnt	1064	Final tax list	1846	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
Sey. Bsmnt	1042	Final tax list	1847	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
Sey. Bsmnt	1066	Final tax list	1847	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
CC Vault		Selectmen's Records 1848	1848	Mylar, 1 vol.	\$ 858.00	\$ 155.00	\$ 155.00	\$ 30.00	\$ 1,198.00
Sey. Bsmnt	1173	Bills Approved	1850	Mylar, 1 vol.	\$ 840.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 1,055.00
CC Vault		City Records Vol. 1, 1850-1853	1850	sewn	\$ 2,504.00	\$ 345.00	\$ 345.00	\$ 30.00	\$ 3,224.00
Sey. Bsmnt	1074	Final tax list	1850	sew	\$ 1,225.00	\$ 160.00	\$ 160.00	\$ 15.00	\$ 1,560.00
CC Vault		Ordinances Vol. 1, 1850-1874	1850	sewn	\$ 1,538.00	\$ 205.00	\$ 205.00	\$ 30.00	\$ 1,978.00
Sey. Bsmnt	1073	Final tax list	1851	sew	\$ 1,225.00	\$ 160.00	\$ 160.00	\$ 15.00	\$ 1,560.00
Sey. Bsmnt	1070	Final tax list	1852	sew	\$ 1,225.00	\$ 160.00	\$ 160.00	\$ 15.00	\$ 1,560.00
Sey. Bsmnt	1068	Final tax list	1853	sew	\$ 1,225.00	\$ 160.00	\$ 160.00	\$ 15.00	\$ 1,560.00
CC Vault		Folsom Births 1853-1890	1853	sewn	\$ 700.00	\$ 155.00	\$ 155.00	\$ 30.00	\$ 1,040.00
CC Vault		City Records vol. 2, 1854-1859	1854	sewn	\$ 2,284.00	\$ 315.00	\$ 315.00	\$ 30.00	\$ 2,944.00
Sey. Bsmnt	1062	Final tax list	1854	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
Sey. Bsmnt	1069	Final tax list	1855	sew	\$ 1,225.00	\$ 160.00	\$ 160.00	\$ 15.00	\$ 1,560.00

Doc. Location	Item Inventory Number	Item Description/ Title	Book Year(s)	Restoration Notes	Conservation Cost (with rebinding)	35mm security film	scan to CD (PDF)	Shipping	Total (With Rebinding)
CC Vault		City Records Vol. 3, 1856-1864	1856	sewn	\$ 2,149.00	\$ 305.00	\$ 305.00	\$ 30.00	\$ 2,789.00
Sey. Bsmnt	1072	Final tax list	1858	sew	\$ 1,225.00	\$ 160.00	\$ 160.00	\$ 15.00	\$ 1,560.00
Sey. Bsmnt	1080	Final tax list	1859	sew	\$ 1,225.00	\$ 160.00	\$ 160.00	\$ 15.00	\$ 1,560.00
Sey. Bsmnt	1172	Accounts	1861	Mylar, 1 vol.	\$ 750.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 965.00
Sey. Bsmnt	1081	Final tax list	1861	sew	\$ 1,220.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,535.00
Sey. Bsmnt	1078	Final tax list	1862	sew	\$ 1,225.00	\$ 160.00	\$ 160.00	\$ 15.00	\$ 1,560.00
S301	0853	Index of people who received public funds	1862	sew	\$ 750.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 965.00
Sey. Bsmnt	1077	Final tax list	1863	sew	\$ 1,225.00	\$ 160.00	\$ 160.00	\$ 15.00	\$ 1,560.00
CC Vault		City Records Vol 4, 1864-1866	1864	sewn	\$ 2,064.00	\$ 305.00	\$ 305.00	\$ 30.00	\$ 2,704.00
Sey. Bsmnt	1084	Final tax list	1864	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 1,650.00
Sey. Bsmnt	1082	Final tax list	1865	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 1,650.00
Sey. Bsmnt	1079	Final tax list	1866	sew	\$ 1,225.00	\$ 160.00	\$ 160.00	\$ 15.00	\$ 1,560.00
Sey. Bsmnt	1076	Final tax list	1867	sew	\$ 1,225.00	\$ 160.00	\$ 160.00	\$ 15.00	\$ 1,560.00
CC Vault		City Records Vol 5, 1868-1878	1868	sewn	\$ 2,006.00	\$ 305.00	\$ 305.00	\$ 30.00	\$ 2,646.00
Sey. Bsmnt	1075	Final tax list	1868	sew	\$ 1,225.00	\$ 160.00	\$ 160.00	\$ 15.00	\$ 1,560.00
CC Vault		Marriages c. 1868-1887	1868	sewn	\$ 1,027.00	\$ 155.00	\$ 155.00	\$ 30.00	\$ 1,367.00
Sey. Bsmnt	1086	Final tax list	1869	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 1,650.00
Sey. Bsmnt	1092	Final tax list	1870	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 1,650.00
S301	1177	Receipts and expenditures	1870	sew	\$ 992.00	\$ 125.00	\$ 125.00	\$ 15.00	\$ 1,257.00
Sey. Bsmnt	1083	Final tax list	1871	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 1,650.00
Sey. Bsmnt	1085	Final tax list	1872	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 1,650.00
		City Records Vol 6, 1873-1878	1873	sewn	\$ 2,047.00	\$ 305.00	\$ 305.00	\$ 30.00	\$ 2,687.00
Sey. Bsmnt	1085	Final tax list	1873	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 1,650.00
CC Vault		Ordinances Vol. 2, 1873-1886	1873	sewn	\$ 1,273.00	\$ 180.00	\$ 180.00	\$ 30.00	\$ 1,663.00

Doc. Location	Item Inventory Number	Item Description/ Title	Book Year(s)	Restoration Notes	Conservation Cost (with rebinding)	35mm security film	scan to CD (PDF)	Shipping	Total (With Rebinding)
Sey. Bsmnt	1091	Final tax list	1874	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 1,650.00
Sey. Bsmnt	1087	Final tax list	1875	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 1,650.00
Sey. Bsmnt	1089	Final tax list	1876	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 1,650.00
Sey. Bsmnt	1093	Final tax list	1877	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 1,650.00
Sey. Bsmnt	1008	Census. Ward 1. April 1, 1878-May 8, 1878. 143pp. Index. BV	1878	sew	\$ 750.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 965.00
Sey. Bsmnt	1011	Census. Ward 2. April 1, 1878-March 7, 1878. 157pp. BV	1878	sew	\$ 750.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 965.00
CC Vault		City Records Vol. 7 thru 15, 1878-1913 (9 vols.)	1878	sewn	\$ 17,500.00	\$ 2,745.00	\$ 2,745.00	\$ 270.00	\$ 23,260.00
Sey. Bsmnt	1088	Final tax list	1878	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 1,650.00
Sey. Bsmnt	1114	Invoice	1878	sew	\$ 960.00	\$ 120.00	\$ 120.00	\$ 15.00	\$ 1,215.00
Sey. Bsmnt	1090	Final tax list	1879	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 1,650.00
Sey. Bsmnt	1112	Invoice	1879	sew	\$ 1,000.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 1,300.00
Sey. Bsmnt	1145	Inventories	1880	Mylar, 2 vols.	\$ 2,800.00	\$ 280.00	\$ 280.00	\$ 30.00	\$ 3,390.00
Sey. Bsmnt	1101	Invoice	1880	sew	\$ 1,000.00	\$ 125.00	\$ 125.00	\$ 125.00	\$ 1,375.00
Sey. Bsmnt	1106	Invoice	1881	sew	\$ 920.00	\$ 115.00	\$ 115.00	\$ 115.00	\$ 1,265.00
CC Vault		Marriage Intentions 1881-1889	1881	sewn	\$ 1,467.00	\$ 230.00	\$ 230.00	\$ 30.00	\$ 1,957.00
Sey. Bsmnt	1113	Invoice	1882	sew	\$ 1,400.00	\$ 125.00	\$ 125.00	\$ 125.00	\$ 1,775.00
Sey. Bsmnt	1094	Final tax list	1883	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 1,650.00
Sey. Bsmnt	1095	Final tax list	1884	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 1,650.00
Sey. Bsmnt	1037	Invoice	1884	sew	\$ 1,040.00	\$ 130.00	\$ 130.00	\$ 15.00	\$ 1,315.00
Sey. Bsmnt	1102	Invoice	1884	sew	\$ 1,240.00	\$ 160.00	\$ 160.00	\$ 160.00	\$ 1,720.00
Sey. Bsmnt	1096	Final tax list	1885	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 1,650.00
Sey. Bsmnt	1107	Invoice	1886	sew	\$ 960.00	\$ 120.00	\$ 120.00	\$ 120.00	\$ 1,320.00

Doc. Location	Item Inventory Number	Item Description/ Title	Book Year(s)	Restoration Notes	Conservation Cost (with rebinding)	35mm security film	scan to CD (PDF)	Shipping	Total (With Rebinding)
Sey. Bsmnt	1105	Invoice	1886	sew	\$ 1,400.00	\$ 175.00	\$ 175.00	\$ 175.00	\$ 1,925.00
CC Vault		Ordinances Vol. 3, 1886-1894	1886	sewn	\$ 1,386.00	\$ 205.00	\$ 205.00	\$ 30.00	\$ 1,826.00
Sey. Bsmnt	1036	Final tax list	1887	sew	\$ 1,460.00	\$ 170.00	\$ 170.00	\$ 15.00	\$ 1,815.00
Sey. Bsmnt	1108	Invoice	1887	sew	\$ 1,000.00	\$ 125.00	\$ 125.00	\$ 125.00	\$ 1,375.00
Sey. Bsmnt	1098	Final tax list	1888	sew	\$ 1,440.00	\$ 180.00	\$ 180.00	\$ 180.00	\$ 1,980.00
Sey. Bsmnt	1038	Final tax list	1888	sew	\$ 1,680.00	\$ 185.00	\$ 185.00	\$ 15.00	\$ 2,065.00
Sey. Bsmnt	1103	Invoice	1888	sew	\$ 1,000.00	\$ 125.00	\$ 125.00	\$ 125.00	\$ 1,375.00
Sey. Bsmnt	1110	Invoice	1888	Mylar, 2 vols.	\$ 1,800.00	\$ 180.00	\$ 180.00	\$ 180.00	\$ 2,340.00
Sey. Bsmnt	1111	Invoice	1889	Mylar, 1 vol.	\$ 750.00	\$ 180.00	\$ 180.00	\$ 180.00	\$ 1,290.00
Sey. Bsmnt	1104	Invoice	1889	sew	\$ 1,000.00	\$ 125.00	\$ 125.00	\$ 125.00	\$ 1,375.00
Sey. Bsmnt	1109	Invoice	1889	Mylar, 1 vol.	\$ 1,400.00	\$ 140.00	\$ 140.00	\$ 140.00	\$ 1,820.00
Sey. Bsmnt	1099	Final tax list	1890	sew	\$ 1,440.00	\$ 180.00	\$ 180.00	\$ 180.00	\$ 1,980.00
Sey. Bsmnt	1100	Final tax list	1891	sew	\$ 1,440.00	\$ 180.00	\$ 180.00	\$ 180.00	\$ 1,980.00
S301	1219	Register of City-owned property	1895	binder	\$ 1,788.00	\$ 275.00	\$ 275.00	\$ 15.00	\$ 2,353.00
Sey. Bsmnt	1138	Inventories	1899	Mylar, 4 vols.	\$ 4,750.00	\$ 475.00	\$ 475.00	\$ 60.00	\$ 5,760.00
Sey. Bsmnt	1139	Inventories	1900	Mylar, 3 vols.	\$ 5,500.00	\$ 550.00	\$ 550.00	\$ 45.00	\$ 6,645.00
S301	1210	Receipts and expenditures	1901	sew	\$ 1,472.00	\$ 185.00	\$ 185.00	\$ 15.00	\$ 1,857.00
S301	1224	Register of City-owned property	1901	Mylar, 2 vols.	\$ 3,750.00	\$ 250.00	\$ 250.00	\$ 30.00	\$ 4,280.00
Sey. Bsmnt	1141	Inventories	1902	Mylar, 3 vols.	\$ 4,900.00	\$ 490.00	\$ 490.00	\$ 45.00	\$ 5,925.00
Sey. Bsmnt	1137	Invoice blotter of Board of Assessors	1902	sew	\$ 2,200.00	\$ 275.00	\$ 275.00	\$ 15.00	\$ 2,765.00
Sey. Bsmnt	1142	Inventories	1903	Mylar, 3 vols.	\$ 4,900.00	\$ 490.00	\$ 490.00	\$ 45.00	\$ 5,925.00
Sey. Bsmnt	1143	Inventories	1904	Mylar, 2 vols.	\$ 1,500.00	\$ 150.00	\$ 150.00	\$ 30.00	\$ 1,830.00

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CC Vault		Marriages 1904-1917	1904	sewn	\$ 2,262.00	\$ 305.00	\$ 305.00	\$ 30.00	\$ 2,902.00
S301	1189	Receipts and expenditures	1904	Mylar, 1 vol.	\$ 890.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 1,105.00
S301	1193	Receipts and expenditures	1905	sew	\$ 750.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 965.00
S301	0841	Ward Four supplies to poor	1905	Mylar, 1 vol.	\$ 750.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 965.00
Sey. Bsmnt	1144	Inventories	1906	Mylar, 3 vols.	\$ 2,100.00	\$ 210.00	\$ 210.00	\$ 45.00	\$ 2,565.00
S301	0860	Aid to poor	1907	Mylar, 1 vol.	\$ 1,600.00	\$ 160.00	\$ 160.00	\$ 15.00	\$ 1,935.00
S301	1218	Register of City-owned property	1907	sew	\$ 750.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 965.00
S301		Tax Book 1907	1907		\$ 1,640.00	\$ 180.00	\$ 180.00	\$ 15.00	\$ 2,015.00
S301	0847	Supplies to poor by Ward	1908	Mylar, 1 vol.	\$ 1,000.00	\$ 125.00	\$ 125.00	\$ 15.00	\$ 1,265.00
S301		Tax Book 1908	1908		\$ 1,640.00	\$ 180.00	\$ 180.00	\$ 15.00	\$ 2,015.00
S301		Tax Collector's Record 1	1908	not located					\$ -
S301	1223	Register of City-owned property	1909	Mylar, 2 vols.	\$ 2,225.00	\$ 175.00	\$ 175.00	\$ 30.00	\$ 2,605.00
S301	0888	Street sprinkling	1909	sew	\$ 750.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ -
S301	0891	Street sprinkling	1909	sew	\$ 750.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 2,605.00
S301	0843	Supplies to poor by Ward	1909	Mylar, 1 vol.	\$ 1,000.00	\$ 125.00	\$ 125.00	\$ 15.00	\$ 1,265.00
S301	0844	Supplies to poor by Ward	1909	Mylar, 1 vol.	\$ 1,000.00	\$ 125.00	\$ 125.00	\$ 15.00	\$ 1,265.00
S301	0845	Supplies to poor by Ward	1909	Mylar, 1 vol.	\$ 1,000.00	\$ 125.00	\$ 125.00	\$ 15.00	\$ 1,265.00
S301	0846	Supplies to poor by Ward	1909	Mylar, 1 vol.	\$ 1,000.00	\$ 125.00	\$ 125.00	\$ 15.00	\$ 1,265.00
S301		Tax Book 1909	1909		\$ 1,960.00	\$ 220.00	\$ 220.00	\$ 15.00	\$ 2,415.00
S301		Tax Collector's Record 2	1909		\$ 1,480.00	\$ 160.00	\$ 160.00	\$ 15.00	\$ 1,815.00
S301	0890	Street sprinkling	1910	sew	\$ 750.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 2,415.00
S301		Tax Book 1910	1910		\$ 1,960.00	\$ 220.00	\$ 220.00	\$ 15.00	\$ 2,415.00
S301		Tax Collector's Record 3	1910		\$ 1,400.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,715.00
S301	0889	Street sprinkling	1911	sew	\$ 750.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 2,415.00
S301		Tax Book 1911	1911		\$ 1,960.00	\$ 220.00	\$ 220.00	\$ 15.00	\$ 2,415.00
S301		Tax Collector's Record 4	1911		\$ 1,480.00	\$ 160.00	\$ 160.00	\$ 15.00	\$ 1,815.00
CC Vault		Deaths 1912-1933	1912	sewn	\$ 2,350.00	\$ 355.00	\$ 355.00	\$ 30.00	\$ 3,090.00
S301		Tax Book 1912	1912		\$ 1,960.00	\$ 220.00	\$ 220.00	\$ 15.00	\$ 2,415.00
S301		Tax Collector's Record 5	1912		\$ 1,400.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,715.00
S301	0848	Supplies to poor by Ward	1913	Mylar, 1 vol.	\$ 1,000.00	\$ 125.00	\$ 125.00	\$ 15.00	\$ 1,265.00
S301		Tax Book 1913	1913		\$ 1,960.00	\$ 220.00	\$ 220.00	\$ 15.00	\$ 2,415.00
S301		Tax Collector's Record 6	1913		\$ 1,480.00	\$ 160.00	\$ 160.00	\$ 15.00	\$ 1,815.00
S301		Tax Book 1914	1914		\$ 1,400.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,715.00
S301		Tax Collector's Record 7	1914		\$ 1,640.00	\$ 180.00	\$ 180.00	\$ 15.00	\$ 2,015.00
S301		Tax Book 1915	1915		\$ 1,400.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,715.00
S301		Tax Collector's Record 8	1915		\$ 1,720.00	\$ 190.00	\$ 190.00	\$ 15.00	\$ 2,115.00
S301		Tax Book 1916	1916		\$ 1,400.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,715.00
S301		Tax Collector's Record 9	1916		\$ 1,720.00	\$ 190.00	\$ 190.00	\$ 15.00	\$ 2,115.00
S301		Tax Book 1917	1917		\$ 1,400.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,715.00
S301		Tax Collector's Record 10	1917		\$ 1,720.00	\$ 190.00	\$ 190.00	\$ 15.00	\$ 2,115.00



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S301	0887	Street sprinkling	1918	sew	\$ 750.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 965.00
S301		Tax Book 1918	1918		\$ 1,400.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,715.00
S301		Tax Collector's Record 11	1918		\$ 1,880.00	\$ 190.00	\$ 190.00	\$ 15.00	\$ 2,275.00
S301		Tax Book 1919	1919		\$ 1,400.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,715.00
S301		Tax Collector's Record 12	1919		\$ 1,880.00	\$ 210.00	\$ 210.00	\$ 15.00	\$ 2,315.00
S301		Tax Book 1920	1920		\$ 1,400.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,715.00
S301		Tax Collector's Record 13	1920		\$ 1,920.00	\$ 210.00	\$ 210.00	\$ 15.00	\$ 2,355.00
S301		Tax Book 1921	1921		\$ 1,400.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,715.00
S301		Tax Collector's Record 14	1921		\$ 2,440.00	\$ 215.00	\$ 215.00	\$ 15.00	\$ 2,885.00
S301		Tax Collector's Record 14, 1921	1921		\$ 950.00	\$ 75.00	\$ 75.00	\$ 15.00	\$ 1,115.00
S301		Tax Book 1922	1922		\$ 1,400.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,715.00
S301		Tax Collector's Record 15	1922		\$ 2,480.00	\$ 280.00	\$ 280.00	\$ 15.00	\$ 3,055.00
S301		Tax Book 1923	1923		\$ 1,400.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,715.00
S301		Tax Collector's Record 16	1923		\$ 2,440.00	\$ 280.00	\$ 280.00	\$ 15.00	\$ 3,015.00
Sey. Bsmnt	0908	Spanish-American and World War I veterans' service records	1924	Mylar, 2 vols.	\$ 4,500.00	\$ 450.00	\$ 450.00	\$ 30.00	\$ 1,715.00
S301		Tax Book 1924	1924		\$ 1,400.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,715.00
S301		Tax Collector's Record 17	1924		\$ 2,280.00	\$ 260.00	\$ 260.00	\$ 15.00	\$ 2,815.00
S301		Tax Book 1925	1925		\$ 1,400.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,715.00
S301		Tax Collector's Record 18	1925		\$ 1,400.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,715.00
S301		Tax Book 1926	1926		\$ 1,480.00	\$ 160.00	\$ 160.00	\$ 15.00	\$ 1,815.00
S301		Tax Collector's Record 19	1926		\$ 1,400.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,715.00
S301		Tax Book 1927	1927		\$ 1,560.00	\$ 170.00	\$ 170.00	\$ 15.00	\$ 1,915.00
S301		Tax Collector's Record 20	1927		\$ 1,320.00	\$ 140.00	\$ 140.00	\$ 15.00	\$ 1,615.00
S301		Tax Book 1928	1928		\$ 2,040.00	\$ 230.00	\$ 230.00	\$ 15.00	\$ 2,515.00
S301		Tax Collector's Record 21	1928		\$ 1,440.00	\$ 155.00	\$ 155.00	\$ 15.00	\$ 1,765.00
S301		Tax Book 1929	1929		\$ 2,120.00	\$ 240.00	\$ 240.00	\$ 15.00	\$ 2,615.00
S301		Tax Collector's Record 22	1929		\$ 1,480.00	\$ 160.00	\$ 160.00	\$ 15.00	\$ 1,815.00
S301		Tax Book 1930	1930		\$ 2,120.00	\$ 240.00	\$ 240.00	\$ 15.00	\$ 2,615.00
S301		Tax Collector's Record 23	1930		\$ 1,320.00	\$ 140.00	\$ 140.00	\$ 15.00	\$ 1,615.00
S301		Tax Book 1931	1931		\$ 2,120.00	\$ 240.00	\$ 240.00	\$ 15.00	\$ 2,615.00
S301		Tax Collector's Record 24	1931		\$ 1,320.00	\$ 140.00	\$ 140.00	\$ 15.00	\$ 1,615.00
S301		Tax Book 1932	1932		\$ 2,120.00	\$ 240.00	\$ 240.00	\$ 15.00	\$ 2,615.00
S301		Tax Collector's Record 25	1932	not located	\$ 150.00				\$ 150.00
S301		Tax Book 1933	1933		\$ 2,120.00	\$ 240.00	\$ 240.00	\$ 15.00	\$ 2,615.00
S301		Tax Collector's Record 26	1933		\$ 1,600.00	\$ 175.00	\$ 175.00	\$ 15.00	\$ 1,965.00
CC Vault		Births 1934-1945	1934	sewn	\$ 1,820.00	\$ 280.00	\$ 280.00	\$ 30.00	\$ 2,410.00
CC Vault		Deaths 1934-1951	1934	sewn	\$ 1,772.00	\$ 280.00	\$ 280.00	\$ 30.00	\$ 2,362.00
S301		Tax Book 1934	1934		\$ 2,240.00	\$ 255.00	\$ 255.00	\$ 15.00	\$ 2,765.00
S301		Tax Collector's Record 27	1934	not located	\$ 150.00				\$ 150.00
S301	0862	Control journal	1935	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
S301	0864	Control journal	1935	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00

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S301	0867	Poor support	1935	binder	\$ 1,925.00	\$ 275.00	\$ 275.00	\$ 15.00	\$ 2,490.00
S301		Tax Book 1935	1935		\$ 2,240.00	\$ 255.00	\$ 255.00	\$ 15.00	\$ 2,765.00
S301		Tax Collector's Record 28	1935		\$ 1,640.00	\$ 180.00	\$ 180.00	\$ 15.00	\$ 2,015.00
S301	0865	Control journal	1936	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
S301	0866	Control journal	1936	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
S301		Tax Book 1936	1936		\$ 2,240.00	\$ 255.00	\$ 255.00	\$ 15.00	\$ 2,765.00
S301		Tax Collector's Record 29	1936		\$ 1,640.00	\$ 180.00	\$ 180.00	\$ 15.00	\$ 2,015.00
S301	0863	Control journal	1937	sew	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
S301		Tax Book 1937	1937		\$ 2,240.00	\$ 255.00	\$ 255.00	\$ 15.00	\$ 2,765.00
S301		Tax Collector's Record 30	1937		\$ 1,600.00	\$ 180.00	\$ 180.00	\$ 15.00	\$ 1,975.00
S301		Tax Collector's Record 31	1938	not located	\$ 150.00				\$ 150.00
S301		Tax Collector's Record 32	1939		\$ 1,880.00	\$ 210.00	\$ 210.00	\$ 15.00	\$ 2,315.00
S301		Tax Collector's Record 33	1940	not located	\$ 150.00				\$ 150.00
S301		Tax Collector's Record 34	1941		\$ 2,000.00	\$ 225.00	\$ 225.00	\$ 15.00	\$ 2,465.00
S301	no #	Contract No. 6	1942	sew	\$ 900.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 1,115.00
S301		Tax Collector's Record 35	1942		\$ 2,200.00	\$ 250.00	\$ 250.00	\$ 15.00	\$ 2,715.00
Sey. Bsmnt	0946	Water main construction proposal	1942	Mylar, 1 vol.	\$ 750.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 1,115.00
S301		Tax Collector's Record 36	1943		\$ 1,960.00	\$ 220.00	\$ 220.00	\$ 15.00	\$ 2,415.00
S301		Tax Collector's Record 37	1944		\$ 2,000.00	\$ 225.00	\$ 225.00	\$ 15.00	\$ 2,465.00
CC Vault		Births 1945-1951	1945	sewn	\$ 1,468.00	\$ 230.00	\$ 230.00	\$ 30.00	\$ 1,958.00
S301		Tax Collector's Record 38	1945		\$ 1,960.00	\$ 220.00	\$ 220.00	\$ 15.00	\$ 2,415.00
S301		Tax Collector's Record 39	1946		\$ 1,840.00	\$ 205.00	\$ 205.00	\$ 15.00	\$ 2,265.00
S301		Tax Collector's Record 40	1947	not located	\$ 150.00				\$ 150.00
S301		Tax Collector's Record 41	1948		\$ 1,800.00	\$ 200.00	\$ 200.00	\$ 15.00	\$ 2,215.00
S301		Tax Collector's Record 42	1949		\$ 1,920.00	\$ 215.00	\$ 215.00	\$ 15.00	\$ 2,365.00
S301		Tax Collector's Record 43	1950		\$ 1,800.00	\$ 200.00	\$ 200.00	\$ 15.00	\$ 2,215.00
S301	0838	Town Ledger for the Overseers of the Poor. Ledger B. 1812-1836. 229pp. UV	1812-1836	Mylar, 2 vols.	\$ 2,300.00	\$ 230.00	\$ 230.00	\$ 15.00	\$ 2,775.00
S301	0837	Overseers of the Poor. April 17, 1817-March 1838. 342pp. UV	1817-1838	sew	\$ 1,372.00	\$ 180.00	\$ 180.00	\$ 15.00	\$ 1,747.00
Sey. Bsmnt	823	[Overseers of the Poor]. 1831-1838. 251pp. Index. UV	1831-1838	sew	\$ 1,108.00	\$ 125.00	\$ 125.00	\$ 15.00	\$ 1,373.00
S301	0857	[Overseers of the Poor]. January 1, 1835-January 21, 1841. UV	1835-1841	Mylar, 1 vol.	\$ 1,000.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 1,215.00
Sey. Bsmnt	0827	Receipts and expenditures	1838-1875	sew	\$ 3,200.00	\$ 400.00	\$ 400.00	\$ 15.00	\$ 4,015.00
Sey. Bsmnt	0920	Shipping Log	1842-1860	sew	\$ 916.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 1,215.00
Sey. Bsmnt	0830	[Overseers of the Poor]. March 29, 1850-March 18, 1853. UV	1850-1853	sew	\$ 750.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 965.00
S301	0854	[Overseers of the Poor]. March 25, 1853-April 9, 1856. UV	1853-1856	Mylar, 1 vol.	\$ 1,000.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 1,215.00

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Sey. Bsmnt	1135	Invoice	1900	Mylar, 2 Vols. (priced to do with 1136)	\$ 1,892.00	\$ 175.00	\$ 175.00	\$ 30.00	\$ 2,272.00
Sey. Bsmnt	1136	Invoice	1906						
S301	1243	Receipts and expenditures	1904-1905	sew	\$ 1,568.00	\$ 200.00	\$ 200.00	\$ 15.00	\$ 1,983.00
Sey. Bsmnt	0959	Board of Assessors' meeting minutes	1905-1907	sew	\$ 750.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 965.00
S301		Tax Collector's Records 1906-1908	1906-1908		\$ 1,800.00	\$ 200.00	\$ 200.00	\$ 15.00	\$ 2,215.00
S301	1240	Receipts and expenditures	1907-1908	sew	\$ 1,840.00	\$ 230.00	\$ 230.00	\$ 15.00	\$ 2,315.00
S301	1241	Receipts and expenditures	1907-1920	sew	\$ 1,064.00	\$ 135.00	\$ 135.00	\$ 15.00	\$ 1,349.00
Sey. Bsmnt	0958	Board of Assessors' meeting minutes	1907-1922	Mylar, 1 vol.	\$ 1,260.00	\$ 130.00	\$ 130.00	\$ 15.00	\$ 2,315.00
S301	0861	Receipts and expenditures	1908-1910	Mylar, 1 vol.	\$ 1,200.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,515.00
Sey. Bsmnt	1132	Payments	1908	Mylar, 1 Vol. (priced to do w/ 1132,1133 and 1134)	\$ 950.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 1,165.00
Sey. Bsmnt	1133	Payments	1907						
Sey. Bsmnt	1134	Invoice	1908						
Sey. Bsmnt	0963	Abatements granted	1908-1912	Mylar, 1 vol (priced for 0963,0964,0965 to be done together)	\$ 1,350.00	\$ 135.00	\$ 135.00	\$ 15.00	\$ 1,635.00
Sey. Bsmnt	0964	Abatements granted	1906						
Sey. Bsmnt	0965	Abatements granted	1903-1904						
Sey. Bsmnt	0966	Abatements granted	1907	Mylar, 1 vol (priced for 0966,0967,0968 to be done together)	1,500.00	150.00	150.00	15.00	\$ 1,815.00
Sey. Bsmnt	0967	Abatements granted	1905-1907						
Sey. Bsmnt	0968	Abatements granted	1908						
Sey. Bsmnt	0969	Abatements granted	1909	Mylar, 1 vol (priced for 0969,0970,0971 to be done together)	1,500.00	150.00	150.00	15.00	\$ 1,815.00
Sey. Bsmnt	0970	Abatements granted	1910						
Sey. Bsmnt	0971	Abatements granted	1911						
S301		Tax Collector's Record 1911-1914	1911-1914		\$ 950.00	\$ 75.00	\$ 75.00	\$ 15.00	\$ 1,115.00
Sey. Bsmnt	0972	Abatements granted	1912	Mylar, 1 Vol. (priced for 0972, 0973, and 0974 to be done together)	1,500.00	150.00	150.00	15.00	\$ 1,815.00
Sey. Bsmnt	0973	Abatements granted	1913						
Sey. Bsmnt	0974	Abatements granted	1914						

Doc. Location	Item Inventory Number	Item Description/ Title	Book Year(s)	Restoration Notes	Conservation Cost (with rebinding)	35mm security film	scan to CD (PDF)	Shipping	Total (With Rebinding)
Sey. Bsmnt	0975	Abatements granted	1915	Mylar, 1 Vol. (priced for 0975, 0976, and 0977 to be done together)	1,500.00	150.00	150.00	15.00	\$ 1,815.00
Sey. Bsmnt	0976	Abatements granted	1917						
Sey. Bsmnt	0977	Abatements granted	1918						
Sey. Bsmnt	0978	Abatements granted	1919	Mylar, 1 Vol. (priced for 0978, 0978, and 0979 to be done together)	1,500.00	150.00	150.00	15.00	\$ 1,815.00
Sey. Bsmnt	0978	Abatements granted	1920						
Sey. Bsmnt	0979	Abatements granted	1920						
Sey. Bsmnt	0979	Abatements granted	1916	Mylar, 1 Vol. (priced for 0979 and 0980 to be done together)	\$ 1,500.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,815.00
Sey. Bsmnt	0980	Abatements granted	1922						
S301	1222	Register of City-owned property	1920-1929	Mylar, 2 vols.	\$ 2,800.00	\$ 260.00	\$ 260.00	\$ 30.00	\$ 3,350.00
S301	1242	Receipts and expenditures	1921-1931	sew	\$ 2,200.00	\$ 250.00	\$ 250.00	\$ 15.00	\$ 2,715.00
S301	1206	Receipts	1923-1931	sew	\$ 1,400.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,715.00
Sey. Bsmnt	0981	Abatements granted	1923	Mylar, 1 Vol. (priced for 0981 and 0982 to be done together)	\$ 1,000.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 1,215.00
Sey. Bsmnt	0982	Abatements granted	1924						
S301	1213	Receipts and expenditures	1930-1939	binder	\$ 1,625.00	\$ 250.00	\$ 250.00	\$ 15.00	\$ 2,140.00
S301	1202	Receipts and expenditures	1930-1939	binder	\$ 2,212.00	\$ 325.00	\$ 325.00	\$ 15.00	\$ 2,877.00
S301	1220	Register of City-owned property	1930-1939	sew	\$ 2,080.00	\$ 260.00	\$ 260.00	\$ 15.00	\$ 2,615.00
S301	0877	Vital Records: Registers and memoranda concerning burials and permission to remove a body to another cemetery (36 VOLUMES)	1930-1939	36 Volumes combine and returned as 18 volumes @ 1600 each, film 160 each, cd 160 each, shipping 15 each	\$ 28,800.00	\$ 2,880.00	\$ 2,880.00	\$ 270.00	\$ 34,830.00
S301	1221	Register of City-owned property	1938-1948	binder	\$ 2,275.00	\$ 350.00	\$ 350.00	\$ 15.00	\$ 2,990.00
S301	1211	Bond issues	1939-1948	sew	\$ 1,148.00	\$ 130.00	\$ 130.00	\$ 15.00	\$ 1,423.00
S301	1184	Receipts and expenditures	undated	sew	\$ 800.00	\$ 100.00	\$ 100.00	\$ 15.00	\$ 1,015.00
S301	no #	Inventories 7, 8, 9 combine - 1600's		sew	\$ 900.00	\$ 120.00	\$ 120.00	\$ 15.00	\$ 1,155.00
Sey. Bsmnt	1250	Voucher Register	1923-1924	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1251	Voucher Register	1923-1925	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1252	Voucher Register	1925-1926	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1253	Voucher Register	1923-1928	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1254	Voucher Register	1925-1926	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1255	Voucher Register	1926-1928	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00

Doc. Location	Item Inventory Number	Item Description/ Title	Book Year(s)	Restoration Notes	Conservation Cost (with rebinding)	35mm security film	scan to CD (PDF)	Shipping	Total (With Rebinding)
Sey. Bsmnt	1256	Voucher Register	1927-1930	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1257	Voucher Register	1928-1930	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1258	Voucher Register	1930-1931	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1259	Voucher Register	1930-1932	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1260	Voucher Register	1931-193	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1261	Voucher Register	1932-1933	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1262	Voucher Register	1934-1935	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1263	Voucher Register	1933-1935	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1264	Voucher Register	1935-1936	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1265	Voucher Register	1935-1936	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1266	Voucher Register	1932-1933	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1267	Voucher Register	1936-1937	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1268	Voucher Register	1937-1938	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1269	Voucher Register	1937-1939	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1270	Voucher Register	1938-1939	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1271	Voucher Register	1938-1939	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1272	Voucher Register	1939-1941	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1273	Voucher Register	1939-1941	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1274	Voucher Register	1941-1942	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1275	Voucher Register	1941-1943	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1276	Voucher Register	1942-1944	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1277	Voucher Register	1943-1945	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1278	Voucher Register	1944-1946	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1279	Voucher Register	1946-1947	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1280	Voucher Register	1946-1947	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1281	Voucher Register	1948-1949	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1282	Voucher Register	1949-1950	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1283	Voucher Register	1952-1953	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1284	Voucher Register	1956	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1285	Voucher Register	1953-1954	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1286	Voucher Register	1954-1955	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1287	Voucher Register	1955-1957	sew	\$ 1,224.00	\$ 150.00	\$ 150.00	\$ 15.00	\$ 1,539.00
Sey. Bsmnt	1288	Voucher Register	1907-1908	sew	\$ 1,600.00	\$ 200.00	\$ 200.00	\$ 15.00	\$ 2,015.00
Sey. Bsmnt	1289	Poll Tax	1914	sew	\$ 750.00	\$ 75.00	\$ 75.00	\$ 15.00	\$ 915.00
Sey. Bsmnt	1290	Poll Tax	1914	sew	\$ 750.00	\$ 75.00	\$ 75.00	\$ 15.00	\$ 915.00
Sey. Bsmnt	1291	Poll Tax	1914	sew	\$ 750.00	\$ 75.00	\$ 75.00	\$ 15.00	\$ 915.00
Sey. Bsmnt	1292	Poll Tax	1915	sew	\$ 750.00	\$ 75.00	\$ 75.00	\$ 15.00	\$ 915.00
Sey. Bsmnt	1293	Poll Tax	1915	sew	\$ 750.00	\$ 75.00	\$ 75.00	\$ 15.00	\$ 915.00
Sey. Bsmnt	1294	Poll Tax	1915	sew	\$ 750.00	\$ 75.00	\$ 75.00	\$ 15.00	\$ 915.00
Sey. Bsmnt	1295	Poll Tax	1916	sew	\$ 750.00	\$ 75.00	\$ 75.00	\$ 15.00	\$ 915.00
Sey. Bsmnt	1296	Poll Tax	1916	sew	\$ 750.00	\$ 75.00	\$ 75.00	\$ 15.00	\$ 915.00

Doc. Location	Item Inventory Number	Item Description/ Title	Book Year(s)	Restoration Notes	Conservation Cost (with rebinding)	35mm security film	scan to CD (PDF)	Shipping	Total (With Rebinding)
Sey. Bsmnt	1339	Poll Tax	1936	sew	\$ 1,240.00	\$ 160.00	\$ 160.00	\$ 15.00	\$ 1,575.00
Sey. Bsmnt	1340	Poll Tax	1936	sew	\$ 1,240.00	\$ 160.00	\$ 160.00	\$ 15.00	\$ 1,575.00
Sey. Bsmnt	1341	Poll Tax	1937	sew	\$ 1,240.00	\$ 160.00	\$ 160.00	\$ 26.00	\$ 1,586.00
Sey. Bsmnt	1342	Poll Tax	1937	sew	\$ 1,240.00	\$ 160.00	\$ 160.00	\$ 15.00	\$ 1,575.00
Sey. Bsmnt	1343	Poll Tax	1938	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1344	Poll Tax	1939	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1345	Poll Tax	1940	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1346	Poll Tax	1941	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1347	Poll Tax	1942	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1348	Poll Tax	1943	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1349	Poll Tax	1944	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1350	Poll Tax	1945	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1351	Poll Tax	1945	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1352	Poll Tax	1946	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1353	Poll Tax	1946	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1354	Poll Tax	1947	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1355	Poll Tax	1947	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1356	Poll Tax	1948	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1357	Poll Tax	1948	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1358	Poll Tax	1949	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1359	Poll Tax	1949	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1360	Poll Tax	1950	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1361	Poll Tax	1950	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1362	Poll Tax	1951	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1363	Poll Tax	1951	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1364	Poll Tax	1952	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1365	Poll Tax	1953	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1366	Poll Tax	1954	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1367	Poll Tax	1955	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1368	Poll Tax	1956	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1369	Poll Tax	1957	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1370	Poll Tax	1958	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1371	Poll Tax	1959	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1372	Poll Tax	1960	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1373	Poll Tax	1961	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1374	Poll Tax	1962	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1375	Poll Tax	1963	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1376	Poll Tax	1964	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1377	Poll Tax	1965	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1378	Poll Tax	1966	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1379	Poll Tax	1967	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00



Doc. Location	Item Inventory Number	Item Description/ Title	Book Year(s)	Restoration Notes	Conservation Cost (with rebinding)	35mm security film	scan to CD (PDF)	Shipping	Total (With Rebinding)
Sey. Bsmnt	1380	Poll Tax	1968	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1381	Poll Tax	1969	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1382	Poll Tax	1970	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt	1383	Poll Tax	1970	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
Sey. Bsmnt		Valuation	1970-1986	sew	\$ 3,200.00	\$ 400.00	\$ 400.00	\$ 15.00	\$ 4,015.00
Sey. Bsmnt		Valuation	1970-1986	sew	\$ 3,200.00	\$ 400.00	\$ 400.00	\$ 15.00	\$ 4,015.00
Sey. Bsmnt		Valuation	1970-1986	sew	\$ 3,200.00	\$ 400.00	\$ 400.00	\$ 15.00	\$ 4,015.00
Sey. Bsmnt		Valuation	1970-1986	sew	\$ 3,200.00	\$ 400.00	\$ 400.00	\$ 15.00	\$ 4,015.00
Sey. Bsmnt		Valuation	1970-1986	sew	\$ 3,200.00	\$ 400.00	\$ 400.00	\$ 15.00	\$ 4,015.00
Sey. Bsmnt		Valuation	1970-1986	sew	\$ 3,200.00	\$ 400.00	\$ 400.00	\$ 15.00	\$ 4,015.00
Sey. Bsmnt		Valuation	1970-1986	sew	\$ 3,200.00	\$ 400.00	\$ 400.00	\$ 15.00	\$ 4,015.00
Sey. Bsmnt		Valuation	1970-1986	sew	\$ 3,200.00	\$ 400.00	\$ 400.00	\$ 15.00	\$ 4,015.00
Sey. Bsmnt		Valuation	1970-1986	sew	\$ 3,200.00	\$ 400.00	\$ 400.00	\$ 15.00	\$ 4,015.00
Sey. Bsmnt		Valuation	1970-1986	sew	\$ 3,200.00	\$ 400.00	\$ 400.00	\$ 15.00	\$ 4,015.00
Sey. Bsmnt		Valuation	1970-1986	sew	\$ 3,200.00	\$ 400.00	\$ 400.00	\$ 15.00	\$ 4,015.00
Sey. Bsmnt		Valuation	1970-1986	sew	\$ 3,200.00	\$ 400.00	\$ 400.00	\$ 15.00	\$ 4,015.00
Sey. Bsmnt		Valuation	1970-1986	sew	\$ 3,200.00	\$ 400.00	\$ 400.00	\$ 15.00	\$ 4,015.00
Sey. Bsmnt		Valuation	1970-1986	sew	\$ 3,200.00	\$ 400.00	\$ 400.00	\$ 15.00	\$ 4,015.00
Sey. Bsmnt		Valuation	1970-1986	sew	\$ 3,200.00	\$ 400.00	\$ 400.00	\$ 15.00	\$ 4,015.00
Sey. Bsmnt	1384	Valuation of Real and Personal Property	1938	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1385	Valuation of Real and Personal Property	1940	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1386	Valuation of Real and Personal Property	1941	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1387	Valuation of Real and Personal Property	1944	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1388	Valuation of Real and Personal Property	1945	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1390	Valuation of Real and Personal Property	1947	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1391	Valuation of Real and Personal Property	1948	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1392	Valuation of Real and Personal Property	1949	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1506	Valuations	1948	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1507	Valuations	1949	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1508	Valuations	1950	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1509	Valuations	1951	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1510	Valuations	1952	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1511	Valuations	1953	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1512	Valuations	1954	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1513	Valuations	1955	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1514	Valuations	1956	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00

Doc. Location	Item Inventory Number	Item Description/ Title	Book Year(s)	Restoration Notes	Conservation Cost (with rebinding)	35mm security film	scan to CD (PDF)	Shipping	Total (With Rebinding)
	1515	Valuations	1957	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1516	Valuations	1958	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1517	Valuations	1959	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1518	Valuations	1960	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1519	Valuations	1961	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1520	Valuations	1961	sew	\$ 3,120.00	\$ 390.00	\$ 390.00	\$ 15.00	\$ 3,915.00
	1521	Tax Exemptions for Manufacturing Companies	1901-1917	sew	\$ 750.00	\$ 75.00	\$ 75.00	\$ 15.00	\$ 915.00
		<b>Total</b>			800,878.00	96,705.00	96,705.00	11,961.00	\$ 1,005,233.00

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# *Pavement Management 2016 Update*

Portsmouth, New Hampshire

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Prepared for City of Portsmouth  
Mr. Peter Rice, PE  
Director of Public Works  
680 Peverly Hill Road  
Portsmouth, NH 03801

Prepared by **VHB**/Vanasse Hangen Brustlin, Inc.  
Transportation, Land Development,  
Environmental Services  
101 Walnut Street P.O. Box 9151  
Watertown, MA 02491

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## Introduction

The City of Portsmouth has hired Vanasse Hangen Brustlin, Inc (VHB) annually to perform an update to the City's pavement management system. This project is part of an on-going program where the city road conditions are evaluated periodically, the road network conditions and budget requirements are analyzed, and road paving programs are developed.

In the summer of 2016, VHB resurveyed the pavement condition of 25.1 miles of Portsmouth's total 104.1 mile City-maintained road network. By hiring VHB to resurvey 25% of the City's roads each year, and updating the roads where maintenance and resurfacing has been performed, Portsmouth has maintained an up-to-date Pavement Management System.

Under the scope of this project, VHB performed a detailed inspection of the condition of the pavement on the City maintained roads, and has created a database of this information which can be viewed, edited and analyzed using VHB's RoadManager™ software. VHB will deliver this software to staff in the Public Works Department. The data is linked to the City's Geographic Information System (GIS), so that thematic maps can be created to display any of the information in the database.

This report describes the steps taken in this project, the results of the field evaluations, and also compares the results of some potential roadway funding scenarios.

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### Theory of Pavement Management

Pavement management is the practice of planning for pavement repairs and maintenance with the goal of maximizing the value and life of a pavement network.

To accomplish this, a community needs to have several repair techniques in its arsenal and the knowledge of when to apply each of these. This is where pavement management comes into play. With a comprehensive database of road conditions, the

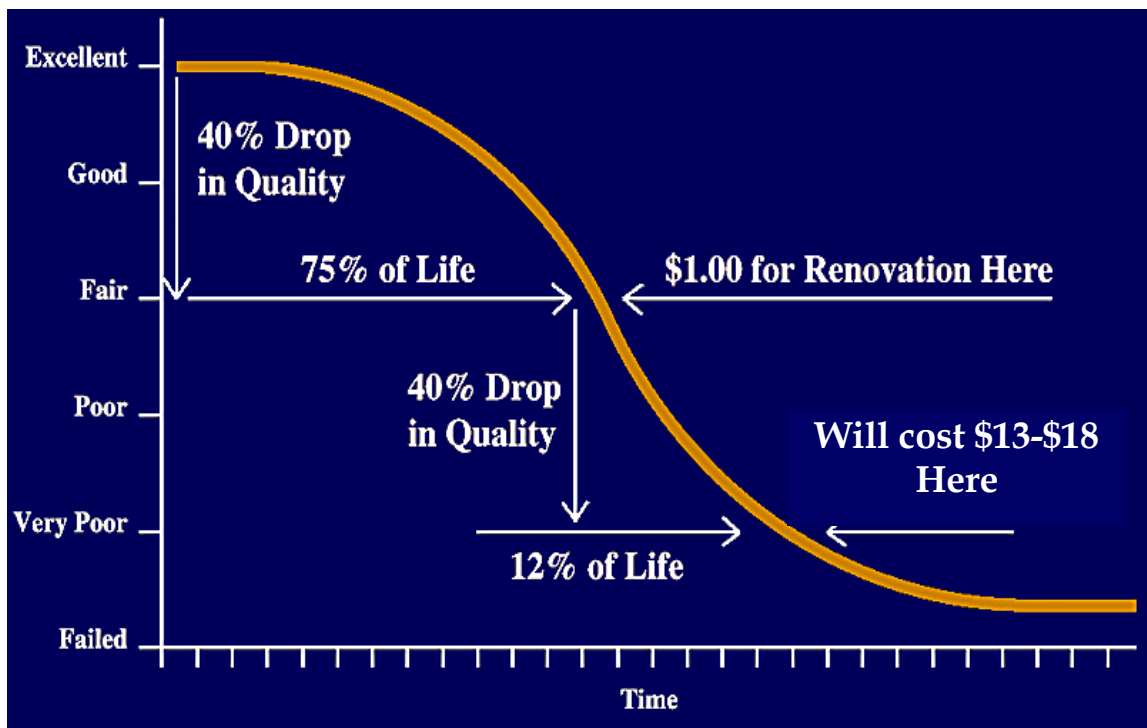


computer can model when to perform which repairs on a street network. Of course, engineering judgment is required to finalize any list of street repairs, as no computer model can take every variable analyzed in making a repair decision into account. The computer system is a great springboard to help a community start its repair program for each year and is an excellent method of storing the repair data.

## The Pavement Deterioration Curve

Below is a model of how a street's pavement deteriorates over time. Interpreting the curve, a street starts out in excellent condition when it is newly constructed. Midway through its life, a low cost repair such as crack seal and patch will cost approximately a dollar a square yard. It takes only a few years for the window of opportunity to perform this low cost maintenance to pass after which the road would need an overlay costing \$13 - \$18 per square yard. By performing timely maintenance, road conditions can be improved today, and then continue down the deterioration curve from a higher condition level, thereby extending the life of the road.

Figure 1 –Typical Pavement Deterioration Curve



## Methodology

The following methodology has been performed and updated for the City a number of times since the program's inception. The methodology described below includes all steps taken in development in the system, and not just those completed in this past year's project.

VHB has performed a detailed evaluation of the condition of Portsmouth's 104.1 miles of City maintained roads to build the pavement management system. The complete process of identifying the City road network, evaluating pavement conditions, configuring the database for analysis purposes and finally, the analysis of future funding scenarios is described below.

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### Network Identification

Network Identification builds an inventory of streets that describe the municipality's complete roadway network. The direction of travel, street length, width, one-way status, ownership, classification, zone and pavement type are among the items identified at this initial phase in the pavement management process. This integral step ensures the streets surveyed are the definitive set to be analyzed.

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### Pavement Management Section Identification

Once the Network Identification is complete, the field work begins. Each street contains one or more pavement management sections. A pavement management section defines the limits of previous construction or maintenance activities within each street. Segments are defined by having the same width, typical distresses, one-way status, functional class, etc. The goal is to set up homogenous areas of pavement to aid in assigning the appropriate repair. A street may be one section, or it may be comprised of several pavement management sections, depending on its construction history.



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## Surface Distress Assessment

For each pavement management section, the severity and extent of nine major pavement distresses are recorded, then entered into a weighted formula to arrive at a Pavement Condition Index (PCI). The distresses are categorized as base related or surface related distresses. Base related distresses indicate that the subsurface soil strength is inadequate for the existing traffic load. Streets that show significant base related distresses may need to have the subsurface soils fortified with stone to strengthen the structure and/or the street may need a significantly thicker layer of pavement. Surface related distresses are caused by age and weathering of the pavement. Streets that have predominantly surface related distresses are excellent candidates for maintenance sealing to inhibit further pavement oxidization (the main effect of aging). Streets with more of the base related distresses will most likely need some full depth patching, structural overlays or reclamation/reconstruction.

The four base related distresses are:

- potholes
- alligating
- distortion
- rutting

The five surface related distresses are:

- block cracking
- transverse or longitudinal cracking
- bleeding or polished aggregate
- surface wear or raveling
- corrugations, shoving, and slippage

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## PCI Defined

A PCI was generated for each inventoried pavement management section in Portsmouth using the surface distress data collected by VHB. PCI is measured on a scale of one hundred to zero, with one hundred representing a pavement in perfect condition and zero describing a road in impassable condition. Each type of observed pavement distress is assigned a deduct value based on the type, severity and extent of the defect. A more severe distress type, such as non-utility patching, has a higher deduct point value than a lesser distress such as transverse cracking. A weighted sum of the deduct points is then subtracted from the perfect “one hundred” road in order to generate a PCI for each roadway segment. In general, base related (pavement foundation) distresses are weighted more heavily than surface related distresses.

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## The Five Treatment Bands

VHB’s RoadManager™ software uses broad ranges to group the individual repair types into five major treatment bands. Treatment bands are a useful tool to summarize data on a City-wide basis. An individual road segment will fall into a particular category based on the strategy table’s output of repair types and will vary



due to functional classification. The goal is to gain a broad understanding of the existing conditions in simple yet meaningful terms.

**Table 1 - Treatment Band Descriptions**

TREATMENT BAND	PCI*	Description
DO NOTHING	93-100	Excellent condition - in need of no maintenance.
ROUTINE MAINTENANCE	86-92	Good condition - may be in need of crack sealing or minor localized repair.
PREVENTIVE MAINTENANCE	72-85	Fair condition - pavement surface may be in need of surface sealing, full depth patch and/or crack sealing.
STRUCTURAL IMPROVEMENT	61-71	Deficient condition - pavement surface structure in need of added strength for existing traffic. Typical repairs are overlay with or without milling.
BASE REHABILITATION	0-60	Poor condition - in need of base improvement. Typical repairs are reclamation or full depth reconstruction.

\*These are only general PCI ranges for reference purposes, and represent only one pavement type. There are several fields considered by the strategy table when assigning repair types to each individual street.

## Customizing Repair Strategies

VHB developed repair strategies to meet the City's specific practices. VHB also refined repair unit costs. VHB's goal was to understand Portsmouth's decision-making process, and simulate that process in the budget analysis software based on the pavement condition and other criteria of each pavement section.

## Preparing Budget Scenarios

Once the roadway conditions are inventoried and analyzed, and the repair strategies are defined, the impact of various spending programs on the road network can be assessed. These studies can range from 1 to 20 years, however, for the purpose of this report, 10-year studies are used. The purpose of the budget planning process is to determine the impact of various spending levels to find a funding level that will best meet Portsmouth's needs. The budget module uses deterioration curves, unit costs, and the strategy table developed in the repair strategy definition phase to assign each street a repair type and associated cost for each year of the study. The module also assigns each street a benefit value that is used to determine which streets the software assumes will be repaired each year. **It is important to understand that RoadManager™ is a network-wide planning tool. Field verification and testing are recommended to confirm any street repair list generated.**



Pavement management deals with the life cycle of pavement structure and the various repair treatments to maintain the condition of the pavement. The pavement management system and the various repair types utilized in the study do not directly address other physical improvements associated with a roadway. Some of the items, which might be encountered on a roadway project, include the storm drainage system, traffic signals, minor traffic items, sidewalks and utility adjustments. In an attempt to develop a reasonable cost of various improvements, the overall scope of a typical project associated with the various repair types was estimated to develop a network level unit cost for the work. **The actual scope of work and costs will vary for the each individual roadway. Actual repair costs will need to be developed at the project level and may differ from costs utilized in this study.**

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## Deterioration Curves

In order to properly plan for future repairs, the Budget Analysis module of RoadManager™ uses a deterioration curve to estimate the degradation of condition over time. As Portsmouth continues to build on its existing repair history database, the City can refine the curve to more closely approximate local conditions.

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## Strategy Table

RoadManager™ uses a table of repair strategies to assign specific road repair types to individual roadway segments. The repair strategy table incorporates PCI ranges as well as functional class and pavement type to simulate decisions consistent with Portsmouth repair practice and procedure. The strategy table was customized for Portsmouth to recommend the types of repairs that the City has found to be best suited to Portsmouth's roadway network.

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## Project Prioritization

The Budget Analysis module prioritizes needed system repairs based on the estimated "Benefit Value". The Benefit Value formula is calculated using variables representing traffic volume, repair service life, PCI, and unit repair costs for each pavement management section. For each plan year, the software prepares a future roadway condition projection, exhausts the assigned budget, and then produces an annual list of roads included in the repair program. The system also allows the user to enter an inflation rate to account for estimated increases in future year construction costs.

The Benefit Value prioritization process generally favors cost effective maintenance alternatives. Repair actions are typically delayed on those sections that require reconstruction or major rehabilitation because the benefits for dollars spent are generally lower than maintenance candidates. After the relatively good roads are "saved", improvements are directed towards the poorer arterial and collector roads.

## Existing Conditions

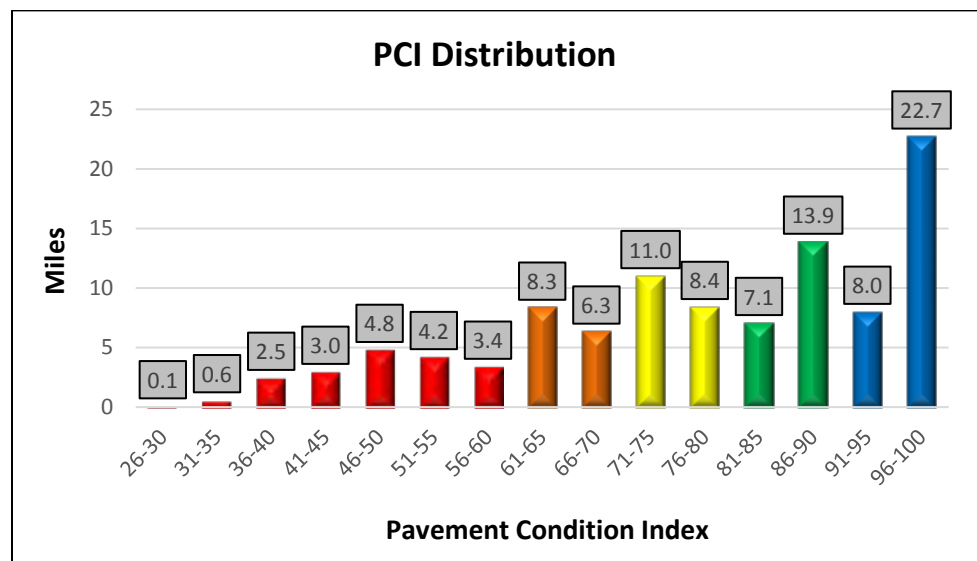
### City Maintained Streets Pavement Conditions

In the summer of 2016, VHB resurveyed the pavement condition of 25.1 miles of Portsmouth’s total 104.1 mile City-maintained road network. By hiring VHB to resurvey 25% of the City’s roads each year, and updating the roads where maintenance and resurfacing has been performed, Portsmouth has maintained an up-to-date Pavement Management System.

**The projected average Pavement Condition Index (PCI) for Portsmouth roads is a 78.** The average PCI is considered “projected” because the calculation of an average PCI involves the use of deterioration curves to project today’s PCI for roads that were not surveyed this year. A PCI of 78 represents a road in fair condition that would soon be in need of resurfacing.

The following chart shows a detailed breakdown of the projected condition of Portsmouth’s roads by summing the number of miles of roadway into bands of 5 PCI points.

Figure 2 – PCI Distribution





### Backlog of Work

Applying the five treatment bands shown in Table 1 and the unit costs shown in Appendix C to Portsmouth’s street network, the following table gives the miles and dollars associated with each treatment band for the conditions at the time of the evaluation.

**Table 2 – Summary of Miles and Dollars of Outstanding Work (Including Pease Area)**

Treatment band	Miles	Dollar Backlog
Do Nothing	28.1	\$0
Routine Maintenance	16.5	\$86,000
Preventive Maintenance	19.1	\$542,000
Structural Improvement	22.0	\$3,602,000
Base Rehabilitation	18.4	\$9,916,000
<b>Totals:</b>	<b>104.1</b>	<b>\$14,146,000</b>

The following two figures present the above information graphically

**Figure 3 – Miles of Outstanding Work**

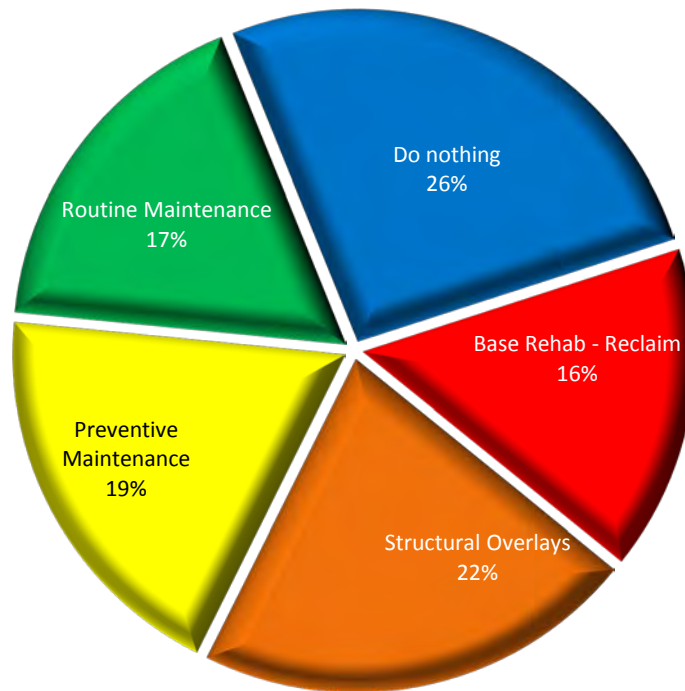
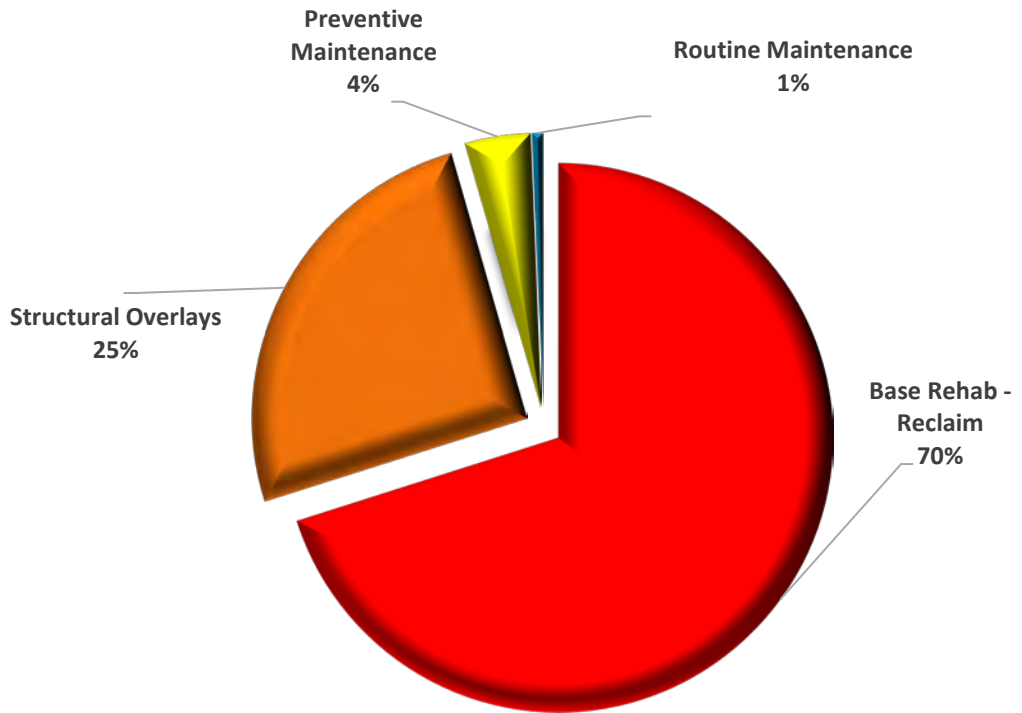


Figure 4 - Dollars of Outstanding Work

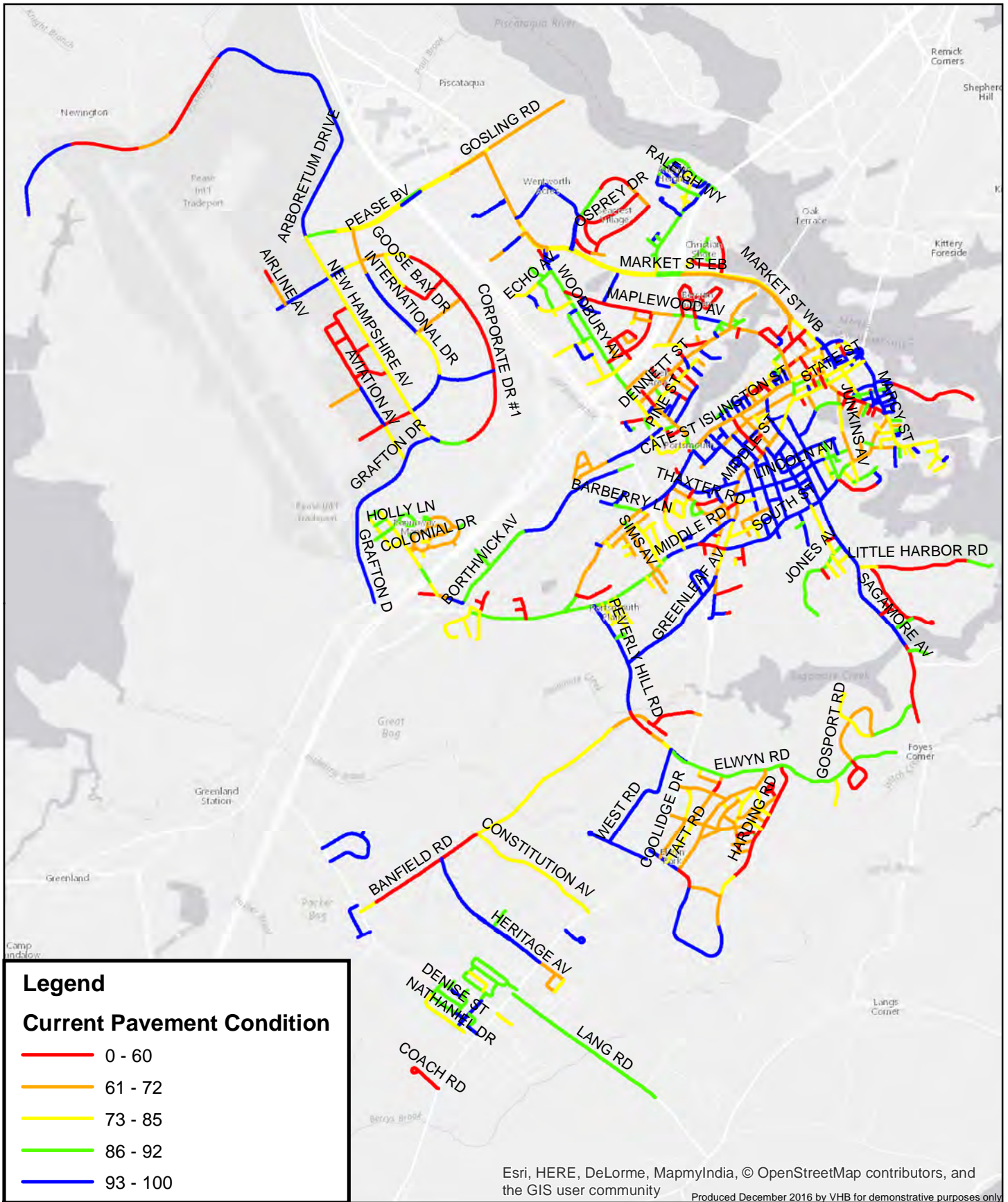


Figures 3 and 4 demonstrate that while only approximately 18% of the City's roads are in need of Base Rehabilitation level of repair, they account for almost 70% of the outstanding backlog of work. Base rehabilitation is the most expensive category of street repair. Also of note that approximately one third of the City's miles is in need of preservation treatments. It makes good fiscal sense to spend the funds to extend the lives of the large number of streets in need of maintenance.

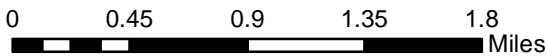
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## GIS Map of Current Pavement Conditions

By linking the City's pavement database to a GIS roadway centerline, the City has the ability to create maps to help in the analysis and presentation of the information within the database. The City can easily map current and projected pavement conditions based on numerous potential funding scenarios, and create plans for single or multi-year road programs. The map on the following page which displays the current pavement condition is one example of the type of mapping possible.



# Portsmouth 2016 Pavement Resurvey

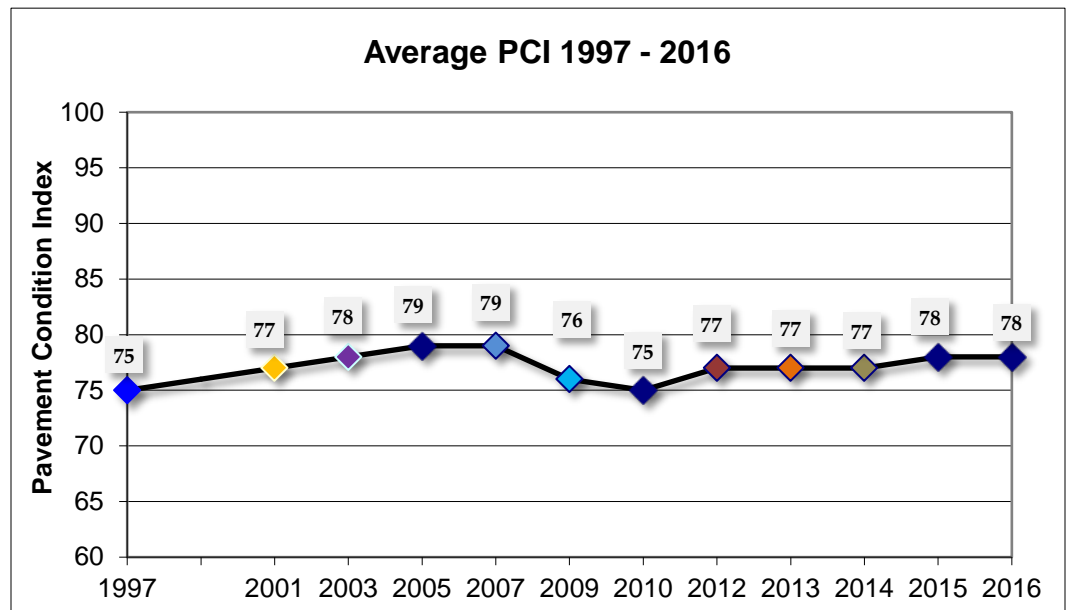


## Trends

As the pavement management system has been updated over the years, VHB has been able to track the change in overall condition to the City's pavement network.

The following chart shows the change in City-wide average PCI since 1997.

Figure 6 – Average PCI 2007-2016

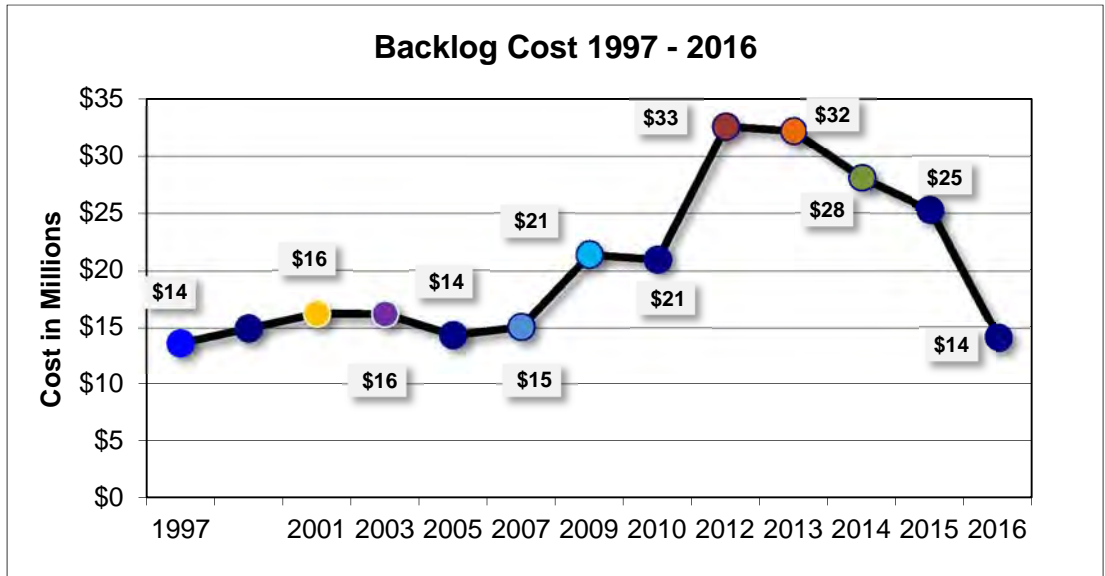


**\*\*\*In 2008, no pavement work was completed**

It appears that since the pavement management system was implemented, the average City-wide PCI increased steadily for 10 years, then dropped a few points but is continuing with the slight increase of recent years.



Figure 7 – Backlog of Cost 2007-2016\*



In looking at the backlog history chart, it must be noted that periodically the construction costs and computer algorithms used to estimate the backlog are updated. For example, in 2012, the City modified the algorithm to a base assumption that most failed roadways would require full depth reconstruction of the roadway gravel base layers and that we would always add drainage improvements as roads were reconstructed, thus a large increase in the backlog was seen. This repair strategy algorithm was again reviewed in 2016 and it was modified to reflect the latest innovations and approaches of reclaiming and then fortifying the existing gravels of these failed roads as long as they had indications of good base strength, rather than assuming full depth reconstruction. Roads with poor base strength and/or poor drainage will still be reconstructed as was assumed before. This latest change is reflected in the reduced cost to the current backlog of work as shown in the chart. It should also be noted that this backlog is the cost to recondition the roadway pavements only and do not include the typical ancillary costs such as drainage, curbing and sidewalks

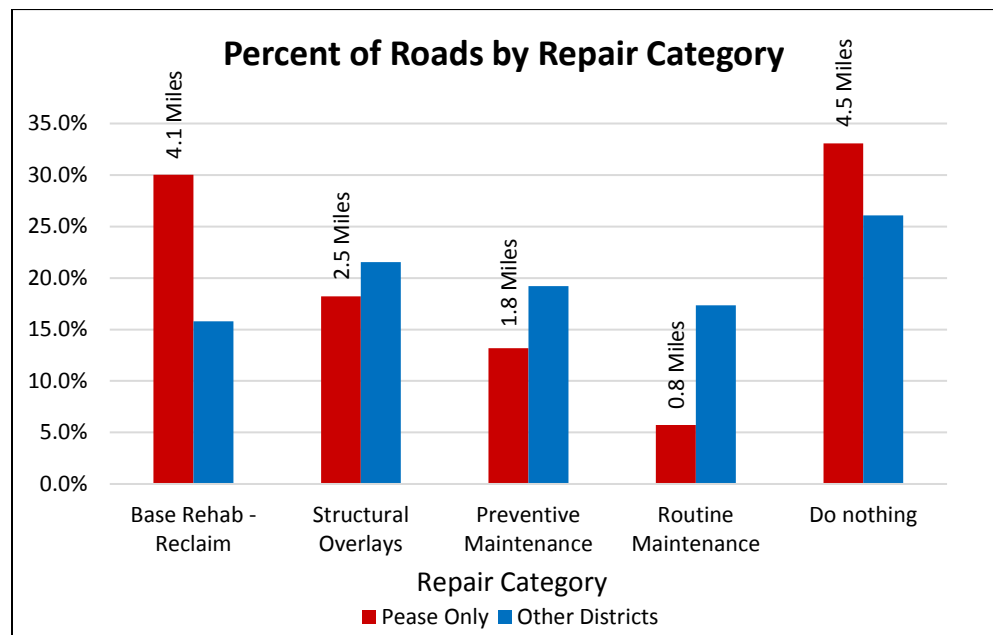
## Pease Area

The average PCI for roads in Pease vs. all roads in Portsmouth

- Pease: **74 PCI**
- All: **78 PCI**

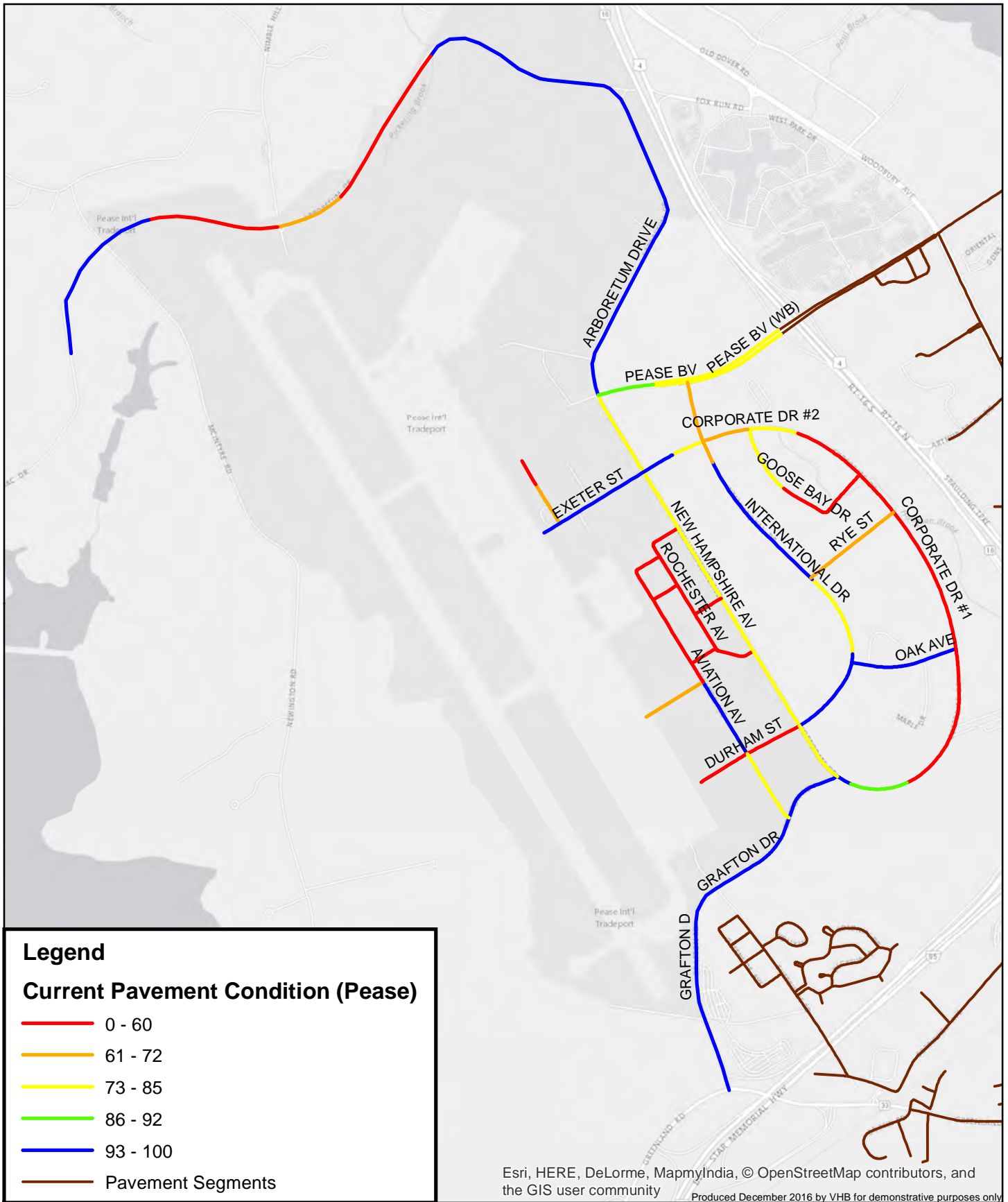
In terms of level of repair needed, the following chart compares Pease to the rest of the city. The total number of miles for public roads in Pease is approximately 13.6 miles. The total number of public roads not including the district of Pease in the city of Portsmouth is 90.5 miles. The percentages in the following graph were determined using the total mileage for each respective area.

Figure 8 – Pease Comparison

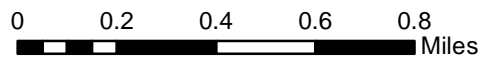


Recent projects have begun to bridge the gap in the disparity between city-wide conditions and the Pease area, however, it appears that Pease still has a higher percentage of roads in the poorest condition category.





# Portsmouth 2016 Pavement Resurvey (Pease)



## Budget Analysis

Portsmouth has a major investment in its 104.1 City maintained road network. It is easy to forget that roadways are a community's single largest investment. Based on Portsmouth's unit cost for reconstruction, without considering signs, signals, curbing, or sidewalks, it would cost Portsmouth well over \$100,000,000 in today's dollars to replace the existing City maintained roadway infrastructure. The final phase of the pavement management process that VHB undertook for this report was the examination of various annual spending levels.

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### Scenarios Explored

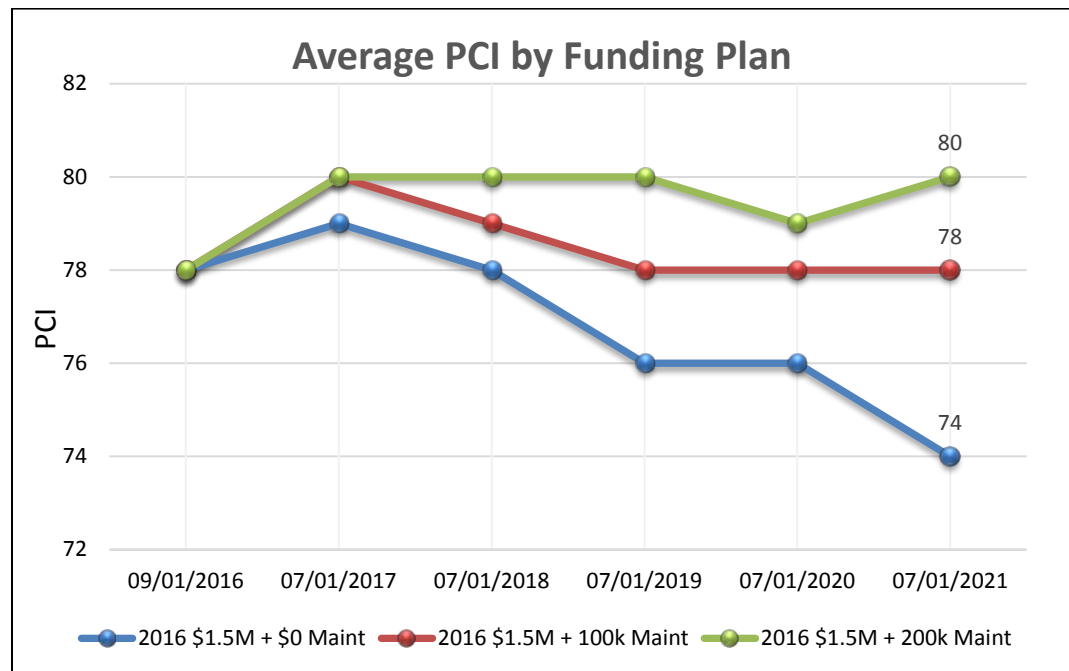
VHB projected the PCI and backlog for three 5-year scenarios. All analysis includes **\$1.5 million dollars for Capital Improvements** with varying amounts of money allocated to maintenance. The program for each scenario also includes road projects for which funding has already been allocated. The anticipated cost of the 2017 road program is approximately \$3,513,267.

- **\$ 1,500,000 Capital Only**
- **\$ 1,500,000 Capital + \$ 100,000 Maintenance**
- **\$ 1,500,000 Capital + \$ 200,000 Maintenance.**

## Summary of Budgets

The following graph show the effects of the three funding levels analyzed on Portsmouth's street network over the next 5 years. It is apparent performing no maintenance would be detrimental to Portsmouth's road conditions. The dollar amounts seen in this scenario chart start in 2017, as the 2016 paving season is completed.

Figure 10 – PCI Summary



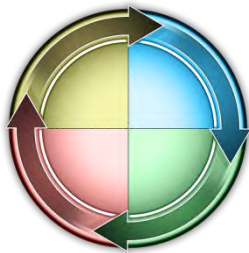
## Concluding Remarks

The City of Portsmouth has a pavement management system based on updated road condition data collected in 2016. The Portsmouth pavement management system gives City decision-makers a picture of existing roadway infrastructure conditions and a dollar estimate to improve streets in poor condition while protecting those pavements currently in good condition.

**The Pavement Management System being implemented by the City is a planning tool, with primary functions of determining the funding levels required to achieve City wide condition goals, and to identify candidate road projects to achieve those goals. Any project list generated by the system needs to be reviewed by the Engineering Department staff and adjusted based on numerous factors, including coordination with utility work, and geographic issues.**

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### Recommendations – *Pavement Management*



- Budget adequate funds to achieve pavement condition goals
- Make timely maintenance repairs
- Repair localized base problems before applying an overlay
- Address major rehabilitation needs as funding allows
- **Develop multi-year road programs**
- Coordinate with local utilities to perform upgrades and repairs in advance of projected construction projects
- **Perform project level testing prior to major rehabilitation projects to ensure proper life of new pavement**
- **Provide for construction inspection at the plant and in the field to ensure quality material is provided and quality work is being performed**
- Update database to reflect work that is done (maintains accuracy of system)
- Update pavement conditions at a minimum of every 4 years or 25% per year
- Track specific and overall conditions periodically
- **Evaluate funding levels periodically**



# Appendix A

## Backlog List Alphabetical ■

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\*All Backlogs are based from PCI's projected to September 2016

# **Pavement Backlog Report - Alphabetical**

<b><u>Street Name</u></b>	<b><u>From Segment</u></b>	<b><u>To Segment</u></b>	<b><u>Alternative</u></b>	<b><u>Length</u></b>	<b><u>PCI</u></b>	<b><u>Repair Cost</u></b>	<b><u>Benefit</u></b>
ADAMS AV	HARDING RD	DEAD END	Overlay LO	468	67	\$15,287	3
AIRLINE AV	EXETER ST	700' N OF EXETER ST	Overlay LO	700	69	\$34,313	3
AIRLINE AV	700' N OF EXETER ST	GATE	Full Depth Reclaim LO	422	59	\$32,076	3
ALBACORE WAY	SARATOGA WAY	CRESCENT WAY	Do Nothing	626	95	\$0	0
ALBANY ST	BREWERY	CASS ST	Do Nothing	231	100	\$0	0
ALBANY ST	ISLINGTON ST	BREWERY LN	Do Nothing	506	95	\$0	0
ALDER WAY	KANE ST	DEAD END	Overlay LO	208	61	\$5,662	7
ALDRICH CT	ALDRICH RD	DEAD END	Do Nothing	194	100	\$0	0
ALDRICH RD	JOFFRE TE	MIDDLE ST	Do Nothing	922	100	\$0	0
ALDRICH RD	ISLINGTON ST	JOFFRE TE	Do Nothing	993	100	\$0	0
ANDREW JARVIS DR	LAFAYETTE RD	HIGH SCHOOL PARKING LOT	Fortified Reclaim LO	812	47	\$71,445	3
ANNE AV	ROBERTS AV	JOAN AV	Crackseal & Patch	425	82	\$2,244	19
ARBORETUM DRIVE	3653' E OF SHORT ST	2682' E OF SHORT ST	Fortified Reclaim LO	971	41	\$78,633	8
ARBORETUM DRIVE	2682' E OF SHORT ST	1093' E OF SHORT ST	Fortified Reclaim LO	1,590	44	\$128,683	7
ARBORETUM DRIVE	570' N OF PEASE BLVD	2255' N OF PEASE BLVD	Do Nothing	1,685	93	\$0	0
ARBORETUM DRIVE	WILDLIFE REFUGE ROAD CLOSURE	DEAD END	Do Nothing	2,655	100	\$0	0
ARBORETUM DRIVE	5511' E OF SHORT ST	3653' E OF SHORT ST	Do Nothing	1,858	100	\$0	0
ARBORETUM DRIVE	2255' N OF PEASE BLVD	2722' N OF PEASE BLVD	Do Nothing	467	95	\$0	0
ARBORETUM DRIVE	5553' N OF PEASE BLVD	5511' E OF SHORT ST	Do Nothing	836	95	\$0	0
ARBORETUM DRIVE	PEASE BLVD	570' N OF PEASE BLVD	Do Nothing	570	95	\$0	0
ARBORETUM DRIVE	2722' N OF PEASE BLVD	5553' N OF PEASE BLVD	Do Nothing	2,831	99	\$0	0
ARBORETUM DRIVE	1093' E OF SHORT ST	SHORT ST	Overlay LO	1,093	64	\$27,380	6
ARBORETUM DRIVE	SHORT ST	WILDLIFE REFUGE ROAD CLOSURE	Full Depth Const. LO	2,002	40	\$377,196	4
ARTHUR F BRADY DR	APPLEBEE'S DRIVEWAY	800' S OF WOODBURY AVE	Do Nothing	579	100	\$0	0
ARTHUR F BRADY DR	800' S OF WOODBURY AVE	STATE ON-RAMP	Overlay LO	501	67	\$21,833	6
ARTHUR F BRADY DR	WOODBURY AV	APPLEBEE'S DRIVEWAY	Overlay LO	233	67	\$10,126	6
ARTHUR RD	CLEVELAND DR	TAYLOR RD	Crackseal & Patch	634	80	\$3,347	19
ASH ST	WILLARD AV	DEAD END	Crackseal & Patch	357	81	\$1,382	10
ASH ST	ORCHARD ST	WILLARD AV	Overlay LO	279	67	\$9,114	6
ASHLAND ST	CUTTS AV	CENTRAL AV	Fortified Reclaim LO	350	35	\$18,477	9



<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
ATKINSON ST	STATE ST	COURT ST	Do Nothing	191	94	\$0	0
AUSTIN ST	SUMMER ST	CABOT ST	Prev. Maintenance	497	72	\$8,117	11
AUSTIN ST	MIDDLE ST	SUMMER ST	Do Nothing	481	100	\$0	0
AUSTIN ST	CABOT ST	UNION ST	Do Nothing	339	100	\$0	0
AUSTIN ST	UNION ST	MADISON ST	Do Nothing	251	100	\$0	0
AUTUMN ST	HILL ST	HANOVER ST	Do Nothing	117	100	\$0	0
AVIATION AV	GRAFTON DR	DURHAM ST	Crackseal & Patch	1,177	82	\$6,421	19
AVIATION AV	HAMPTON RD	ROCHESTER AV	Fortified Reclaim LO	2,409	37	\$245,843	4
AVIATION AV	DURHAM ST	HAMPTON RD	Do Nothing	1,298	93	\$0	0
BALL ST	NEW CASTLE AV	DEAD END	Crackseal & Patch	207	81	\$437	10
BANFIELD RD	541' N OF OCEAN RD	OCEAN RD	Crackseal & Patch	542	84	\$2,384	332
BANFIELD RD	750' S OF PEVERLY HILL R	CONSTITUTION AV	Crackseal & Patch	5,045	77	\$21,307	362
BANFIELD RD	CONSTITUTION AV	541' N OF OCEAN RD	Full Depth Reclaim AR/CO	3,514	60	\$364,452	66
BANFIELD RD	475' S OF PEVERLY HILL R	750' S OF PEVERLY HILL R	Overlay AR/CO	275	67	\$7,259	80
BANFIELD RD	PEVERLY HILL RD	475' S OF PEVERLY HILL R	Overlay AR/CO	475	66	\$22,464	82
BARBERRY LN	ISLINGTON ST	FOCH AV	Crackseal or Patch	736	88	\$486	46
BARBERRY LN	FOCH AV	DEAD END	Do Nothing	424	93	\$0	0
BARTLETT ST	500' W OF ISLINGTON ST	THORNTON ST	Overlay AR/CO	1,303	71	\$50,158	110
BARTLETT ST	ISLINGTON ST	500' W OF ISLINGTON ST	Crackseal or Patch	500	87	\$610	3,137
BARTLETT ST	THORNTON ST	DENNETT ST	Full Depth Reclaim AR/CO	338	48	\$51,821	119
BARTLETT ST	DENNETT ST	DEAD END	Full Depth Reclaim LO	206	55	\$10,245	3
BAYCLIFF RD	NEW CASTLE AV	DEAD END	Crackseal & Patch	347	81	\$1,832	10
BEECHWOOD ST	CENTRAL AV	CUTTS ST	Fortified Reclaim LO	348	41	\$28,170	8
BENSON ST	SIMS AV	DEAD END	Prev. Maintenance	249	73	\$1,972	5
BERSUM LN	BROAD ST	MILLER AV	Do Nothing	339	100	\$0	0
BIRCH ST	KEARSARGE WY	DEAD END	Crackseal or Patch	132	89	\$87	45
BLOSSOM ST	SOUTH ST	DEAD END	Crackseal or Patch	221	90	\$117	45
BLUE HERON DR	SHEARWATER DR	DUNLIN WY	Full Depth Reclaim LO	2,157	58	\$126,209	6
BORTHWICK AV	400' S OF RT 1 BY-PASS	RT 1 BY-PASS	Crackseal or Patch	430	87	\$993	1,209
BORTHWICK AV	GREENLAND RD	2750' N OF GREENLAND RD	Crackseal or Patch	2,745	87	\$3,713	1,209
BORTHWICK AV	2750' N OF GREENLAND RD	400' S OF RT 1 BY-PASS	Crackseal or Patch	3,503	93	\$3,583	1,134
BOSS AV	ALDRICH RD	110' S OF SUNSET RD	Do Nothing	425	100	\$0	0
BOSS AV	110' S OF SUNSET RD	MIDDLE RD	Overlay LO	627	71	\$15,019	6

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
BOW ST	464' N OF DANIEL ST	100' W OF CHAPEL ST	Crackseal or Patch	246	93	\$162	260
BOW ST	DANIEL ST	464' N OF DANIEL ST	Prev. Maintenance	454	73	\$6,291	32
BOW ST	100' W OF CHAPEL ST	MARKET ST #1	Do Nothing	406	100	\$0	0
BOYAN PL	PLEASANT POINT DR	CUL DE SAC	Crackseal & Patch	276	85	\$1,808	9
BOYD RD	WOODBURY AV	RT 1 BY PASS RAMP	Full Depth Reclaim LO	837	55	\$51,423	7
BRACKETT LN	BRACKETT RD	SOUTH ST	Crackseal & Patch	540	85	\$2,566	182
BRACKETT RD	HAVEN ST	DEAD END	Crackseal or Patch	829	87	\$656	46
BREWERY LN	PARKING LOT (JEWELL CT)	60' WEST OF JEWELL CT	Prev. Maintenance	140	72	\$1,940	11
BREWERY LN	60' WEST OF JEWELL CT	200' EAST OF JEWELL CT	Do Nothing	260	93	\$0	0
BREWERY LN	200' EAST OF JEWELL CT	CASS ST	Do Nothing	251	99	\$0	0
BREWSTER ST	ISLINGTON AV	DEAD END	Crackseal & Patch	587	77	\$2,066	10
BRIDGE ST	DEER ST	HANOVER ST	Crackseal & Patch	372	77	\$2,291	60
BRIDGE ST	HANOVER ST	ISLINGTON ST	Do Nothing	379	100	\$0	0
BRIGHAM LN	CUTTS AV	CUL-DE-SAC	Crackseal or Patch	558	91	\$743	88
BROAD ST	SOUTH ST	JONES AVE	Prev. Maintenance	1,541	73	\$24,412	106
BROAD ST	LINCOLN AVE	SOUTH ST	Do Nothing	963	95	\$0	0
BROAD ST	82' S OF HIGHLAND ST	LINCOLN ST	Do Nothing	201	100	\$0	0
BROAD ST	MERRIMAC ST	82' S OF HIGHLAND ST	Do Nothing	664	100	\$0	0
BUCKMINSTER WAY	OCEAN RD (S)	938' N OF OCEAN DR (S)	Do Nothing	944	100	\$0	0
BUCKMINSTER WAY	938' N OF OCEAN DR (S)	OCEAN DR (N)	Do Nothing	2,170	100	\$0	0
BURKITT ST	CLINTON ST	THORNTON ST	Overlay LO	575	63	\$16,278	6
BURKITT ST	THORNTON ST	DENNETT ST	Full Depth Reclaim LO	296	58	\$22,515	6
BURKITT ST EXT	DENNETT ST	140' W OF DENNETT ST	Fortified Reclaim LO	127	53	\$13,409	3
CABOT ST	MIDDLE ST	ISLINGTON ST	Overlay LO	1,250	64	\$43,553	21
CABOT ST	ISLINGTON ST	DEAD END	Do Nothing	445	98	\$0	0
CAMPUS DRIVE	WEST RD	CUL DE SAC LOOP	Do Nothing	811	100	\$0	0
CARDINAL LN	WINCHESTER ST	DEAD END	Do Nothing	304	98	\$0	0
CASS ST	ALBANY ST	ISLINGTON ST	Do Nothing	514	98	\$0	0
CASS ST	MIDDLE ST	ALBANY ST	Do Nothing	1,038	98	\$0	0
CATE ST	COTTAGE ST	547' S OF BARTLETT ST	Crackseal & Patch	929	79	\$3,270	36
CATE ST	547' S OF BARTLETT ST	BARTLETT ST	Prev. Maintenance	541	78	\$7,497	15
CENTRAL AV	280' W OF CUTTS ST	MAPLEWOOD AV	Fortified Reclaim LO	706	39	\$69,573	8
CENTRAL AV	CUTTS ST	280' W OF CUTTS ST	Full Depth Reclaim LO	277	43	\$22,691	9

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
CENTRAL AV	MAPLEWOOD AV	MYRTLE AV S	Overlay LO	966	65	\$29,451	6
CENTRE ST	BOYD RD	GARDEN ST	Do Nothing	292	100	\$0	0
CERES ST	BOW ST	DEAD END (PRIVATE LOT)	Do Nothing	344	100	\$0	0
CHAPEL CT	CHAPEL ST	PARKING LOT	Crackseal & Patch	130	84	\$366	18
CHAPEL ST	BOW ST	DANIEL ST	Full Depth Reclaim LO	472	58	\$30,379	6
CHAPEL ST	DANIEL ST	STATE ST	Do Nothing	287	100	\$0	0
CHASE DR	MICHAEL SUCCI DR	CUTTS AV EX	Fortified Reclaim LO	913	51	\$89,972	6
CHATHAM ST	WINTER ST	SUMMER ST	Crackseal & Patch	371	82	\$1,240	4
CHAUNCY ST	WIBIRD ST	UNION ST	Do Nothing	335	100	\$0	0
CHESTNUT ST #1	CONGRESS ST	PORTER ST	Full Depth Reclaim LO	188	50	\$9,900	8
CHESTNUT ST #2	STATE ST	DEAD END	Do Nothing	135	100	\$0	0
CHEVROLET AV	CASS ST	ALBANY ST	Do Nothing	239	95	\$0	0
CHURCH ST	CONGRESS ST	70' S OF CONGRESS ST	Do Nothing	68	98	\$0	0
CHURCH ST	STATE ST	DEAD END	Full Depth Reclaim LO	260	55	\$11,409	3
CHURCH ST	70' S OF CONGRESS ST	STATE ST	Full Depth Reclaim LO	352	54	\$15,443	3
CLEVELAND DR	TAFT RD	VAN BUREN AV	Crackseal & Patch	1,194	77	\$6,093	20
CLIFF RD	SAGAMORE AV	CLIFF RD #2	Full Depth Reclaim LO	326	51	\$22,890	7
CLIFF RD #2	DEAD END	DEAD END	Fortified Reclaim LO	317	47	\$26,776	3
CLINTON ST	STARK ST	SPARHAWK ST	Do Nothing	469	97	\$0	0
CLINTON ST	BARTLETT ST	STARK ST	Do Nothing	829	97	\$0	0
CLOUGH DR	855' E OF SOUTH ST	478' S OF BRACKET RD	Full Depth Reclaim LO	463	47	\$47,409	8
CLOUGH DR	478' S OF BRACKET RD	BRACKET RD	Do Nothing	470	97	\$0	0
CLOUGH DR	SOUTH ST	855' E OF SOUTH ST	Full Depth Reclaim LO	839	59	\$58,909	6
CLOVER LA	FARM LA	MEADOW RD	Do Nothing	748	95	\$0	0
COACH RD	LAFAYETTE RD	CUL-DE-SAC LOOP	Full Depth Reclaim LO	1,295	58	\$121,235	3
COAKLEY RD	606' W OF RTE BYPASS	COAKLEY RD (LOOP)	Overlay LO	2,601	65	\$84,962	11
COAKLEY RD	RT 1 BY PASS	606' W OF RTE BYPASS	Do Nothing	606	100	\$0	0
COFFIN CT	CABOT ST	UNION ST	Fortified Reclaim LO	335	42	\$12,969	7
COLONIAL DR	SHERBURNE RD	2500' N OF SHERBURNE RD	Overlay LO	2,509	61	\$71,029	7
COLONIAL DR	2500' N OF SHERBURNE RD	SHERBURNE RD	Overlay LO	1,592	70	\$45,069	6
COLUMBIA CT	COLUMBIA ST	DEAD END	Do Nothing	207	100	\$0	0
COLUMBIA ST	STATE ST	ISLINGTON ST	Do Nothing	498	100	\$0	0
COMMERCE WAY	WOODBURY AV	PORTSMOUTH BLVD	Do Nothing	2,798	100	\$0	0

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CONCORD WY	PREBLE WY	CRESCENT WY	Do Nothing	1,393	95	\$0	0
CONGRESS ST	PLEASANT ST	MIDDLE ST	Crackseal & Patch	998	73	\$7,025	314
CONSTITUTION AV	LAFAYETTE RD	350' W OF LAFAYETTE RD	Crackseal & Patch	350	81	\$2,464	77
CONSTITUTION AV	1810' W OF LAFAYETTE RD	BANFIELD RD	Crackseal & Patch	2,260	80	\$13,124	128
CONSTITUTION AV	350' W OF LAFAYETTE RD	1810' W OF LAFAYETTE RD	Crackseal & Patch	1,460	79	\$8,221	133
COOLIDGE DR	MCKINLEY RD	WILSON RD	Crackseal & Patch	960	78	\$4,392	20
COOLIDGE DR	HOOVER DR	MCKINLEY RD	Overlay LO	1,364	66	\$32,674	6
COOLIDGE DR EX (Y INT)	WILSON RD	COOLIDGE DR	Crackseal & Patch	128	83	\$788	19
CORNWALL ST	ISLINGTON AV	MCDONOUGH ST	Do Nothing	358	100	\$0	0
CORPORATE DR #1	228' E OF GRAFTON DR	1117' E OF GRAFTON	Crackseal or Patch	889	88	\$733	912
CORPORATE DR #1	NEW HAMPSHIRE AV	GRAFTON DR	Prev. Maintenance	983	74	\$12,649	105
CORPORATE DR #1	1117' E OF GRAFTON	RYE ST	Full Depth Reclaim AR/CO	4,692	54	\$550,101	33
CORPORATE DR #1	GRAFTON DR	228' E OF GRAFTON DR	Do Nothing	228	100	\$0	0
CORPORATE DR #2	772' E OF GOOSE BAY DR W	GOOSE BAY DR (W)	Prev. Maintenance	774	73	\$17,238	212
CORPORATE DR #2	RYE ST	772' E OF GOOSE BAY DR W	Full Depth Reclaim AR/CO	1,926	48	\$225,809	46
CORPORATE DR #2	GOOSE BAY DR (W)	INTERNATIONAL DR	Crackseal & Patch	716	72	\$6,930	172
COTTAGE ST	WOODBURY AV	RT 1 BYPASS RAMP	Do Nothing	1,170	100	\$0	0
COURT PL	STATE ST	COURT ST	Crackseal or Patch	193	87	\$229	92
COURT ST	MARCY ST	PLEASANT ST	Crackseal & Patch	1,250	80	\$5,059	194
COURT ST	PLEASANT ST	MIDDLE ST	Prev. Maintenance	1,111	74	\$18,145	105
CRESCENT WY	470' W OF KEARSAGE WY	ALBACORE WY	Crackseal or Patch	956	86	\$788	47
CRESCENT WY	KEARSAGE WY	470' W OF KEARSAGE WY	Crackseal or Patch	470	87	\$387	46
CUSTOM HOUSE CT	PENHALLOW ST	DEAD END	Do Nothing	175	94	\$0	0
CUTTS AV	CHASE DR	DEAD END (N)	Crackseal or Patch	792	87	\$627	369
CUTTS AV	DEAD END (S)	CHASE DR	Prev. Maintenance	261	76	\$3,100	5
CUTTS ST	MAPLEWOOD AV	ASHLAND ST	Fortified Reclaim LO	261	39	\$25,720	8
CUTTS ST	RT 1 BY PASS	MAPLEWOOD AV	Crackseal or Patch	396	86	\$444	933
CUTTS ST	ASHLAND ST	CENTRAL ST	Fortified Reclaim LO	763	39	\$91,302	32
DANIEL ST	BOW ST	MARKET ST	Crackseal or Patch	941	93	\$1,242	1,125
DANIEL ST	STATE ST	BOW ST	Do Nothing	307	95	\$0	0
DAVIS RD	GRIFFIN RD	CUL DE SAC	Crackseal & Patch	574	85	\$3,515	9
DEARBORN ST	MAPLEWOOD AV	DEAD END	Full Depth Const. LO	265	40	\$32,570	2
DECATUR RD	COLONIAL DR	COLONIAL DR	Overlay LO	1,042	64	\$28,364	6

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DEER ST	BRIDGE ST	MAPLEWOOD AV	Crackseal or Patch	350	87	\$404	1,476
DEER ST	MAPLEWOOD AV	RUSSELL ST	Full Depth Reclaim AR/CO	447	60	\$100,873	95
DEER ST	RUSSELL ST	MARKET ST	Full Depth Reclaim LO	483	41	\$70,693	238
DENISE ST	MARIETTE DR	MARIETTE DR	Crackseal or Patch	893	88	\$825	91
DENNETT ST	BURRITT ST	100' S OF MILL POND WAY	Prev. Maintenance	1,004	72	\$13,412	108
DENNETT ST	MAPLEWOOD AV	BARTLETT ST	Prev. Maintenance	312	72	\$6,181	108
DENNETT ST	100' S OF MILL POND WAY	WOODBURY AV	Prev. Maintenance	1,234	72	\$17,711	108
DENNETT ST	BARTLETT ST	BURRITT ST	Prev. Maintenance	979	72	\$15,991	108
DIAMOND DR	ONYX LA	RUBY RD	Full Depth Reclaim LO	680	57	\$49,734	7
DODGE AV	GREENLAND RD	DEAD END	Full Depth Reclaim LO	807	49	\$63,745	4
DODGE AVE #2	DODGE AV	DEAD END	Full Depth Reclaim LO	229	51	\$21,438	4
DORIS AV	SHERBURNE RD	GREENSIDE AV	Crackseal or Patch	376	89	\$310	90
DOVER ST	ISLINGTON ST	MCDONOUGH ST	Do Nothing	307	100	\$0	0
DRIFTWOOD LN	NEW CASTLE AV	DEAD END	Do Nothing	280	97	\$0	0
DUNLIN WAY	BLUE HERON DR	PORTSMOUTH BLVD	Crackseal & Patch	875	72	\$3,080	22
DURGIN LN #2	DURGIN LN (EB & WB)	DEAD END	Do Nothing	903	100	\$0	0
DURGIN LN EB	END OF ISLAND	WOODBURY AV	Do Nothing	248	100	\$0	0
DURGIN LN WB	WOODBURY AV	END OF ISLAND	Do Nothing	248	100	\$0	0
DURHAM ST	NEW HAMPSHIRE AV	AVIATION AV	Fortified Reclaim LO	970	40	\$88,761	8
DURHAM ST	AVIATION AV	DEAD END	Fortified Reclaim LO	768	38	\$54,059	4
DUTTON AV	MARCY ST	SCOTT AV	Do Nothing	461	99	\$0	0
DWIGHT AV	TYLER AV	VAN BUREN AV	Full Depth Reclaim LO	510	48	\$50,729	8
ECHO AV	SPAULDING TP	HILLCREST DR	Prev. Maintenance	865	73	\$10,275	21
ECHO AV	HILLCREST DR	WOODBURY AV	Crackseal or Patch	499	89	\$395	130
EDGEWOOD RD	ELWYN RD	250' S OF ELWYN RD	Crackseal & Patch	246	76	\$1,450	20
EDGEWOOD RD	250' S OF ELWYN RD	GRANT AV	Overlay LO	622	65	\$26,413	6
EDMOND AV	MAPLEWOOD AV	WOODBURY AV	Fortified Reclaim LO	2,043	47	\$179,757	7
EDWARD ST	PLEASANT ST	200' N OF JUNKINS ST	Full Depth Const. LO	260	37	\$42,608	4
EDWARDS ST	200' N OF JUNKINS ST	JUNKINS ST	Overlay LO	204	63	\$4,442	26
ELM CT	ISLINGTON ST	DEAD END	Fortified Reclaim LO	107	44	\$6,778	4
ELWYN AV	SOUTH ST	ROCKLAND ST	Crackseal or Patch	1,114	91	\$1,103	88
ELWYN RD	EDGEWOOD RD	LAFAYETTE RD	Crackseal or Patch	447	87	\$855	923
ELWYN RD	RYE TOWN LINE	EDGEWOOD RD	Crackseal or Patch	6,161	87	\$6,098	923

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ESSEX AV	MELBOURNE ST	MIDDLE RD	Overlay AR/CO	1,404	61	\$49,413	49
ESSEX AV	ISLINGTON ST	MELBOURNE ST	Crackseal or Patch	244	86	\$209	933
EXETER ST	NEW HAMPSHIRE AV	AIRLINE AV	Do Nothing	1,788	100	\$0	0
F W HARTFORD DR	TAFT RD	T J GAMESTER AV (W)	Full Depth Reclaim LO	611	47	\$57,210	8
F W HARTFORD DR	840' S OF T J GAMESTER AV	HARDING RD	Overlay LO	833	67	\$29,024	6
F W HARTFORD DR	T J GAMESTER AV (W)	840' S OF T J GAMESTER AV	Do Nothing	3,872	100	\$0	0
FAIRVIEW AV	MAPLEWOOD AV	OLEARY PL	Overlay LO	248	71	\$11,886	6
FAIRVIEW AV	OLEARY PL	EDMOND AV	Overlay LO	463	70	\$12,601	6
FAIRVIEW DR	MAPLEWOOD AV	DEAD END	Do Nothing	831	97	\$0	0
FALKLAND PL	RANGER WY	KEARSAGE WY	Crackseal & Patch	225	82	\$1,109	19
FALKLAND WY	KEARSARGE WY	DEAD END	Crackseal & Patch	112	82	\$374	9
FARM LN	25' W OF MEADOW RD	SPAULDING TP	Prev. Maintenance	928	76	\$13,779	18
FARM LN	WOODBURY AV	25' W OF MEADOW RD	Crackseal or Patch	331	88	\$284	161
FELLS RD	THAXTER RD	THAXTER RD	Crackseal or Patch	702	86	\$811	93
FERNALD CT	NEW CASTLE AV	DEAD END	Crackseal or Patch	291	91	\$230	44
FIELDS RD	SEWALL RD	SEWALL RD	Crackseal & Patch	632	82	\$3,336	19
FILMORE RD	DEAD END	VAN BUREN AV	Overlay w/mill LO	165	63	\$7,264	5
FILMORE RD	VAN BUREN AV	HARDING RD	Overlay w/mill LO	442	62	\$19,393	5
FLEET ST	COURT ST	HANOVER ST	Fortified Reclaim AR/CO	1,046	44	\$135,175	14
FLETCHER ST	SIMS AV	DEAD END	Crackseal & Patch	178	76	\$626	10
FOCH AV	BARBERRY LA	DEAD END	Do Nothing	476	95	\$0	0
FRANKLIN AV	WOODBURY AV	DEAD END	Overlay w/mill LO	738	62	\$27,500	5
FRANKLIN ST	PLEASANT ST	DEAD END	Fortified Reclaim LO	244	45	\$18,893	3
FRENCHMAN'S LN	ISLINGTON ST	DEAD END	Fortified Reclaim LO	221	40	\$15,556	4
FRIEND ST	CASS ST	DEAD END	Do Nothing	198	100	\$0	0
GARDEN ST	CENTRE ST	DEAD END	Crackseal or Patch	119	91	\$63	4
GARDNER ST	MECHANIC ST	MARCY ST	Do Nothing	374	100	\$0	0
GARFIELD RD	MCKINLEY RD	TAFT RD	Overlay LO	676	70	\$20,609	6
GATES ST	HANCOCK ST	MECHANIC ST	Crackseal or Patch	1,045	89	\$586	90
GEORGES TR	COLONIAL DR	COLONIAL DR	Crackseal or Patch	400	87	\$290	92
GOOSE BAY DR	CORPORATE DR (W)	1069' E OF CORPORATE DR W	Crackseal & Patch	1,071	76	\$5,654	20
GOOSE BAY DR	1897' E OF CORPORATE DR W	CORPORATE DR (E)	Full Depth Const. LO	703	37	\$126,725	16
GOOSE BAY DR	1069' E OF CORPORATE DR W	1897' E OF CORPORATE DR W	Fortified Reclaim LO	830	45	\$87,635	28



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GOSLING A	PEASE BLVD	UNDER HIGHWAY 16	Do Nothing	675	99	\$0	0
GOSLING RD	R X R TRACKS	300' E OF WOODBURY AV	Crackseal & Patch	2,533	72	\$11,144	22
GOSLING RD	130' E OF WOODBURY AV	150' W OF WOODBURY AV	Overlay AR/CO	280	71	\$7,391	143
GOSLING RD	150' W OF WOODBURY AV	WEDGEWOOD RD	Crackseal & Patch	936	76	\$12,683	693
GOSLING RD	300' E OF WOODBURY AV	130' E OF WOODBURY AV	Prev. Maintenance	170	80	\$2,524	10
GOSLING RD (EB)	WEDGEWOOD RD	END OF MEDIAN	Overlay AR/CO	1,241	71	\$40,947	143
GOSLING RD (EB)	SPAULDING TP	WEDGEWOOD DR	Crackseal & Patch	1,023	74	\$7,201	712
GOSLING RD (WB)	WEDGEWOOD RD	SPAULDING TP	Crackseal & Patch	1,022	80	\$5,395	659
GOSLING RD (WB)	UNDER RT 16	PEASE BLVD	Crackseal or Patch	671	90	\$1,062	1,786
GOSPORT RD	ELWIN RD	ODIORNE POINT RD (E)	Crackseal & Patch	2,913	72	\$16,916	22
GRAFTON D	END OF ORIGINAL RD	RT 33	Do Nothing	3,295	99	\$0	0
GRAFTON DR	CORPORATE DR	376' S OF CORPORATE DR	Do Nothing	376	94	\$0	0
GRAFTON DR	376' S OF CORPORATE DR	SHERBURNE RD	Do Nothing	2,266	99	\$0	0
GRANITE ST	WOODBURY AV	DEAD END	Do Nothing	393	97	\$0	0
GRANT AV	WILSON RD	EDGEWOOD RD	Full Depth Reclaim LO	356	47	\$20,830	8
GRANT AV	HOOVER DR	MCKINLEY RD	Crackseal & Patch	1,423	77	\$6,511	20
GRANT AV	EDGEWOOD RD	ELWYN RD	Overlay LO	244	68	\$7,970	6
GRANT AV	MCKINLEY RD	WILSON RD	Overlay LO	1,005	65	\$32,828	6
GRAY'S LN	SAGAMORE AV	BROAD ST	Full Depth Const. LO	267	43	\$19,690	3
GREEN ST	VAUGHAN ST	RUSSELL ST	Fortified Reclaim LO	487	48	\$39,422	7
GREENLAND RD	ISLINGTON ST	PEVERLY HILL RD	Crackseal or Patch	901	90	\$803	1,071
GREENLAND RD #1	GRIFFIN RD	ISLINGTON ST	Crackseal or Patch	2,789	90	\$4,601	3,262
GREENLAND RD #2	SHERBURN DR	GREENLAND RD	Overlay w/mill LO	395	68	\$14,186	9
GREENLAND RD #2	GREENLAND RD	BORTHWICK AV	Do Nothing	443	94	\$0	0
GREENLAND RD #2	DEAD END	SHERBURN DR	Fortified Reclaim LO	467	45	\$62,457	3
GREENLAND RD #3	RT 101	DEAD END	Crackseal & Patch	456	82	\$2,247	9
GREENLEAF AV	110' S OF RT 1 BY PASS	140' N OF RT 1 BY PASS	Do Nothing	250	100	\$0	0
GREENLEAF AV	340' S OF RT 1 BY PASS	110' S OF RT 1 BY PASS	Do Nothing	230	100	\$0	0
GREENLEAF AV	140' N OF RT 1 BY PASS	LAFAYETTE RD	Do Nothing	741	100	\$0	0
GREENLEAF AV	PEVERLY HILL RD	340' S OF RT 1 BY PASS	Do Nothing	2,452	100	\$0	0
GREENSIDE AV	WITMER AV	408' S OF SHERBURNE RD	Crackseal & Patch	1,086	77	\$4,778	20
GREENSIDE AV	408' S OF SHERBURNE RD	SHERBURNE RD	Crackseal & Patch	412	79	\$1,740	20
GRIFFIN RD	375' S OF GREENLAND RD	CUL-DE-SAC	Crackseal & Patch	1,043	81	\$5,045	19

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GRIFFIN RD	GREENLAND RD #1	375' S OF GREENLAND RD	Crackseal & Patch	375	85	\$1,914	18
HALL CT	COLONIAL DR	COLONIAL DR	Crackseal or Patch	291	87	\$192	92
HAMPSHIRE RD	SHEFFIELD RD	SHEFFIELD RD	Crackseal & Patch	1,288	85	\$7,706	18
HAMPSHIRE RD #2	HAMPSHIRE RD	DEAD END	Crackseal & Patch	137	78	\$579	10
HAMPTON ST	AVIATION AVE	FLIGHT LINE DR	Overlay LO	1,026	65	\$33,508	6
HANCOCK ST	PLEASANT ST	MARCY ST	Do Nothing	827	96	\$0	0
HANOVER ST	PORTWALK	100' W OF MARKET ST	Overlay AR/CO	716	61	\$34,649	20
HANOVER ST	100' W OF MARKET ST	MARKET ST	Crackseal & Patch	101	85	\$782	182
HANOVER ST	PEARL ST	BRIDGE ST	Overlay w/mill LO	551	70	\$21,998	9
HANOVER ST	ROCK ST	PEARL ST	Crackseal & Patch	144	78	\$659	20
HANOVER ST	BRIDGE ST	MAPLEWOOD AVE	Overlay AR/CO	150	63	\$7,259	48
HANOVER ST	MAPLEWOOD AVE	PORTWALK	Fortified Reclaim AR/CO	345	46	\$78,469	46
HANOVER ST #1	ROCK ST	BREWSTER ST	Full Depth Reclaim LO	284	50	\$16,617	8
HARDING RD	700' N OF T J GAMESTER	ADAMS AV	Full Depth Reclaim LO	919	56	\$88,752	7
HARDING RD	T J GAMESTER	700' N OF T J GAMESTER	Crackseal & Patch	707	83	\$4,104	19
HARDING RD	MCKINLEY RD	ELWYN RD	Full Depth Reclaim LO	971	46	\$99,425	8
HARDING RD	ADAMS AV	MCKINLEY RD	Full Depth Reclaim LO	1,822	55	\$159,911	7
HARRISON AV	MCKINLEY RD	PIERCE PL	Overlay LO	1,074	65	\$35,082	6
HARVARD ST	GREENLAND RD	DEAD END/GATE	Full Depth Reclaim LO	618	47	\$36,131	4
HAVEN RD	SOUTH ST	DEAD END	Crackseal & Patch	546	83	\$2,306	9
HAWTHORNE ST	WIBIRD ST	UNION ST	Do Nothing	368	100	\$0	0
HAYES PL	HARDING RD	MCKINLEY RD	Overlay LO	326	70	\$9,939	6
HEATHER LN	BUCKMINSTER WY	DEAD END	Do Nothing	134	100	\$0	0
HERITAGE AV	LAFAYETTE RD	1075' W OF LAFAYETTE RD	Do Nothing	1,080	98	\$0	0
HERITAGE AV	543' W OF POST RD	BANFIELD RD	Do Nothing	2,066	98	\$0	0
HERITAGE AV	100' E OF POST RD	296' W OF POST RD	Do Nothing	398	98	\$0	0
HERITAGE AV #2 (EB)	543' W OF POST RD	296' W OF POST RD	Do Nothing	255	98	\$0	0
HERITAGE AV #3 (EB)	100' E OF POST RD	600' E OF POST RD	Do Nothing	543	98	\$0	0
HERITAGE AV (WB)	296' W OF POST RD	543' W OF POST RD	Do Nothing	248	98	\$0	0
HERITAGE AV (WB)	1075' W OF LAFAYETTE RD	100' E OF POST RD	Do Nothing	507	98	\$0	0
HIGH ST	225' W OF HANOVER ST	DEER ST	Full Depth Reclaim LO	312	58	\$16,430	6
HIGH ST	HANOVER ST	225' W OF HANOVER ST	Overlay LO	220	64	\$8,384	6
HIGH ST #2	CONGRESS ST	LADD ST	Overlay LO	224	66	\$4,634	6

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
HIGHLAND ST	MILLER AV	RTE 1 (MIDDLE ST)	Do Nothing	1,479	100	\$0	0
HIGHLINER AV	BORTHWICK AV	CUL-DE-SAC	Crackseal or Patch	644	87	\$1,365	46
HILL ST	BRIDGE ST	DEAD END	Crackseal & Patch	415	81	\$1,461	10
HILLCREST DR	ECHO AVE	WOODLAWN CIR	Crackseal or Patch	946	88	\$905	46
HILLSIDE DR	GREENLEAF AV	GREENLEAF AV	Do Nothing	1,534	100	\$0	0
HOLLY LN	SHERBURNE RD	HOLLY LN	Crackseal or Patch	1,553	86	\$1,640	93
HOLMES CT	MARCY ST	DEAD END	Do Nothing	196	97	\$0	0
HOOVER DR	TAFT RD	LAFAYETTE RD	Do Nothing	1,023	94	\$0	0
HOWARD ST	WASHINGTON ST	MANNING ST	Do Nothing	318	96	\$0	0
HUMPHREY'S CT	NEW CASTLE AV	MARCY ST	Crackseal & Patch	612	85	\$2,046	18
HUNKING ST	MARCY ST	MECHANIC ST	Do Nothing	388	100	\$0	0
HUNTERS HILL	DENNETT ST	DEAD END	Fortified Reclaim LO	239	49	\$0	6
INTERNATIONAL DR	RYE ST	100' S OF CORPORATE DR	Crackseal or Patch	2,375	93	\$2,116	692
INTERNATIONAL DR	100' S OF CORPORATE DR	CORPORATE DR	Crackseal & Patch	351	72	\$4,142	172
INTERNATIONAL DR	355' N OF NEW HAMPSHIRE A	100' NORTH OF OAK ST	Crackseal & Patch	1,336	80	\$6,114	388
INTERNATIONAL DR	CORPORATE DR	PEASE BV	Overlay AR/CO	940	66	\$69,245	36
INTERNATIONAL DR	100' NORTH OF OAK ST	RYE ST	Do Nothing	1,072	100	\$0	0
INTERNATIONAL DR	NEW HAMPSHIRE AV	355' N OF NEW HAMPSHIRE A	Do Nothing	352	100	\$0	0
ISLINGTON ST	PLAINS AV #1	MIDDLE RD	Crackseal or Patch	639	90	\$569	1,429
ISLINGTON ST	MAPLEWOOD AV	150' N OF BARTLETT ST	Overlay w/mill AR/CO	3,314	65	\$169,252	200
ISLINGTON ST	150' N OF BARTLETT ST	100' S OF JEWELL CT	Crackseal or Patch	367	90	\$436	2,381
ISLINGTON ST	RUTLAND ST	PLAINS AV #1	Overlay w/mill AR/CO	3,172	66	\$121,503	113
ISLINGTON ST	300' W OF SPINNEY RD	RUTLAND ST	Do Nothing	670	100	\$0	0
ISLINGTON ST	SPINNEY RD	300' W OF SPINNEY RD	Do Nothing	297	100	\$0	0
ISLINGTON ST	100' S OF JEWELL CT	SPINNEY RD	Do Nothing	1,313	100	\$0	0
JACKSON HL	NORTHWEST ST	DEARBORN PL	Crackseal or Patch	236	88	\$132	91
JENKINS AV	SUMMIT AV	ROCKAWAY ST	Full Depth Reclaim LO	235	52	\$8,250	7
JEWELL CT	ISLINGTON ST	BREWERY LN	Do Nothing	504	94	\$0	0
JOAN AV	ANNE AV	RICCI AV	Overlay LO	325	66	\$10,616	6
JOFFRE TR	ALDRICH RD	DEAD END	Do Nothing	180	100	\$0	0
JOHNSON CT	SOUTH ST	DEAD END	Crackseal & Patch	229	83	\$484	9
JONES AV	SAGAMORE AV	INCINERATOR RD	Crackseal or Patch	2,741	87	\$2,080	92
JUNKINS AV	PARROT AV	PLEASANT ST	Overlay w/mill AR/CO	343	63	\$13,132	57

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JUNKINS AV	SOUTH ST	544' N OF LINCOLN AV	Overlay AR/CO	959	71	\$25,314	33
JUNKINS AV	544' N OF LINCOLN AV	PARROT AV	Crackseal & Patch	798	73	\$3,792	165
KANE ST	DENNETT ST	RTE 1 BYPASS	Full Depth Const. LO	671	36	\$153,944	4
KEARSARGE WY	RANGER WY	400' S OF RANGER WAY	Crackseal or Patch	342	87	\$339	923
KEARSARGE WY	50' S OF BIRCH ST	MARKET ST EB	Crackseal & Patch	399	80	\$3,018	194
KEARSARGE WY	400' S OF RANGER WAY	50' S OF BIRCH ST	Crackseal or Patch	1,399	88	\$1,338	912
KEARSARGE WY	PREBLE WY	RANGER WY	Crackseal & Patch	1,071	81	\$4,900	191
KENSINGTON RD	MIDDLE RD	BOSS AV	Overlay LO	670	69	\$17,508	6
KENT ST	LINCOLN AV	ROCKLAND ST	Do Nothing	450	97	\$0	0
LADD ST	HIGH ST	MARKET ST	Crackseal & Patch	262	78	\$738	20
LAFAYETTE RD	325' S OF SOUTH ST	WILLARD AV	Crackseal & Patch	845	74	\$6,691	544
LAFAYETTE RD	ANDREW JARVIS DR	325' S OF SOUTH ST	Overlay w/mill AR/CO	836	66	\$41,514	183
LAFAYETTE RD	WILLARD AV	MIDDLE ST	Crackseal & Patch	588	74	\$4,656	544
LAFAYETTE RD	LEDGEWOOD DR	ANDREW JARVIS DR	Do Nothing	737	98	\$0	0
LANG RD	LAFAYETTE RD	RYE TOWN LINE	Crackseal or Patch	5,131	88	\$3,894	547
LANGDON ST	DEAD END	ISLINGTON ST	Overlay w/mill LO	537	64	\$14,293	5
LARRY LN	COAKLEY RD (N)	COAKLEY RD (S)	Overlay LO	405	69	\$13,229	6
LAUREL CT	KEARSARGE WAY	DEAD END	Do Nothing	935	100	\$0	0
LAWRENCE ST	MIDDLE ST	BOSS AV	Fortified Reclaim LO	312	45	\$24,158	7
LEAVITT AV	MIDDLE RD	MCCLINTOCK AV	Crackseal & Patch	671	76	\$2,362	20
LEDGEWOOD DR	LAFAYETTE RD	140' W OF CUL-DE-SAC	Do Nothing	400	100	\$0	0
LEDGEWOOD DR	140' W OF CUL-DE-SAC	CUL-DE-SAC	Fortified Reclaim LO	141	47	\$23,854	3
LEE ST	AVIATION AV	ROCHESTER AV	Full Depth Reclaim LO	434	48	\$38,091	8
LENS AV	JONES AV	DEAD END	Crackseal & Patch	477	78	\$1,511	10
LESLIE DR	CUTTS ST	CUL DE SAC LOOP	Fortified Reclaim LO	2,029	41	\$214,230	8
LINCOLN AV	SHERBURN AV	JUNKINS AV	Crackseal or Patch	799	91	\$738	353
LINCOLN AV	RICHARDS AV	SHERBURN AV	Do Nothing	353	100	\$0	0
LINCOLN AV	MILLER AV	RICHARDS AV	Do Nothing	269	100	\$0	0
LINCOLN AV	MIDDLE ST	WIBIRD ST	Do Nothing	851	95	\$0	0
LINCOLN AV	WIBIRD ST	MILLER AV	Do Nothing	1,326	98	\$0	0
LITTLE HARBOR RD	3245' E OF SAGAMORE AV	DEAD END	Crackseal or Patch	730	88	\$482	46
LITTLE HARBOR RD	552' E OF SAGAMORE AV	3245' E OF SAGAMORE AV	Full Depth Reclaim LO	2,714	53	\$142,919	7
LITTLE HARBOR RD	SAGAMORE AV	552' E OF SAGAMORE AV	Prev. Maintenance	556	76	\$4,678	10

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LIVERMORE ST	PLEASANT ST	DEAD END	Full Depth Const. LO	305	35	\$67,476	2
LOIS ST	MIDDLE RD	DEAD END	Overlay LO	486	69	\$10,583	3
LONGMEADOW LN	WOODLAWN CR	150' S OF WOODLAWN CR	Prev. Maintenance	160	78	\$1,663	5
LONGMEADOW RD	LAFAYETTE RD	CUL-DE-SAC	Prev. Maintenance	537	83	\$12,538	5
LOOKOUT LN	PINEHURST RD	DEAD END	Crackseal or Patch	267	91	\$194	44
LOVELL ST	MADISON ST	CASS ST	Do Nothing	396	100	\$0	0
MADISON ST	MIDDLE ST	STATE ST	Do Nothing	1,004	100	\$0	0
MANCHESTER SQ	INTERNATIONAL DR	500' W OF INTERNATIONAL D	Crackseal & Patch	515	77	\$2,809	81
MANCHESTER SQ	500' W OF INTERNATIONAL D	NEW HAMPSHIRE DR	Do Nothing	512	100	\$0	0
MANGROVE ST	KEARSAGE WY	DEAD END	Crackseal or Patch	398	89	\$250	45
MANNING PL	GATES ST	END	Full Depth Reclaim LO	64	60	\$2,434	3
MANNING ST	PLEASANT ST	GATES ST	Do Nothing	428	100	\$0	0
MANOR DR	BOYD RD	DEAD END/PARKING LOT	Crackseal or Patch	289	91	\$286	44
MAPLE ST	WOODBURY AV	MEADOW RD	Do Nothing	256	95	\$0	0
MAPLEWOOD AV	291' W OF CENTRAL AV	CUTTS ST	Crackseal or Patch	704	87	\$743	1,808
MAPLEWOOD AV	VAUGHAN ST	ISLINGTON ST	Overlay AR/CO	1,085	68	\$62,053	106
MAPLEWOOD AV	EDMOND AV	291' W OF CENTRAL AV	Overlay w/mill AR/CO	613	67	\$38,267	57
MAPLEWOOD AV	PROSPECT ST	DENNETT ST	Crackseal or Patch	342	87	\$361	1,808
MAPLEWOOD AV	DENNETT ST	RAYNES AV	Overlay AR/CO	821	61	\$36,105	40
MAPLEWOOD AV	RAYNES AV	VAUGHAN ST	Full Depth Reclaim LO	619	41	\$72,472	220
MAPLEWOOD AV	WOODBURY AV	EDMOND AV	Full Depth Reclaim LO	2,573	48	\$248,406	64
MAPLEWOOD AV	CUTTS ST	PROSPECT ST	Do Nothing	784	100	\$0	0
MARCY ST	PLEASANT ST	SOUTH ST	Overlay w/mill AR/CO	168	69	\$11,925	54
MARCY ST	SOUTH ST	NEWCASTLE AV	Crackseal & Patch	976	85	\$4,122	146
MARCY ST	100' E OF COURT ST	HANCOCK ST	Do Nothing	643	95	\$0	0
MARCY ST	STATE ST	100' S OF STATE ST	Do Nothing	100	95	\$0	0
MARCY ST	HANCOCK ST	PLEASANT ST	Do Nothing	845	99	\$0	0
MARCY ST	100' S OF STATE ST	100' E OF COURT ST	Do Nothing	230	95	\$0	0
MARIETTE DR	OCEAN RD (W)	OCEAN RD (E)	Crackseal or Patch	2,725	87	\$2,607	92
MARJORIE ST	MIDDLE RD	DEAD END	Overlay LO	669	62	\$20,396	3
MARK ST	COURT ST	DEAD END	Fortified Reclaim LO	244	44	\$15,458	4
MARKET ST	DEER ST	RUSSELL ST	Crackseal & Patch	501	80	\$4,408	504
MARKET ST	BOW ST	DEER ST	Crackseal & Patch	731	83	\$3,345	486

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MARKET ST #1	BOW ST	DANIEL ST	Overlay w/mill AR/CO	421	71	\$29,865	41
MARKET ST EB	NOBLES ISLAND	RUSSELL ST	Overlay AR/CO	777	65	\$28,197	166
MARKET ST EB	RT 95 N ON RAMP	NOBLES ISLAND	Overlay AR/CO	2,910	71	\$105,628	152
MARKET ST EB	WOODBURY AV	KEARSARGE WY	Crackseal & Patch	3,381	80	\$17,254	620
MARKET ST EB	KEARSARGE WY	RT 95 N ON RAMP	Crackseal or Patch	715	90	\$778	3,214
MARKET ST WB	NOBLES ISLAND	RT 95 N ON RAMP	Crackseal & Patch	2,967	75	\$17,229	661
MARKET ST WB	RUSSELL ST	NOBLES ISLAND	Overlay AR/CO	766	64	\$27,816	150
MARKET ST WB	RT 95 N ON RAMP	KEARSARGE WY	Crackseal or Patch	695	90	\$757	2,857
MARKET ST WB	KEARSARGE WY	WOODBURY AV	Prev. Maintenance	3,403	75	\$50,527	430
MARNE AV	JONES AV	DEAD END	Crackseal & Patch	605	79	\$2,129	10
MARSH LN	MAPLEWOOD AV	DEAD END	Crackseal or Patch	403	88	\$213	46
MARSTON AV	WLLARD AV	SOUTH ST	Do Nothing	514	100	\$0	0
MARTHA TR	PATRICIA DR	OCEAN RD	Do Nothing	1,095	100	\$0	0
MASON AV	DECATUR RD	COLONIAL AV	Overlay LO	637	63	\$16,646	6
MCCLINTOCK AV	SWEATT AV	LEAVITT AV	Crackseal & Patch	615	79	\$2,597	20
MCDONOUGH ST	CABOT ST	DEAD END	Crackseal or Patch	641	91	\$719	44
MCDONOUGH ST	BREWSTER ST	CORNWALL ST	Fortified Reclaim LO	380	50	\$45,424	3
MCDONOUGH ST	CORNWALL ST	CABOT ST	Do Nothing	379	94	\$0	0
MCGEE DR	MAPLEWOOD AV	DEAD END	Do Nothing	954	95	\$0	0
MCKINLEY RD	VAN BUREN AV	200' W OF TAFT DR	Overlay LO	1,134	68	\$40,746	17
MCKINLEY RD	HARDING RD	VAN BUREN AV	Overlay LO	1,620	65	\$52,917	18
MCKINLEY RD	200' W OF TAFT DR	LAFAYETTE RD	Overlay LO	805	67	\$26,295	6
MCNABB CT	LINCOLN AV	DEAD END	Crackseal or Patch	282	91	\$195	44
MEADOW RD	FARM LN	ROCKINGHAM AV	Crackseal & Patch	1,231	85	\$5,416	18
MEADOW RD	MAPLE ST	FARM LN	Crackseal or Patch	876	88	\$723	91
MECHANIC ST	190' N OF GATES ST	PICKERING AV	Do Nothing	719	100	\$0	0
MECHANIC ST	MARCY ST	190' N OF GATES ST	Do Nothing	310	100	\$0	0
MEETING HOUSE HL	MARCY ST	MARCY ST	Do Nothing	369	99	\$0	0
MELBOURNE ST	VINE ST	RUTLAND ST	Overlay LO	1,436	61	\$39,089	7
MELCHER ST	PLEASANT ST	DEAD END	Crackseal or Patch	350	89	\$208	45
MENDUM AV	MIDDLE ST	PARK ST	Crackseal & Patch	542	83	\$2,384	19
MEREDITH WY	BARTLETT ST	DEAD END	Do Nothing	317	100	\$0	0
MERRIMAC ST	HIGHLAND ST	MILLER AV	Do Nothing	615	100	\$0	0



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MICHAEL SUCCI DR	MARKET ST	DEAD END	Full Depth Reclaim LO	1,162	49	\$81,588	4
MIDDLE RD	PEVERLY HILL RD	474' E OF LOIS ST	Crackseal or Patch	2,627	87	\$2,600	1,144
MIDDLE RD	474' E OF LOIS ST	607' E OF LOIS ST	Do Nothing	133	95	\$0	0
MIDDLE RD	607' E OF LOIS ST	MIDDLE ST	Do Nothing	2,109	98	\$0	0
MIDDLE ST	MILLER AV	RICHARDS AV	Crackseal & Patch	604	83	\$4,889	411
MIDDLE ST	MIDDLE RD	MILLER AV	Crackseal & Patch	2,999	72	\$23,221	430
MIDDLE ST	STATE ST	ISLINGTON ST	Crackseal or Patch	402	90	\$464	1,964
MIDDLE ST	RICHARDS AV	STATE ST	Crackseal & Patch	676	81	\$3,807	421
MILL POND WY	DENNETT ST	DEAD END	Do Nothing	696	100	\$0	0
MILLER AV	LINCOLN AV	MIDDLE ST	Do Nothing	1,359	100	\$0	0
MILLER AV	SOUTH ST	LINCOLN AV	Do Nothing	984	94	\$0	0
MIRONA RD	LAFAYETTE RD	250' W OF LAFAYETTE RD	Overlay AR/CO	248	65	\$12,274	18
MIRONA RD	500' E OF PEVERLY HILL R	PEVERLY HILL RD	Overlay AR/CO	498	68	\$16,979	18
MIRONA RD	250' W OF LAFAYETTE RD	500' E OF PEVERLY HILL R	Full Depth Reclaim AR/CO	1,417	54	\$204,471	16
MIRONA RD EX	MIRONA RD	80' N OF DEAD END	Full Depth Reclaim LO	420	56	\$49,149	7
MIRONA RD EX	80' N OF DEAD END	DEAD END	Full Depth Const. LO	83	39	\$27,203	2
MOEBUS TR	PLEASANT POINT DR	DEAD END	Crackseal & Patch	397	85	\$1,537	9
MOFFAT ST	SWEATT AV	PEVERLY HILL RD	Crackseal or Patch	446	88	\$486	91
MONROE ST	SOUTH ST	WARD PL	Prev. Maintenance	274	77	\$3,933	40
MONROE ST	WARD PL	MIDDLE RD	Overlay LO	342	66	\$16,385	6
MONROE ST EX	SOUTH ST	DEAD END	Overlay LO	244	70	\$6,111	3
MONTIETH ST	THORNTON ST	DEAD END	Do Nothing	407	100	\$0	0
MORNING ST	WOODBURY AV	BARTLETT ST	Fortified Reclaim LO	616	40	\$43,360	8
MT VERNON ST	SOUTH ST	POLICE DEPT LOT	Overlay LO	396	67	\$9,486	6
MYRTLE AV	RTE 1 BYPASS SB	DEAD END	Crackseal & Patch	830	81	\$2,921	10
NATHANIEL DR	MARIETTE DR	CUL-DE-SAC	Crackseal & Patch	1,690	73	\$10,336	21
NEW HAMPSHIRE AV	PEASE BLVD	INTERNATIONAL DR	Prev. Maintenance	5,934	74	\$114,539	126
NEWCASTLE AV	SOUTH ST	MARCY ST	Overlay LO	842	71	\$22,006	16
NEWCASTLE AV	MARCY ST	PLEASANT POINT DR	Crackseal & Patch	1,060	80	\$4,476	128
NEWFIELDS ST	NEW HAMPSHIRE AV	ROCHESTER AV	Fortified Reclaim LO	468	50	\$54,355	6
NIXON PK	MCKINLEY RD	NIXON PK (LOOP)	Full Depth Reclaim LO	907	48	\$71,644	8
NORTH SCHOOL ST	PROSPECT ST	DENNETT ST	Crackseal or Patch	234	89	\$85	90
NORTHWEST ST	MAPLEWOOD AV	DEAD END	Overlay LO	1,269	65	\$27,635	3

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O'LEARY PL	FAIRVIEW AV	CUL-DE-SAC	Crackseal & Patch	211	75	\$2,046	10
OAK AVE	CORPORATE DR	INTERNATIONAL DR	Do Nothing	1,647	100	\$0	0
OAK ST	MANGROVE ST	DEAD END	Do Nothing	331	96	\$0	0
OAKWOOD DR	ELWYN RD	CUL-DE-SAC	Crackseal & Patch	797	79	\$4,488	10
ODIORNE POINT RD	GOSPORT RD (E)	CUL DE SAC LOOP	Crackseal & Patch	1,994	79	\$11,579	20
ODIORNE POINT RD	GOSPORT RD	GOSPORT RD (E)	Crackseal or Patch	1,586	87	\$1,727	46
ONYX LN	TOPAZ PL	DIAMOND DR	Full Depth Reclaim LO	309	51	\$22,600	7
OPAL AV	DIAMOND DR	TOPAZ PL	Overlay LO	264	69	\$7,186	6
ORANGE ST	KEARSARGE WY	OAK ST	Crackseal or Patch	225	89	\$134	90
ORCHARD CT	WILLARD AV	DEAD END	Overlay LO	187	71	\$4,072	3
ORCHARD ST	294' N OF WILLARD AV	WIBIRD ST	Overlay LO	906	63	\$28,617	6
ORCHARD ST	WILLARD AV	294' N OF WILLARD AV	Overlay LO	294	65	\$6,394	6
OSPREY DR	SHEARWATER DR/PORTSMOUTH	DUNLIN WY	Fortified Reclaim LO	1,996	40	\$140,497	8
OXFORD AV	GREENLAND RD #1	DEAD END	Crackseal & Patch	799	82	\$2,812	19
PAMELA ST	MARIETTE DR	MARIETTE DR	Do Nothing	467	94	\$0	0
PARK ST	ORCHARD ST	LINCOLN ST	Do Nothing	680	100	\$0	0
PARK ST	LINCOLN ST	MIDDLE ST	Do Nothing	607	100	\$0	0
PARKER ST	TANNER CT	HANOVER ST	Fortified Reclaim LO	95	44	\$6,708	7
PARKER ST	ISLINGTON ST	TANNER CT	Do Nothing	228	95	\$0	0
PARROT AV	ROGERS ST	JUNKINS AV	Crackseal or Patch	737	87	\$900	369
PARROT AV	JUNKINS AV	EDWARDS ST	Full Depth Reclaim LO	106	54	\$11,504	28
PARROT AV	RICHARDS AV	ROGERS ST	Do Nothing	984	100	\$0	0
PARTRIDGE ST	MARCY ST	DEAD END	Crackseal or Patch	252	91	\$116	44
PATRICIA DR	OCEAN RD	DEAD END	Do Nothing	410	100	\$0	0
PEARL ST	HANOVER ST	ISLINGTON ST	Crackseal & Patch	301	78	\$1,589	20
PEARSON ST	PLAINS AV #1	DEAD END	Fortified Reclaim LO	740	52	\$46,879	3
PEASE BV	NEW HAMPSHIRE AVE	860' E OF NEW HAMPSHIRE AVE	Crackseal or Patch	857	88	\$1,923	2,737
PEASE BV	860' E OF NEW HAMPSHIRE AV	SPAULDING TNPk	Crackseal & Patch	2,169	81	\$15,267	613
PEASE BV (WB)	SPAULDING TP	PEASE BLVD #1	Crackseal & Patch	2,129	83	\$15,735	598
PENHALLOW ST	DANIEL ST	BOW ST	Do Nothing	423	100	\$0	0
PENHALLOW ST	STATE ST	DANIEL ST	Do Nothing	354	94	\$0	0
PEVERLY HILL RD	ENTRANCE TO DPW	150' N OF BANFIELD RD	Full Depth Reclaim AR/CO	873	57	\$177,149	38
PEVERLY HILL RD	WEST ROAD	327' N OF WEST ROAD	Crackseal & Patch	325	85	\$1,716	401

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
PEVERLY HILL RD	LAFAYETTE RD	WEST ROAD	Crackseal or Patch	546	93	\$324	1,903
PEVERLY HILL RD	327' N OF WEST ROAD	ENTRANCE TO DPW	Overlay AR/CO	470	62	\$11,372	58
PEVERLY HILL RD	MCCLINTOCK ST	MIDDLE ROAD	Do Nothing	755	94	\$0	0
PEVERLY HILL RD	250' N OF YMCA ENTRANCE	MCCLINTOCK ST	Do Nothing	2,127	94	\$0	0
PEVERLY HILL RD	150' N OF BANFIELD RD	250' N OF YMCA ENTRANCE	Do Nothing	518	94	\$0	0
PEVERLY HILL RD (SB)	530' N OF LAFAYETTE RD	LAFAYETTE RD	Crackseal or Patch	573	87	\$662	923
PICKERING AV	PICKERING ST	SOUTH MILL ST	Do Nothing	226	100	\$0	0
PICKERING ST	MARCY ST	PICKERING AV	Do Nothing	368	100	\$0	0
PIERCE ISLAND RD	END OF BRIDGE DECK	1500' S OF MECHANIC ST	Full Depth Reclaim LO	1,117	48	\$78,428	30
PIERCE ISLAND RD	150' E OF MECHANIC ST	END OF BRIDGE DECK	Full Depth Reclaim LO	305	57	\$20,523	25
PIERCE ISLAND RD	1500' S OF MECHANIC ST	DEAD END	Full Depth Reclaim LO	1,192	48	\$83,694	30
PIERCE ISLAND RD	MECHANIC ST	150' E OF MECHANIC ST	Do Nothing	150	100	\$0	0
PIERCE PL	CLEVELAND DR	TAFT RD	Crackseal & Patch	353	81	\$2,112	19
PINE ST	BARTLETT ST	STARK ST	Do Nothing	747	97	\$0	0
PINEHURST RD	SOUTH ST	DEAD END	Do Nothing	1,004	97	\$0	0
PLAINS AV #1	ISLINGTON ST	DEAD END	Full Depth Reclaim LO	358	60	\$27,231	6
PLEASANT POINT DR	NEW CASTLE AV	DEAD END	Crackseal & Patch	1,188	81	\$5,854	10
PLEASANT ST	MARCY ST	WENTWORTH ST	Full Depth Reclaim AR/CO	625	59	\$50,730	37
PLEASANT ST	JUNKINS AV	COURT ST	Overlay w/mill AR/CO	390	63	\$19,894	102
PLEASANT ST	STATE ST	CONGRESS ST	Crackseal & Patch	427	77	\$3,757	266
PLEASANT ST	COURT ST	STATE ST	Crackseal or Patch	205	90	\$236	1,179
PLEASANT ST	WENTWORTH ST	JUNKINS AV	Full Depth Reclaim AR/CO	808	52	\$109,306	13
POLK AV	TAFT RD	HARRISON AV	Crackseal & Patch	244	75	\$1,718	21
PORPOISE WY	SARATOGA WY	CRESCENT WY	Do Nothing	595	100	\$0	0
PORTER ST	MIDDLE ST	340' E OF MIDDLE ST	Crackseal or Patch	371	89	\$196	90
PORTER ST	340' E OF MIDDLE ST	PLEASANT ST	Overlay LO	581	69	\$8,224	6
PORTSMOUTH BLVD	NORTH END OF TRAFFIC ISLAND	995' N OF OSPREY DR	Crackseal or Patch	1,020	86	\$673	373
PORTSMOUTH BLVD	MARKET ST	NORTH END OF TRAFFIC ISLAND	Do Nothing	823	100	\$0	0
PORTSMOUTH BLVD	COMMERCE WAY	100' N OF OSPREY DR	Do Nothing	182	100	\$0	0
PORTSMOUTH BLVD (CLOSED)	995' N OF OSPREY DR	DUNLIN WAY	Fortified Reclaim LO	983	44	\$69,193	28
PORTSMOUTH BLVD (SOUTH BOUND)	NORTH SIDE OF MEDIAN	SHEARWATER DR	Do Nothing	509	100	\$0	0
PORTSMOUTH BLVD (SOUTH BOUND)	SHEARWATER DR	MARKET ST	Do Nothing	312	100	\$0	0

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POST RD	HERITAGE AV #2	CUL-DE-SAC	Crackseal or Patch	600	87	\$826	46
PRAY ST	MARCY ST	DEAD END	Overlay LO	268	71	\$3,502	3
PREBLE WY	KEARSARGE ST	DEAD END	Crackseal or Patch	734	89	\$581	45
PRINCETON ST	HARVARD ST	DEAD END	Full Depth Reclaim LO	203	48	\$15,441	4
PROSPECT ST	WALKER ST	MAPLEWOOD AV	Crackseal or Patch	358	88	\$295	91
RALEIGH WY	RANGER WY	SARATOGA WAY	Crackseal or Patch	806	88	\$505	91
RALEIGH WY	SARATOGA WAY	CRESCENT WY	Do Nothing	516	99	\$0	0
RANDS CT	SOUTH ST	DEAD END	Do Nothing	247	98	\$0	0
RANGER WY	KEARSARGE WY	FALKLAND WY	Do Nothing	298	99	\$0	0
RANGER WY	FALKLAND WY	PREBLE WY	Do Nothing	747	95	\$0	0
RAYNES AV	MAPLEWOOD AV	VAUGHAN ST	Fortified Reclaim LO	250	50	\$30,795	6
REGINA RD	ELWYN RD	REGINA RD (LOOP)	Full Depth Reclaim LO	1,892	55	\$160,520	7
RICCI AV	JOAN AV	ROBERTS AV	Overlay LO	390	67	\$12,739	6
RICHARDS AV	MIDDLE ST	ROCKLAND ST	Do Nothing	1,174	100	\$0	0
RICHARDS AV	ROCKLAND ST	LINCOLN AV	Do Nothing	459	100	\$0	0
RICHARDS AV	LINCOLN AV	SOUTH ST	Do Nothing	929	100	\$0	0
RICHMOND ST	PLEASANT ST	WASHINGTON ST	Full Depth Const. LO	338	30	\$33,234	5
RIDGES CT	NEW CASTLE AV	DEAD END	Do Nothing	545	97	\$0	0
ROBERT AV	LAFAYETTE RD	ANNE AV	Overlay LO	875	67	\$33,346	6
ROBIN LN	PLEASANT POINT DR	DEAD END	Do Nothing	170	100	\$0	0
ROCHESTER AV	SOMERSWORTH AV	NEW HAMPSHIRE AV	Fortified Reclaim LO	592	44	\$62,506	7
ROCHESTER AV	STRATHAM ST	SOMERSWORTH AV	Full Depth Const. LO	1,926	34	\$631,248	4
ROCK ST	ISLINGTON ST	SUDBURY ST	Full Depth Reclaim LO	400	58	\$22,234	6
ROCKAWAY ST	JENKINS AV	DEAD END	Crackseal & Patch	148	73	\$573	11
ROCKINGHAM AV	MEADOW RD	SPAULDING TP	Prev. Maintenance	526	73	\$6,508	34
ROCKINGHAM AV	WOODBURY AV	MEADOW RD	Crackseal & Patch	318	85	\$1,399	58
ROCKINGHAM AV	SAPHIRE ST	WOODBURY AV	Prev. Maintenance	622	75	\$7,696	10
ROCKINGHAM ST	ISLINGTON ST	MCDONOUGH ST	Do Nothing	355	100	\$0	0
ROCKLAND ST	SHERBURNE AV #1	ELWYN AV	Do Nothing	182	97	\$0	0
ROCKLAND ST	BROAD ST	MILLER AVE	Do Nothing	395	100	\$0	0
ROCKLAND ST	ELWYN AVE	DEAD END	Do Nothing	331	100	\$0	0
ROCKLAND ST	RICHARDS AV	SHERBURNE AV #1	Do Nothing	399	100	\$0	0
ROCKLAND ST	MILLER AVE	RICHARD AV	Do Nothing	289	100	\$0	0

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ROGERS ST	COURT ST	PARROT AV	Overlay LO	523	63	\$11,389	9
RUBY RD	EDMOND AV	DIAMOND DR	Overlay LO	448	69	\$12,195	6
RUSSELL ST	DEER ST	100' S OF GREEN ST	Full Depth Reclaim AR/CO	358	44	\$71,090	30
RUSSELL ST	100' S OF GREEN ST	MARKET ST	Overlay AR/CO	380	61	\$18,411	29
RUTH ST	THORNTON ST	DEAD END	Prev. Maintenance	253	72	\$2,755	5
RUTLAND ST	MELBOURNE ST	ISLINGTON ST	Crackseal & Patch	247	76	\$1,304	20
RYE ST	INTERNATIONAL DR	CORPORATE DR #2	Overlay LO	1,622	69	\$44,152	6
SAGAMORE AV	SOUTH SIDE OF BRIDGE	WENTWORTH HOUSE RD	Full Depth Reclaim AR/CO	610	58	\$87,950	74
SAGAMORE AV	WENTWORTH HOUSE RD	RYE TOWN LINE	Full Depth Reclaim AR/CO	1,655	58	\$238,741	74
SAGAMORE AV	SHAW RD	NORTH SIDE OF BRIDGE	Do Nothing	208	100	\$0	0
SAGAMORE AV	SOUTH ST	150' S OF LITTLE HARBOR RD	Do Nothing	2,400	100	\$0	0
SAGAMORE AV	NORTH SIDE OF BRIDGE	SOUTH SIDE OF BRIDGE	Do Nothing	398	100	\$0	0
SAGAMORE AV	150' S OF LITTLE HARBOR RD	SHAW RD	Do Nothing	2,082	100	\$0	0
SAGAMORE GROVE RD	SAGAMORE AV	DEAD END	Crackseal or Patch	557	89	\$276	18
SALEM ST	ISLINGTON ST	MCDONOUGH ST	Do Nothing	344	100	\$0	0
SALTER ST	MARCY ST	DEAD END	Crackseal or Patch	331	91	\$186	44
SANDERLING WAY	BLUE HERON DR	OSPREY DR	Fortified Reclaim LO	845	54	\$89,219	6
SANDERSON DR	SPINNEY RD	DEAD END	Do Nothing	504	100	\$0	0
SAPPHIRE ST	EDMOND AV	ROCKINGHAM AV	Full Depth Reclaim LO	238	58	\$17,407	6
SAPPHIRE ST	DIAMOND DR	EDMOND AV	Full Depth Reclaim LO	491	58	\$35,911	6
SARATOGA WY	BEDFORD WY	CRESCENT WY	Prev. Maintenance	792	78	\$7,840	10
SCHURMAN AV	COLONIAL DR	DEAD END	Prev. Maintenance	164	73	\$2,029	5
SCOTT AV	DANIEL ST	DUTTON AV	Do Nothing	171	95	\$0	0
SEWALL RD	THAXTER RD	SPINNEY RD	Crackseal & Patch	1,204	79	\$5,085	20
SEWALL RD	ALDRICH RD	THAXTER RD	Full Depth Reclaim LO	237	60	\$13,174	6
SHAW RD	SAGAMORE AV	WALKER BUNGALOW RD	Crackseal or Patch	633	89	\$334	90
SHEAFE ST	CHAPEL ST	PENHALLOW ST	Do Nothing	391	100	\$0	0
SHEARWATER DR	CUL DE SAC	62' W OF BLUE HERON DR	Overlay w/mill LO	357	67	\$14,136	9
SHEARWATER DR	62' W OF BLUE HERON DR	203' E OF PORTSMOUTH BLVD	Fortified Reclaim LO	350	46	\$28,332	7
SHEARWATER DR	203' E OF PORTSMOUTH BLVD	PORTSMOUTH BLVD	Fortified Reclaim LO	326	43	\$35,568	29
SHEFFIELD RD	MELBOURNE ST	MIDDLE RD	Crackseal & Patch	1,363	76	\$7,675	20
SHERBURNE AV #1	ROCKLAND ST	DEAD END	Crackseal & Patch	1,066	83	\$4,127	19
SHERBURNE AV #2	SHERBURNE AV	ELWYN AV	Crackseal or Patch	154	91	\$102	88

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SHERBURNE RD	GREENLAND RD	385'N OF GREENLAND RD	Crackseal & Patch	377	83	\$2,656	74
SHERBURNE RD	800'N OF GREENLAND RD	948'N OF GREENLAND RD	Crackseal or Patch	148	87	\$171	92
SHERBURNE RD	948'N OF GREENLAND RD	WITMER AV	Prev. Maintenance	2,046	74	\$29,366	10
SHERBURNE RD	385' N OF GREENLAND RD	800'N OF GREENLAND RD	Crackseal or Patch	423	88	\$530	361
SHERIDAN AV	SOUTH ST	DEAD END	Full Depth Reclaim LO	279	50	\$11,427	4
SIMONDS RD	SUZANNE DR	SUZANNE DR	Crackseal or Patch	855	88	\$846	91
SIMS AV	MELBOURNE ST	DEAD END	Overlay LO	660	68	\$14,373	3
SOMERWORTH ST	AVIATION AV	ROCHESTER AV	Fortified Reclaim LO	437	35	\$32,298	9
SOUTH MILL ST	PICKERING AV	MARCY ST	Do Nothing	272	100	\$0	0
SOUTH SCHOOL ST	SOUTH ST	MARCY ST	Crackseal & Patch	469	85	\$1,816	18
SOUTH ST	LAFAYETTE RD	MIDDLE RD	Full Depth Reclaim AR/CO	753	54	\$88,237	59
SOUTH ST	MARCY ST	JUNKINS AV	Overlay AR/CO	1,857	65	\$53,102	21
SOUTH ST	JUNKINS AV	100' E OF CLOUGH DR	Crackseal or Patch	479	88	\$411	1,314
SOUTH ST	100' E OF CLOUGH DR	RICHARDS ST	Do Nothing	583	94	\$0	0
SOUTH ST	UNION ST	WIBIRD ST	Do Nothing	373	99	\$0	0
SOUTH ST	RICHARDS ST	MILLER AV	Do Nothing	348	100	\$0	0
SOUTH ST	WIBIRD ST	LAFAYETTE RD	Do Nothing	1,758	95	\$0	0
SOUTH ST	MILLER AV	UNION ST	Do Nothing	1,095	94	\$0	0
SPARHAWK ST	DENNETT ST	THORTON ST	Fortified Reclaim LO	268	49	\$32,069	6
SPARHAWK ST	THORTON ST	CLINTON ST	Full Depth Reclaim LO	567	49	\$41,470	8
SPINNEY RD	MIDDLE RD	100' S OF SEWALL RD	Crackseal & Patch	1,240	78	\$5,237	64
SPINNEY RD	100' S OF SEWALL RD	ISLINGTON ST	Full Depth Reclaim AR/CO	632	55	\$68,349	13
SPRING ST	WILLOW ST	MILLER AV	Do Nothing	796	99	\$0	0
STARK ST	DENNETT ST	166' W OF DENETT ST	Crackseal & Patch	166	78	\$876	20
STARK ST	CLINTON ST	DENNETT ST	Fortified Reclaim LO	951	45	\$83,675	1
STARK ST	166' W OF DENETT ST	FRANKLIN DR	Fortified Reclaim LO	333	44	\$23,440	1
STATE ST	FLEET ST	PLEASANT ST	Crackseal & Patch	420	72	\$3,104	430
STATE ST	MIDDLE ST	FLEET ST	Crackseal & Patch	650	75	\$4,804	413
STATE ST	PLEASANT ST	WRIGHT AV	Crackseal & Patch	930	81	\$7,201	345
STATE ST	CASS ST	MIDDLE ST	Overlay w/mill LO	2,634	65	\$122,686	34
STATE ST	WRIGHT AV	MARCY ST	Do Nothing	225	98	\$0	0
STATE ST	MARCY ST	DANIEL ST	Do Nothing	215	100	\$0	0
STRATHAM ST	NEW HAMPSHIRE AV	ROCHESTER AV	Full Depth Reclaim LO	427	54	\$46,221	7



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SUDBURY ST	BREWSTER ST	ROCK ST	Full Depth Reclaim LO	261	53	\$14,508	7
SUMMER ST	ISLINGTON ST	MIDDLE ST	Do Nothing	1,147	100	\$0	0
SUMMIT AV	SOUTH ST	DEAD END	Full Depth Reclaim LO	551	52	\$54,807	4
SUNSET RD	BOSS AV	THAXTER RD	Full Depth Reclaim LO	683	55	\$59,945	7
SUTTON AV	SHERBURNE RD	DEAD END	Crackseal or Patch	631	86	\$479	47
SUZANNE DR	OCEAN RD	SUZANNE DR (LOOP)	Crackseal or Patch	3,884	86	\$3,716	93
SUZANNE DR #2	LAFAYETTE RD	SUZANNE DR	Crackseal or Patch	343	88	\$385	91
SWEATT AV	MIDDLE RD	DEAD END	Crackseal & Patch	890	82	\$3,132	9
SYLVESTER ST	MIDDLE RD	DEAD END	Crackseal & Patch	345	82	\$1,093	9
T J GAMESTER DR	F W HARTFORD DR	F W HARTFORD DR	Overlay LO	967	63	\$33,693	6
TAFT RD	CLEVELAND DR	ELWYN RD	Overlay LO	627	65	\$18,433	25
TAFT RD	HOOVER DR	796' N OF HOOVER DR	Overlay w/mill LO	808	65	\$35,484	10
TAFT RD	796' N OF HOOVER DR	GARFIELD RD	Overlay LO	322	68	\$10,518	6
TAFT RD	GARFIELD RD	CLEVELAND DR	Overlay LO	2,331	65	\$76,142	6
TANNER CT	TANNER ST	PARKER ST	Do Nothing	220	100	\$0	0
TANNER ST	HANOVER ST	HILL ST	Crackseal or Patch	124	91	\$61	88
TANNER ST	ISLINGTON ST	HANOVER ST	Do Nothing	366	100	\$0	0
TAYLOR LN	HARDING RD	ARTHUR RD	Crackseal & Patch	361	81	\$1,906	19
TAYLOR LN	ARTHUR RD	CLEVELAND DR	Crackseal & Patch	696	72	\$3,674	22
THAXTER RD	ISLINGTON ST	SUNSET RD	Prev. Maintenance	900	72	\$11,136	11
THAXTER RD	SUNSET RD	BOSS AV	Overlay LO	982	70	\$35,285	6
THORNTON ST	RUTH ST	BARTLETT ST	Crackseal & Patch	1,824	85	\$8,345	18
THORNTON ST	BARTLETT ST	WOODBURY AV	Do Nothing	346	100	\$0	0
THORNTON ST EX	THORNTON ST	DENNETT ST	Do Nothing	283	100	\$0	0
TOPAZ PL	OPAL AV	ONYX LN	Overlay LO	297	70	\$8,085	6
TRUMAN PL	MCKINLEY RD	HARDING RD	Crackseal & Patch	378	79	\$1,929	20
TYLER PL	HARDING RD	DWIGHT AV	Crackseal or Patch	147	91	\$165	88
UNION ST	ISLINGTON ST	MIDDLE ST	Fortified Reclaim LO	1,367	42	\$144,333	7
UNION ST	MIDDLE ST	SOUTH RD	Do Nothing	2,015	100	\$0	0
VAN BUREN AV	ADAMS AV	FILMORE RD	Full Depth Reclaim LO	245	48	\$24,370	8
VAN BUREN AV	FILMORE RD	HARRISON AV	Overlay LO	1,028	67	\$35,818	6
VAUGHAN ST	RAYNES AV	GREEN ST	Fortified Reclaim LO	431	44	\$56,112	7
VAUGHAN ST	GREEN ST	MAPLEWOOD AV	Do Nothing	365	100	\$0	0

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VERDUN ST	SAGAMORE RD	MARNE AV	Crackseal & Patch	424	73	\$1,418	8
VERSAILLES AV	JONES AV	DEAD END	Fortified Reclaim LO	314	48	\$20,997	3
VICTORY RD	COLONIAL DR	DEAD END	Crackseal or Patch	146	89	\$96	45
VINE ST	ISLINGTON ST	MELBOURNE ST	Crackseal & Patch	238	75	\$796	21
WALDEN ST	MARCY ST	DEAD END	Do Nothing	155	95	\$0	0
WALKER BUNGALOW RD	LITTLE HARBOR RD	SHAW RD	Full Depth Reclaim LO	2,028	49	\$106,795	8
WALKER BUNGALOW RD	SHAW RD	CUL-DE-SAC LOOP	Full Depth Reclaim LO	749	48	\$43,825	4
WALKER ST	DENNETT ST	PROSPECT ST	Do Nothing	145	95	\$0	0
WALLIS RD	SUZANNE DR	SUZANNE DR	Crackseal & Patch	820	85	\$4,040	18
WALTON AV	GATES ST	GARDNER ST	Do Nothing	177	93	\$0	0
WARD PL	MONROE ST	MIDDLE RD	Full Depth Reclaim LO	230	60	\$15,476	6
WASHINGTON ST	STATE ST	HANCOCK ST	Crackseal & Patch	819	85	\$2,738	11
WASHINGTON ST	HANCOCK ST	PLEASANT ST	Crackseal or Patch	357	89	\$224	90
WBBX RD	ISLINGTON ST	RR TRACKS	Do Nothing	151	99	\$0	0
WENTWORTH ST	PLEASANT ST	DEAD END	Overlay LO	434	65	\$8,506	3
WEST RD	940' S OF PEVERLY HILL R	CAMPUS DR	Do Nothing	2,486	100	\$0	0
WEST RD	CAMPUS DR	LAFAYETTE RD	Do Nothing	1,234	100	\$0	0
WEST RD	PEVERLY HILL RD	940' S OF PEVERLY HILL R	Do Nothing	940	100	\$0	0
WHIDDEN ST	PLEASANT ST	DEAD END	Fortified Reclaim LO	250	40	\$17,597	4
WHIPPLE CT	DECATUR RD	CUL-DE-SAC LOOP	Crackseal & Patch	305	75	\$1,181	10
WHIPPLE ST	DENNETT ST	THORNTON ST	Crackseal or Patch	306	91	\$303	88
WHITE CEDARS BV	345' E OF LAFAYETTE BLVD	CUL-DE-SAC LOOP	Do Nothing	605	94	\$0	0
WHITE CEDARS BV	LAFAYETTE RD	345' E OF LAFAYETTE BLVD	Do Nothing	345	100	\$0	0
WHOLEY WY	ECHO AV	CUL-DE-SAC	Crackseal or Patch	497	88	\$678	91
WIBIRD ST	MIDDLE ST	SOUTH RD	Do Nothing	2,020	100	\$0	0
WILLARD AV	LAFAYETTE RD	100' W OF MARSTON	Crackseal & Patch	1,090	75	\$6,715	21
WILLARD AV	100' W OF MARSTON	WIBIRD ST	Do Nothing	386	100	\$0	0
WILLOW LN	LINCOLN AV	SPRING ST	Do Nothing	246	100	\$0	0
WILSON RD	930' W OF TAFT RD	LAFAYETTE RD	Overlay LO	496	68	\$14,042	6
WILSON RD	TAFT RD	930' W OF TAFT RD	Overlay LO	948	67	\$27,870	6
WINCHESTER ST	WINCHESTER ST #2	349' W OF DEAD END	Crackseal or Patch	524	88	\$519	91
WINCHESTER ST #2	OCEAN RD	880' S OF OCEAN RD	Do Nothing	866	98	\$0	0
WINCHESTER ST #2	880' S OF OCEAN RD	NATHANIEL DR	Do Nothing	183	97	\$0	0

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WINCHESTER ST #3	WINCHESTER #2	MARIETTE DR	Do Nothing	283	98	\$0	0
WINTER ST	STATE ST	AUSTIN ST	Crackseal & Patch	396	78	\$1,394	20
WITMER AV	SHERBURNE RD	GREENSIDE AV	Crackseal or Patch	337	92	\$245	87
WOODBURY AV	RTE 1 BYPASS	MORNING ST	Crackseal & Patch	1,393	82	\$7,843	231
WOODBURY AV	35' N. OF ROCKINGHAM AV	RTE 1 BYPASS	Crackseal or Patch	940	88	\$1,241	2,372
WOODBURY AV	GOSLING ROAD	978' N OF MARKET ST	Overlay AR/CO	2,453	68	\$202,342	220
WOODBURY AV	MORNING ST	BARTLETT ST	Crackseal or Patch	293	88	\$232	1,113
WOODBURY AV	25' N. OF ECHO AV	35' N. OF ROCKINGHAM AV	Crackseal or Patch	3,469	87	\$2,976	1,621
WOODBURY AV	978' N OF MARKET ST	MARKET ST	Crackseal & Patch	983	78	\$5,535	517
WOODBURY AV	MARKET ST	25' N. OF ECHO AV	Do Nothing	658	95	\$0	0
WOODBURY AV (#2)	MARKET ST	900' N OF MARKET ST	Overlay AR/CO	862	65	\$28,442	120
WOODBURY AV (#2)	210'S OF MARKET ST	MARKET ST	Do Nothing	200	98	\$0	0
WOODBURY AV (OLD)	WOODBURY AV	DEAD END	Fortified Reclaim LO	373	50	\$28,842	1
WOODLAWN CR	WOODBURY AV	575' FROM ECHO AV	Prev. Maintenance	1,020	74	\$12,616	10
WOODLAWN CR	575' FROM ECHO AV	ECHO AV	Do Nothing	563	100	\$0	0
WOODWORTH AV	MIDDLE RD	DEAD END	Crackseal & Patch	908	83	\$2,876	9
WORTHEN RD	COLONIAL DR	DEAD END	Overlay LO	97	62	\$2,640	3



# Appendix B

## Backlog List by PCI ■

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\*All Backlogs are based from PCI's projected to September 2016

# **Pavement Backlog Report - by PCI**

<b><u>Street Name</u></b>	<b><u>From Segment</u></b>	<b><u>To Segment</u></b>	<b><u>Alternative</u></b>	<b><u>Length</u></b>	<b><u>PCI</u></b>	<b><u>Repair Cost</u></b>	<b><u>Benefit</u></b>
RICHMOND ST	PLEASANT ST	WASHINGTON ST	Full Depth Const. LO	338	30	\$33,234	5
ROCHESTER AV	STRATHAM ST	SOMERSWORTH AV	Full Depth Const. LO	1,926	34	\$631,248	4
ASHLAND ST	CUTTS AV	CENTRAL AV	Fortified Reclaim LO	350	35	\$18,477	9
SOMERSWORTH ST	AVIATION AV	ROCHESTER AV	Fortified Reclaim LO	437	35	\$32,298	9
LIVERMORE ST	PLEASANT ST	DEAD END	Full Depth Const. LO	305	35	\$67,476	2
KANE ST	DENNETT ST	RTE 1 BYPASS	Full Depth Const. LO	671	36	\$153,944	4
GOOSE BAY DR	1897' E OF CORPORATE DR W	CORPORATE DR (E)	Full Depth Const. LO	703	37	\$126,725	16
EDWARD ST	PLEASANT ST	200' N OF JUNKINS ST	Full Depth Const. LO	260	37	\$42,608	4
AVIATION AV	HAMPTON RD	ROCHESTER AV	Fortified Reclaim LO	2,409	37	\$245,843	4
DURHAM ST	AVIATION AV	DEAD END	Fortified Reclaim LO	768	38	\$54,059	4
CUTTS ST	MAPLEWOOD AV	ASHLAND ST	Fortified Reclaim LO	261	39	\$25,720	8
CUTTS ST	ASHLAND ST	CENTRAL ST	Fortified Reclaim LO	763	39	\$91,302	32
CENTRAL AV	280' W OF CUTTS ST	MAPLEWOOD AV	Fortified Reclaim LO	706	39	\$69,573	8
MIRONA RD EX	80' N OF DEAD END	DEAD END	Full Depth Const. LO	83	39	\$27,203	2
DURHAM ST	NEW HAMPSHIRE AV	AVIATION AV	Fortified Reclaim LO	970	40	\$88,761	8
MORNING ST	WOODBURY AV	BARTLETT ST	Fortified Reclaim LO	616	40	\$43,360	8
OSPREY DR	SHEARWATER DR/PORTSMOUTH	DUNLIN WY	Fortified Reclaim LO	1,996	40	\$140,497	8
WHIDDEN ST	PLEASANT ST	DEAD END	Fortified Reclaim LO	250	40	\$17,597	4
FRENCHMAN'S LN	ISLINGTON ST	DEAD END	Fortified Reclaim LO	221	40	\$15,556	4
DEARBORN ST	MAPLEWOOD AV	DEAD END	Full Depth Const. LO	265	40	\$32,570	2
ARBORETUM DRIVE	SHORT ST	WILDLIFE REFUGE ROAD CLOSURE	Full Depth Const. LO	2,002	40	\$377,196	4
BEECHWOOD ST	CENTRAL AV	CUTTS ST	Fortified Reclaim LO	348	41	\$28,170	8
LESLIE DR	CUTTS ST	CUL DE SAC LOOP	Fortified Reclaim LO	2,029	41	\$214,230	8
DEER ST	RUSSELL ST	MARKET ST	Full Depth Reclaim LO	483	41	\$70,693	238
ARBORETUM DRIVE	3653' E OF SHORT ST	2682' E OF SHORT ST	Fortified Reclaim LO	971	41	\$78,633	8
MAPLEWOOD AV	RAYNES AV	VAUGHAN ST	Full Depth Reclaim LO	619	41	\$72,472	220
COFFIN CT	CABOT ST	UNION ST	Fortified Reclaim LO	335	42	\$12,969	7
UNION ST	ISLINGTON ST	MIDDLE ST	Fortified Reclaim LO	1,367	42	\$144,333	7
SHEARWATER DR	203' E OF PORTSMOUTH BLVD	PORTSMOUTH BLVD	Fortified Reclaim LO	326	43	\$35,568	29
CENTRAL AV	CUTTS ST	280' W OF CUTTS ST	Full Depth Reclaim LO	277	43	\$22,691	9

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
GRAY'S LN	SAGAMORE AV	BROAD ST	Full Depth Const. LO	267	43	\$19,690	3
PORTSMOUTH BLVD (CLOSED)	995' N OF OSPREY DR	DUNLIN WAY	Fortified Reclaim LO	983	44	\$69,193	28
RUSSELL ST	DEER ST	100' S OF GREEN ST	Full Depth Reclaim AR/CO	358	44	\$71,090	30
FLEET ST	COURT ST	HANOVER ST	Fortified Reclaim AR/CO	1,046	44	\$135,175	14
PARKER ST	TANNER CT	HANOVER ST	Fortified Reclaim LO	95	44	\$6,708	7
ROCHESTER AV	SOMERSWORTH AV	NEW HAMPSHIRE AV	Fortified Reclaim LO	592	44	\$62,506	7
VAUGHAN ST	RAYNES AV	GREEN ST	Fortified Reclaim LO	431	44	\$56,112	7
ARBORETUM DRIVE	2682' E OF SHORT ST	1093' E OF SHORT ST	Fortified Reclaim LO	1,590	44	\$128,683	7
STARK ST	166' W OF DENETT ST	FRANKLIN DR	Fortified Reclaim LO	333	44	\$23,440	1
MARK ST	COURT ST	DEAD END	Fortified Reclaim LO	244	44	\$15,458	4
ELM CT	ISLINGTON ST	DEAD END	Fortified Reclaim LO	107	44	\$6,778	4
LAWRENCE ST	MIDDLE ST	BOSS AV	Fortified Reclaim LO	312	45	\$24,158	7
GOOSE BAY DR	1069' E OF CORPORATE DR W	1897' E OF CORPORATE DR W	Fortified Reclaim LO	830	45	\$87,635	28
STARK ST	CLINTON ST	DENNETT ST	Fortified Reclaim LO	951	45	\$83,675	1
FRANKLIN ST	PLEASANT ST	DEAD END	Fortified Reclaim LO	244	45	\$18,893	3
GREENLAND RD #2	DEAD END	SHERBURN DR	Fortified Reclaim LO	467	45	\$62,457	3
SHEARWATER DR	62' W OF BLUE HERON DR	203' E OF PORTSMOUTH BLVD	Fortified Reclaim LO	350	46	\$28,332	7
HARDING RD	MCKINLEY RD	ELWYN RD	Full Depth Reclaim LO	971	46	\$99,425	8
HANOVER ST	MAPLEWOOD AVE	PORTWALK	Fortified Reclaim AR/CO	345	46	\$78,469	46
F W HARTFORD DR	TAFT RD	T J GAMESTER AV (W)	Full Depth Reclaim LO	611	47	\$57,210	8
GRANT AV	WILSON RD	EDGEWOOD RD	Full Depth Reclaim LO	356	47	\$20,830	8
EDMOND AV	MAPLEWOOD AV	WOODBURY AV	Fortified Reclaim LO	2,043	47	\$179,757	7
CLOUGH DR	855' E OF SOUTH ST	478' S OF BRACKET RD	Full Depth Reclaim LO	463	47	\$47,409	8
HARVARD ST	GREENLAND RD	DEAD END/GATE	Full Depth Reclaim LO	618	47	\$36,131	4
LEDGEWOOD DR	140' W OF CUL-DE-SAC	CUL-DE-SAC	Fortified Reclaim LO	141	47	\$23,854	3
ANDREW JARVIS DR	LAFAYETTE RD	HIGH SCHOOL PARKING LOT	Fortified Reclaim LO	812	47	\$71,445	3
CLIFF RD #2	DEAD END	DEAD END	Fortified Reclaim LO	317	47	\$26,776	3
NIXON PK	MCKINLEY RD	NIXON PK (LOOP)	Full Depth Reclaim LO	907	48	\$71,644	8
CORPORATE DR #2	RYE ST	772' E OF GOOSE BAY DR W	Full Depth Reclaim AR/CO	1,926	48	\$225,809	46
LEE ST	AVIATION AV	ROCHESTER AV	Full Depth Reclaim LO	434	48	\$38,091	8
GREEN ST	VAUGHAN ST	RUSSELL ST	Fortified Reclaim LO	487	48	\$39,422	7
PIERCE ISLAND RD	END OF BRIDGE DECK	1500' S OF MECHANIC ST	Full Depth Reclaim LO	1,117	48	\$78,428	30
VAN BUREN AV	ADAMS AV	FILMORE RD	Full Depth Reclaim LO	245	48	\$24,370	8

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
BARTLETT ST	THORNTON ST	DENNETT ST	Full Depth Reclaim AR/CO	338	48	\$51,821	119
DWIGHT AV	TYLER AV	VAN BUREN AV	Full Depth Reclaim LO	510	48	\$50,729	8
MAPLEWOOD AV	WOODBURY AV	EDMOND AV	Full Depth Reclaim LO	2,573	48	\$248,406	64
PIERCE ISLAND RD	1500' S OF MECHANIC ST	DEAD END	Full Depth Reclaim LO	1,192	48	\$83,694	30
PRINCETON ST	HARVARD ST	DEAD END	Full Depth Reclaim LO	203	48	\$15,441	4
WALKER BUNGALOW RD	SHAW RD	CUL-DE-SAC LOOP	Full Depth Reclaim LO	749	48	\$43,825	4
VERSAILLES AV	JONES AV	DEAD END	Fortified Reclaim LO	314	48	\$20,997	3
WALKER BUNGALOW RD	LITTLE HARBOR RD	SHAW RD	Full Depth Reclaim LO	2,028	49	\$106,795	8
SPARHAWK ST	DENNETT ST	THORTON ST	Fortified Reclaim LO	268	49	\$32,069	6
SPARHAWK ST	THORTON ST	CLINTON ST	Full Depth Reclaim LO	567	49	\$41,470	8
HUNTERS HILL	DENNETT ST	DEAD END	Fortified Reclaim LO	239	49	\$0	6
MICHAEL SUCCI DR	MARKET ST	DEAD END	Full Depth Reclaim LO	1,162	49	\$81,588	4
DODGE AV	GREENLAND RD	DEAD END	Full Depth Reclaim LO	807	49	\$63,745	4
HANOVER ST #1	ROCK ST	BREWSTER ST	Full Depth Reclaim LO	284	50	\$16,617	8
CHESTNUT ST #1	CONGRESS ST	PORTER ST	Full Depth Reclaim LO	188	50	\$9,900	8
WOODBURY AV (OLD)	WOODBURY AV	DEAD END	Fortified Reclaim LO	373	50	\$28,842	1
MCDONOUGH ST	BREWSTER ST	CORNWALL ST	Fortified Reclaim LO	380	50	\$45,424	3
RAYNES AV	MAPLEWOOD AV	VAUGHAN ST	Fortified Reclaim LO	250	50	\$30,795	6
NEWFIELDS ST	NEW HAMPSHIRE AV	ROCHESTER AV	Fortified Reclaim LO	468	50	\$54,355	6
SHERIDAN AV	SOUTH ST	DEAD END	Full Depth Reclaim LO	279	50	\$11,427	4
CLIFF RD	SAGAMORE AV	CLIFF RD #2	Full Depth Reclaim LO	326	51	\$22,890	7
ONYX LN	TOPAZ PL	DIAMOND DR	Full Depth Reclaim LO	309	51	\$22,600	7
CHASE DR	MICHAEL SUCCI DR	CUTTS AV EX	Fortified Reclaim LO	913	51	\$89,972	6
DODGE AVE #2	DODGE AV	DEAD END	Full Depth Reclaim LO	229	51	\$21,438	4
JENKINS AV	SUMMIT AV	ROCKAWAY ST	Full Depth Reclaim LO	235	52	\$8,250	7
PLEASANT ST	WENTWORTH ST	JUNKINS AV	Full Depth Reclaim AR/CO	808	52	\$109,306	13
PEARSON ST	PLAINS AV #1	DEAD END	Fortified Reclaim LO	740	52	\$46,879	3
SUMMIT AV	SOUTH ST	DEAD END	Full Depth Reclaim LO	551	52	\$54,807	4
SUDBURY ST	BREWSTER ST	ROCK ST	Full Depth Reclaim LO	261	53	\$14,508	7
LITTLE HARBOR RD	552' E OF SAGAMORE AV	3245' E OF SAGAMORE AV	Full Depth Reclaim LO	2,714	53	\$142,919	7
BURKITT ST EXT	DENNETT ST	140' W OF DENNETT ST	Fortified Reclaim LO	127	53	\$13,409	3
SOUTH ST	LAFAYETTE RD	MIDDLE RD	Full Depth Reclaim AR/CO	753	54	\$88,237	59
PARROT AV	JUNKINS AV	EDWARDS ST	Full Depth Reclaim LO	106	54	\$11,504	28



<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
MIRONA RD	250' W OF LAFAYETTE RD	500' E OF PEVERLY HILL R	Full Depth Reclaim AR/CO	1,417	54	\$204,471	16
STRATHAM ST	NEW HAMPSHIRE AV	ROCHESTER AV	Full Depth Reclaim LO	427	54	\$46,221	7
CORPORATE DR #1	1117' E OF GRAFTON	RYE ST	Full Depth Reclaim AR/CO	4,692	54	\$550,101	33
SANDERLING WAY	BLUE HERON DR	OSPREY DR	Fortified Reclaim LO	845	54	\$89,219	6
CHURCH ST	70' S OF CONGRESS ST	STATE ST	Full Depth Reclaim LO	352	54	\$15,443	3
BOYD RD	WOODBURY AV	RT 1 BY PASS RAMP	Full Depth Reclaim LO	837	55	\$51,423	7
SUNSET RD	BOSS AV	THAXTER RD	Full Depth Reclaim LO	683	55	\$59,945	7
SPINNEY RD	100' S OF SEWALL RD	ISLINGTON ST	Full Depth Reclaim AR/CO	632	55	\$68,349	13
REGINA RD	ELWYN RD	REGINA RD (LOOP)	Full Depth Reclaim LO	1,892	55	\$160,520	7
HARDING RD	ADAMS AV	MCKINLEY RD	Full Depth Reclaim LO	1,822	55	\$159,911	7
CHURCH ST	STATE ST	DEAD END	Full Depth Reclaim LO	260	55	\$11,409	3
BARTLETT ST	DENNETT ST	DEAD END	Full Depth Reclaim LO	206	55	\$10,245	3
HARDING RD	700' N OF T J GAMESTER	ADAMS AV	Full Depth Reclaim LO	919	56	\$88,752	7
MIRONA RD EX	MIRONA RD	80' N OF DEAD END	Full Depth Reclaim LO	420	56	\$49,149	7
DIAMOND DR	ONYX LA	RUBY RD	Full Depth Reclaim LO	680	57	\$49,734	7
PEVERLY HILL RD	ENTRANCE TO DPW	150' N OF BANFIELD RD	Full Depth Reclaim AR/CO	873	57	\$177,149	38
PIERCE ISLAND RD	150' E OF MECHANIC ST	END OF BRIDGE DECK	Full Depth Reclaim LO	305	57	\$20,523	25
HIGH ST	225' W OF HANOVER ST	DEER ST	Full Depth Reclaim LO	312	58	\$16,430	6
SAPPHIRE ST	EDMOND AV	ROCKINGHAM AV	Full Depth Reclaim LO	238	58	\$17,407	6
BURKITT ST	THORNTON ST	DENNETT ST	Full Depth Reclaim LO	296	58	\$22,515	6
SAGAMORE AV	SOUTH SIDE OF BRIDGE	WENTWORTH HOUSE RD	Full Depth Reclaim AR/CO	610	58	\$87,950	74
CHAPEL ST	BOW ST	DANIEL ST	Full Depth Reclaim LO	472	58	\$30,379	6
SAGAMORE AV	WENTWORTH HOUSE RD	RYE TOWN LINE	Full Depth Reclaim AR/CO	1,655	58	\$238,741	74
SAPPHIRE ST	DIAMOND DR	EDMOND AV	Full Depth Reclaim LO	491	58	\$35,911	6
ROCK ST	ISLINGTON ST	SUDBURY ST	Full Depth Reclaim LO	400	58	\$22,234	6
BLUE HERON DR	SHEARWATER DR	DUNLIN WY	Full Depth Reclaim LO	2,157	58	\$126,209	6
COACH RD	LAFAYETTE RD	CUL-DE-SAC LOOP	Full Depth Reclaim LO	1,295	58	\$121,235	3
PLEASANT ST	MARCY ST	WENTWORTH ST	Full Depth Reclaim AR/CO	625	59	\$50,730	37
AIRLINE AV	700' N OF EXETER ST	GATE	Full Depth Reclaim LO	422	59	\$32,076	3
CLOUGH DR	SOUTH ST	855' E OF SOUTH ST	Full Depth Reclaim LO	839	59	\$58,909	6
DEER ST	MAPLEWOOD AV	RUSSELL ST	Full Depth Reclaim AR/CO	447	60	\$100,873	95
BANFIELD RD	CONSTITUTION AV	541' N OF OCEAN RD	Full Depth Reclaim AR/CO	3,514	60	\$364,452	66
MANNING PL	GATES ST	END	Full Depth Reclaim LO	64	60	\$2,434	3

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
PLAINS AV #1	ISLINGTON ST	DEAD END	Full Depth Reclaim LO	358	60	\$27,231	6
WARD PL	MONROE ST	MIDDLE RD	Full Depth Reclaim LO	230	60	\$15,476	6
SEWALL RD	ALDRICH RD	THAXTER RD	Full Depth Reclaim LO	237	60	\$13,174	6
HANOVER ST	PORTWALK	100' W OF MARKET ST	Overlay AR/CO	716	61	\$34,649	20
ALDER WAY	KANE ST	DEAD END	Overlay LO	208	61	\$5,662	7
RUSSELL ST	100' S OF GREEN ST	MARKET ST	Overlay AR/CO	380	61	\$18,411	29
ESSEX AV	MELBOURNE ST	MIDDLE RD	Overlay AR/CO	1,404	61	\$49,413	49
MELBOURNE ST	VINE ST	RUTLAND ST	Overlay LO	1,436	61	\$39,089	7
MAPLEWOOD AV	DENNETT ST	RAYNES AV	Overlay AR/CO	821	61	\$36,105	40
COLONIAL DR	SHERBURNE RD	2500' N OF SHERBURNE RD	Overlay LO	2,509	61	\$71,029	7
PEVERLY HILL RD	327' N OF WEST ROAD	ENTRANCE TO DPW	Overlay AR/CO	470	62	\$11,372	58
FILMORE RD	VAN BUREN AV	HARDING RD	Overlay w/mill LO	442	62	\$19,393	5
FRANKLIN AV	WOODBURY AV	DEAD END	Overlay w/mill LO	738	62	\$27,500	5
WORTHEN RD	COLONIAL DR	DEAD END	Overlay LO	97	62	\$2,640	3
MARJORIE ST	MIDDLE RD	DEAD END	Overlay LO	669	62	\$20,396	3
BURKITT ST	CLINTON ST	THORNTON ST	Overlay LO	575	63	\$16,278	6
ROGERS ST	COURT ST	PARROT AV	Overlay LO	523	63	\$11,389	9
EDWARDS ST	200' N OF JUNKINS ST	JUNKINS ST	Overlay LO	204	63	\$4,442	26
JUNKINS AV	PARROT AV	PLEASANT ST	Overlay w/mill AR/CO	343	63	\$13,132	57
MASON AV	DECATUR RD	COLONIAL AV	Overlay LO	637	63	\$16,646	6
T J GAMESTER DR	F W HARTFORD DR	F W HARTFORD DR	Overlay LO	967	63	\$33,693	6
PLEASANT ST	JUNKINS AV	COURT ST	Overlay w/mill AR/CO	390	63	\$19,894	102
HANOVER ST	BRIDGE ST	MAPLEWOOD AVE	Overlay AR/CO	150	63	\$7,259	48
ORCHARD ST	294' N OF WILLARD AV	WIBIRD ST	Overlay LO	906	63	\$28,617	6
FILMORE RD	DEAD END	VAN BUREN AV	Overlay w/mill LO	165	63	\$7,264	5
CABOT ST	MIDDLE ST	ISLINGTON ST	Overlay LO	1,250	64	\$43,553	21
MARKET ST WB	RUSSELL ST	NOBLES ISLAND	Overlay AR/CO	766	64	\$27,816	150
LANGDON ST	DEAD END	ISLINGTON ST	Overlay w/mill LO	537	64	\$14,293	5
ARBORETUM DRIVE	1093' E OF SHORT ST	SHORT ST	Overlay LO	1,093	64	\$27,380	6
HIGH ST	HANOVER ST	225' W OF HANOVER ST	Overlay LO	220	64	\$8,384	6
DECATUR RD	COLONIAL DR	COLONIAL DR	Overlay LO	1,042	64	\$28,364	6
MIRONA RD	LAFAYETTE RD	250' W OF LAFAYETTE RD	Overlay AR/CO	248	65	\$12,274	18
TAFT RD	CLEVELAND DR	ELWYN RD	Overlay LO	627	65	\$18,433	25

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
MARKET ST EB	NOBLES ISLAND	RUSSELL ST	Overlay AR/CO	777	65	\$28,197	166
COAKLEY RD	606' W OF RTE BYPASS	COAKLEY RD (LOOP)	Overlay LO	2,601	65	\$84,962	11
WOODBURY AV (#2)	MARKET ST	900' N OF MARKET ST	Overlay AR/CO	862	65	\$28,442	120
SOUTH ST	MARCY ST	JUNKINS AV	Overlay AR/CO	1,857	65	\$53,102	21
ISLINGTON ST	MAPLEWOOD AV	150' N OF BARTLETT ST	Overlay w/mill AR/CO	3,314	65	\$169,252	200
TAFT RD	HOOVER DR	796' N OF HOOVER DR	Overlay w/mill LO	808	65	\$35,484	10
STATE ST	CASS ST	MIDDLE ST	Overlay w/mill LO	2,634	65	\$122,686	34
MCKINLEY RD	HARDING RD	VAN BUREN AV	Overlay LO	1,620	65	\$52,917	18
WENTWORTH ST	PLEASANT ST	DEAD END	Overlay LO	434	65	\$8,506	3
NORTHWEST ST	MAPLEWOOD AV	DEAD END	Overlay LO	1,269	65	\$27,635	3
ORCHARD ST	WILLARD AV	294' N OF WILLARD AV	Overlay LO	294	65	\$6,394	6
HAMPTON ST	AVIATION AVE	FLIGHT LINE DR	Overlay LO	1,026	65	\$33,508	6
EDGEWOOD RD	250' S OF ELWYN RD	GRANT AV	Overlay LO	622	65	\$26,413	6
TAFT RD	GARFIELD RD	CLEVELAND DR	Overlay LO	2,331	65	\$76,142	6
HARRISON AV	MCKINLEY RD	PIERCE PL	Overlay LO	1,074	65	\$35,082	6
GRANT AV	MCKINLEY RD	WILSON RD	Overlay LO	1,005	65	\$32,828	6
CENTRAL AV	MAPLEWOOD AV	MYRTLE AV S	Overlay LO	966	65	\$29,451	6
LAFAYETTE RD	ANDREW JARVIS DR	325' S OF SOUTH ST	Overlay w/mill AR/CO	836	66	\$41,514	183
BANFIELD RD	PEVERLY HILL RD	475' S OF PEVERLY HILL R	Overlay AR/CO	475	66	\$22,464	82
ISLINGTON ST	RUTLAND ST	PLAINS AV #1	Overlay w/mill AR/CO	3,172	66	\$121,503	113
INTERNATIONAL DR	CORPORATE DR	PEASE BV	Overlay AR/CO	940	66	\$69,245	36
MONROE ST	WARD PL	MIDDLE RD	Overlay LO	342	66	\$16,385	6
COOLIDGE DR	HOOVER DR	MCKINLEY RD	Overlay LO	1,364	66	\$32,674	6
HIGH ST #2	CONGRESS ST	LADD ST	Overlay LO	224	66	\$4,634	6
JOAN AV	ANNE AV	RICCI AV	Overlay LO	325	66	\$10,616	6
SHEARWATER DR	CUL DE SAC	62' W OF BLUE HERON DR	Overlay w/mill LO	357	67	\$14,136	9
BANFIELD RD	475' S OF PEVERLY HILL R	750' S OF PEVERLY HILL R	Overlay AR/CO	275	67	\$7,259	80
MAPLEWOOD AV	EDMOND AV	291' W OF CENTRAL AV	Overlay w/mill AR/CO	613	67	\$38,267	57
ADAMS AV	HARDING RD	DEAD END	Overlay LO	468	67	\$15,287	3
ARTHUR F BRADY DR	800' S OF WOODBURY AVE	STATE ON-RAMP	Overlay LO	501	67	\$21,833	6
ARTHUR F BRADY DR	WOODBURY AV	APPLEBEE'S DRIVEWAY	Overlay LO	233	67	\$10,126	6
MCKINLEY RD	200' W OF TAFT DR	LAFAYETTE RD	Overlay LO	805	67	\$26,295	6
F W HARTFORD DR	840' S OF T J GAMESTER AV	HARDING RD	Overlay LO	833	67	\$29,024	6

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
MT VERNON ST	SOUTH ST	POLICE DEPT LOT	Overlay LO	396	67	\$9,486	6
WILSON RD	TAFT RD	930' W OF TAFT RD	Overlay LO	948	67	\$27,870	6
VAN BUREN AV	FILMORE RD	HARRISON AV	Overlay LO	1,028	67	\$35,818	6
ROBERT AV	LAFAYETTE RD	ANNE AV	Overlay LO	875	67	\$33,346	6
RICCI AV	JOAN AV	ROBERTS AV	Overlay LO	390	67	\$12,739	6
ASH ST	ORCHARD ST	WILLARD AV	Overlay LO	279	67	\$9,114	6
MCKINLEY RD	VAN BUREN AV	200' W OF TAFT DR	Overlay LO	1,134	68	\$40,746	17
MIRONA RD	500' E OF PEVERLY HILL R	PEVERLY HILL RD	Overlay AR/CO	498	68	\$16,979	18
MAPLEWOOD AV	VAUGHAN ST	ISLINGTON ST	Overlay AR/CO	1,085	68	\$62,053	106
WOODBURY AV	GOSLING ROAD	978' N OF MARKET ST	Overlay AR/CO	2,453	68	\$202,342	220
GREENLAND RD #2	SHERBURN DR	GREENLAND RD	Overlay w/mill LO	395	68	\$14,186	9
SIMS AV	MELBOURNE ST	DEAD END	Overlay LO	660	68	\$14,373	3
WILSON RD	930' W OF TAFT RD	LAFAYETTE RD	Overlay LO	496	68	\$14,042	6
TAFT RD	796' N OF HOOVER DR	GARFIELD RD	Overlay LO	322	68	\$10,518	6
GRANT AV	EDGEWOOD RD	ELWYN RD	Overlay LO	244	68	\$7,970	6
MARCY ST	PLEASANT ST	SOUTH ST	Overlay w/mill AR/CO	168	69	\$11,925	54
AIRLINE AV	EXETER ST	700' N OF EXETER ST	Overlay LO	700	69	\$34,313	3
LOIS ST	MIDDLE RD	DEAD END	Overlay LO	486	69	\$10,583	3
KENSINGTON RD	MIDDLE RD	BOSS AV	Overlay LO	670	69	\$17,508	6
RUBY RD	EDMOND AV	DIAMOND DR	Overlay LO	448	69	\$12,195	6
OPAL AV	DIAMOND DR	TOPAZ PL	Overlay LO	264	69	\$7,186	6
PORTER ST	340' E OF MIDDLE ST	PLEASANT ST	Overlay LO	581	69	\$8,224	6
LARRY LN	COAKLEY RD (N)	COAKLEY RD (S)	Overlay LO	405	69	\$13,229	6
RYE ST	INTERNATIONAL DR	CORPORATE DR #2	Overlay LO	1,622	69	\$44,152	6
HANOVER ST	PEARL ST	BRIDGE ST	Overlay w/mill LO	551	70	\$21,998	9
MONROE ST EX	SOUTH ST	DEAD END	Overlay LO	244	70	\$6,111	3
FAIRVIEW AV	OLEARY PL	EDMOND AV	Overlay LO	463	70	\$12,601	6
THAXTER RD	SUNSET RD	BOSS AV	Overlay LO	982	70	\$35,285	6
TOPAZ PL	OPAL AV	ONYX LN	Overlay LO	297	70	\$8,085	6
HAYES PL	HARDING RD	MCKINLEY RD	Overlay LO	326	70	\$9,939	6
GARFIELD RD	MCKINLEY RD	TAFT RD	Overlay LO	676	70	\$20,609	6
COLONIAL DR	2500' N OF SHERBURNE RD	SHERBURNE RD	Overlay LO	1,592	70	\$45,069	6
MARKET ST #1	BOW ST	DANIEL ST	Overlay w/mill AR/CO	421	71	\$29,865	41

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
GOSLING RD (EB)	WEDGEWOOD RD	END OF MEDIAN	Overlay AR/CO	1,241	71	\$40,947	143
BARTLETT ST	500' W OF ISLINGTON ST	THORNTON ST	Overlay AR/CO	1,303	71	\$50,158	110
NEWCASTLE AV	SOUTH ST	MARCY ST	Overlay LO	842	71	\$22,006	16
MARKET ST EB	RT 95 N ON RAMP	NOBLES ISLAND	Overlay AR/CO	2,910	71	\$105,628	152
JUNKINS AV	SOUTH ST	544' N OF LINCOLN AV	Overlay AR/CO	959	71	\$25,314	33
GOSLING RD	130' E OF WOODBURY AV	150' W OF WOODBURY AV	Overlay AR/CO	280	71	\$7,391	143
PRAY ST	MARCY ST	DEAD END	Overlay LO	268	71	\$3,502	3
ORCHARD CT	WILLARD AV	DEAD END	Overlay LO	187	71	\$4,072	3
FAIRVIEW AV	MAPLEWOOD AV	OLEARY PL	Overlay LO	248	71	\$11,886	6
BOSS AV	110' S OF SUNSET RD	MIDDLE RD	Overlay LO	627	71	\$15,019	6
MIDDLE ST	MIDDLE RD	MILLER AV	Crackseal & Patch	2,999	72	\$23,221	430
THAXTER RD	ISLINGTON ST	SUNSET RD	Prev. Maintenance	900	72	\$11,136	11
DENNETT ST	BURRITT ST	100' S OF MILL POND WAY	Prev. Maintenance	1,004	72	\$13,412	108
DUNLIN WAY	BLUE HERON DR	PORTSMOUTH BLVD	Crackseal & Patch	875	72	\$3,080	22
CORPORATE DR #2	GOOSE BAY DR (W)	INTERNATIONAL DR	Crackseal & Patch	716	72	\$6,930	172
STATE ST	FLEET ST	PLEASANT ST	Crackseal & Patch	420	72	\$3,104	430
DENNETT ST	MAPLEWOOD AV	BARTLETT ST	Prev. Maintenance	312	72	\$6,181	108
GOSLING RD	R X R TRACKS	300' E OF WOODBURY AV	Crackseal & Patch	2,533	72	\$11,144	22
BREWERY LN	PARKING LOT (JEWELL CT)	60' WEST OF JEWELL CT	Prev. Maintenance	140	72	\$1,940	11
DENNETT ST	100' S OF MILL POND WAY	WOODBURY AV	Prev. Maintenance	1,234	72	\$17,711	108
GOSPORT RD	ELWIN RD	ODIORNE POINT RD (E)	Crackseal & Patch	2,913	72	\$16,916	22
AUSTIN ST	SUMMER ST	CABOT ST	Prev. Maintenance	497	72	\$8,117	11
INTERNATIONAL DR	100' S OF CORPORATE DR	CORPORATE DR	Crackseal & Patch	351	72	\$4,142	172
DENNETT ST	BARTLETT ST	BURRITT ST	Prev. Maintenance	979	72	\$15,991	108
TAYLOR LN	ARTHUR RD	CLEVELAND DR	Crackseal & Patch	696	72	\$3,674	22
RUTH ST	THORNTON ST	DEAD END	Prev. Maintenance	253	72	\$2,755	5
BROAD ST	SOUTH ST	JONES AVE	Prev. Maintenance	1,541	73	\$24,412	106
ROCKINGHAM AV	MEADOW RD	SPAULDING TP	Prev. Maintenance	526	73	\$6,508	34
VERDUN ST	SAGAMORE RD	MARNE AV	Crackseal & Patch	424	73	\$1,418	8
CORPORATE DR #2	772' E OF GOOSE BAY DR W	GOOSE BAY DR (W)	Prev. Maintenance	774	73	\$17,238	212
ECHO AV	SPAULDING TP	HILLCREST DR	Prev. Maintenance	865	73	\$10,275	21
CONGRESS ST	PLEASANT ST	MIDDLE ST	Crackseal & Patch	998	73	\$7,025	314
JUNKINS AV	544' N OF LINCOLN AV	PARROT AV	Crackseal & Patch	798	73	\$3,792	165

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BOW ST	DANIEL ST	464' N OF DANIEL ST	Prev. Maintenance	454	73	\$6,291	32
NATHANIEL DR	MARIETTE DR	CUL-DE-SAC	Crackseal & Patch	1,690	73	\$10,336	21
ROCKAWAY ST	JENKINS AV	DEAD END	Crackseal & Patch	148	73	\$573	11
SCHURMAN AV	COLONIAL DR	DEAD END	Prev. Maintenance	164	73	\$2,029	5
BENSON ST	SIMS AV	DEAD END	Prev. Maintenance	249	73	\$1,972	5
NEW HAMPSHIRE AV	PEASE BLVD	INTERNATIONAL DR	Prev. Maintenance	5,934	74	\$114,539	126
LAFAYETTE RD	325' S OF SOUTH ST	WILLARD AV	Crackseal & Patch	845	74	\$6,691	544
WOODLAWN CR	WOODBURY AV	575' FROM ECHO AV	Prev. Maintenance	1,020	74	\$12,616	10
COURT ST	PLEASANT ST	MIDDLE ST	Prev. Maintenance	1,111	74	\$18,145	105
LAFAYETTE RD	WILLARD AV	MIDDLE ST	Crackseal & Patch	588	74	\$4,656	544
GOSLING RD (EB)	SPAULDING TP	WEDGEWOOD DR	Crackseal & Patch	1,023	74	\$7,201	712
SHERBURNE RD	948' N OF GREENLAND RD	WITMER AV	Prev. Maintenance	2,046	74	\$29,366	10
CORPORATE DR #1	NEW HAMPSHIRE AV	GRAFTON DR	Prev. Maintenance	983	74	\$12,649	105
VINE ST	ISLINGTON ST	MELBOURNE ST	Crackseal & Patch	238	75	\$796	21
WHIPPLE CT	DECATUR RD	CUL-DE-SAC LOOP	Crackseal & Patch	305	75	\$1,181	10
WILLARD AV	LAFAYETTE RD	100' W OF MARSTON	Crackseal & Patch	1,090	75	\$6,715	21
ROCKINGHAM AV	SAPPHIRE ST	WOODBURY AV	Prev. Maintenance	622	75	\$7,696	10
STATE ST	MIDDLE ST	FLEET ST	Crackseal & Patch	650	75	\$4,804	413
MARKET ST WB	NOBLES ISLAND	RT 95 N ON RAMP	Crackseal & Patch	2,967	75	\$17,229	661
POLK AV	TAFT RD	HARRISON AV	Crackseal & Patch	244	75	\$1,718	21
MARKET ST WB	KEARSARGE WY	WOODBURY AV	Prev. Maintenance	3,403	75	\$50,527	430
O'LEARY PL	FAIRVIEW AV	CUL-DE-SAC	Crackseal & Patch	211	75	\$2,046	10
GOOSE BAY DR	CORPORATE DR (W)	1069' E OF CORPORATE DR W	Crackseal & Patch	1,071	76	\$5,654	20
FARM LN	25' W OF MEADOW RD	SPAULDING TP	Prev. Maintenance	928	76	\$13,779	18
FLETCHER ST	SIMS AV	DEAD END	Crackseal & Patch	178	76	\$626	10
SHEFFIELD RD	MELBOURNE ST	MIDDLE RD	Crackseal & Patch	1,363	76	\$7,675	20
LEAVITT AV	MIDDLE RD	MCCLINTOCK AV	Crackseal & Patch	671	76	\$2,362	20
LITTLE HARBOR RD	SAGAMORE AV	552' E OF SAGAMORE AV	Prev. Maintenance	556	76	\$4,678	10
RUTLAND ST	MELBOURNE ST	ISLINGTON ST	Crackseal & Patch	247	76	\$1,304	20
GOSLING RD	150' W OF WOODBURY AV	WEDGEWOOD RD	Crackseal & Patch	936	76	\$12,683	693
EDGEWOOD RD	ELWYN RD	250' S OF ELWYN RD	Crackseal & Patch	246	76	\$1,450	20
CUTTS AV	DEAD END (S)	CHASE DR	Prev. Maintenance	261	76	\$3,100	5
MANCHESTER SQ	INTERNATIONAL DR	500' W OF INTERNATIONAL D	Crackseal & Patch	515	77	\$2,809	81

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GREENSIDE AV	WITMER AV	408' S OF SHERBURNE RD	Crackseal & Patch	1,086	77	\$4,778	20
MONROE ST	SOUTH ST	WARD PL	Prev. Maintenance	274	77	\$3,933	40
CLEVELAND DR	TAFT RD	VAN BUREN AV	Crackseal & Patch	1,194	77	\$6,093	20
BANFIELD RD	750' S OF PEVERLY HILL R	CONSTITUTION AV	Crackseal & Patch	5,045	77	\$21,307	362
BREWSTER ST	ISLINGTON AV	DEAD END	Crackseal & Patch	587	77	\$2,066	10
BRIDGE ST	DEER ST	HANOVER ST	Crackseal & Patch	372	77	\$2,291	60
GRANT AV	HOOVER DR	MCKINLEY RD	Crackseal & Patch	1,423	77	\$6,511	20
PLEASANT ST	STATE ST	CONGRESS ST	Crackseal & Patch	427	77	\$3,757	266
LADD ST	HIGH ST	MARKET ST	Crackseal & Patch	262	78	\$738	20
PEARL ST	HANOVER ST	ISLINGTON ST	Crackseal & Patch	301	78	\$1,589	20
HAMPSHIRE RD #2	HAMPSHIRE RD	DEAD END	Crackseal & Patch	137	78	\$579	10
SPINNEY RD	MIDDLE RD	100' S OF SEWALL RD	Crackseal & Patch	1,240	78	\$5,237	64
COOLIDGE DR	MCKINLEY RD	WILSON RD	Crackseal & Patch	960	78	\$4,392	20
STARK ST	DENNETT ST	166' W OF DENNETT ST	Crackseal & Patch	166	78	\$876	20
WINTER ST	STATE ST	AUSTIN ST	Crackseal & Patch	396	78	\$1,394	20
LENS AV	JONES AV	DEAD END	Crackseal & Patch	477	78	\$1,511	10
CATE ST	547' S OF BARTLETT ST	BARTLETT ST	Prev. Maintenance	541	78	\$7,497	15
HANOVER ST	ROCK ST	PEARL ST	Crackseal & Patch	144	78	\$659	20
WOODBURY AV	978' N OF MARKET ST	MARKET ST	Crackseal & Patch	983	78	\$5,535	517
SARATOGA WY	BEDFORD WY	CRESCENT WY	Prev. Maintenance	792	78	\$7,840	10
LONGMEADOW LN	WOODLAWN CR	150' S OF WOODLAWN CR	Prev. Maintenance	160	78	\$1,663	5
ODIORNE POINT RD	GOSPORT RD (E)	CUL DE SAC LOOP	Crackseal & Patch	1,994	79	\$11,579	20
OAKWOOD DR	ELWYN RD	CUL-DE-SAC	Crackseal & Patch	797	79	\$4,488	10
MCCLINTOCK AV	SWEATT AV	LEAVITT AV	Crackseal & Patch	615	79	\$2,597	20
CATE ST	COTTAGE ST	547' S OF BARTLETT ST	Crackseal & Patch	929	79	\$3,270	36
CONSTITUTION AV	350' W OF LAFAYETTE RD	1810' W OF LAFAYETTE RD	Crackseal & Patch	1,460	79	\$8,221	133
TRUMAN PL	MCKINLEY RD	HARDING RD	Crackseal & Patch	378	79	\$1,929	20
MARNE AV	JONES AV	DEAD END	Crackseal & Patch	605	79	\$2,129	10
GREENSIDE AV	408' S OF SHERBURNE RD	SHERBURNE RD	Crackseal & Patch	412	79	\$1,740	20
SEWALL RD	THAXTER RD	SPINNEY RD	Crackseal & Patch	1,204	79	\$5,085	20
COURT ST	MARCY ST	PLEASANT ST	Crackseal & Patch	1,250	80	\$5,059	194
GOSLING RD (WB)	WEDGEWOOD RD	SPAULDING TP	Crackseal & Patch	1,022	80	\$5,395	659
CONSTITUTION AV	1810' W OF LAFAYETTE RD	BANFIELD RD	Crackseal & Patch	2,260	80	\$13,124	128



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MARKET ST	DEER ST	RUSSELL ST	Crackseal & Patch	501	80	\$4,408	504
ARTHUR RD	CLEVELAND DR	TAYLOR RD	Crackseal & Patch	634	80	\$3,347	19
KEARSARGE WY	50' S OF BIRCH ST	MARKET ST EB	Crackseal & Patch	399	80	\$3,018	194
MARKET ST EB	WOODBURY AV	KEARSARGE WY	Crackseal & Patch	3,381	80	\$17,254	620
NEWCASTLE AV	MARCY ST	PLEASANT POINT DR	Crackseal & Patch	1,060	80	\$4,476	128
INTERNATIONAL DR	355' N OF NEW HAMPSHIRE A	100' NORTH OF OAK ST	Crackseal & Patch	1,336	80	\$6,114	388
GOSLING RD	300' E OF WOODBURY AV	130' E OF WOODBURY AV	Prev. Maintenance	170	80	\$2,524	10
CONSTITUTION AV	LAFAYETTE RD	350' W OF LAFAYETTE RD	Crackseal & Patch	350	81	\$2,464	77
MYRTLE AV	RTE 1 BYPASS SB	DEAD END	Crackseal & Patch	830	81	\$2,921	10
TAYLOR LN	HARDING RD	ARTHUR RD	Crackseal & Patch	361	81	\$1,906	19
MIDDLE ST	RICHARDS AV	STATE ST	Crackseal & Patch	676	81	\$3,807	421
BALL ST	NEW CASTLE AV	DEAD END	Crackseal & Patch	207	81	\$437	10
ASH ST	WILLARD AV	DEAD END	Crackseal & Patch	357	81	\$1,382	10
HILL ST	BRIDGE ST	DEAD END	Crackseal & Patch	415	81	\$1,461	10
GRIFFIN RD	375' S OF GREENLAND RD	CUL-DE-SAC	Crackseal & Patch	1,043	81	\$5,045	19
STATE ST	PLEASANT ST	WRIGHT AV	Crackseal & Patch	930	81	\$7,201	345
PLEASANT POINT DR	NEW CASTLE AV	DEAD END	Crackseal & Patch	1,188	81	\$5,854	10
PIERCE PL	CLEVELAND DR	TAFT RD	Crackseal & Patch	353	81	\$2,112	19
KEARSARGE WY	PREBLE WY	RANGER WY	Crackseal & Patch	1,071	81	\$4,900	191
PEASE BV	860' E OF NEW HAMPSHIRE AV	SPAULDING TNPK	Crackseal & Patch	2,169	81	\$15,267	613
BAYCLIFF RD	NEW CASTLE AV	DEAD END	Crackseal & Patch	347	81	\$1,832	10
ANNE AV	ROBERTS AV	JOAN AV	Crackseal & Patch	425	82	\$2,244	19
WOODBURY AV	RTE 1 BYPASS	MORNING ST	Crackseal & Patch	1,393	82	\$7,843	231
GREENLAND RD #3	RT 101	DEAD END	Crackseal & Patch	456	82	\$2,247	9
AVIATION AV	GRAFTON DR	DURHAM ST	Crackseal & Patch	1,177	82	\$6,421	19
FALKLAND WY	KEARSARGE WY	DEAD END	Crackseal & Patch	112	82	\$374	9
FALKLAND PL	RANGER WY	KEARSARGE WY	Crackseal & Patch	225	82	\$1,109	19
SYLVESTER ST	MIDDLE RD	DEAD END	Crackseal & Patch	345	82	\$1,093	9
OXFORD AV	GREENLAND RD #1	DEAD END	Crackseal & Patch	799	82	\$2,812	19
FIELDS RD	SEWALL RD	SEWALL RD	Crackseal & Patch	632	82	\$3,336	19
SWEATT AV	MIDDLE RD	DEAD END	Crackseal & Patch	890	82	\$3,132	9
CHATHAM ST	WINTER ST	SUMMER ST	Crackseal & Patch	371	82	\$1,240	4
MENDUM AV	MIDDLE ST	PARK ST	Crackseal & Patch	542	83	\$2,384	19

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MIDDLE ST	MILLER AV	RICHARDS AV	Crackseal & Patch	604	83	\$4,889	411
WOODWORTH AV	MIDDLE RD	DEAD END	Crackseal & Patch	908	83	\$2,876	9
SHERBURNE RD	GREENLAND RD	385'N OF GREENLAND RD	Crackseal & Patch	377	83	\$2,656	74
HARDING RD	T J GAMESTER	700' N OF T J GAMESTER	Crackseal & Patch	707	83	\$4,104	19
PEASE BV (WB)	SPAULDING TP	PEASE BLVD #1	Crackseal & Patch	2,129	83	\$15,735	598
SHERBURNE AV #1	ROCKLAND ST	DEAD END	Crackseal & Patch	1,066	83	\$4,127	19
JOHNSON CT	SOUTH ST	DEAD END	Crackseal & Patch	229	83	\$484	9
MARKET ST	BOW ST	DEER ST	Crackseal & Patch	731	83	\$3,345	486
COOLIDGE DR EX (Y INT)	WILSON RD	COOLIDGE DR	Crackseal & Patch	128	83	\$788	19
HAVEN RD	SOUTH ST	DEAD END	Crackseal & Patch	546	83	\$2,306	9
LONGMEADOW RD	LAFAYETTE RD	CUL-DE-SAC	Prev. Maintenance	537	83	\$12,538	5
BANFIELD RD	541' N OF OCEAN RD	OCEAN RD	Crackseal & Patch	542	84	\$2,384	332
CHAPEL CT	CHAPEL ST	PARKING LOT	Crackseal & Patch	130	84	\$366	18
MEADOW RD	FARM LN	ROCKINGHAM AV	Crackseal & Patch	1,231	85	\$5,416	18
HANOVER ST	100' W OF MARKET ST	MARKET ST	Crackseal & Patch	101	85	\$782	182
MOEBUS TR	PLEASANT POINT DR	DEAD END	Crackseal & Patch	397	85	\$1,537	9
HAMPSHIRE RD	SHEFFIELD RD	SHEFFIELD RD	Crackseal & Patch	1,288	85	\$7,706	18
MARCY ST	SOUTH ST	NEWCASTLE AV	Crackseal & Patch	976	85	\$4,122	146
THORNTON ST	RUTH ST	BARTLETT ST	Crackseal & Patch	1,824	85	\$8,345	18
WALLIS RD	SUZANNE DR	SUZANNE DR	Crackseal & Patch	820	85	\$4,040	18
WASHINGTON ST	STATE ST	HANCOCK ST	Crackseal & Patch	819	85	\$2,738	11
DAVIS RD	GRIFFIN RD	CUL DE SAC	Crackseal & Patch	574	85	\$3,515	9
PEVERLY HILL RD	WEST ROAD	327' N OF WEST ROAD	Crackseal & Patch	325	85	\$1,716	401
ROCKINGHAM AV	WOODBURY AV	MEADOW RD	Crackseal & Patch	318	85	\$1,399	58
SOUTH SCHOOL ST	SOUTH ST	MARCY ST	Crackseal & Patch	469	85	\$1,816	18
BRACKETT LN	BRACKETT RD	SOUTH ST	Crackseal & Patch	540	85	\$2,566	182
BOYAN PL	PLEASANT POINT DR	CUL DE SAC	Crackseal & Patch	276	85	\$1,808	9
GRIFFIN RD	GREENLAND RD #1	375' S OF GREENLAND RD	Crackseal & Patch	375	85	\$1,914	18
HUMPHREY'S CT	NEW CASTLE AV	MARCY ST	Crackseal & Patch	612	85	\$2,046	18
SUTTON AV	SHERBURNE RD	DEAD END	Crackseal or Patch	631	86	\$479	47
HOLLY LN	SHERBURNE RD	HOLLY LN	Crackseal or Patch	1,553	86	\$1,640	93
PORTSMOUTH BLVD	NORTH END OF TRAFFIC ISLAND	995' N OF OSPREY DR	Crackseal or Patch	1,020	86	\$673	373
CUTTS ST	RT 1 BY PASS	MAPLEWOOD AV	Crackseal or Patch	396	86	\$444	933

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SUZANNE DR	OCEAN RD	SUZANNE DR (LOOP)	Crackseal or Patch	3,884	86	\$3,716	93
CRESCENT WY	470' W OF KEARSAGE WY	ALBACORE WY	Crackseal or Patch	956	86	\$788	47
ESSEX AV	ISLINGTON ST	MELBOURNE ST	Crackseal or Patch	244	86	\$209	933
FELLS RD	THAXTER RD	THAXTER RD	Crackseal or Patch	702	86	\$811	93
DEER ST	BRIDGE ST	MAPLEWOOD AV	Crackseal or Patch	350	87	\$404	1,476
MAPLEWOOD AV	291' W OF CENTRAL AV	CUTTS ST	Crackseal or Patch	704	87	\$743	1,808
PARROT AV	ROGERS ST	JUNKINS AV	Crackseal or Patch	737	87	\$900	369
KEARSARGE WY	RANGER WY	400' S OF RANGER WAY	Crackseal or Patch	342	87	\$339	923
MARIETTE DR	OCEAN RD (W)	OCEAN RD (E)	Crackseal or Patch	2,725	87	\$2,607	92
ODIORNE POINT RD	GOSPORT RD	GOSPORT RD (E)	Crackseal or Patch	1,586	87	\$1,727	46
BORTHWICK AV	400' S OF RT 1 BY-PASS	RT 1 BY-PASS	Crackseal or Patch	430	87	\$993	1,209
JONES AV	SAGAMORE AV	INCINERATOR RD	Crackseal or Patch	2,741	87	\$2,080	92
ELWYN RD	EDGEWOOD RD	LAFAYETTE RD	Crackseal or Patch	447	87	\$855	923
MIDDLE RD	PEVERLY HILL RD	474' E OF LOIS ST	Crackseal or Patch	2,627	87	\$2,600	1,144
POST RD	HERITAGE AV #2	CUL-DE-SAC	Crackseal or Patch	600	87	\$826	46
BARTLETT ST	ISLINGTON ST	500' W OF ISLINGTON ST	Crackseal or Patch	500	87	\$610	3,137
GEORGES TR	COLONIAL DR	COLONIAL DR	Crackseal or Patch	400	87	\$290	92
PEVERLY HILL RD (SB)	530' N OF LAFAYETTE RD	LAFAYETTE RD	Crackseal or Patch	573	87	\$662	923
BORTHWICK AV	GREENLAND RD	2750' N OF GREENLAND RD	Crackseal or Patch	2,745	87	\$3,713	1,209
WOODBURY AV	25' N. OF ECHO AV	35' N. OF ROCKINGHAM AV	Crackseal or Patch	3,469	87	\$2,976	1,621
BRACKETT RD	HAVEN ST	DEAD END	Crackseal or Patch	829	87	\$656	46
SHERBURNE RD	800'N OF GREENLAND RD	948'N OF GREENLAND RD	Crackseal or Patch	148	87	\$171	92
HALL CT	COLONIAL DR	COLONIAL DR	Crackseal or Patch	291	87	\$192	92
CUTTS AV	CHASE DR	DEAD END (N)	Crackseal or Patch	792	87	\$627	369
MAPLEWOOD AV	PROSPECT ST	DENNETT ST	Crackseal or Patch	342	87	\$361	1,808
HIGHLINER AV	BORTHWICK AV	CUL-DE-SAC	Crackseal or Patch	644	87	\$1,365	46
COURT PL	STATE ST	COURT ST	Crackseal or Patch	193	87	\$229	92
ELWYN RD	RYE TOWN LINE	EDGEWOOD RD	Crackseal or Patch	6,161	87	\$6,098	923
CRESCENT WY	KEARSAGE WY	470' W OF KEARSAGE WY	Crackseal or Patch	470	87	\$387	46
SIMONDS RD	SUZANNE DR	SUZANNE DR	Crackseal or Patch	855	88	\$846	91
FARM LN	WOODBURY AV	25' W OF MEADOW RD	Crackseal or Patch	331	88	\$284	161
CORPORATE DR #1	228' E OF GRAFTON DR	1117' E OF GRAFTON	Crackseal or Patch	889	88	\$733	912
MOFFAT ST	SWEATT AV	PEVERLY HILL RD	Crackseal or Patch	446	88	\$486	91

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
LITTLE HARBOR RD	3245' E OF SAGAMORE AV	DEAD END	Crackseal or Patch	730	88	\$482	46
PEASE BV	NEW HAMPSHIRE AVE	860' E OF NEW HAMPSHIRE AVE	Crackseal or Patch	857	88	\$1,923	2,737
WOODBURY AV	35' N. OF ROCKINGHAM AV	RTE 1 BYPASS	Crackseal or Patch	940	88	\$1,241	2,372
WHOLEY WY	ECHO AV	CUL-DE-SAC	Crackseal or Patch	497	88	\$678	91
PROSPECT ST	WALKER ST	MAPLEWOOD AV	Crackseal or Patch	358	88	\$295	91
WINCHESTER ST	WINCHESTER ST #2	349' W OF DEAD END	Crackseal or Patch	524	88	\$519	91
SUZANNE DR #2	LAFAYETTE RD	SUZANNE DR	Crackseal or Patch	343	88	\$385	91
WOODBURY AV	MORNING ST	BARTLETT ST	Crackseal or Patch	293	88	\$232	1,113
MARSH LN	MAPLEWOOD AV	DEAD END	Crackseal or Patch	403	88	\$213	46
RALEIGH WY	RANGER WY	SARATOGA WAY	Crackseal or Patch	806	88	\$505	91
DENISE ST	MARIETTE DR	MARIETTE DR	Crackseal or Patch	893	88	\$825	91
LANG RD	LAYFAYETTE RD	RYE TOWN LINE	Crackseal or Patch	5,131	88	\$3,894	547
KEARSARGE WY	400' S OF RANGER WAY	50' S OF BIRCH ST	Crackseal or Patch	1,399	88	\$1,338	912
SOUTH ST	JUNKINS AV	100' E OF CLOUGH DR	Crackseal or Patch	479	88	\$411	1,314
HILLCREST DR	ECHO AVE	WOODLAWN CIR	Crackseal or Patch	946	88	\$905	46
MEADOW RD	MAPLE ST	FARM LN	Crackseal or Patch	876	88	\$723	91
JACKSON HL	NORTHWEST ST	DEARBORN PL	Crackseal or Patch	236	88	\$132	91
SHERBURNE RD	385' N OF GREENLAND RD	800'N OF GREENLAND RD	Crackseal or Patch	423	88	\$530	361
BARBERRY LN	ISLINGTON ST	FOCH AV	Crackseal or Patch	736	88	\$486	46
DORIS AV	SHERBURNE RD	GREENSIDE AV	Crackseal or Patch	376	89	\$310	90
ORANGE ST	KEARSARGE WY	OAK ST	Crackseal or Patch	225	89	\$134	90
PREBLE WY	KEARSARGE ST	DEAD END	Crackseal or Patch	734	89	\$581	45
SAGAMORE GROVE RD	SAGAMORE AV	DEAD END	Crackseal or Patch	557	89	\$276	18
PORTER ST	MIDDLE ST	340' E OF MIDDLE ST	Crackseal or Patch	371	89	\$196	90
BIRCH ST	KEARSARGE WY	DEAD END	Crackseal or Patch	132	89	\$87	45
WASHINGTON ST	HANCOCK ST	PLEASANT ST	Crackseal or Patch	357	89	\$224	90
GATES ST	HANCOCK ST	MECHANIC ST	Crackseal or Patch	1,045	89	\$586	90
VICTORY RD	COLONIAL DR	DEAD END	Crackseal or Patch	146	89	\$96	45
NORTH SCHOOL ST	PROSPECT ST	DENNETT ST	Crackseal or Patch	234	89	\$85	90
MANGROVE ST	KEARSARGE WY	DEAD END	Crackseal or Patch	398	89	\$250	45
ECHO AV	HILLCREST DR	WOODBURY AV	Crackseal or Patch	499	89	\$395	130
SHAW RD	SAGAMORE AV	WALKER BUNGALOW RD	Crackseal or Patch	633	89	\$334	90
MELCHER ST	PLEASANT ST	DEAD END	Crackseal or Patch	350	89	\$208	45

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GREENLAND RD #1	GRIFFIN RD	ISLINGTON ST	Crackseal or Patch	2,789	90	\$4,601	3,262
MIDDLE ST	STATE ST	ISLINGTON ST	Crackseal or Patch	402	90	\$464	1,964
GOSLING RD (WB)	UNDER RT 16	PEASE BLVD	Crackseal or Patch	671	90	\$1,062	1,786
BLOSSOM ST	SOUTH ST	DEAD END	Crackseal or Patch	221	90	\$117	45
ISLINGTON ST	PLAINS AV #1	MIDDLE RD	Crackseal or Patch	639	90	\$569	1,429
ISLINGTON ST	150' N OF BARTLETT ST	100' S OF JEWELL CT	Crackseal or Patch	367	90	\$436	2,381
MARKET ST WB	RT 95 N ON RAMP	KEARSARGE WY	Crackseal or Patch	695	90	\$757	2,857
MARKET ST EB	KEARSARGE WY	RT 95 N ON RAMP	Crackseal or Patch	715	90	\$778	3,214
GREENLAND RD	ISLINGTON ST	PEVERLY HILL RD	Crackseal or Patch	901	90	\$803	1,071
PLEASANT ST	COURT ST	STATE ST	Crackseal or Patch	205	90	\$236	1,179
BRIGHAM LN	CUTTS AV	CUL-DE-SAC	Crackseal or Patch	558	91	\$743	88
SHERBURNE AV #2	SHERBURNE AV	ELWYN AV	Crackseal or Patch	154	91	\$102	88
FERNALD CT	NEW CASTLE AV	DEAD END	Crackseal or Patch	291	91	\$230	44
WHIPPLE ST	DENNETT ST	THORNTON ST	Crackseal or Patch	306	91	\$303	88
MCNABB CT	LINCOLN AV	DEAD END	Crackseal or Patch	282	91	\$195	44
LINCOLN AV	SHERBURN AV	JUNKINS AV	Crackseal or Patch	799	91	\$738	353
PARTRIDGE ST	MARCY ST	DEAD END	Crackseal or Patch	252	91	\$116	44
TYLER PL	HARDING RD	DWIGHT AV	Crackseal or Patch	147	91	\$165	88
MCDONOUGH ST	CABOT ST	DEAD END	Crackseal or Patch	641	91	\$719	44
MANOR DR	BOYD RD	DEAD END/PARKING LOT	Crackseal or Patch	289	91	\$286	44
ELWYN AV	SOUTH ST	ROCKLAND ST	Crackseal or Patch	1,114	91	\$1,103	88
LOOKOUT LN	PINEHURST RD	DEAD END	Crackseal or Patch	267	91	\$194	44
SALTER ST	MARCY ST	DEAD END	Crackseal or Patch	331	91	\$186	44
TANNER ST	HANOVER ST	HILL ST	Crackseal or Patch	124	91	\$61	88
GARDEN ST	CENTRE ST	DEAD END	Crackseal or Patch	119	91	\$63	4
WITMER AV	SHERBURNE RD	GREENSIDE AV	Crackseal or Patch	337	92	\$245	87
DANIEL ST	BOW ST	MARKET ST	Crackseal or Patch	941	93	\$1,242	1,125
BOW ST	464' N OF DANIEL ST	100' W OF CHAPEL ST	Crackseal or Patch	246	93	\$162	260
INTERNATIONAL DR	RYE ST	100' S OF CORPORATE DR	Crackseal or Patch	2,375	93	\$2,116	692
BORTHWICK AV	2750' N OF GREENLAND RD	400' S OF RT 1 BY-PASS	Crackseal or Patch	3,503	93	\$3,583	1,134
PEVERLY HILL RD	LAFAYETTE RD	WEST ROAD	Crackseal or Patch	546	93	\$324	1,903
BREWERY LN	60' WEST OF JEWELL CT	200' EAST OF JEWELL CT	Do Nothing	260	93	\$0	0
ARBORETUM DRIVE	570' N OF PEASE BLVD	2255' N OF PEASE BLVD	Do Nothing	1,685	93	\$0	0

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BARBERRY LN	FOCH AV	DEAD END	Do Nothing	424	93	\$0	0
WALTON AV	GATES ST	GARDNER ST	Do Nothing	177	93	\$0	0
AVIATION AV	DURHAM ST	HAMPTON RD	Do Nothing	1,298	93	\$0	0
PAMELA ST	MARIETTE DR	MARIETTE DR	Do Nothing	467	94	\$0	0
WHITE CEDARS BV	345' E OF LAFAYETTE BLVD	CUL-DE-SAC LOOP	Do Nothing	605	94	\$0	0
CUSTOM HOUSE CT	PENHALLOW ST	DEAD END	Do Nothing	175	94	\$0	0
SOUTH ST	100' E OF CLOUGH DR	RICHARDS ST	Do Nothing	583	94	\$0	0
PEVERLY HILL RD	MCCLINTOCK ST	MIDDLE ROAD	Do Nothing	755	94	\$0	0
PEVERLY HILL RD	250' N OF YMCA ENTRANCE	MCCLINTOCK ST	Do Nothing	2,127	94	\$0	0
PEVERLY HILL RD	150' N OF BANFIELD RD	250' N OF YMCA ENTRANCE	Do Nothing	518	94	\$0	0
JEWELL CT	ISLINGTON ST	BREWERY LN	Do Nothing	504	94	\$0	0
GRAFTON DR	CORPORATE DR	376' S OF CORPORATE DR	Do Nothing	376	94	\$0	0
MCDONOUGH ST	CORNWALL ST	CABOT ST	Do Nothing	379	94	\$0	0
HOOVER DR	TAFT RD	LAFAYETTE RD	Do Nothing	1,023	94	\$0	0
GREENLAND RD #2	GREENLAND RD	BORTHWICK AV	Do Nothing	443	94	\$0	0
ATKINSON ST	STATE ST	COURT ST	Do Nothing	191	94	\$0	0
SOUTH ST	MILLER AV	UNION ST	Do Nothing	1,095	94	\$0	0
PENHALLOW ST	STATE ST	DANIEL ST	Do Nothing	354	94	\$0	0
MILLER AV	SOUTH ST	LINCOLN AV	Do Nothing	984	94	\$0	0
CLOVER LA	FARM LA	MEADOW RD	Do Nothing	748	95	\$0	0
MARCY ST	100' E OF COURT ST	HANCOCK ST	Do Nothing	643	95	\$0	0
BROAD ST	LINCOLN AVE	SOUTH ST	Do Nothing	963	95	\$0	0
WALKER ST	DENNETT ST	PROSPECT ST	Do Nothing	145	95	\$0	0
MARCY ST	STATE ST	100' S OF STATE ST	Do Nothing	100	95	\$0	0
MCGEE DR	MAPLEWOOD AV	DEAD END	Do Nothing	954	95	\$0	0
MAPLE ST	WOODBURY AV	MEADOW RD	Do Nothing	256	95	\$0	0
ALBACORE WAY	SARATOGA WAY	CRESCENT WAY	Do Nothing	626	95	\$0	0
MIDDLE RD	474' E OF LOIS ST	607' E OF LOIS ST	Do Nothing	133	95	\$0	0
MARCY ST	100' S OF STATE ST	100' E OF COURT ST	Do Nothing	230	95	\$0	0
WALDEN ST	MARCY ST	DEAD END	Do Nothing	155	95	\$0	0
ARBORETUM DRIVE	2255' N OF PEASE BLVD	2722' N OF PEASE BLVD	Do Nothing	467	95	\$0	0
DANIEL ST	STATE ST	BOW ST	Do Nothing	307	95	\$0	0
CONCORD WY	PREBLE WY	CRESCENT WY	Do Nothing	1,393	95	\$0	0

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FOCH AV	BARBERRY LA	DEAD END	Do Nothing	476	95	\$0	0
LINCOLN AV	MIDDLE ST	WIBIRD ST	Do Nothing	851	95	\$0	0
PARKER ST	ISLINGTON ST	TANNER CT	Do Nothing	228	95	\$0	0
WOODBURY AV	MARKET ST	25' N. OF ECHO AV	Do Nothing	658	95	\$0	0
SCOTT AV	DANIEL ST	DUTTON AV	Do Nothing	171	95	\$0	0
ARBORETUM DRIVE	5553' N OF PEASE BLVD	5511' E OF SHORT ST	Do Nothing	836	95	\$0	0
ARBORETUM DRIVE	PEASE BLVD	570' N OF PEASE BLVD	Do Nothing	570	95	\$0	0
CHEVROLET AV	CASS ST	ALBANY ST	Do Nothing	239	95	\$0	0
ALBANY ST	ISLINGTON ST	BREWERY LN	Do Nothing	506	95	\$0	0
SOUTH ST	WIBIRD ST	LAFAYETTE RD	Do Nothing	1,758	95	\$0	0
RANGER WY	FALKLAND WY	PREBLE WY	Do Nothing	747	95	\$0	0
HOWARD ST	WASHINGTON ST	MANNING ST	Do Nothing	318	96	\$0	0
OAK ST	MANGROVE ST	DEAD END	Do Nothing	331	96	\$0	0
HANCOCK ST	PLEASANT ST	MARCY ST	Do Nothing	827	96	\$0	0
FAIRVIEW DR	MAPLEWOOD AV	DEAD END	Do Nothing	831	97	\$0	0
PINEHURST RD	SOUTH ST	DEAD END	Do Nothing	1,004	97	\$0	0
ROCKLAND ST	SHERBURNE AV #1	ELWYN AV	Do Nothing	182	97	\$0	0
CLOUGH DR	478' S OF BRACKET RD	BRACKET RD	Do Nothing	470	97	\$0	0
HOLMES CT	MARCY ST	DEAD END	Do Nothing	196	97	\$0	0
RIDGES CT	NEW CASTLE AV	DEAD END	Do Nothing	545	97	\$0	0
DRIFTWOOD LN	NEW CASTLE AV	DEAD END	Do Nothing	280	97	\$0	0
CLINTON ST	STARK ST	SPARHAWK ST	Do Nothing	469	97	\$0	0
WINCHESTER ST #2	880' S OF OCEAN RD	NATHANIEL DR	Do Nothing	183	97	\$0	0
CLINTON ST	BARTLETT ST	STARK ST	Do Nothing	829	97	\$0	0
KENT ST	LINCOLN AV	ROCKLAND ST	Do Nothing	450	97	\$0	0
PINE ST	BARTLETT ST	STARK ST	Do Nothing	747	97	\$0	0
GRANITE ST	WOODBURY AV	DEAD END	Do Nothing	393	97	\$0	0
HERITAGE AV #2 (EB)	543' W OF POST RD	296' W OF POST RD	Do Nothing	255	98	\$0	0
CASS ST	ALBANY ST	ISLINGTON ST	Do Nothing	514	98	\$0	0
CARDINAL LN	WINCHESTER ST	DEAD END	Do Nothing	304	98	\$0	0
HERITAGE AV (WB)	296' W OF POST RD	543' W OF POST RD	Do Nothing	248	98	\$0	0
WINCHESTER ST #3	WINCHESTER #2	MARIETTE DR	Do Nothing	283	98	\$0	0
HERITAGE AV	LAFAYETTE RD	1075' W OF LAFAYETTE RD	Do Nothing	1,080	98	\$0	0



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RANDS CT	SOUTH ST	DEAD END	Do Nothing	247	98	\$0	0
CABOT ST	ISLINGTON ST	DEAD END	Do Nothing	445	98	\$0	0
WOODBURY AV (#2)	210'S OF MARKET ST	MARKET ST	Do Nothing	200	98	\$0	0
CHURCH ST	CONGRESS ST	70' S OF CONGRESS ST	Do Nothing	68	98	\$0	0
WINCHESTER ST #2	OCEAN RD	880' S OF OCEAN RD	Do Nothing	866	98	\$0	0
HERITAGE AV (WB)	1075' W OF LAFAYETTE RD	100' E OF POST RD	Do Nothing	507	98	\$0	0
STATE ST	WRIGHT AV	MARCY ST	Do Nothing	225	98	\$0	0
CASS ST	MIDDLE ST	ALBANY ST	Do Nothing	1,038	98	\$0	0
MIDDLE RD	607' E OF LOIS ST	MIDDLE ST	Do Nothing	2,109	98	\$0	0
HERITAGE AV #3 (EB)	100' E OF POST RD	600' E OF POST RD	Do Nothing	543	98	\$0	0
HERITAGE AV	543' W OF POST RD	BANFIELD RD	Do Nothing	2,066	98	\$0	0
LAFAYETTE RD	LEDGEWOOD DR	ANDREW JARVIS DR	Do Nothing	737	98	\$0	0
HERITAGE AV	100' E OF POST RD	296' W OF POST RD	Do Nothing	398	98	\$0	0
LINCOLN AV	WIBIRD ST	MILLER AV	Do Nothing	1,326	98	\$0	0
SPRING ST	WILLOW ST	MILLER AV	Do Nothing	796	99	\$0	0
RALEIGH WY	SARATOGA WAY	CRESCENT WY	Do Nothing	516	99	\$0	0
GOSLING A	PEASE BLVD	UNDER HIGHWAY 16	Do Nothing	675	99	\$0	0
MEETING HOUSE HL	MARCY ST	MARCY ST	Do Nothing	369	99	\$0	0
SOUTH ST	UNION ST	WIBIRD ST	Do Nothing	373	99	\$0	0
DUTTON AV	MARCY ST	SCOTT AV	Do Nothing	461	99	\$0	0
MARCY ST	HANCOCK ST	PLEASANT ST	Do Nothing	845	99	\$0	0
BREWERY LN	200' EAST OF JEWELL CT	CASS ST	Do Nothing	251	99	\$0	0
RANGER WY	KEARSARGE WY	FALKLAND WY	Do Nothing	298	99	\$0	0
GRAFTON D	END OF ORIGINAL RD	RT 33	Do Nothing	3,295	99	\$0	0
GRAFTON DR	376' S OF CORPORATE DR	SHERBURNE RD	Do Nothing	2,266	99	\$0	0
ARBORETUM DRIVE	2722' N OF PEASE BLVD	5553' N OF PEASE BLVD	Do Nothing	2,831	99	\$0	0
WBBX RD	ISLINGTON ST	RR TRACKS	Do Nothing	151	99	\$0	0
LINCOLN AV	RICHARDS AV	SHERBURN AV	Do Nothing	353	100	\$0	0
TANNER CT	TANNER ST	PARKER ST	Do Nothing	220	100	\$0	0
BUCKMINSTER WAY	OCEAN RD (S)	938' N OF OCEAN DR (S)	Do Nothing	944	100	\$0	0
VAUGHAN ST	GREEN ST	MAPLEWOOD AV	Do Nothing	365	100	\$0	0
WOODLAWN CR	575' FROM ECHO AV	ECHO AV	Do Nothing	563	100	\$0	0
MECHANIC ST	190' N OF GATES ST	PICKERING AV	Do Nothing	719	100	\$0	0

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JOFFRE TR	ALDRICH RD	DEAD END	Do Nothing	180	100	\$0	0
GREENLEAF AV	110' S OF RT 1 BY PASS	140' N OF RT 1 BY PASS	Do Nothing	250	100	\$0	0
BOW ST	100' W OF CHAPEL ST	MARKET ST #1	Do Nothing	406	100	\$0	0
PORTSMOUTH BLVD	MARKET ST	NORTH END OF TRAFFIC ISLAND	Do Nothing	823	100	\$0	0
ROCKLAND ST	BROAD ST	MILLER AVE	Do Nothing	395	100	\$0	0
PICKERING ST	MARCY ST	PICKERING AV	Do Nothing	368	100	\$0	0
MADISON ST	MIDDLE ST	STATE ST	Do Nothing	1,004	100	\$0	0
SHEAFE ST	CHAPEL ST	PENHALLOW ST	Do Nothing	391	100	\$0	0
OAK AVE	CORPORATE DR	INTERNATIONAL DR	Do Nothing	1,647	100	\$0	0
ALDRICH RD	JOFFRE TE	MIDDLE ST	Do Nothing	922	100	\$0	0
RICHARDS AV	MIDDLE ST	ROCKLAND ST	Do Nothing	1,174	100	\$0	0
ISLINGTON ST	300' W OF SPINNEY RD	RUTLAND ST	Do Nothing	670	100	\$0	0
ROCKLAND ST	ELWYN AVE	DEAD END	Do Nothing	331	100	\$0	0
AUSTIN ST	MIDDLE ST	SUMMER ST	Do Nothing	481	100	\$0	0
CORPORATE DR #1	GRAFTON DR	228' E OF GRAFTON DR	Do Nothing	228	100	\$0	0
ALDRICH CT	ALDRICH RD	DEAD END	Do Nothing	194	100	\$0	0
CHAPEL ST	DANIEL ST	STATE ST	Do Nothing	287	100	\$0	0
HUNKING ST	MARCY ST	MECHANIC ST	Do Nothing	388	100	\$0	0
COLUMBIA ST	STATE ST	ISLINGTON ST	Do Nothing	498	100	\$0	0
BOSS AV	ALDRICH RD	110' S OF SUNSET RD	Do Nothing	425	100	\$0	0
MARSTON AV	WLLARD AV	SOUTH ST	Do Nothing	514	100	\$0	0
SANDERSON DR	SPINNEY RD	DEAD END	Do Nothing	504	100	\$0	0
ARBORETUM DRIVE	WILDLIFE REFUGE ROAD CLOSURE	DEAD END	Do Nothing	2,655	100	\$0	0
INTERNATIONAL DR	100' NORTH OF OAK ST	RYE ST	Do Nothing	1,072	100	\$0	0
BERSUM LN	BROAD ST	MILLER AV	Do Nothing	339	100	\$0	0
LEDGEWOOD DR	LAFAYETTE RD	140' W OF CUL-DE-SAC	Do Nothing	400	100	\$0	0
RICHARDS AV	ROCKLAND ST	LINCOLN AV	Do Nothing	459	100	\$0	0
DURGIN LN EB	END OF ISLAND	WOODBURY AV	Do Nothing	248	100	\$0	0
PENHALLOW ST	DANIEL ST	BOW ST	Do Nothing	423	100	\$0	0
MILLER AV	LINCOLN AV	MIDDLE ST	Do Nothing	1,359	100	\$0	0
BRIDGE ST	HANOVER ST	ISLINGTON ST	Do Nothing	379	100	\$0	0
COLUMBIA CT	COLUMBIA ST	DEAD END	Do Nothing	207	100	\$0	0
PICKERING AV	PICKERING ST	SOUTH MILL ST	Do Nothing	226	100	\$0	0

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WEST RD	940' S OF PEVERLY HILL R	CAMPUS DR	Do Nothing	2,486	100	\$0	0
ARBORETUM DRIVE	5511' E OF SHORT ST	3653' E OF SHORT ST	Do Nothing	1,858	100	\$0	0
SAGAMORE AV	SHAW RD	NORTH SIDE OF BRIDGE	Do Nothing	208	100	\$0	0
PARK ST	ORCHARD ST	LINCOLN ST	Do Nothing	680	100	\$0	0
ROCKINGHAM ST	ISLINGTON ST	MCDONOUGH ST	Do Nothing	355	100	\$0	0
COTTAGE ST	WOODBURY AV	RT 1 BYPASS RAMP	Do Nothing	1,170	100	\$0	0
TANNER ST	ISLINGTON ST	HANOVER ST	Do Nothing	366	100	\$0	0
HEATHER LN	BUCKMINSTER WY	DEAD END	Do Nothing	134	100	\$0	0
PATRICIA DR	OCEAN RD	DEAD END	Do Nothing	410	100	\$0	0
HAWTHORNE ST	WIBIRD ST	UNION ST	Do Nothing	368	100	\$0	0
EXETER ST	NEW HAMPSHIRE AV	AIRLINE AV	Do Nothing	1,788	100	\$0	0
THORNTON ST	BARTLETT ST	WOODBURY AV	Do Nothing	346	100	\$0	0
LINCOLN AV	MILLER AV	RICHARDS AV	Do Nothing	269	100	\$0	0
PIERCE ISLAND RD	MECHANIC ST	150' E OF MECHANIC ST	Do Nothing	150	100	\$0	0
ROCKLAND ST	RICHARDS AV	SHERBURNE AV #1	Do Nothing	399	100	\$0	0
DURGIN LN #2	DURGIN LN (EB & WB)	DEAD END	Do Nothing	903	100	\$0	0
GREENLEAF AV	340' S OF RT 1 BY PASS	110' S OF RT 1 BY PASS	Do Nothing	230	100	\$0	0
CHESTNUT ST #2	STATE ST	DEAD END	Do Nothing	135	100	\$0	0
CAMPUS DRIVE	WEST RD	CUL DE SAC LOOP	Do Nothing	811	100	\$0	0
PORTSMOUTH BLVD (SOUTH BOUND)	NORTH SIDE OF MEDIAN	SHEARWATER DR	Do Nothing	509	100	\$0	0
MEREDITH WY	BARTLETT ST	DEAD END	Do Nothing	317	100	\$0	0
CERES ST	BOW ST	DEAD END (PRIVATE LOT)	Do Nothing	344	100	\$0	0
SUMMER ST	ISLINGTON ST	MIDDLE ST	Do Nothing	1,147	100	\$0	0
UNION ST	MIDDLE ST	SOUTH RD	Do Nothing	2,015	100	\$0	0
AUSTIN ST	CABOT ST	UNION ST	Do Nothing	339	100	\$0	0
PARK ST	LINCOLN ST	MIDDLE ST	Do Nothing	607	100	\$0	0
AUSTIN ST	UNION ST	MADISON ST	Do Nothing	251	100	\$0	0
BUCKMINSTER WAY	938' N OF OCEAN DR (S)	OCEAN DR (N)	Do Nothing	2,170	100	\$0	0
MERRIMAC ST	HIGHLAND ST	MILLER AV	Do Nothing	615	100	\$0	0
ARTHUR F BRADY DR	APPLEBEE'S DRIVEWAY	800' S OF WOODBURY AVE	Do Nothing	579	100	\$0	0
SOUTH ST	RICHARDS ST	MILLER AV	Do Nothing	348	100	\$0	0
COAKLEY RD	RT 1 BY PASS	606' W OF RTE BYPASS	Do Nothing	606	100	\$0	0
SAGAMORE AV	SOUTH ST	150' S OF LITTLE HARBOR RD	Do Nothing	2,400	100	\$0	0

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
THORNTON ST EX	THORNTON ST	DENNETT ST	Do Nothing	283	100	\$0	0
ALBANY ST	BREWERY	CASS ST	Do Nothing	231	100	\$0	0
RICHARDS AV	LINCOLN AV	SOUTH ST	Do Nothing	929	100	\$0	0
WHITE CEDARS BV	LAFAYETTE RD	345' E OF LAFAYETTE BLVD	Do Nothing	345	100	\$0	0
MARTHA TR	PATRICIA DR	OCEAN RD	Do Nothing	1,095	100	\$0	0
WILLOW LN	LINCOLN AV	SPRING ST	Do Nothing	246	100	\$0	0
WILLARD AV	100' W OF MARSTON	WIBIRD ST	Do Nothing	386	100	\$0	0
BROAD ST	82' S OF HIGHLAND ST	LINCOLN ST	Do Nothing	201	100	\$0	0
F W HARTFORD DR	T J GAMESTER AV (W)	840' S OF T J GAMESTER AV	Do Nothing	3,872	100	\$0	0
MILL POND WY	DENNETT ST	DEAD END	Do Nothing	696	100	\$0	0
ROBIN LN	PLEASANT POINT DR	DEAD END	Do Nothing	170	100	\$0	0
FRIEND ST	CASS ST	DEAD END	Do Nothing	198	100	\$0	0
SALEM ST	ISLINGTON ST	MCDONOUGH ST	Do Nothing	344	100	\$0	0
LOVELL ST	MADISON ST	CASS ST	Do Nothing	396	100	\$0	0
PORPOISE WY	SARATOGA WY	CRESCENT WY	Do Nothing	595	100	\$0	0
AUTUMN ST	HILL ST	HANOVER ST	Do Nothing	117	100	\$0	0
GREENLEAF AV	140' N OF RT 1 BY PASS	LAFAYETTE RD	Do Nothing	741	100	\$0	0
CENTRE ST	BOYD RD	GARDEN ST	Do Nothing	292	100	\$0	0
SAGAMORE AV	NORTH SIDE OF BRIDGE	SOUTH SIDE OF BRIDGE	Do Nothing	398	100	\$0	0
WEST RD	CAMPUS DR	LAFAYETTE RD	Do Nothing	1,234	100	\$0	0
ALDRICH RD	ISLINGTON ST	JOFFRE TE	Do Nothing	993	100	\$0	0
PARROT AV	RICHARDS AV	ROGERS ST	Do Nothing	984	100	\$0	0
ISLINGTON ST	SPINNEY RD	300' W OF SPINNEY RD	Do Nothing	297	100	\$0	0
COMMERCE WAY	WOODBURY AV	PORTSMOUTH BLVD	Do Nothing	2,798	100	\$0	0
WEST RD	PEVERLY HILL RD	940' S OF PEVERLY HILL R	Do Nothing	940	100	\$0	0
ISLINGTON ST	100' S OF JEWELL CT	SPINNEY RD	Do Nothing	1,313	100	\$0	0
DOVER ST	ISLINGTON ST	MCDONOUGH ST	Do Nothing	307	100	\$0	0
SOUTH MILL ST	PICKERING AV	MARCY ST	Do Nothing	272	100	\$0	0
HIGHLAND ST	MILLER AV	RTE 1 (MIDDLE ST)	Do Nothing	1,479	100	\$0	0
LAUREL CT	KEARSARGE WAY	DEAD END	Do Nothing	935	100	\$0	0
INTERNATIONAL DR	NEW HAMPSHIRE AV	355' N OF NEW HAMPSHIRE A	Do Nothing	352	100	\$0	0
MAPLEWOOD AV	CUTTS ST	PROSPECT ST	Do Nothing	784	100	\$0	0
DURGIN LN WB	WOODBURY AV	END OF ISLAND	Do Nothing	248	100	\$0	0

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
GREENLEAF AV	PEVERLY HILL RD	340' S OF RT 1 BY PASS	Do Nothing	2,452	100	\$0	0
GARDNER ST	MECHANIC ST	MARCY ST	Do Nothing	374	100	\$0	0
MANNING ST	PLEASANT ST	GATES ST	Do Nothing	428	100	\$0	0
PORTSMOUTH BLVD (SOUTH BOUND)	SHEARWATER DR	MARKET ST	Do Nothing	312	100	\$0	0
MONTIETH ST	THORNTON ST	DEAD END	Do Nothing	407	100	\$0	0
MECHANIC ST	MARCY ST	190' N OF GATES ST	Do Nothing	310	100	\$0	0
WIBIRD ST	MIDDLE ST	SOUTH RD	Do Nothing	2,020	100	\$0	0
HILLSIDE DR	GREENLEAF AV	GREENLEAF AV	Do Nothing	1,534	100	\$0	0
CHAUNCY ST	WIBIRD ST	UNION ST	Do Nothing	335	100	\$0	0
CORNWALL ST	ISLINGTON AV	MCDONOUGH ST	Do Nothing	358	100	\$0	0
MANCHESTER SQ	500' W OF INTERNATIONAL D	NEW HAMPSHIRE DR	Do Nothing	512	100	\$0	0
PORTSMOUTH BLVD	COMMERCE WAY	100' N OF OSPREY DR	Do Nothing	182	100	\$0	0
STATE ST	MARCY ST	DANIEL ST	Do Nothing	215	100	\$0	0
SAGAMORE AV	150' S OF LITTLE HARBOR RD	SHAW RD	Do Nothing	2,082	100	\$0	0
BROAD ST	MERRIMAC ST	82' S OF HIGHLAND ST	Do Nothing	664	100	\$0	0
ROCKLAND ST	MILLER AVE	RICHARD AV	Do Nothing	289	100	\$0	0



# Appendix C

## Backlog List by Repair Alternative ■

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\*All Backlogs are based from PCI's projected to September 2016

# **Pavement Backlog Report - by Treatment**

<b><u>Street Name</u></b>	<b><u>From Segment</u></b>	<b><u>To Segment</u></b>	<b><u>Alternative</u></b>	<b><u>Length</u></b>	<b><u>PCI</u></b>	<b><u>Repair Cost</u></b>	<b><u>Benefit</u></b>
<b><u>Crackseal &amp; Patch</u></b>							
ANNE AV	ROBERTS AV	JOAN AV	Crackseal & Patch	425	82	\$2,244	19
ARTHUR RD	CLEVELAND DR	TAYLOR RD	Crackseal & Patch	634	80	\$3,347	19
ASH ST	WILLARD AV	DEAD END	Crackseal & Patch	357	81	\$1,382	10
AVIATION AV	GRAFTON DR	DURHAM ST	Crackseal & Patch	1,177	82	\$6,421	19
BALL ST	NEW CASTLE AV	DEAD END	Crackseal & Patch	207	81	\$437	10
BANFIELD RD	541' N OF OCEAN RD	OCEAN RD	Crackseal & Patch	542	84	\$2,384	332
BANFIELD RD	750' S OF PEVERLY HILL R	CONSTITUTION AV	Crackseal & Patch	5,045	77	\$21,307	362
BAYCLIFF RD	NEW CASTLE AV	DEAD END	Crackseal & Patch	347	81	\$1,832	10
BOYAN PL	PLEASANT POINT DR	CUL DE SAC	Crackseal & Patch	276	85	\$1,808	9
BRACKETT LN	BRACKETT RD	SOUTH ST	Crackseal & Patch	540	85	\$2,566	182
BREWSTER ST	ISLINGTON AV	DEAD END	Crackseal & Patch	587	77	\$2,066	10
BRIDGE ST	DEER ST	HANOVER ST	Crackseal & Patch	372	77	\$2,291	60
CATE ST	COTTAGE ST	547' S OF BARTLETT ST	Crackseal & Patch	929	79	\$3,270	36
CHAPEL CT	CHAPEL ST	PARKING LOT	Crackseal & Patch	130	84	\$366	18
CHATHAM ST	WINTER ST	SUMMER ST	Crackseal & Patch	371	82	\$1,240	4
CLEVELAND DR	TAFT RD	VAN BUREN AV	Crackseal & Patch	1,194	77	\$6,093	20
CONGRESS ST	PLEASANT ST	MIDDLE ST	Crackseal & Patch	998	73	\$7,025	314
CONSTITUTION AV	LAFAYETTE RD	350' W OF LAFAYETTE RD	Crackseal & Patch	350	81	\$2,464	77
CONSTITUTION AV	1810' W OF LAFAYETTE RD	BANFIELD RD	Crackseal & Patch	2,260	80	\$13,124	128
CONSTITUTION AV	350' W OF LAFAYETTE RD	1810' W OF LAFAYETTE RD	Crackseal & Patch	1,460	79	\$8,221	133
COOLIDGE DR	MCKINLEY RD	WILSON RD	Crackseal & Patch	960	78	\$4,392	20
COOLIDGE DR EX (Y INT)	WILSON RD	COOLIDGE DR	Crackseal & Patch	128	83	\$788	19
CORPORATE DR #2	GOOSE BAY DR (W)	INTERNATIONAL DR	Crackseal & Patch	716	72	\$6,930	172
COURT ST	MARCY ST	PLEASANT ST	Crackseal & Patch	1,250	80	\$5,059	194
DAVIS RD	GRIFFIN RD	CUL DE SAC	Crackseal & Patch	574	85	\$3,515	9
DUNLIN WAY	BLUE HERON DR	PORTSMOUTH BLVD	Crackseal & Patch	875	72	\$3,080	22
EDGEWOOD RD	ELWYN RD	250' S OF ELWYN RD	Crackseal & Patch	246	76	\$1,450	20
FALKLAND PL	RANGER WY	KEARSAGE WY	Crackseal & Patch	225	82	\$1,109	19
FALKLAND WY	KEARSARGE WY	DEAD END	Crackseal & Patch	112	82	\$374	9



<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
FIELDS RD	SEWALL RD	SEWALL RD	Crackseal & Patch	632	82	\$3,336	19
FLETCHER ST	SIMS AV	DEAD END	Crackseal & Patch	178	76	\$626	10
GOOSE BAY DR	CORPORATE DR (W)	1069' E OF CORPORATE DR W	Crackseal & Patch	1,071	76	\$5,654	20
GOSLING RD	R X R TRACKS	300' E OF WOODBURY AV	Crackseal & Patch	2,533	72	\$11,144	22
GOSLING RD	150' W OF WOODBURY AV	WEDGEWOOD RD	Crackseal & Patch	936	76	\$12,683	693
GOSLING RD (EB)	SPAULDING TP	WEDGEWOOD DR	Crackseal & Patch	1,023	74	\$7,201	712
GOSLING RD (WB)	WEDGEWOOD RD	SPAULDING TP	Crackseal & Patch	1,022	80	\$5,395	659
GOSPORT RD	ELWIN RD	ODIORNE POINT RD (E)	Crackseal & Patch	2,913	72	\$16,916	22
GRANT AV	HOOVER DR	MCKINLEY RD	Crackseal & Patch	1,423	77	\$6,511	20
GREENLAND RD #3	RT 101	DEAD END	Crackseal & Patch	456	82	\$2,247	9
GREENSIDE AV	WITMER AV	408' S OF SHERBURNE RD	Crackseal & Patch	1,086	77	\$4,778	20
GREENSIDE AV	408' S OF SHERBURNE RD	SHERBURNE RD	Crackseal & Patch	412	79	\$1,740	20
GRIFFIN RD	375' S OF GREENLAND RD	CUL-DE-SAC	Crackseal & Patch	1,043	81	\$5,045	19
GRIFFIN RD	GREENLAND RD #1	375' S OF GREENLAND RD	Crackseal & Patch	375	85	\$1,914	18
HAMPSHIRE RD	SHEFFIELD RD	SHEFFIELD RD	Crackseal & Patch	1,288	85	\$7,706	18
HAMPSHIRE RD #2	HAMPSHIRE RD	DEAD END	Crackseal & Patch	137	78	\$579	10
HANOVER ST	100' W OF MARKET ST	MARKET ST	Crackseal & Patch	101	85	\$782	182
HANOVER ST	ROCK ST	PEARL ST	Crackseal & Patch	144	78	\$659	20
HARDING RD	T J GAMESTER	700' N OF T J GAMESTER	Crackseal & Patch	707	83	\$4,104	19
HAVEN RD	SOUTH ST	DEAD END	Crackseal & Patch	546	83	\$2,306	9
HILL ST	BRIDGE ST	DEAD END	Crackseal & Patch	415	81	\$1,461	10
HUMPHREY'S CT	NEW CASTLE AV	MARCY ST	Crackseal & Patch	612	85	\$2,046	18
INTERNATIONAL DR	100' S OF CORPORATE DR	CORPORATE DR	Crackseal & Patch	351	72	\$4,142	172
INTERNATIONAL DR	355' N OF NEW HAMPSHIRE A	100' NORTH OF OAK ST	Crackseal & Patch	1,336	80	\$6,114	388
JOHNSON CT	SOUTH ST	DEAD END	Crackseal & Patch	229	83	\$484	9
JUNKINS AV	544' N OF LINCOLN AV	PARROT AV	Crackseal & Patch	798	73	\$3,792	165
KEARSARGE WY	50' S OF BIRCH ST	MARKET ST EB	Crackseal & Patch	399	80	\$3,018	194
KEARSARGE WY	PREBLE WY	RANGER WY	Crackseal & Patch	1,071	81	\$4,900	191
LADD ST	HIGH ST	MARKET ST	Crackseal & Patch	262	78	\$738	20
LAFAYETTE RD	325' S OF SOUTH ST	WILLARD AV	Crackseal & Patch	845	74	\$6,691	544
LAFAYETTE RD	WILLARD AV	MIDDLE ST	Crackseal & Patch	588	74	\$4,656	544
LEAVITT AV	MIDDLE RD	MCCLINTOCK AV	Crackseal & Patch	671	76	\$2,362	20
LENS AV	JONES AV	DEAD END	Crackseal & Patch	477	78	\$1,511	10

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
MANCHESTER SQ	INTERNATIONAL DR	500' W OF INTERNATIONAL D	Crackseal & Patch	515	77	\$2,809	81
MARCY ST	SOUTH ST	NEWCASTLE AV	Crackseal & Patch	976	85	\$4,122	146
MARKET ST	DEER ST	RUSSELL ST	Crackseal & Patch	501	80	\$4,408	504
MARKET ST	BOW ST	DEER ST	Crackseal & Patch	731	83	\$3,345	486
MARKET ST EB	WOODBURY AV	KEARSARGE WY	Crackseal & Patch	3,381	80	\$17,254	620
MARKET ST WB	NOBLES ISLAND	RT 95 N ON RAMP	Crackseal & Patch	2,967	75	\$17,229	661
MARNE AV	JONES AV	DEAD END	Crackseal & Patch	605	79	\$2,129	10
MCCLINTOCK AV	SWEATT AV	LEAVITT AV	Crackseal & Patch	615	79	\$2,597	20
MEADOW RD	FARM LN	ROCKINGHAM AV	Crackseal & Patch	1,231	85	\$5,416	18
MENDUM AV	MIDDLE ST	PARK ST	Crackseal & Patch	542	83	\$2,384	19
MIDDLE ST	MILLER AV	RICHARDS AV	Crackseal & Patch	604	83	\$4,889	411
MIDDLE ST	MIDDLE RD	MILLER AV	Crackseal & Patch	2,999	72	\$23,221	430
MIDDLE ST	RICHARDS AV	STATE ST	Crackseal & Patch	676	81	\$3,807	421
MOEBUS TR	PLEASANT POINT DR	DEAD END	Crackseal & Patch	397	85	\$1,537	9
MYRTLE AV	RTE 1 BYPASS SB	DEAD END	Crackseal & Patch	830	81	\$2,921	10
NATHANIEL DR	MARIETTE DR	CUL-DE-SAC	Crackseal & Patch	1,690	73	\$10,336	21
NEWCASTLE AV	MARCY ST	PLEASANT POINT DR	Crackseal & Patch	1,060	80	\$4,476	128
O'LEARY PL	FAIRVIEW AV	CUL-DE-SAC	Crackseal & Patch	211	75	\$2,046	10
OAKWOOD DR	ELWYN RD	CUL-DE-SAC	Crackseal & Patch	797	79	\$4,488	10
ODIORNE POINT RD	GOSPORT RD (E)	CUL DE SAC LOOP	Crackseal & Patch	1,994	79	\$11,579	20
OXFORD AV	GREENLAND RD #1	DEAD END	Crackseal & Patch	799	82	\$2,812	19
PEARL ST	HANOVER ST	ISLINGTON ST	Crackseal & Patch	301	78	\$1,589	20
PEASE BV	860' E OF NEW HAMPSHIRE AV	SPAULDING TNPK	Crackseal & Patch	2,169	81	\$15,267	613
PEASE BV (WB)	SPAULDING TP	PEASE BLVD #1	Crackseal & Patch	2,129	83	\$15,735	598
PEVERLY HILL RD	WEST ROAD	327' N OF WEST ROAD	Crackseal & Patch	325	85	\$1,716	401
PIERCE PL	CLEVELAND DR	TAFT RD	Crackseal & Patch	353	81	\$2,112	19
PLEASANT POINT DR	NEW CASTLE AV	DEAD END	Crackseal & Patch	1,188	81	\$5,854	10
PLEASANT ST	STATE ST	CONGRESS ST	Crackseal & Patch	427	77	\$3,757	266
POLK AV	TAFT RD	HARRISON AV	Crackseal & Patch	244	75	\$1,718	21
ROCKAWAY ST	JENKINS AV	DEAD END	Crackseal & Patch	148	73	\$573	11
ROCKINGHAM AV	WOODBURY AV	MEADOW RD	Crackseal & Patch	318	85	\$1,399	58
RUTLAND ST	MELBOURNE ST	ISLINGTON ST	Crackseal & Patch	247	76	\$1,304	20
SEWALL RD	THAXTER RD	SPINNEY RD	Crackseal & Patch	1,204	79	\$5,085	20

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
SHEFFIELD RD	MELBOURNE ST	MIDDLE RD	Crackseal & Patch	1,363	76	\$7,675	20
SHERBURNE AV #1	ROCKLAND ST	DEAD END	Crackseal & Patch	1,066	83	\$4,127	19
SHERBURNE RD	GREENLAND RD	385'N OF GREENLAND RD	Crackseal & Patch	377	83	\$2,656	74
SOUTH SCHOOL ST	SOUTH ST	MARCY ST	Crackseal & Patch	469	85	\$1,816	18
SPINNEY RD	MIDDLE RD	100' S OF SEWALL RD	Crackseal & Patch	1,240	78	\$5,237	64
STARK ST	DENNETT ST	166' W OF DENETT ST	Crackseal & Patch	166	78	\$876	20
STATE ST	FLEET ST	PLEASANT ST	Crackseal & Patch	420	72	\$3,104	430
STATE ST	MIDDLE ST	FLEET ST	Crackseal & Patch	650	75	\$4,804	413
STATE ST	PLEASANT ST	WRIGHT AV	Crackseal & Patch	930	81	\$7,201	345
SWEATT AV	MIDDLE RD	DEAD END	Crackseal & Patch	890	82	\$3,132	9
SYLVESTER ST	MIDDLE RD	DEAD END	Crackseal & Patch	345	82	\$1,093	9
TAYLOR LN	HARDING RD	ARTHUR RD	Crackseal & Patch	361	81	\$1,906	19
TAYLOR LN	ARTHUR RD	CLEVELAND DR	Crackseal & Patch	696	72	\$3,674	22
THORNTON ST	RUTH ST	BARTLETT ST	Crackseal & Patch	1,824	85	\$8,345	18
TRUMAN PL	MCKINLEY RD	HARDING RD	Crackseal & Patch	378	79	\$1,929	20
VERDUN ST	SAGAMORE RD	MARNE AV	Crackseal & Patch	424	73	\$1,418	8
VINE ST	ISLINGTON ST	MELBOURNE ST	Crackseal & Patch	238	75	\$796	21
WALLIS RD	SUZANNE DR	SUZANNE DR	Crackseal & Patch	820	85	\$4,040	18
WASHINGTON ST	STATE ST	HANCOCK ST	Crackseal & Patch	819	85	\$2,738	11
WHIPPLE CT	DECATUR RD	CUL-DE-SAC LOOP	Crackseal & Patch	305	75	\$1,181	10
WILLARD AV	LAFAYETTE RD	100' W OF MARSTON	Crackseal & Patch	1,090	75	\$6,715	21
WINTER ST	STATE ST	AUSTIN ST	Crackseal & Patch	396	78	\$1,394	20
WOODBURY AV	RTE 1 BYPASS	MORNING ST	Crackseal & Patch	1,393	82	\$7,843	231
WOODBURY AV	978' N OF MARKET ST	MARKET ST	Crackseal & Patch	983	78	\$5,535	517
WOODWORTH AV	MIDDLE RD	DEAD END	Crackseal & Patch	908	83	\$2,876	9

### **Crackseal or Patch**

BARBERRY LN	ISLINGTON ST	FOCH AV	Crackseal or Patch	736	88	\$486	46
BARTLETT ST	ISLINGTON ST	500' W OF ISLINGTON ST	Crackseal or Patch	500	87	\$610	3,137
BIRCH ST	KEARSARGE WY	DEAD END	Crackseal or Patch	132	89	\$87	45
BLOSSOM ST	SOUTH ST	DEAD END	Crackseal or Patch	221	90	\$117	45
BORTHWICK AV	400' S OF RT 1 BY-PASS	RT 1 BY-PASS	Crackseal or Patch	430	87	\$993	1,209
BORTHWICK AV	GREENLAND RD	2750' N OF GREENLAND RD	Crackseal or Patch	2,745	87	\$3,713	1,209

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
BORTHWICK AV	2750' N OF GREENLAND RD	400' S OF RT 1 BY-PASS	Crackseal or Patch	3,503	93	\$3,583	1,134
BOW ST	464' N OF DANIEL ST	100' W OF CHAPEL ST	Crackseal or Patch	246	93	\$162	260
BRACKETT RD	HAVEN ST	DEAD END	Crackseal or Patch	829	87	\$656	46
BRIGHAM LN	CUTTS AV	CUL-DE-SAC	Crackseal or Patch	558	91	\$743	88
CORPORATE DR #1	228' E OF GRAFTON DR	1117' E OF GRAFTON	Crackseal or Patch	889	88	\$733	912
COURT PL	STATE ST	COURT ST	Crackseal or Patch	193	87	\$229	92
CRESCENT WY	470' W OF KEARSAGE WY	ALBACORE WY	Crackseal or Patch	956	86	\$788	47
CRESCENT WY	KEARSAGE WY	470' W OF KEARSAGE WY	Crackseal or Patch	470	87	\$387	46
CUTTS AV	CHASE DR	DEAD END (N)	Crackseal or Patch	792	87	\$627	369
CUTTS ST	RT 1 BY PASS	MAPLEWOOD AV	Crackseal or Patch	396	86	\$444	933
DANIEL ST	BOW ST	MARKET ST	Crackseal or Patch	941	93	\$1,242	1,125
DEER ST	BRIDGE ST	MAPLEWOOD AV	Crackseal or Patch	350	87	\$404	1,476
DENISE ST	MARIETTE DR	MARIETTE DR	Crackseal or Patch	893	88	\$825	91
DORIS AV	SHERBURNE RD	GREENSIDE AV	Crackseal or Patch	376	89	\$310	90
ECHO AV	HILLCREST DR	WOODBURY AV	Crackseal or Patch	499	89	\$395	130
ELWYN AV	SOUTH ST	ROCKLAND ST	Crackseal or Patch	1,114	91	\$1,103	88
ELWYN RD	EDGEWOOD RD	LAFAYETTE RD	Crackseal or Patch	447	87	\$855	923
ELWYN RD	RYE TOWN LINE	EDGEWOOD RD	Crackseal or Patch	6,161	87	\$6,098	923
ESSEX AV	ISLINGTON ST	MELBOURNE ST	Crackseal or Patch	244	86	\$209	933
FARM LN	WOODBURY AV	25' W OF MEADOW RD	Crackseal or Patch	331	88	\$284	161
FELLS RD	THAXTER RD	THAXTER RD	Crackseal or Patch	702	86	\$811	93
FERNALD CT	NEW CASTLE AV	DEAD END	Crackseal or Patch	291	91	\$230	44
GARDEN ST	CENTRE ST	DEAD END	Crackseal or Patch	119	91	\$63	4
GATES ST	HANCOCK ST	MECHANIC ST	Crackseal or Patch	1,045	89	\$586	90
GEORGES TR	COLONIAL DR	COLONIAL DR	Crackseal or Patch	400	87	\$290	92
GOSLING RD (WB)	UNDER RT 16	PEASE BLVD	Crackseal or Patch	671	90	\$1,062	1,786
GREENLAND RD	ISLINGTON ST	PEVERLY HILL RD	Crackseal or Patch	901	90	\$803	1,071
GREENLAND RD #1	GRIFFIN RD	ISLINGTON ST	Crackseal or Patch	2,789	90	\$4,601	3,262
HALL CT	COLONIAL DR	COLONIAL DR	Crackseal or Patch	291	87	\$192	92
HIGHLINER AV	BORTHWICK AV	CUL-DE-SAC	Crackseal or Patch	644	87	\$1,365	46
HILLCREST DR	ECHO AVE	WOODLAWN CIR	Crackseal or Patch	946	88	\$905	46
HOLLY LN	SHERBURNE RD	HOLLY LN	Crackseal or Patch	1,553	86	\$1,640	93
INTERNATIONAL DR	RYE ST	100' S OF CORPORATE DR	Crackseal or Patch	2,375	93	\$2,116	692

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
ISLINGTON ST	PLAINS AV #1	MIDDLE RD	Crackseal or Patch	639	90	\$569	1,429
ISLINGTON ST	150' N OF BARTLETT ST	100' S OF JEWELL CT	Crackseal or Patch	367	90	\$436	2,381
JACKSON HL	NORTHWEST ST	DEARBORN PL	Crackseal or Patch	236	88	\$132	91
JONES AV	SAGAMORE AV	INCINERATOR RD	Crackseal or Patch	2,741	87	\$2,080	92
KEARSARGE WY	RANGER WY	400' S OF RANGER WAY	Crackseal or Patch	342	87	\$339	923
KEARSARGE WY	400' S OF RANGER WAY	50' S OF BIRCH ST	Crackseal or Patch	1,399	88	\$1,338	912
LANG RD	LAYFAYETTE RD	RYE TOWN LINE	Crackseal or Patch	5,131	88	\$3,894	547
LINCOLN AV	SHERBURN AV	JUNKINS AV	Crackseal or Patch	799	91	\$738	353
LITTLE HARBOR RD	3245' E OF SAGAMORE AV	DEAD END	Crackseal or Patch	730	88	\$482	46
LOOKOUT LN	PINEHURST RD	DEAD END	Crackseal or Patch	267	91	\$194	44
MANGROVE ST	KEARSAGE WY	DEAD END	Crackseal or Patch	398	89	\$250	45
MANOR DR	BOYD RD	DEAD END/PARKING LOT	Crackseal or Patch	289	91	\$286	44
MAPLEWOOD AV	291' W OF CENTRAL AV	CUTTS ST	Crackseal or Patch	704	87	\$743	1,808
MAPLEWOOD AV	PROSPECT ST	DENNETT ST	Crackseal or Patch	342	87	\$361	1,808
MARIETTE DR	OCEAN RD (W)	OCEAN RD (E)	Crackseal or Patch	2,725	87	\$2,607	92
MARKET ST EB	KEARSARGE WY	RT 95 N ON RAMP	Crackseal or Patch	715	90	\$778	3,214
MARKET ST WB	RT 95 N ON RAMP	KEARSARGE WY	Crackseal or Patch	695	90	\$757	2,857
MARSH LN	MAPLEWOOD AV	DEAD END	Crackseal or Patch	403	88	\$213	46
MCDONOUGH ST	CABOT ST	DEAD END	Crackseal or Patch	641	91	\$719	44
MCNABB CT	LINCOLN AV	DEAD END	Crackseal or Patch	282	91	\$195	44
MEADOW RD	MAPLE ST	FARM LN	Crackseal or Patch	876	88	\$723	91
MELCHER ST	PLEASANT ST	DEAD END	Crackseal or Patch	350	89	\$208	45
MIDDLE RD	PEVERLY HILL RD	474' E OF LOIS ST	Crackseal or Patch	2,627	87	\$2,600	1,144
MIDDLE ST	STATE ST	ISLINGTON ST	Crackseal or Patch	402	90	\$464	1,964
MOFFAT ST	SWEATT AV	PEVERLY HILL RD	Crackseal or Patch	446	88	\$486	91
NORTH SCHOOL ST	PROSPECT ST	DENNETT ST	Crackseal or Patch	234	89	\$85	90
ODIORNE POINT RD	GOSPORT RD	GOSPORT RD (E)	Crackseal or Patch	1,586	87	\$1,727	46
ORANGE ST	KEARSARGE WY	OAK ST	Crackseal or Patch	225	89	\$134	90
PARROT AV	ROGERS ST	JUNKINS AV	Crackseal or Patch	737	87	\$900	369
PARTRIDGE ST	MARCY ST	DEAD END	Crackseal or Patch	252	91	\$116	44
PEASE BV	NEW HAMPSHIRE AVE	860' E OF NEW HAMPSHIRE AVE	Crackseal or Patch	857	88	\$1,923	2,737
PEVERLY HILL RD	LAFAYETTE RD	WEST ROAD	Crackseal or Patch	546	93	\$324	1,903
PEVERLY HILL RD (SB)	530' N OF LAFAYETTE RD	LAFAYETTE RD	Crackseal or Patch	573	87	\$662	923

<b><u>Street Name</u></b>	<b><u>From Segment</u></b>	<b><u>To Segment</u></b>	<b><u>Alternative</u></b>	<b><u>Length</u></b>	<b><u>PCI</u></b>	<b><u>Repair Cost</u></b>	<b><u>Benefit</u></b>
PLEASANT ST	COURT ST	STATE ST	Crackseal or Patch	205	90	\$236	1,179
PORTER ST	MIDDLE ST	340' E OF MIDDLE ST	Crackseal or Patch	371	89	\$196	90
PORTSMOUTH BLVD	NORTH END OF TRAFFIC ISLAND	995' N OF OSPREY DR	Crackseal or Patch	1,020	86	\$673	373
POST RD	HERITAGE AV #2	CUL-DE-SAC	Crackseal or Patch	600	87	\$826	46
PREBLE WY	KEARSARGE ST	DEAD END	Crackseal or Patch	734	89	\$581	45
PROSPECT ST	WALKER ST	MAPLEWOOD AV	Crackseal or Patch	358	88	\$295	91
RALEIGH WY	RANGER WY	SARATOGA WAY	Crackseal or Patch	806	88	\$505	91
SAGAMORE GROVE RD	SAGAMORE AV	DEAD END	Crackseal or Patch	557	89	\$276	18
SALTER ST	MARCY ST	DEAD END	Crackseal or Patch	331	91	\$186	44
SHAW RD	SAGAMORE AV	WALKER BUNGALOW RD	Crackseal or Patch	633	89	\$334	90
SHERBURNE AV #2	SHERBURNE AV	ELWYN AV	Crackseal or Patch	154	91	\$102	88
SHERBURNE RD	800'N OF GREENLAND RD	948'N OF GREENLAND RD	Crackseal or Patch	148	87	\$171	92
SHERBURNE RD	385' N OF GREENLAND RD	800'N OF GREENLAND RD	Crackseal or Patch	423	88	\$530	361
SIMONDS RD	SUZANNE DR	SUZANNE DR	Crackseal or Patch	855	88	\$846	91
SOUTH ST	JUNKINS AV	100' E OF CLOUGH DR	Crackseal or Patch	479	88	\$411	1,314
SUTTON AV	SHERBURNE RD	DEAD END	Crackseal or Patch	631	86	\$479	47
SUZANNE DR	OCEAN RD	SUZANNE DR (LOOP)	Crackseal or Patch	3,884	86	\$3,716	93
SUZANNE DR #2	LAFAYETTE RD	SUZANNE DR	Crackseal or Patch	343	88	\$385	91
TANNER ST	HANOVER ST	HILL ST	Crackseal or Patch	124	91	\$61	88
TYLER PL	HARDING RD	DWIGHT AV	Crackseal or Patch	147	91	\$165	88
VICTORY RD	COLONIAL DR	DEAD END	Crackseal or Patch	146	89	\$96	45
WASHINGTON ST	HANCOCK ST	PLEASANT ST	Crackseal or Patch	357	89	\$224	90
WHIPPLE ST	DENNETT ST	THORNTON ST	Crackseal or Patch	306	91	\$303	88
WHOLEY WY	ECHO AV	CUL-DE-SAC	Crackseal or Patch	497	88	\$678	91
WINCHESTER ST	WINCHESTER ST #2	349' W OF DEAD END	Crackseal or Patch	524	88	\$519	91
WITMER AV	SHERBURNE RD	GREENSIDE AV	Crackseal or Patch	337	92	\$245	87
WOODBURY AV	35' N. OF ROCKINGHAM AV	RTE 1 BYPASS	Crackseal or Patch	940	88	\$1,241	2,372
WOODBURY AV	MORNING ST	BARTLETT ST	Crackseal or Patch	293	88	\$232	1,113
WOODBURY AV	25' N. OF ECHO AV	35' N. OF ROCKINGHAM AV	Crackseal or Patch	3,469	87	\$2,976	1,621

**Do Nothing**

ALBACORE WAY	SARATOGA WAY	CRESCENT WAY	Do Nothing	626	95	\$0	0
ALBANY ST	BREWERY	CASS ST	Do Nothing	231	100	\$0	0

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
ALBANY ST	ISLINGTON ST	BREWERY LN	Do Nothing	506	95	\$0	0
ALDRICH CT	ALDRICH RD	DEAD END	Do Nothing	194	100	\$0	0
ALDRICH RD	JOFFRE TE	MIDDLE ST	Do Nothing	922	100	\$0	0
ALDRICH RD	ISLINGTON ST	JOFFRE TE	Do Nothing	993	100	\$0	0
ARBORETUM DRIVE	570' N OF PEASE BLVD	2255' N OF PEASE BLVD	Do Nothing	1,685	93	\$0	0
ARBORETUM DRIVE	WILDLIFE REFUGE ROAD CLOSURE	DEAD END	Do Nothing	2,655	100	\$0	0
ARBORETUM DRIVE	5511' E OF SHORT ST	3653' E OF SHORT ST	Do Nothing	1,858	100	\$0	0
ARBORETUM DRIVE	2255' N OF PEASE BLVD	2722' N OF PEASE BLVD	Do Nothing	467	95	\$0	0
ARBORETUM DRIVE	5553' N OF PEASE BLVD	5511' E OF SHORT ST	Do Nothing	836	95	\$0	0
ARBORETUM DRIVE	PEASE BLVD	570' N OF PEASE BLVD	Do Nothing	570	95	\$0	0
ARBORETUM DRIVE	2722' N OF PEASE BLVD	5553' N OF PEASE BLVD	Do Nothing	2,831	99	\$0	0
ARTHUR F BRADY DR	APPLEBEE'S DRIVEWAY	800' S OF WOODBURY AVE	Do Nothing	579	100	\$0	0
ATKINSON ST	STATE ST	COURT ST	Do Nothing	191	94	\$0	0
AUSTIN ST	MIDDLE ST	SUMMER ST	Do Nothing	481	100	\$0	0
AUSTIN ST	CABOT ST	UNION ST	Do Nothing	339	100	\$0	0
AUSTIN ST	UNION ST	MADISON ST	Do Nothing	251	100	\$0	0
AUTUMN ST	HILL ST	HANOVER ST	Do Nothing	117	100	\$0	0
AVIATION AV	DURHAM ST	HAMPTON RD	Do Nothing	1,298	93	\$0	0
BARBERRY LN	FOCH AV	DEAD END	Do Nothing	424	93	\$0	0
BERSUM LN	BROAD ST	MILLER AV	Do Nothing	339	100	\$0	0
BOSS AV	ALDRICH RD	110' S OF SUNSET RD	Do Nothing	425	100	\$0	0
BOW ST	100' W OF CHAPEL ST	MARKET ST #1	Do Nothing	406	100	\$0	0
BREWERY LN	60' WEST OF JEWELL CT	200' EAST OF JEWELL CT	Do Nothing	260	93	\$0	0
BREWERY LN	200' EAST OF JEWELL CT	CASS ST	Do Nothing	251	99	\$0	0
BRIDGE ST	HANOVER ST	ISLINGTON ST	Do Nothing	379	100	\$0	0
BROAD ST	LINCOLN AVE	SOUTH ST	Do Nothing	963	95	\$0	0
BROAD ST	82' S OF HIGHLAND ST	LINCOLN ST	Do Nothing	201	100	\$0	0
BROAD ST	MERRIMAC ST	82' S OF HIGHLAND ST	Do Nothing	664	100	\$0	0
BUCKMINSTER WAY	OCEAN RD (S)	938' N OF OCEAN DR (S)	Do Nothing	944	100	\$0	0
BUCKMINSTER WAY	938' N OF OCEAN DR (S)	OCEAN DR (N)	Do Nothing	2,170	100	\$0	0
CABOT ST	ISLINGTON ST	DEAD END	Do Nothing	445	98	\$0	0
CAMPUS DRIVE	WEST RD	CUL DE SAC LOOP	Do Nothing	811	100	\$0	0
CARDINAL LN	WINCHESTER ST	DEAD END	Do Nothing	304	98	\$0	0



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CASS ST	ALBANY ST	ISLINGTON ST	Do Nothing	514	98	\$0	0
CASS ST	MIDDLE ST	ALBANY ST	Do Nothing	1,038	98	\$0	0
CENTRE ST	BOYD RD	GARDEN ST	Do Nothing	292	100	\$0	0
CERES ST	BOW ST	DEAD END (PRIVATE LOT)	Do Nothing	344	100	\$0	0
CHAPEL ST	DANIEL ST	STATE ST	Do Nothing	287	100	\$0	0
CHAUNCY ST	WIBIRD ST	UNION ST	Do Nothing	335	100	\$0	0
CHESTNUT ST #2	STATE ST	DEAD END	Do Nothing	135	100	\$0	0
CHEVROLET AV	CASS ST	ALBANY ST	Do Nothing	239	95	\$0	0
CHURCH ST	CONGRESS ST	70' S OF CONGRESS ST	Do Nothing	68	98	\$0	0
CLINTON ST	STARK ST	SPARHAWK ST	Do Nothing	469	97	\$0	0
CLINTON ST	BARTLETT ST	STARK ST	Do Nothing	829	97	\$0	0
CLOUGH DR	478' S OF BRACKET RD	BRACKET RD	Do Nothing	470	97	\$0	0
CLOVER LA	FARM LA	MEADOW RD	Do Nothing	748	95	\$0	0
COAKLEY RD	RT 1 BY PASS	606' W OF RTE BYPASS	Do Nothing	606	100	\$0	0
COLUMBIA CT	COLUMBIA ST	DEAD END	Do Nothing	207	100	\$0	0
COLUMBIA ST	STATE ST	ISLINGTON ST	Do Nothing	498	100	\$0	0
COMMERCE WAY	WOODBURY AV	PORTSMOUTH BLVD	Do Nothing	2,798	100	\$0	0
CONCORD WY	PREBLE WY	CRESCENT WY	Do Nothing	1,393	95	\$0	0
CORNWALL ST	ISLINGTON AV	MCDONOUGH ST	Do Nothing	358	100	\$0	0
CORPORATE DR #1	GRAFTON DR	228' E OF GRAFTON DR	Do Nothing	228	100	\$0	0
COTTAGE ST	WOODBURY AV	RT 1 BYPASS RAMP	Do Nothing	1,170	100	\$0	0
CUSTOM HOUSE CT	PENHALLOW ST	DEAD END	Do Nothing	175	94	\$0	0
DANIEL ST	STATE ST	BOW ST	Do Nothing	307	95	\$0	0
DOVER ST	ISLINGTON ST	MCDONOUGH ST	Do Nothing	307	100	\$0	0
DRIFTWOOD LN	NEW CASTLE AV	DEAD END	Do Nothing	280	97	\$0	0
DURGIN LN #2	DURGIN LN (EB & WB)	DEAD END	Do Nothing	903	100	\$0	0
DURGIN LN EB	END OF ISLAND	WOODBURY AV	Do Nothing	248	100	\$0	0
DURGIN LN WB	WOODBURY AV	END OF ISLAND	Do Nothing	248	100	\$0	0
DUTTON AV	MARCY ST	SCOTT AV	Do Nothing	461	99	\$0	0
EXETER ST	NEW HAMPSHIRE AV	AIRLINE AV	Do Nothing	1,788	100	\$0	0
F W HARTFORD DR	T J GAMESTER AV (W)	840' S OF T J GAMESTER AV	Do Nothing	3,872	100	\$0	0
FAIRVIEW DR	MAPLEWOOD AV	DEAD END	Do Nothing	831	97	\$0	0
FOCH AV	BARBERRY LA	DEAD END	Do Nothing	476	95	\$0	0

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
FRIEND ST	CASS ST	DEAD END	Do Nothing	198	100	\$0	0
GARDNER ST	MECHANIC ST	MARCY ST	Do Nothing	374	100	\$0	0
GOSLING A	PEASE BLVD	UNDER HIGHWAY 16	Do Nothing	675	99	\$0	0
GRAFTON D	END OF ORIGINAL RD	RT 33	Do Nothing	3,295	99	\$0	0
GRAFTON DR	CORPORATE DR	376' S OF CORPORATE DR	Do Nothing	376	94	\$0	0
GRAFTON DR	376' S OF CORPORATE DR	SHERBURNE RD	Do Nothing	2,266	99	\$0	0
GRANITE ST	WOODBURY AV	DEAD END	Do Nothing	393	97	\$0	0
GREENLAND RD #2	GREENLAND RD	BORTHWICK AV	Do Nothing	443	94	\$0	0
GREENLEAF AV	110' S OF RT 1 BY PASS	140' N OF RT 1 BY PASS	Do Nothing	250	100	\$0	0
GREENLEAF AV	340' S OF RT 1 BY PASS	110' S OF RT 1 BY PASS	Do Nothing	230	100	\$0	0
GREENLEAF AV	140' N OF RT 1 BY PASS	LAFAYETTE RD	Do Nothing	741	100	\$0	0
GREENLEAF AV	PEVERLY HILL RD	340' S OF RT 1 BY PASS	Do Nothing	2,452	100	\$0	0
HANCOCK ST	PLEASANT ST	MARCY ST	Do Nothing	827	96	\$0	0
HAWTHORNE ST	WIBIRD ST	UNION ST	Do Nothing	368	100	\$0	0
HEATHER LN	BUCKMINSTER WY	DEAD END	Do Nothing	134	100	\$0	0
HERITAGE AV	LAFAYETTE RD	1075' W OF LAFAYETTE RD	Do Nothing	1,080	98	\$0	0
HERITAGE AV	543' W OF POST RD	BANFIELD RD	Do Nothing	2,066	98	\$0	0
HERITAGE AV	100' E OF POST RD	296' W OF POST RD	Do Nothing	398	98	\$0	0
HERITAGE AV #2 (EB)	543' W OF POST RD	296' W OF POST RD	Do Nothing	255	98	\$0	0
HERITAGE AV #3 (EB)	100' E OF POST RD	600' E OF POST RD	Do Nothing	543	98	\$0	0
HERITAGE AV (WB)	296' W OF POST RD	543' W OF POST RD	Do Nothing	248	98	\$0	0
HERITAGE AV (WB)	1075' W OF LAFAYETTE RD	100' E OF POST RD	Do Nothing	507	98	\$0	0
HIGHLAND ST	MILLER AV	RTE 1 (MIDDLE ST)	Do Nothing	1,479	100	\$0	0
HILLSIDE DR	GREENLEAF AV	GREENLEAF AV	Do Nothing	1,534	100	\$0	0
HOLMES CT	MARCY ST	DEAD END	Do Nothing	196	97	\$0	0
HOOVER DR	TAFT RD	LAFAYETTE RD	Do Nothing	1,023	94	\$0	0
HOWARD ST	WASHINGTON ST	MANNING ST	Do Nothing	318	96	\$0	0
HUNKING ST	MARCY ST	MECHANIC ST	Do Nothing	388	100	\$0	0
INTERNATIONAL DR	100' NORTH OF OAK ST	RYE ST	Do Nothing	1,072	100	\$0	0
INTERNATIONAL DR	NEW HAMPSHIRE AV	355' N OF NEW HAMPSHIRE A	Do Nothing	352	100	\$0	0
ISLINGTON ST	300' W OF SPINNEY RD	RUTLAND ST	Do Nothing	670	100	\$0	0
ISLINGTON ST	SPINNEY RD	300' W OF SPINNEY RD	Do Nothing	297	100	\$0	0
ISLINGTON ST	100' S OF JEWELL CT	SPINNEY RD	Do Nothing	1,313	100	\$0	0

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JEWELL CT	ISLINGTON ST	BREWERY LN	Do Nothing	504	94	\$0	0
JOFFRE TR	ALDRICH RD	DEAD END	Do Nothing	180	100	\$0	0
KENT ST	LINCOLN AV	ROCKLAND ST	Do Nothing	450	97	\$0	0
LAFAYETTE RD	LEDGEWOOD DR	ANDREW JARVIS DR	Do Nothing	737	98	\$0	0
LAUREL CT	KEARSARGE WAY	DEAD END	Do Nothing	935	100	\$0	0
LEDGEWOOD DR	LAFAYETTE RD	140' W OF CUL-DE-SAC	Do Nothing	400	100	\$0	0
LINCOLN AV	RICHARDS AV	SHERBURN AV	Do Nothing	353	100	\$0	0
LINCOLN AV	MILLER AV	RICHARDS AV	Do Nothing	269	100	\$0	0
LINCOLN AV	MIDDLE ST	WIBIRD ST	Do Nothing	851	95	\$0	0
LINCOLN AV	WIBIRD ST	MILLER AV	Do Nothing	1,326	98	\$0	0
LOVELL ST	MADISON ST	CASS ST	Do Nothing	396	100	\$0	0
MADISON ST	MIDDLE ST	STATE ST	Do Nothing	1,004	100	\$0	0
MANCHESTER SQ	500' W OF INTERNATIONAL D	NEW HAMPSHIRE DR	Do Nothing	512	100	\$0	0
MANNING ST	PLEASANT ST	GATES ST	Do Nothing	428	100	\$0	0
MAPLE ST	WOODBURY AV	MEADOW RD	Do Nothing	256	95	\$0	0
MAPLEWOOD AV	CUTTS ST	PROSPECT ST	Do Nothing	784	100	\$0	0
MARCY ST	100' E OF COURT ST	HANCOCK ST	Do Nothing	643	95	\$0	0
MARCY ST	STATE ST	100' S OF STATE ST	Do Nothing	100	95	\$0	0
MARCY ST	HANCOCK ST	PLEASANT ST	Do Nothing	845	99	\$0	0
MARCY ST	100' S OF STATE ST	100' E OF COURT ST	Do Nothing	230	95	\$0	0
MARSTON AV	WLLARD AV	SOUTH ST	Do Nothing	514	100	\$0	0
MARTHA TR	PATRICIA DR	OCEAN RD	Do Nothing	1,095	100	\$0	0
MCDONOUGH ST	CORNWALL ST	CABOT ST	Do Nothing	379	94	\$0	0
MCGEE DR	MAPLEWOOD AV	DEAD END	Do Nothing	954	95	\$0	0
MECHANIC ST	190' N OF GATES ST	PICKERING AV	Do Nothing	719	100	\$0	0
MECHANIC ST	MARCY ST	190' N OF GATES ST	Do Nothing	310	100	\$0	0
MEETING HOUSE HL	MARCY ST	MARCY ST	Do Nothing	369	99	\$0	0
MEREDITH WY	BARTLETT ST	DEAD END	Do Nothing	317	100	\$0	0
MERRIMAC ST	HIGHLAND ST	MILLER AV	Do Nothing	615	100	\$0	0
MIDDLE RD	474' E OF LOIS ST	607' E OF LOIS ST	Do Nothing	133	95	\$0	0
MIDDLE RD	607' E OF LOIS ST	MIDDLE ST	Do Nothing	2,109	98	\$0	0
MILL POND WY	DENNETT ST	DEAD END	Do Nothing	696	100	\$0	0
MILLER AV	LINCOLN AV	MIDDLE ST	Do Nothing	1,359	100	\$0	0

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
MILLER AV	SOUTH ST	LINCOLN AV	Do Nothing	984	94	\$0	0
MONTIETH ST	THORNTON ST	DEAD END	Do Nothing	407	100	\$0	0
OAK AVE	CORPORATE DR	INTERNATIONAL DR	Do Nothing	1,647	100	\$0	0
OAK ST	MANGROVE ST	DEAD END	Do Nothing	331	96	\$0	0
PAMELA ST	MARIETTE DR	MARIETTE DR	Do Nothing	467	94	\$0	0
PARK ST	ORCHARD ST	LINCOLN ST	Do Nothing	680	100	\$0	0
PARK ST	LINCOLN ST	MIDDLE ST	Do Nothing	607	100	\$0	0
PARKER ST	ISLINGTON ST	TANNER CT	Do Nothing	228	95	\$0	0
PARROT AV	RICHARDS AV	ROGERS ST	Do Nothing	984	100	\$0	0
PATRICIA DR	OCEAN RD	DEAD END	Do Nothing	410	100	\$0	0
PENHALLOW ST	DANIEL ST	BOW ST	Do Nothing	423	100	\$0	0
PENHALLOW ST	STATE ST	DANIEL ST	Do Nothing	354	94	\$0	0
PEVERLY HILL RD	MCCLINTOCK ST	MIDDLE ROAD	Do Nothing	755	94	\$0	0
PEVERLY HILL RD	250' N OF YMCA ENTRANCE	MCCLINTOCK ST	Do Nothing	2,127	94	\$0	0
PEVERLY HILL RD	150' N OF BANFIELD RD	250' N OF YMCA ENTRANCE	Do Nothing	518	94	\$0	0
PICKERING AV	PICKERING ST	SOUTH MILL ST	Do Nothing	226	100	\$0	0
PICKERING ST	MARCY ST	PICKERING AV	Do Nothing	368	100	\$0	0
PIERCE ISLAND RD	MECHANIC ST	150' E OF MECHANIC ST	Do Nothing	150	100	\$0	0
PINE ST	BARTLETT ST	STARK ST	Do Nothing	747	97	\$0	0
PINEHURST RD	SOUTH ST	DEAD END	Do Nothing	1,004	97	\$0	0
PORPOISE WY	SARATOGA WY	CRESCENT WY	Do Nothing	595	100	\$0	0
PORTSMOUTH BLVD	MARKET ST	NORTH END OF TRAFFIC ISLAND	Do Nothing	823	100	\$0	0
PORTSMOUTH BLVD	COMMERCE WAY	100' N OF OSPREY DR	Do Nothing	182	100	\$0	0
PORTSMOUTH BLVD (SOUTH BOUND)	NORTH SIDE OF MEDIAN	SHEARWATER DR	Do Nothing	509	100	\$0	0
PORTSMOUTH BLVD (SOUTH BOUND)	SHEARWATER DR	MARKET ST	Do Nothing	312	100	\$0	0
RALEIGH WY	SARATOGA WAY	CRESCENT WY	Do Nothing	516	99	\$0	0
RANDS CT	SOUTH ST	DEAD END	Do Nothing	247	98	\$0	0
RANGER WY	KEARSARGE WY	FALKLAND WY	Do Nothing	298	99	\$0	0
RANGER WY	FALKLAND WY	PREBLE WY	Do Nothing	747	95	\$0	0
RICHARDS AV	MIDDLE ST	ROCKLAND ST	Do Nothing	1,174	100	\$0	0
RICHARDS AV	ROCKLAND ST	LINCOLN AV	Do Nothing	459	100	\$0	0
RICHARDS AV	LINCOLN AV	SOUTH ST	Do Nothing	929	100	\$0	0

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
RIDGES CT	NEW CASTLE AV	DEAD END	Do Nothing	545	97	\$0	0
ROBIN LN	PLEASANT POINT DR	DEAD END	Do Nothing	170	100	\$0	0
ROCKINGHAM ST	ISLINGTON ST	MCDONOUGH ST	Do Nothing	355	100	\$0	0
ROCKLAND ST	SHERBURNE AV #1	ELWYN AV	Do Nothing	182	97	\$0	0
ROCKLAND ST	BROAD ST	MILLER AVE	Do Nothing	395	100	\$0	0
ROCKLAND ST	ELWYN AVE	DEAD END	Do Nothing	331	100	\$0	0
ROCKLAND ST	RICHARDS AV	SHERBURNE AV #1	Do Nothing	399	100	\$0	0
ROCKLAND ST	MILLER AVE	RICHARD AV	Do Nothing	289	100	\$0	0
SAGAMORE AV	SHAW RD	NORTH SIDE OF BRIDGE	Do Nothing	208	100	\$0	0
SAGAMORE AV	SOUTH ST	150' S OF LITTLE HARBOR RD	Do Nothing	2,400	100	\$0	0
SAGAMORE AV	NORTH SIDE OF BRIDGE	SOUTH SIDE OF BRIDGE	Do Nothing	398	100	\$0	0
SAGAMORE AV	150' S OF LITTLE HARBOR RD	SHAW RD	Do Nothing	2,082	100	\$0	0
SALEM ST	ISLINGTON ST	MCDONOUGH ST	Do Nothing	344	100	\$0	0
SANDERSON DR	SPINNEY RD	DEAD END	Do Nothing	504	100	\$0	0
SCOTT AV	DANIEL ST	DUTTON AV	Do Nothing	171	95	\$0	0
SHEAFE ST	CHAPEL ST	PENHALLOW ST	Do Nothing	391	100	\$0	0
SOUTH MILL ST	PICKERING AV	MARCY ST	Do Nothing	272	100	\$0	0
SOUTH ST	100' E OF CLOUGH DR	RICHARDS ST	Do Nothing	583	94	\$0	0
SOUTH ST	UNION ST	WIBIRD ST	Do Nothing	373	99	\$0	0
SOUTH ST	RICHARDS ST	MILLER AV	Do Nothing	348	100	\$0	0
SOUTH ST	WIBIRD ST	LAFAYETTE RD	Do Nothing	1,758	95	\$0	0
SOUTH ST	MILLER AV	UNION ST	Do Nothing	1,095	94	\$0	0
SPRING ST	WILLOW ST	MILLER AV	Do Nothing	796	99	\$0	0
STATE ST	WRIGHT AV	MARCY ST	Do Nothing	225	98	\$0	0
STATE ST	MARCY ST	DANIEL ST	Do Nothing	215	100	\$0	0
SUMMER ST	ISLINGTON ST	MIDDLE ST	Do Nothing	1,147	100	\$0	0
TANNER CT	TANNER ST	PARKER ST	Do Nothing	220	100	\$0	0
TANNER ST	ISLINGTON ST	HANOVER ST	Do Nothing	366	100	\$0	0
THORNTON ST	BARTLETT ST	WOODBURY AV	Do Nothing	346	100	\$0	0
THORNTON ST EX	THORNTON ST	DENNETT ST	Do Nothing	283	100	\$0	0
UNION ST	MIDDLE ST	SOUTH RD	Do Nothing	2,015	100	\$0	0
VAUGHAN ST	GREEN ST	MAPLEWOOD AV	Do Nothing	365	100	\$0	0
WALDEN ST	MARCY ST	DEAD END	Do Nothing	155	95	\$0	0

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WALKER ST	DENNETT ST	PROSPECT ST	Do Nothing	145	95	\$0	0
WALTON AV	GATES ST	GARDNER ST	Do Nothing	177	93	\$0	0
WBBX RD	ISLINGTON ST	RR TRACKS	Do Nothing	151	99	\$0	0
WEST RD	940' S OF PEVERLY HILL R	CAMPUS DR	Do Nothing	2,486	100	\$0	0
WEST RD	CAMPUS DR	LAFAYETTE RD	Do Nothing	1,234	100	\$0	0
WEST RD	PEVERLY HILL RD	940' S OF PEVERLY HILL R	Do Nothing	940	100	\$0	0
WHITE CEDARS BV	345' E OF LAFAYETTE BLVD	CUL-DE-SAC LOOP	Do Nothing	605	94	\$0	0
WHITE CEDARS BV	LAFAYETTE RD	345' E OF LAFAYETTE BLVD	Do Nothing	345	100	\$0	0
WIBIRD ST	MIDDLE ST	SOUTH RD	Do Nothing	2,020	100	\$0	0
WILLARD AV	100' W OF MARSTON	WIBIRD ST	Do Nothing	386	100	\$0	0
WILLOW LN	LINCOLN AV	SPRING ST	Do Nothing	246	100	\$0	0
WINCHESTER ST #2	OCEAN RD	880' S OF OCEAN RD	Do Nothing	866	98	\$0	0
WINCHESTER ST #2	880' S OF OCEAN RD	NATHANIEL DR	Do Nothing	183	97	\$0	0
WINCHESTER ST #3	WINCHESTER #2	MARIETTE DR	Do Nothing	283	98	\$0	0
WOODBURY AV	MARKET ST	25' N. OF ECHO AV	Do Nothing	658	95	\$0	0
WOODBURY AV (#2)	210'S OF MARKET ST	MARKET ST	Do Nothing	200	98	\$0	0
WOODLAWN CR	575' FROM ECHO AV	ECHO AV	Do Nothing	563	100	\$0	0

### **Fortified Reclaim AR/CO**

FLEET ST	COURT ST	HANOVER ST	Fortified Reclaim AR/CO	1,046	44	\$135,175	14
HANOVER ST	MAPLEWOOD AVE	PORTWALK	Fortified Reclaim AR/CO	345	46	\$78,469	46

### **Fortified Reclaim LO**

ANDREW JARVIS DR	LAFAYETTE RD	HIGH SCHOOL PARKING LOT	Fortified Reclaim LO	812	47	\$71,445	3
ARBORETUM DRIVE	3653' E OF SHORT ST	2682' E OF SHORT ST	Fortified Reclaim LO	971	41	\$78,633	8
ARBORETUM DRIVE	2682' E OF SHORT ST	1093' E OF SHORT ST	Fortified Reclaim LO	1,590	44	\$128,683	7
ASHLAND ST	CUTTS AV	CENTRAL AV	Fortified Reclaim LO	350	35	\$18,477	9
AVIATION AV	HAMPTON RD	ROCHESTER AV	Fortified Reclaim LO	2,409	37	\$245,843	4
BEECHWOOD ST	CENTRAL AV	CUTTS ST	Fortified Reclaim LO	348	41	\$28,170	8
BURKITT ST EXT	DENNETT ST	140' W OF DENNETT ST	Fortified Reclaim LO	127	53	\$13,409	3
CENTRAL AV	280' W OF CUTTS ST	MAPLEWOOD AV	Fortified Reclaim LO	706	39	\$69,573	8
CHASE DR	MICHAEL SUCCI DR	CUTTS AV EX	Fortified Reclaim LO	913	51	\$89,972	6
CLIFF RD #2	DEAD END	DEAD END	Fortified Reclaim LO	317	47	\$26,776	3

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
COFFIN CT	CABOT ST	UNION ST	Fortified Reclaim LO	335	42	\$12,969	7
CUTTS ST	MAPLEWOOD AV	ASHLAND ST	Fortified Reclaim LO	261	39	\$25,720	8
CUTTS ST	ASHLAND ST	CENTRAL ST	Fortified Reclaim LO	763	39	\$91,302	32
DURHAM ST	NEW HAMPSHIRE AV	AVIATION AV	Fortified Reclaim LO	970	40	\$88,761	8
DURHAM ST	AVIATION AV	DEAD END	Fortified Reclaim LO	768	38	\$54,059	4
EDMOND AV	MAPLEWOOD AV	WOODBURY AV	Fortified Reclaim LO	2,043	47	\$179,757	7
ELM CT	ISLINGTON ST	DEAD END	Fortified Reclaim LO	107	44	\$6,778	4
FRANKLIN ST	PLEASANT ST	DEAD END	Fortified Reclaim LO	244	45	\$18,893	3
FRENCHMAN'S LN	ISLINGTON ST	DEAD END	Fortified Reclaim LO	221	40	\$15,556	4
GOOSE BAY DR	1069' E OF CORPORATE DR W	1897' E OF CORPORATE DR W	Fortified Reclaim LO	830	45	\$87,635	28
GREEN ST	VAUGHAN ST	RUSSELL ST	Fortified Reclaim LO	487	48	\$39,422	7
GREENLAND RD #2	DEAD END	SHERBURN DR	Fortified Reclaim LO	467	45	\$62,457	3
HUNTERS HILL	DENNETT ST	DEAD END	Fortified Reclaim LO	239	49	\$0	6
LAWRENCE ST	MIDDLE ST	BOSS AV	Fortified Reclaim LO	312	45	\$24,158	7
LEDGEWOOD DR	140' W OF CUL-DE-SAC	CUL-DE-SAC	Fortified Reclaim LO	141	47	\$23,854	3
LESLIE DR	CUTTS ST	CUL DE SAC LOOP	Fortified Reclaim LO	2,029	41	\$214,230	8
MARK ST	COURT ST	DEAD END	Fortified Reclaim LO	244	44	\$15,458	4
MCDONOUGH ST	BREWSTER ST	CORNWALL ST	Fortified Reclaim LO	380	50	\$45,424	3
MORNING ST	WOODBURY AV	BARTLETT ST	Fortified Reclaim LO	616	40	\$43,360	8
NEWFIELDS ST	NEW HAMPSHIRE AV	ROCHESTER AV	Fortified Reclaim LO	468	50	\$54,355	6
OSPREY DR	SHEARWATER DR/PORTSMOUTH	DUNLIN WY	Fortified Reclaim LO	1,996	40	\$140,497	8
PARKER ST	TANNER CT	HANOVER ST	Fortified Reclaim LO	95	44	\$6,708	7
PEARSON ST	PLAINS AV #1	DEAD END	Fortified Reclaim LO	740	52	\$46,879	3
PORTSMOUTH BLVD (CLOSED)	995' N OF OSPREY DR	DUNLIN WAY	Fortified Reclaim LO	983	44	\$69,193	28
RAYNES AV	MAPLEWOOD AV	VAUGHAN ST	Fortified Reclaim LO	250	50	\$30,795	6
ROCHESTER AV	SOMERSWORTH AV	NEW HAMPSHIRE AV	Fortified Reclaim LO	592	44	\$62,506	7
SANDERLING WAY	BLUE HERON DR	OSPREY DR	Fortified Reclaim LO	845	54	\$89,219	6
SHEARWATER DR	62' W OF BLUE HERON DR	203' E OF PORTSMOUTH BLVD	Fortified Reclaim LO	350	46	\$28,332	7
SHEARWATER DR	203' E OF PORTSMOUTH BLVD	PORTSMOUTH BLVD	Fortified Reclaim LO	326	43	\$35,568	29
SOMERWORTH ST	AVIATION AV	ROCHESTER AV	Fortified Reclaim LO	437	35	\$32,298	9
SPARHAWK ST	DENNETT ST	THORTON ST	Fortified Reclaim LO	268	49	\$32,069	6
STARK ST	CLINTON ST	DENNETT ST	Fortified Reclaim LO	951	45	\$83,675	1
STARK ST	166' W OF DENETT ST	FRANKLIN DR	Fortified Reclaim LO	333	44	\$23,440	1



<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
UNION ST	ISLINGTON ST	MIDDLE ST	Fortified Reclaim LO	1,367	42	\$144,333	7
VAUGHAN ST	RAYNES AV	GREEN ST	Fortified Reclaim LO	431	44	\$56,112	7
VERSAILLES AV	JONES AV	DEAD END	Fortified Reclaim LO	314	48	\$20,997	3
WHIDDEN ST	PLEASANT ST	DEAD END	Fortified Reclaim LO	250	40	\$17,597	4
WOODBURY AV (OLD)	WOODBURY AV	DEAD END	Fortified Reclaim LO	373	50	\$28,842	1

### **Full Depth Const. LO**

ARBORETUM DRIVE	SHORT ST	WILDLIFE REFUGE ROAD CLOSURE	Full Depth Const. LO	2,002	40	\$377,196	4
DEARBORN ST	MAPLEWOOD AV	DEAD END	Full Depth Const. LO	265	40	\$32,570	2
EDWARD ST	PLEASANT ST	200' N OF JUNKINS ST	Full Depth Const. LO	260	37	\$42,608	4
GOOSE BAY DR	1897' E OF CORPORATE DR W	CORPORATE DR (E)	Full Depth Const. LO	703	37	\$126,725	16
GRAY'S LN	SAGAMORE AV	BROAD ST	Full Depth Const. LO	267	43	\$19,690	3
KANE ST	DENNETT ST	RTE 1 BYPASS	Full Depth Const. LO	671	36	\$153,944	4
LIVERMORE ST	PLEASANT ST	DEAD END	Full Depth Const. LO	305	35	\$67,476	2
MIRONA RD EX	80' N OF DEAD END	DEAD END	Full Depth Const. LO	83	39	\$27,203	2
RICHMOND ST	PLEASANT ST	WASHINGTON ST	Full Depth Const. LO	338	30	\$33,234	5
ROCHESTER AV	STRATHAM ST	SOMERSWORTH AV	Full Depth Const. LO	1,926	34	\$631,248	4

### **Full Depth Reclaim AR/CO**

BANFIELD RD	CONSTITUTION AV	541' N OF OCEAN RD	Full Depth Reclaim AR/CO	3,514	60	\$364,452	66
BARTLETT ST	THORNTON ST	DENNETT ST	Full Depth Reclaim AR/CO	338	48	\$51,821	119
CORPORATE DR #1	1117' E OF GRAFTON	RYE ST	Full Depth Reclaim AR/CO	4,692	54	\$550,101	33
CORPORATE DR #2	RYE ST	772' E OF GOOSE BAY DR W	Full Depth Reclaim AR/CO	1,926	48	\$225,809	46
DEER ST	MAPLEWOOD AV	RUSSELL ST	Full Depth Reclaim AR/CO	447	60	\$100,873	95
MIRONA RD	250' W OF LAFAYETTE RD	500' E OF PEVERLY HILL R	Full Depth Reclaim AR/CO	1,417	54	\$204,471	16
PEVERLY HILL RD	ENTRANCE TO DPW	150' N OF BANFIELD RD	Full Depth Reclaim AR/CO	873	57	\$177,149	38
PLEASANT ST	MARCY ST	WENTWORTH ST	Full Depth Reclaim AR/CO	625	59	\$50,730	37
PLEASANT ST	WENTWORTH ST	JUNKINS AV	Full Depth Reclaim AR/CO	808	52	\$109,306	13
RUSSELL ST	DEER ST	100' S OF GREEN ST	Full Depth Reclaim AR/CO	358	44	\$71,090	30
SAGAMORE AV	SOUTH SIDE OF BRIDGE	WENTWORTH HOUSE RD	Full Depth Reclaim AR/CO	610	58	\$87,950	74
SAGAMORE AV	WENTWORTH HOUSE RD	RYE TOWN LINE	Full Depth Reclaim AR/CO	1,655	58	\$238,741	74
SOUTH ST	LAFAYETTE RD	MIDDLE RD	Full Depth Reclaim AR/CO	753	54	\$88,237	59
SPINNEY RD	100' S OF SEWALL RD	ISLINGTON ST	Full Depth Reclaim AR/CO	632	55	\$68,349	13

<u>Street Name</u>	<u>From Segment</u>	<u>To Segment</u>	<u>Alternative</u>	<u>Length</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit</u>
<b><u>Full Depth Reclaim LO</u></b>							
AIRLINE AV	700' N OF EXETER ST	GATE	Full Depth Reclaim LO	422	59	\$32,076	3
BARTLETT ST	DENNETT ST	DEAD END	Full Depth Reclaim LO	206	55	\$10,245	3
BLUE HERON DR	SHEARWATER DR	DUNLIN WY	Full Depth Reclaim LO	2,157	58	\$126,209	6
BOYD RD	WOODBURY AV	RT 1 BY PASS RAMP	Full Depth Reclaim LO	837	55	\$51,423	7
BURKITT ST	THORNTON ST	DENNETT ST	Full Depth Reclaim LO	296	58	\$22,515	6
CENTRAL AV	CUTTS ST	280' W OF CUTTS ST	Full Depth Reclaim LO	277	43	\$22,691	9
CHAPEL ST	BOW ST	DANIEL ST	Full Depth Reclaim LO	472	58	\$30,379	6
CHESTNUT ST #1	CONGRESS ST	PORTER ST	Full Depth Reclaim LO	188	50	\$9,900	8
CHURCH ST	STATE ST	DEAD END	Full Depth Reclaim LO	260	55	\$11,409	3
CHURCH ST	70' S OF CONGRESS ST	STATE ST	Full Depth Reclaim LO	352	54	\$15,443	3
CLIFF RD	SAGAMORE AV	CLIFF RD #2	Full Depth Reclaim LO	326	51	\$22,890	7
CLOUGH DR	855' E OF SOUTH ST	478' S OF BRACKET RD	Full Depth Reclaim LO	463	47	\$47,409	8
CLOUGH DR	SOUTH ST	855' E OF SOUTH ST	Full Depth Reclaim LO	839	59	\$58,909	6
COACH RD	LAFAYETTE RD	CUL-DE-SAC LOOP	Full Depth Reclaim LO	1,295	58	\$121,235	3
DEER ST	RUSSELL ST	MARKET ST	Full Depth Reclaim LO	483	41	\$70,693	238
DIAMOND DR	ONYX LA	RUBY RD	Full Depth Reclaim LO	680	57	\$49,734	7
DODGE AV	GREENLAND RD	DEAD END	Full Depth Reclaim LO	807	49	\$63,745	4
DODGE AVE #2	DODGE AV	DEAD END	Full Depth Reclaim LO	229	51	\$21,438	4
DWIGHT AV	TYLER AV	VAN BUREN AV	Full Depth Reclaim LO	510	48	\$50,729	8
F W HARTFORD DR	TAFT RD	T J GAMESTER AV (W)	Full Depth Reclaim LO	611	47	\$57,210	8
GRANT AV	WILSON RD	EDGEWOOD RD	Full Depth Reclaim LO	356	47	\$20,830	8
HANOVER ST #1	ROCK ST	BREWSTER ST	Full Depth Reclaim LO	284	50	\$16,617	8
HARDING RD	700' N OF T J GAMESTER	ADAMS AV	Full Depth Reclaim LO	919	56	\$88,752	7
HARDING RD	MCKINLEY RD	ELWYN RD	Full Depth Reclaim LO	971	46	\$99,425	8
HARDING RD	ADAMS AV	MCKINLEY RD	Full Depth Reclaim LO	1,822	55	\$159,911	7
HARVARD ST	GREENLAND RD	DEAD END/GATE	Full Depth Reclaim LO	618	47	\$36,131	4
HIGH ST	225' W OF HANOVER ST	DEER ST	Full Depth Reclaim LO	312	58	\$16,430	6
JENKINS AV	SUMMIT AV	ROCKAWAY ST	Full Depth Reclaim LO	235	52	\$8,250	7
LEE ST	AVIATION AV	ROCHESTER AV	Full Depth Reclaim LO	434	48	\$38,091	8
LITTLE HARBOR RD	552' E OF SAGAMORE AV	3245' E OF SAGAMORE AV	Full Depth Reclaim LO	2,714	53	\$142,919	7
MANNING PL	GATES ST	END	Full Depth Reclaim LO	64	60	\$2,434	3

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MAPLEWOOD AV	RAYNES AV	VAUGHAN ST	Full Depth Reclaim LO	619	41	\$72,472	220
MAPLEWOOD AV	WOODBURY AV	EDMOND AV	Full Depth Reclaim LO	2,573	48	\$248,406	64
MICHAEL SUCCI DR	MARKET ST	DEAD END	Full Depth Reclaim LO	1,162	49	\$81,588	4
MIRONA RD EX	MIRONA RD	80' N OF DEAD END	Full Depth Reclaim LO	420	56	\$49,149	7
NIXON PK	MCKINLEY RD	NIXON PK (LOOP)	Full Depth Reclaim LO	907	48	\$71,644	8
ONYX LN	TOPAZ PL	DIAMOND DR	Full Depth Reclaim LO	309	51	\$22,600	7
PARROT AV	JUNKINS AV	EDWARDS ST	Full Depth Reclaim LO	106	54	\$11,504	28
PIERCE ISLAND RD	END OF BRIDGE DECK	1500' S OF MECHANIC ST	Full Depth Reclaim LO	1,117	48	\$78,428	30
PIERCE ISLAND RD	150' E OF MECHANIC ST	END OF BRIDGE DECK	Full Depth Reclaim LO	305	57	\$20,523	25
PIERCE ISLAND RD	1500' S OF MECHANIC ST	DEAD END	Full Depth Reclaim LO	1,192	48	\$83,694	30
PLAINS AV #1	ISLINGTON ST	DEAD END	Full Depth Reclaim LO	358	60	\$27,231	6
PRINCETON ST	HARVARD ST	DEAD END	Full Depth Reclaim LO	203	48	\$15,441	4
REGINA RD	ELWYN RD	REGINA RD (LOOP)	Full Depth Reclaim LO	1,892	55	\$160,520	7
ROCK ST	ISLINGTON ST	SUDBURY ST	Full Depth Reclaim LO	400	58	\$22,234	6
SAPPHIRE ST	EDMOND AV	ROCKINGHAM AV	Full Depth Reclaim LO	238	58	\$17,407	6
SAPPHIRE ST	DIAMOND DR	EDMOND AV	Full Depth Reclaim LO	491	58	\$35,911	6
SEWALL RD	ALDRICH RD	THAXTER RD	Full Depth Reclaim LO	237	60	\$13,174	6
SHERIDAN AV	SOUTH ST	DEAD END	Full Depth Reclaim LO	279	50	\$11,427	4
SPARHAWK ST	THORTON ST	CLINTON ST	Full Depth Reclaim LO	567	49	\$41,470	8
STRATHAM ST	NEW HAMPSHIRE AV	ROCHESTER AV	Full Depth Reclaim LO	427	54	\$46,221	7
SUDBURY ST	BREWSTER ST	ROCK ST	Full Depth Reclaim LO	261	53	\$14,508	7
SUMMIT AV	SOUTH ST	DEAD END	Full Depth Reclaim LO	551	52	\$54,807	4
SUNSET RD	BOSS AV	THAXTER RD	Full Depth Reclaim LO	683	55	\$59,945	7
VAN BUREN AV	ADAMS AV	FILMORE RD	Full Depth Reclaim LO	245	48	\$24,370	8
WALKER BUNGALOW RD	LITTLE HARBOR RD	SHAW RD	Full Depth Reclaim LO	2,028	49	\$106,795	8
WALKER BUNGALOW RD	SHAW RD	CUL-DE-SAC LOOP	Full Depth Reclaim LO	749	48	\$43,825	4
WARD PL	MONROE ST	MIDDLE RD	Full Depth Reclaim LO	230	60	\$15,476	6

### **Overlay AR/CO**

BANFIELD RD	475' S OF PEVERLY HILL R	750' S OF PEVERLY HILL R	Overlay AR/CO	275	67	\$7,259	80
BANFIELD RD	PEVERLY HILL RD	475' S OF PEVERLY HILL R	Overlay AR/CO	475	66	\$22,464	82
BARTLETT ST	500' W OF ISLINGTON ST	THORNTON ST	Overlay AR/CO	1,303	71	\$50,158	110
ESSEX AV	MELBOURNE ST	MIDDLE RD	Overlay AR/CO	1,404	61	\$49,413	49

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
GOSLING RD	130' E OF WOODBURY AV	150' W OF WOODBURY AV	Overlay AR/CO	280	71	\$7,391	143
GOSLING RD (EB)	WEDGEWOOD RD	END OF MEDIAN	Overlay AR/CO	1,241	71	\$40,947	143
HANOVER ST	PORTWALK	100' W OF MARKET ST	Overlay AR/CO	716	61	\$34,649	20
HANOVER ST	BRIDGE ST	MAPLEWOOD AVE	Overlay AR/CO	150	63	\$7,259	48
INTERNATIONAL DR	CORPORATE DR	PEASE BV	Overlay AR/CO	940	66	\$69,245	36
JUNKINS AV	SOUTH ST	544' N OF LINCOLN AV	Overlay AR/CO	959	71	\$25,314	33
MAPLEWOOD AV	VAUGHAN ST	ISLINGTON ST	Overlay AR/CO	1,085	68	\$62,053	106
MAPLEWOOD AV	DENNETT ST	RAYNES AV	Overlay AR/CO	821	61	\$36,105	40
MARKET ST EB	NOBLES ISLAND	RUSSELL ST	Overlay AR/CO	777	65	\$28,197	166
MARKET ST EB	RT 95 N ON RAMP	NOBLES ISLAND	Overlay AR/CO	2,910	71	\$105,628	152
MARKET ST WB	RUSSELL ST	NOBLES ISLAND	Overlay AR/CO	766	64	\$27,816	150
MIRONA RD	LAFAYETTE RD	250' W OF LAFAYETTE RD	Overlay AR/CO	248	65	\$12,274	18
MIRONA RD	500' E OF PEVERLY HILL R	PEVERLY HILL RD	Overlay AR/CO	498	68	\$16,979	18
PEVERLY HILL RD	327' N OF WEST ROAD	ENTRANCE TO DPW	Overlay AR/CO	470	62	\$11,372	58
RUSSELL ST	100' S OF GREEN ST	MARKET ST	Overlay AR/CO	380	61	\$18,411	29
SOUTH ST	MARCY ST	JUNKINS AV	Overlay AR/CO	1,857	65	\$53,102	21
WOODBURY AV	GOSLING ROAD	978' N OF MARKET ST	Overlay AR/CO	2,453	68	\$202,342	220
WOODBURY AV (#2)	MARKET ST	900' N OF MARKET ST	Overlay AR/CO	862	65	\$28,442	120

### **Overlay LO**

ADAMS AV	HARDING RD	DEAD END	Overlay LO	468	67	\$15,287	3
AIRLINE AV	EXETER ST	700' N OF EXETER ST	Overlay LO	700	69	\$34,313	3
ALDER WAY	KANE ST	DEAD END	Overlay LO	208	61	\$5,662	7
ARBORETUM DRIVE	1093' E OF SHORT ST	SHORT ST	Overlay LO	1,093	64	\$27,380	6
ARTHUR F BRADY DR	800' S OF WOODBURY AVE	STATE ON-RAMP	Overlay LO	501	67	\$21,833	6
ARTHUR F BRADY DR	WOODBURY AV	APPLEBEE'S DRIVEWAY	Overlay LO	233	67	\$10,126	6
ASH ST	ORCHARD ST	WILLARD AV	Overlay LO	279	67	\$9,114	6
BOSS AV	110' S OF SUNSET RD	MIDDLE RD	Overlay LO	627	71	\$15,019	6
BURKITT ST	CLINTON ST	THORNTON ST	Overlay LO	575	63	\$16,278	6
CABOT ST	MIDDLE ST	ISLINGTON ST	Overlay LO	1,250	64	\$43,553	21
CENTRAL AV	MAPLEWOOD AV	MYRTLE AV S	Overlay LO	966	65	\$29,451	6
COAKLEY RD	606' W OF RTE BYPASS	COAKLEY RD (LOOP)	Overlay LO	2,601	65	\$84,962	11
COLONIAL DR	SHERBURNE RD	2500' N OF SHERBURNE RD	Overlay LO	2,509	61	\$71,029	7

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
COLONIAL DR	2500' N OF SHERBURNE RD	SHERBURNE RD	Overlay LO	1,592	70	\$45,069	6
COOLIDGE DR	HOOVER DR	MCKINLEY RD	Overlay LO	1,364	66	\$32,674	6
DECATUR RD	COLONIAL DR	COLONIAL DR	Overlay LO	1,042	64	\$28,364	6
EDGEWOOD RD	250' S OF ELWYN RD	GRANT AV	Overlay LO	622	65	\$26,413	6
EDWARDS ST	200' N OF JUNKINS ST	JUNKINS ST	Overlay LO	204	63	\$4,442	26
F W HARTFORD DR	840' S OF T J GAMESTER AV	HARDING RD	Overlay LO	833	67	\$29,024	6
FAIRVIEW AV	MAPLEWOOD AV	OLEARY PL	Overlay LO	248	71	\$11,886	6
FAIRVIEW AV	OLEARY PL	EDMOND AV	Overlay LO	463	70	\$12,601	6
GARFIELD RD	MCKINLEY RD	TAFT RD	Overlay LO	676	70	\$20,609	6
GRANT AV	EDGEWOOD RD	ELWYN RD	Overlay LO	244	68	\$7,970	6
GRANT AV	MCKINLEY RD	WILSON RD	Overlay LO	1,005	65	\$32,828	6
HAMPTON ST	AVIATION AVE	FLIGHT LINE DR	Overlay LO	1,026	65	\$33,508	6
HARRISON AV	MCKINLEY RD	PIERCE PL	Overlay LO	1,074	65	\$35,082	6
HAYES PL	HARDING RD	MCKINLEY RD	Overlay LO	326	70	\$9,939	6
HIGH ST	HANOVER ST	225' W OF HANOVER ST	Overlay LO	220	64	\$8,384	6
HIGH ST #2	CONGRESS ST	LADD ST	Overlay LO	224	66	\$4,634	6
JOAN AV	ANNE AV	RICCI AV	Overlay LO	325	66	\$10,616	6
KENSINGTON RD	MIDDLE RD	BOSS AV	Overlay LO	670	69	\$17,508	6
LARRY LN	COAKLEY RD (N)	COAKLEY RD (S)	Overlay LO	405	69	\$13,229	6
LOIS ST	MIDDLE RD	DEAD END	Overlay LO	486	69	\$10,583	3
MARJORIE ST	MIDDLE RD	DEAD END	Overlay LO	669	62	\$20,396	3
MASON AV	DECATUR RD	COLONIAL AV	Overlay LO	637	63	\$16,646	6
MCKINLEY RD	VAN BUREN AV	200' W OF TAFT DR	Overlay LO	1,134	68	\$40,746	17
MCKINLEY RD	HARDING RD	VAN BUREN AV	Overlay LO	1,620	65	\$52,917	18
MCKINLEY RD	200' W OF TAFT DR	LAFAYETTE RD	Overlay LO	805	67	\$26,295	6
MELBOURNE ST	VINE ST	RUTLAND ST	Overlay LO	1,436	61	\$39,089	7
MONROE ST	WARD PL	MIDDLE RD	Overlay LO	342	66	\$16,385	6
MONROE ST EX	SOUTH ST	DEAD END	Overlay LO	244	70	\$6,111	3
MT VERNON ST	SOUTH ST	POLICE DEPT LOT	Overlay LO	396	67	\$9,486	6
NEWCASTLE AV	SOUTH ST	MARCY ST	Overlay LO	842	71	\$22,006	16
NORTHWEST ST	MAPLEWOOD AV	DEAD END	Overlay LO	1,269	65	\$27,635	3
OPAL AV	DIAMOND DR	TOPAZ PL	Overlay LO	264	69	\$7,186	6
ORCHARD CT	WILLARD AV	DEAD END	Overlay LO	187	71	\$4,072	3

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Repair Cost</b>	<b>Benefit</b>
ORCHARD ST	294' N OF WILLARD AV	WIBIRD ST	Overlay LO	906	63	\$28,617	6
ORCHARD ST	WILLARD AV	294' N OF WILLARD AV	Overlay LO	294	65	\$6,394	6
PORTER ST	340' E OF MIDDLE ST	PLEASANT ST	Overlay LO	581	69	\$8,224	6
PRAY ST	MARCY ST	DEAD END	Overlay LO	268	71	\$3,502	3
RICCI AV	JOAN AV	ROBERTS AV	Overlay LO	390	67	\$12,739	6
ROBERT AV	LAFAYETTE RD	ANNE AV	Overlay LO	875	67	\$33,346	6
ROGERS ST	COURT ST	PARROT AV	Overlay LO	523	63	\$11,389	9
RUBY RD	EDMOND AV	DIAMOND DR	Overlay LO	448	69	\$12,195	6
RYE ST	INTERNATIONAL DR	CORPORATE DR #2	Overlay LO	1,622	69	\$44,152	6
SIMS AV	MELBOURNE ST	DEAD END	Overlay LO	660	68	\$14,373	3
T J GAMESTER DR	F W HARTFORD DR	F W HARTFORD DR	Overlay LO	967	63	\$33,693	6
TAFT RD	CLEVELAND DR	ELWYN RD	Overlay LO	627	65	\$18,433	25
TAFT RD	796' N OF HOOVER DR	GARFIELD RD	Overlay LO	322	68	\$10,518	6
TAFT RD	GARFIELD RD	CLEVELAND DR	Overlay LO	2,331	65	\$76,142	6
THAXTER RD	SUNSET RD	BOSS AV	Overlay LO	982	70	\$35,285	6
TOPAZ PL	OPAL AV	ONYX LN	Overlay LO	297	70	\$8,085	6
VAN BUREN AV	FILMORE RD	HARRISON AV	Overlay LO	1,028	67	\$35,818	6
WENTWORTH ST	PLEASANT ST	DEAD END	Overlay LO	434	65	\$8,506	3
WILSON RD	930' W OF TAFT RD	LAFAYETTE RD	Overlay LO	496	68	\$14,042	6
WILSON RD	TAFT RD	930' W OF TAFT RD	Overlay LO	948	67	\$27,870	6
WORTHEN RD	COLONIAL DR	DEAD END	Overlay LO	97	62	\$2,640	3

**Overlay w/mill AR/CO**

ISLINGTON ST	MAPLEWOOD AV	150' N OF BARTLETT ST	Overlay w/mill AR/CO	3,314	65	\$169,252	200
ISLINGTON ST	RUTLAND ST	PLAINS AV #1	Overlay w/mill AR/CO	3,172	66	\$121,503	113
JUNKINS AV	PARROT AV	PLEASANT ST	Overlay w/mill AR/CO	343	63	\$13,132	57
LAFAYETTE RD	ANDREW JARVIS DR	325' S OF SOUTH ST	Overlay w/mill AR/CO	836	66	\$41,514	183
MAPLEWOOD AV	EDMOND AV	291' W OF CENTRAL AV	Overlay w/mill AR/CO	613	67	\$38,267	57
MARCY ST	PLEASANT ST	SOUTH ST	Overlay w/mill AR/CO	168	69	\$11,925	54
MARKET ST #1	BOW ST	DANIEL ST	Overlay w/mill AR/CO	421	71	\$29,865	41
PLEASANT ST	JUNKINS AV	COURT ST	Overlay w/mill AR/CO	390	63	\$19,894	102

<u>Street Name</u>	<u>From Segment</u>	<u>To Segment</u>	<u>Alternative</u>	<u>Length</u>	<u>PCI</u>	<u>Repair Cost</u>	<u>Benefit</u>
<b><u>Overlay w/mill LO</u></b>							
FILMORE RD	DEAD END	VAN BUREN AV	Overlay w/mill LO	165	63	\$7,264	5
FILMORE RD	VAN BUREN AV	HARDING RD	Overlay w/mill LO	442	62	\$19,393	5
FRANKLIN AV	WOODBURY AV	DEAD END	Overlay w/mill LO	738	62	\$27,500	5
GREENLAND RD #2	SHERBURN DR	GREENLAND RD	Overlay w/mill LO	395	68	\$14,186	9
HANOVER ST	PEARL ST	BRIDGE ST	Overlay w/mill LO	551	70	\$21,998	9
LANGDON ST	DEAD END	ISLINGTON ST	Overlay w/mill LO	537	64	\$14,293	5
SHEARWATER DR	CUL DE SAC	62' W OF BLUE HERON DR	Overlay w/mill LO	357	67	\$14,136	9
STATE ST	CASS ST	MIDDLE ST	Overlay w/mill LO	2,634	65	\$122,686	34
TAFT RD	HOOVER DR	796' N OF HOOVER DR	Overlay w/mill LO	808	65	\$35,484	10

### **Prev. Maintenance**

AUSTIN ST	SUMMER ST	CABOT ST	Prev. Maintenance	497	72	\$8,117	11
BENSON ST	SIMS AV	DEAD END	Prev. Maintenance	249	73	\$1,972	5
BOW ST	DANIEL ST	464' N OF DANIEL ST	Prev. Maintenance	454	73	\$6,291	32
BREWERY LN	PARKING LOT (JEWELL CT)	60' WEST OF JEWELL CT	Prev. Maintenance	140	72	\$1,940	11
BROAD ST	SOUTH ST	JONES AVE	Prev. Maintenance	1,541	73	\$24,412	106
CATE ST	547' S OF BARTLETT ST	BARTLETT ST	Prev. Maintenance	541	78	\$7,497	15
CORPORATE DR #1	NEW HAMPSHIRE AV	GRAFTON DR	Prev. Maintenance	983	74	\$12,649	105
CORPORATE DR #2	772' E OF GOOSE BAY DR W	GOOSE BAY DR (W)	Prev. Maintenance	774	73	\$17,238	212
COURT ST	PLEASANT ST	MIDDLE ST	Prev. Maintenance	1,111	74	\$18,145	105
CUTTS AV	DEAD END (S)	CHASE DR	Prev. Maintenance	261	76	\$3,100	5
DENNETT ST	BURRITT ST	100' S OF MILL POND WAY	Prev. Maintenance	1,004	72	\$13,412	108
DENNETT ST	MAPLEWOOD AV	BARTLETT ST	Prev. Maintenance	312	72	\$6,181	108
DENNETT ST	100' S OF MILL POND WAY	WOODBURY AV	Prev. Maintenance	1,234	72	\$17,711	108
DENNETT ST	BARTLETT ST	BURRITT ST	Prev. Maintenance	979	72	\$15,991	108
ECHO AV	SPAULDING TP	HILLCREST DR	Prev. Maintenance	865	73	\$10,275	21
FARM LN	25' W OF MEADOW RD	SPAULDING TP	Prev. Maintenance	928	76	\$13,779	18
GOSLING RD	300' E OF WOODBURY AV	130' E OF WOODBURY AV	Prev. Maintenance	170	80	\$2,524	10
LITTLE HARBOR RD	SAGAMORE AV	552' E OF SAGAMORE AV	Prev. Maintenance	556	76	\$4,678	10
LONGMEADOW LN	WOODLAWN CR	150' S OF WOODLAWN CR	Prev. Maintenance	160	78	\$1,663	5
LONGMEADOW RD	LAFAYETTE RD	CUL-DE-SAC	Prev. Maintenance	537	83	\$12,538	5
MARKET ST WB	KEARSARGE WY	WOODBURY AV	Prev. Maintenance	3,403	75	\$50,527	430



<b><u>Street Name</u></b>	<b><u>From Segment</u></b>	<b><u>To Segment</u></b>	<b><u>Alternative</u></b>	<b><u>Length</u></b>	<b><u>PCI</u></b>	<b><u>Repair Cost</u></b>	<b><u>Benefit</u></b>
MONROE ST	SOUTH ST	WARD PL	Prev. Maintenance	274	77	\$3,933	40
NEW HAMPSHIRE AV	PEASE BLVD	INTERNATIONAL DR	Prev. Maintenance	5,934	74	\$114,539	126
ROCKINGHAM AV	MEADOW RD	SPAULDING TP	Prev. Maintenance	526	73	\$6,508	34
ROCKINGHAM AV	SAPHIRE ST	WOODBURY AV	Prev. Maintenance	622	75	\$7,696	10
RUTH ST	THORNTON ST	DEAD END	Prev. Maintenance	253	72	\$2,755	5
SARATOGA WY	BEDFORD WY	CRESCENT WY	Prev. Maintenance	792	78	\$7,840	10
SCHURMAN AV	COLONIAL DR	DEAD END	Prev. Maintenance	164	73	\$2,029	5
SHERBURNE RD	948'N OF GREENLAND RD	WITMER AV	Prev. Maintenance	2,046	74	\$29,366	10
THAXTER RD	ISLINGTON ST	SUNSET RD	Prev. Maintenance	900	72	\$11,136	11
WOODLAWN CR	WOODBURY AV	575' FROM ECHO AV	Prev. Maintenance	1,020	74	\$12,616	10



# Appendix D

Backlog List –Pease ■

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\*All Backlogs are based from PCI's projected to September 2016

# **Pease Pavement Backlog Report**

<b><u>Street Name</u></b>	<b><u>From Segment</u></b>	<b><u>To Segment</u></b>	<b><u>Alternative</u></b>	<b><u>Length</u></b>	<b><u>PCI</u></b>	<b><u>Cost</u></b>	<b><u>Benefit</u></b>
AIRLINE AV	EXETER ST	700' N OF EXETER ST	Overlay LO	700	69	\$34,313	3
AIRLINE AV	700' N OF EXETER ST	GATE	Full Depth Reclaim LO	422	59	\$32,076	3
ARBORETUM DRIVE	PEASE BLVD	570' N OF PEASE BLVD	Do Nothing	570	95	\$0	0
ARBORETUM DRIVE	570' N OF PEASE BLVD	2255' N OF PEASE BLVD	Do Nothing	1,685	93	\$0	0
ARBORETUM DRIVE	2255' N OF PEASE BLVD	2722' N OF PEASE BLVD	Do Nothing	467	95	\$0	0
ARBORETUM DRIVE	2722' N OF PEASE BLVD	5553' N OF PEASE BLVD	Do Nothing	2,831	99	\$0	0
ARBORETUM DRIVE	5553' N OF PEASE BLVD	5511' E OF SHORT ST	Do Nothing	836	95	\$0	0
ARBORETUM DRIVE	5511' E OF SHORT ST	3653' E OF SHORT ST	Do Nothing	1,858	100	\$0	0
ARBORETUM DRIVE	3653' E OF SHORT ST	2682' E OF SHORT ST	Fortified Reclaim LO	971	41	\$78,633	8
ARBORETUM DRIVE	2682' E OF SHORT ST	1093' E OF SHORT ST	Fortified Reclaim LO	1,590	44	\$128,683	7
ARBORETUM DRIVE	1093' E OF SHORT ST	SHORT ST	Overlay LO	1,093	64	\$27,380	6
ARBORETUM DRIVE	SHORT ST	WILDLIFE REFUGE ROAD CLOSURE	Full Depth Const. LO	2,002	40	\$377,196	4
ARBORETUM DRIVE	WILDLIFE REFUGE ROAD CLOSURE	DEAD END	Do Nothing	2,655	100	\$0	0
AVIATION AV	GRAFTON DR	DURHAM ST	Crackseal & Patch	1,177	82	\$6,421	19
AVIATION AV	DURHAM ST	HAMPTON RD	Do Nothing	1,298	93	\$0	0
AVIATION AV	HAMPTON RD	ROCHESTER AV	Fortified Reclaim LO	2,409	37	\$245,843	4
CORPORATE DR #1	NEW HAMPSHIRE AV	GRAFTON DR	Prev. Maintenance	983	74	\$12,649	105
CORPORATE DR #1	GRAFTON DR	228' E OF GRAFTON DR	Do Nothing	228	100	\$0	0
CORPORATE DR #1	228' E OF GRAFTON DR	1117' E OF GRAFTON	Crackseal or Patch	889	88	\$733	912
CORPORATE DR #1	1117' E OF GRAFTON	RYE ST	Full Depth Reclaim AR/CO	4,692	54	\$550,101	33
CORPORATE DR #2	RYE ST	772' E OF GOOSE BAY DR W	Full Depth Reclaim AR/CO	1,926	48	\$225,809	46
CORPORATE DR #2	772' E OF GOOSE BAY DR W	GOOSE BAY DR (W)	Prev. Maintenance	774	73	\$17,238	212
CORPORATE DR #2	GOOSE BAY DR (W)	INTERNATIONAL DR	Crackseal & Patch	716	72	\$6,930	172
DURHAM ST	NEW HAMPSHIRE AV	AVIATION AV	Fortified Reclaim LO	970	40	\$88,761	8
DURHAM ST	AVIATION AV	DEAD END	Fortified Reclaim LO	768	38	\$54,059	4
EXETER ST	NEW HAMPSHIRE AV	AIRLINE AV	Do Nothing	1,788	100	\$0	0
GOOSE BAY DR	CORPORATE DR (W)	1069' E OF CORPORATE DR W	Crackseal & Patch	1,071	76	\$5,654	20
GOOSE BAY DR	1069' E OF CORPORATE DR W	1897' E OF CORPORATE DR W	Fortified Reclaim LO	830	45	\$87,635	28
GOOSE BAY DR	1897' E OF CORPORATE DR W	CORPORATE DR (E)	Full Depth Const. LO	703	37	\$126,725	16
GRAFTON D	END OF ORIGINAL RD	RT 33	Do Nothing	3,295	99	\$0	0

<b>Street Name</b>	<b>From Segment</b>	<b>To Segment</b>	<b>Alternative</b>	<b>Length</b>	<b>PCI</b>	<b>Cost</b>	<b>Benefit</b>
GRAFTON DR	CORPORATE DR	376' S OF CORPORATE DR	Do Nothing	376	94	\$0	0
GRAFTON DR	376' S OF CORPORATE DR	SHERBURNE RD	Do Nothing	2,266	99	\$0	0
HAMPTON ST	AVIATION AVE	FLIGHT LINE DR	Overlay LO	1,026	65	\$33,508	6
INTERNATIONAL DR	NEW HAMPSHIRE AV	355' N OF NEW HAMPSHIRE A	Do Nothing	352	100	\$0	0
INTERNATIONAL DR	100' NORTH OF OAK ST	RYE ST	Do Nothing	1,072	100	\$0	0
INTERNATIONAL DR	355' N OF NEW HAMPSHIRE A	100' NORTH OF OAK ST	Crackseal & Patch	1,336	80	\$6,114	388
INTERNATIONAL DR	RYE ST	100' S OF CORPORATE DR	Crackseal or Patch	2,375	93	\$2,116	692
INTERNATIONAL DR	100' S OF CORPORATE DR	CORPORATE DR	Crackseal & Patch	351	72	\$4,142	172
INTERNATIONAL DR	CORPORATE DR	PEASE BV	Overlay AR/CO	940	66	\$69,245	36
LEE ST	AVIATION AV	ROCHESTER AV	Full Depth Reclaim LO	434	48	\$38,091	8
MANCHESTER SQ	INTERNATIONAL DR	500' W OF INTERNATIONAL D	Crackseal & Patch	515	77	\$2,809	81
MANCHESTER SQ	500' W OF INTERNATIONAL D	NEW HAMPSHIRE DR	Do Nothing	512	100	\$0	0
NEW HAMPSHIRE AV	PEASE BLVD	INTERNATIONAL DR	Prev. Maintenance	5,934	74	\$114,539	126
NEWFIELDS ST	NEW HAMPSHIRE AV	ROCHESTER AV	Fortified Reclaim LO	468	50	\$54,355	6
OAK AVE	CORPORATE DR	INTERNATIONAL DR	Do Nothing	1,647	100	\$0	0
PEASE BV	NEW HAMPSHIRE AVE	860' E OF NEW HAMPSHIRE AVE	Crackseal or Patch	857	88	\$1,923	2,737
PEASE BV	860' E OF NEW HAMPSHIRE AV	SPAULDING TNP	Crackseal & Patch	2,169	81	\$15,267	613
PEASE BV (WB)	SPAULDING TP	PEASE BLVD #1	Crackseal & Patch	2,129	83	\$15,735	598
ROCHESTER AV	STRATHAM ST	SOMERSWORTH AV	Full Depth Const. LO	1,926	34	\$631,248	4
ROCHESTER AV	SOMERSWORTH AV	NEW HAMPSHIRE AV	Fortified Reclaim LO	592	44	\$62,506	7
RYE ST	INTERNATIONAL DR	CORPORATE DR #2	Overlay LO	1,622	69	\$44,152	6
SOMERSWORTH ST	AVIATION AV	ROCHESTER AV	Fortified Reclaim LO	437	35	\$32,298	9
STRATHAM ST	NEW HAMPSHIRE AV	ROCHESTER AV	Full Depth Reclaim LO	427	54	\$46,221	7



# Appendix E

Crackseal Candidate List ■

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## Crackseal Candidate List

<u>Street Name</u>	<u>From Segment</u>	<u>To Segment</u>	<u>Length (ft)</u>	<u>PCI</u>
ARTHUR RD	CLEVELAND DR	TAYLOR RD	634	86
ASH ST	WILLARD AV	DEAD END	357	87
AUSTIN ST	SUMMER ST	CABOT ST	497	75
BANFIELD RD	PEVERLY HILL RD	475' S OF PEVERLY HILL R	475	77
BANFIELD RD	750' S OF PEVERLY HILL R	CONSTITUTION AV	5,045	84
BARTLETT ST	ISLINGTON ST	500' W OF ISLINGTON ST	500	87
BORTHWICK AV	GREENLAND RD	2750' N OF GREENLAND RD	2,745	89
BORTHWICK AV	400' S OF RT 1 BY-PASS	RT 1 BY-PASS	430	89
BOW ST	DANIEL ST	464' N OF DANIEL ST	454	76
BREWSTER ST	ISLINGTON AV	DEAD END	587	86
CATE ST	COTTAGE ST	547' S OF BARTLETT ST	929	79
CATE ST	547' S OF BARTLETT ST	BARTLETT ST	541	78
CENTRAL AV	MAPLEWOOD AV	MYRTLE AV S	966	75
CHAPEL CT	CHAPEL ST	PARKING LOT	130	86
CONGRESS ST	PLEASANT ST	MIDDLE ST	998	76
CONSTITUTION AV	LAFAYETTE RD	350' W OF LAFAYETTE RD	350	88
CONSTITUTION AV	350' W OF LAFAYETTE RD	1810' W OF LAFAYETTE RD	1,460	86
CONSTITUTION AV	1810' W OF LAFAYETTE RD	BANFIELD RD	2,260	87
COOLIDGE DR EX (Y INT)	WILSON RD	COOLIDGE DR	128	89
CORPORATE DR #2	GOOSE BAY DR (W)	INTERNATIONAL DR	716	80
COURT PL	STATE ST	COURT ST	193	89
COURT ST	PLEASANT ST	MIDDLE ST	1,111	77
CRESCENT WY	KEARSAGE WY	470' W OF KEARSAGE WY	470	87
CRESCENT WY	470' W OF KEARSAGE WY	ALBACORE WY	956	86
CUTTS AV	DEAD END (S)	CHASE DR	261	76
CUTTS AV	CHASE DR	DEAD END (N)	792	89
CUTTS ST	RT 1 BY PASS	MAPLEWOOD AV	396	88
DAVIS RD	GRIFFIN RD	CUL DE SAC	574	90
DEER ST	BRIDGE ST	MAPLEWOOD AV	350	87
DENNETT ST	MAPLEWOOD AV	BARTLETT ST	312	75
DENNETT ST	BARTLETT ST	BURRITT ST	979	75
DENNETT ST	BURRITT ST	100' S OF MILL POND WAY	1,004	75
DENNETT ST	100' S OF MILL POND WAY	WOODBURY AV	1,234	75
ECHO AV	SPAULDING TP	HILLCREST DR	865	76
EDGEWOOD RD	ELWYN RD	250' S OF ELWYN RD	246	83
ELWYN RD	RYE TOWN LINE	EDGEWOOD RD	6,161	87
ELWYN RD	EDGEWOOD RD	LAFAYETTE RD	447	87
FAIRVIEW AV	MAPLEWOOD AV	OLEARY PL	248	78
FAIRVIEW AV	OLEARY PL	EDMOND AV	463	77
FREEDOM CIR	LAFAYETTE RD	DEAD END	1,363	77
GEORGES TR	COLONIAL DR	COLONIAL DR	400	89
GOOSE BAY DR	CORPORATE DR (W)	1069' E OF CORPORATE DR W	1,071	79
GOSLING RD	300' E OF WOODBURY AV	130' E OF WOODBURY AV	170	80
GOSLING RD	130' E OF WOODBURY AV	150' W OF WOODBURY AV	280	79

## Crackseal Candidate List

<u>Street Name</u>	<u>From Segment</u>	<u>To Segment</u>	<u>Length (ft)</u>	<u>PCI</u>
GOSLING RD (EB)	SPAUDING TP	WEDGEWOOD DR	1,023	77
GOSLING RD (EB)	WEDGEWOOD RD	END OF MEDIAN	1,241	79
GOSLING RD (WB)	WEDGEWOOD RD	SPAUDING TP	1,022	87
GOSLING RD (WB)	UNDER RT 16	PEASE BLVD	671	90
GOSPORT RD	ELWIN RD	ODIORNE POINT RD (E)	2,913	79
GREENLAND RD #3	RT 101	DEAD END	456	88
GREENSIDE AV	WITMER AV	408' S OF SHERBURNE RD	1,086	80
GREENSIDE AV	408' S OF SHERBURNE RD	SHERBURNE RD	412	81
GRIFFIN RD	GREENLAND RD #1	375' S OF GREENLAND RD	375	90
GRIFFIN RD	375' S OF GREENLAND RD	CUL-DE-SAC	1,043	87
HALL CT	COLONIAL DR	COLONIAL DR	291	89
HAMPSHIRE RD	SHEFFIELD RD	SHEFFIELD RD	1,288	87
HANOVER ST	ROCK ST	PEARL ST	144	87
HANOVER ST	PEARL ST	BRIDGE ST	551	80
HARDING RD	T J GAMESTER	700' N OF T J GAMESTER	707	85
HAVEN RD	SOUTH ST	DEAD END	546	89
HIGHLINER AV	BORTHWICK AV	CUL-DE-SAC	644	89
HILL ST	BRIDGE ST	DEAD END	415	89
HOLLY LN	SHERBURNE RD	HOLLY LN	1,553	88
INTERNATIONAL DR	355' N OF NEW HAMPSHIRE A	100' NORTH OF OAK ST	1,336	83
INTERNATIONAL DR	100' S OF CORPORATE DR	CORPORATE DR	351	75
JACKSON HL	NORTHWEST ST	DEARBORN PL	236	88
JONES AV	SAGAMORE AV	INCINERATOR RD	2,741	87
JUNKINS AV	544' N OF LINCOLN AV	PARROT AV	798	76
KEARSARGE WY	PREBLE WY	RANGER WY	1,071	89
KEARSARGE WY	RANGER WY	400' S OF RANGER WAY	342	87
KEARSARGE WY	400' S OF RANGER WAY	50' S OF BIRCH ST	1,399	88
LAFAYETTE RD	WILLARD AV	MIDDLE ST	588	77
LEAVITT AV	MIDDLE RD	MCCLINTOCK AV	671	85
LONGMEADOW LN	WOODLAWN CR	150' S OF WOODLAWN CR	160	78
LONGMEADOW RD	LAFAYETTE RD	CUL-DE-SAC	537	90
MANCHESTER SQ	INTERNATIONAL DR	500' W OF INTERNATIONAL D	515	80
MAPLEWOOD AV	EDMOND AV	291' W OF CENTRAL AV	613	75
MAPLEWOOD AV	291' W OF CENTRAL AV	CUTTS ST	704	89
MAPLEWOOD AV	PROSPECT ST	DENNETT ST	342	89
MARKET ST	BOW ST	DEER ST	731	89
MARKET ST	DEER ST	RUSSELL ST	501	89
MARKET ST EB	WOODBURY AV	KEARSARGE WY	3,381	80
MARKET ST EB	KEARSARGE WY	RT 95 N ON RAMP	715	90
MARKET ST WB	RT 95 N ON RAMP	KEARSARGE WY	695	90
MARKET ST WB	KEARSARGE WY	WOODBURY AV	3,403	75
MARSH LN	MAPLEWOOD AV	DEAD END	403	88
MELCHER ST	PLEASANT ST	DEAD END	350	89
MENDUM AV	MIDDLE ST	PARK ST	542	89



## Crackseal Candidate List

<u>Street Name</u>	<u>From Segment</u>	<u>To Segment</u>	<u>Length (ft)</u>	<u>PCI</u>
MIDDLE RD	PEVERLY HILL RD	474' E OF LOIS ST	2,627	89
MIRONA RD	500' E OF PEVERLY HILL R	PEVERLY HILL RD	498	76
MOFFAT ST	SWEATT AV	PEVERLY HILL RD	446	88
MONROE ST	SOUTH ST	WARD PL	274	77
MONROE ST	WARD PL	MIDDLE RD	342	76
MONROE ST EX	SOUTH ST	DEAD END	244	77
MT VERNON ST	SOUTH ST	POLICE DEPT LOT	396	77
MYRTLE AV	RTE 1 BYPASS SB	DEAD END	830	89
NATHANIEL DR	MARIETTE DR	CUL-DE-SAC	1,690	80
NORTH SCHOOL ST	PROSPECT ST	DENNETT ST	234	89
OAKWOOD DR	ELWYN RD	CUL-DE-SAC	797	81
O'LEARY PL	FAIRVIEW AV	CUL-DE-SAC	211	82
PARROT AV	ROGERS ST	JUNKINS AV	737	89
PEARL ST	HANOVER ST	ISLINGTON ST	301	87
PEASE BV	NEW HAMPSHIRE AVE	860' E OF NEW HAMPSHIRE AVE	857	88
PEVERLY HILL RD (SB)	530' N OF LAFAYETTE RD	LAFAYETTE RD	573	89
PLEASANT ST	STATE ST	CONGRESS ST	427	87
POLK AV	TAFT RD	HARRISON AV	244	82
POST RD	HERITAGE AV #2	CUL-DE-SAC	600	89
PROSPECT ST	WALKER ST	MAPLEWOOD AV	358	88
RALEIGH WY	RANGER WY	SARATOGA WAY	806	88
ROCKINGHAM AV	SAPHIRE ST	WOODBURY AV	622	75
ROCKINGHAM AV	MEADOW RD	SPAULDING TP	526	76
RUBY RD	EDMOND AV	DIAMOND DR	448	79
RUTH ST	THORNTON ST	DEAD END	253	75
RUTLAND ST	MELBOURNE ST	ISLINGTON ST	247	85
SARATOGA WY	BEDFORD WY	CRESCENT WY	792	78
SCHURMAN AV	COLONIAL DR	DEAD END	164	76
SHEFFIELD RD	MELBOURNE ST	MIDDLE RD	1,363	85
SHERBURNE RD	GREENLAND RD	385'N OF GREENLAND RD	377	83
SHERBURNE RD	385' N OF GREENLAND RD	800'N OF GREENLAND RD	423	88
SHERBURNE RD	800'N OF GREENLAND RD	948'N OF GREENLAND RD	148	89
SHERBURNE RD	948'N OF GREENLAND RD	WITMER AV	2,046	77
SIMONDS RD	SUZANNE DR	SUZANNE DR	855	90
SOUTH ST	JUNKINS AV	100' E OF CLOUGH DR	479	88
SPINNEY RD	MIDDLE RD	100' S OF SEWALL RD	1,240	85
SUTTON AV	SHERBURNE RD	DEAD END	631	88
SUZANNE DR	OCEAN RD	SUZANNE DR (LOOP)	3,884	88
SUZANNE DR #2	LAFAYETTE RD	SUZANNE DR	343	90
SYLVESTER ST	MIDDLE RD	DEAD END	345	88
TAFT RD	796' N OF HOOVER DR	GARFIELD RD	322	75
TAYLOR LN	ARTHUR RD	CLEVELAND DR	696	79
VICTORY RD	COLONIAL DR	DEAD END	146	89
VINE ST	ISLINGTON ST	MELBOURNE ST	238	78

## Crackseal Candidate List

<u>Street Name</u>	<u>From Segment</u>	<u>To Segment</u>	<u>Length (ft)</u>	<u>PCI</u>
WHIPPLE CT	DECATUR RD	CUL-DE-SAC LOOP	305	78
WHOLEY WY	ECHO AV	CUL-DE-SAC	497	88
WILLARD AV	LAFAYETTE RD	100' W OF MARSTON	1,090	75
WOODBURY AV	35' N. OF ROCKINGHAM AV	RTE 1 BYPASS	940	88
WOODBURY AV	RTE 1 BYPASS	MORNING ST	1,393	82
WOODBURY AV	MORNING ST	BARTLETT ST	293	88



# Appendix F

## Unit Costs ■

Unit costs updated and reviewed in 2016

Name	Cost/SY
Do Nothing	\$0.00
Crackseal or Patch	\$0.30
Crackseal & Patch	\$1.60
Preventive Maintenance	\$4.50
Overlay Local	\$9.90
Overlay Arterial/Collector	\$10.00
Mill & Overlay Local Road	\$12.10
Mill & Overlay Arterial/Collector	\$12.90
Full Depth Reclaim Local Road	\$26.60
Fortified Reclaim Local Road	\$32.00
Full Depth Reclaim Arterial/Collector	\$41.00
Fortified Reclaim Arterial/Collector	\$47.00
Full Depth Construction Local Road	\$74.50
Full Depth Construction Arterial/Collector	\$80.00



# Appendix G

## Glossary of Terms

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**BASE INDEX (BI):** is an index derived from controlled measurements and evaluations of condition survey distresses attributed to the underlying unbound base and subbase materials, and is manifested as non-utility patches, alligating, cross section, and consolidation. It is a rating established as an indicator of asphalt materials quality and performance on a scale from 0 to 100, with 100 being excellent.

**BENEFIT VALUE (BV):** The benefit value is computed by RoadManager software at the time it determines the most beneficial recommended repair for a particular road section. The benefit value formula is:

$$\frac{\text{ADT} \times \text{Estimated Repair Life}}{\text{Current Cost} \times \text{Condition Index}}$$

Where BV = benefit value, ADT = average daily traffic, and Condition Index = the condition index for the particular road section for the type of work being done.

Benefit value is on a relative scale. The range of values varies from agency to agency.

**CAPITAL REPAIRS:** Capital repairs are extensive and costly repairs such as Structural Improvement and Base Rehabilitation work.

**DEDUCT VALUES:** Deduct values represent the penalty assessed for each identified distress and is used in the calculation of the Pavement Condition Index. Each distress has multiple severity and extent levels, with a specific deduct value at each level. Deduct values may be modified for all nine pavement distress types. The deduct value is ultimately subtracted from a perfect pavement condition of 100.

**DEFICIENCY:** is any indication of poor or unfavorable pavement performance or signs of impending failure; or any unsatisfactory performance of a pavement short of failure.

**DETERIORATION RATE:** is a prediction of the anticipated change in a roadway's condition over time.

**DISTRESS:** Distresses are the physical defects in a pavement system which can be observed and quantified through visual inspection of the roadway surface. Broad categories include cracking, patching, depressions, and surface wear.



**FUNCTIONAL CLASSIFICATION:** Road functional classification places all streets and roads in the network into one of three general categories - arterial, collector, or local - according to vehicular volume, roadway geometry, and traffic characteristics.

**GRADE:** is a measure of the steepness of a slope, expressed as a percentage. One percent slope has one foot of elevation change in one hundred feet of horizontal distance.

**MAINTENANCE:** is anything done to the pavement after original construction short of complete reconstruction, excluding shoulders and bridges.

**NETWORK LEVEL:** is an assessment of conditions and/or program needs across the entire roadway system encompassed by the roadway management study.

**PAVEMENT CONDITION INDEX (PCI):** is an index derived from established measurements of pavement surface condition distress or deficiencies. It is a serviceability rating established under controlled conditions having a scale of 0 to 100, with 100 being excellent.

**PAVEMENT MANAGEMENT (PM):** Pavement Management is the effective and efficient directing of the various activities involved in providing and sustaining pavements in a condition acceptable to the traveling public at the lowest life-cycle cost.

**PAVEMENT MANAGEMENT SYSTEM (PMS):** is an established, documented procedure treating many or all of the Pavement Management activities in a systematic and coordinated manner. It consists of five essential elements structured to serve decision-making responsibilities at various management levels.

1. Pavement surveys related to condition and serviceability;
2. Database containing all pavement-related information;
3. Analysis scheme;
4. Decision criteria;
5. Implementation procedures.

**PAVEMENT PERFORMANCE:** is the assessment of how well the pavement served the user over time. The engineer often associates pavement condition with an arbitrary, but quantifiable, value relating to pavement roughness, pavement distress, or pavement strength. Performance is the measured change of condition and/or serviceability over increments of time.

**PAVEMENT TYPES:** The RoadManager 2000™ assigns an unlimited number of pavement types to the streets and roads. These pavement types often include bituminous concrete, surface treated, gravel, portland cement concrete, and composite. Pavement types serve to inform pavement engineers of the operating



condition of the street, and provides a meaningful communication tool when engineering judgment is required to select possible rehabilitation alternatives. "Surface treated" designates a road surface and pavement structure that evolved over time. Generally, this type of surface starts as a dirt road, then is built up over time with a series of sand seals and stone seals. Conversely, a "bituminous concrete" roadway is typically engineered with a pavement structure designed to withstand predicted traffic volumes. The roadway usually has a gravel base, a binder course, and an asphalt wearing surface. The "composite" surface type is used to describe a bituminous concrete roadway that has received a preventive maintenance surface treatment, such as microsurfacing.

**PRESERVATION MAINTENANCE:** Preservation maintenance is used to describe the routine and preventive maintenance repair categories.

**PREVENTIVE MAINTENANCE:** Preventive maintenance activities are those which are performed at planned intervals to protect and seal the pavement. Seals are designed to provide one or more of the following benefits:

1. Prevent the intrusion of air and moisture;
2. Fill small cracks and voids;
3. Rejuvenate an oxidized binder;
4. Provide a new wearing surface.

**PROJECT LEVEL:** is a detailed assessment or identification of needs relative to a specific roadway, or a section thereof, as opposed to network level applications. It may include on site pavement testing, lab evaluation, life cycle cost analysis, and treatment recommendation for the particular pavement section.

**RECONSTRUCTION:** Reconstruction is the complete removal and replacement of a failed pavement, and might also involve widening, realignment, traffic control devices, safety hardware, and major base and drainage work.

**REHABILITATION:** The rehabilitation of pavements includes the work necessary to restore the pavement to a condition that will allow it to perform satisfactorily for several years. Rehabilitation also includes the work necessary to prepare the pavement for an overlay. The major activities involved in the rehabilitation process are:

1. Partial depth patching;
2. Full depth patching;
3. Joint and crack sealing.
4. Grouting and undersealing (filling voids);
5. Grinding and milling (removal of high spots in the pavement.)
6. Overlays.

**REPAIR STRATEGIES:** The RoadManager 2000™ represents repair strategies in a table of user defined "if, then" statements. The recommended repairs are based on



seven decision factors: PCI range, Base Index, Surface Index, Functional Classification, Surface Type, Utility Index, and Drainage Index. These input conditions to the repair strategy table represent the various conditions for each decision factor.

**REPAIR TYPES:** are the various choices of treatment available for providing a solution to a pavement deficiency or problem. The associated repair type cost is based on a locality's past experience.

**ROADWAY MANAGEMENT SYSTEM:** A roadway management system has all the database attributes of a pavement management system as defined above, along with recording additional inventory and condition data on a range of roadside elements. These additions to the management system database may include drainage features, utilities, traffic signs, pavement markings, sidewalks, pedestrian ramps and other road related elements within the right of way. Because the roadway management system has common locating and identifying fields for each roadside element, the database can be comprehensively evaluated for system wide planning and management.

**ROUTINE MAINTENANCE:** Routine maintenance activities are those which are taken to correct a specific pavement failure or area distress. Routine maintenance usually addresses localized pavement defects and includes activities such as:

1. Full depth patching;
2. Skin patching;
3. Crack sealing.

**SURFACE INDEX (SI):** is an index derived from controlled measurements and evaluations of the pavement condition survey distresses attributed to such asphalt mixture and material components as: surface wear/raveling, mix characteristics, and polished aggregate. It is a rating established as an indicator of asphalt materials quality and performance on a scale from 0 to 100, with 100 being excellent.

**THRESHOLDS:** The thresholds define various condition index ranges used in the determination of recommended repairs. These thresholds identify PCI ranges from 1 to 5, with 5 representing optimal conditions and 1 representing complete reconstruction.

# City of Portsmouth Conditional Sidewalk Assessment

Report of Findings

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Prepared for:  
City of Portsmouth  
Department of Public Works

Prepared by:  
GIS Division

July 2015



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## Introduction

The City of Portsmouth Department of Public Works conducted a conditional sidewalk assessment on City maintained sidewalks during the summer of 2015. Applicable sidewalks were evaluated on their usability and mapped out using Trimble handheld Global Positioning System (GPS) units. Vanasse Hangen Bustlin, Inc. (VHB) project manager Lance Baden trained employees on the fundamentals of performing conditional assessments prior to the start of the project. The purpose of this project was not to identify specific points of impairments or access ADA compliance, but rather to provide a baseline for conducting such surveys in the future.

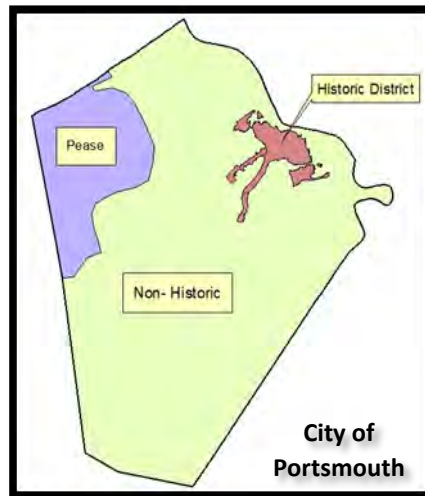
The assessment provides City staff with detailed information regarding its sidewalks including: sidewalk and curb material, width, major distresses, estimated percent repair, and a ranking of each individual sidewalk's condition. The conditions were classified as excellent, good, fair, or poor. Through the assessment, a database was established within a Geographic Information System (GIS) inclusive of all information collected in the field. The data collected provides staff and decision-makers with a clearer depiction of the overall conditions of the City's sidewalks and offers detailed information to aid in the implementation of Portsmouth's Bicycle and Pedestrian Plan.

This report will describe the methodology of the assessment, outline the results of field evaluations which will include detailed maps and figures, as well as provide the cost estimations from a detailed budget analysis.

## Methodology

This survey was carried out to establish current information and maps concerning the status of City maintained infrastructure. The assessment was broken into three areas of interest: the Historic District, Non-Historic District, and Pease International Tradeport (Figure 1). Sidewalks located in parks, fields, and various other City maintained facilities where sidewalks do not directly border roads such as those surrounding schools, the Portsmouth Public Library, and Public Works, were collected, however, excluded from this report. The information collected will aid in future projects and serve as a guide for future sidewalk maintenance, repair, and replacement.

The processes used to conduct the assessment include: identifying the location of City maintained sidewalks, developing data dictionaries to aid in GPS field collection, implementation of the assessment, post processing and downloading of data collected, followed by data management and analysis.



**Figure 1.** *The three study areas.*

### *Network Identification*

An investigation prior to data collection was conducted to identify where City maintained sidewalks were located in order to narrow and define survey areas. To do this, the City's most current sidewalks layer within the GIS was used to locate all streets without sidewalks. Field

reconnaissance of these areas took place to verify the information. Maps were then made throughout the data collection process of only the areas documented as having sidewalks. Eliminating roads with no sidewalks allowed for more efficient planning of daily routes.

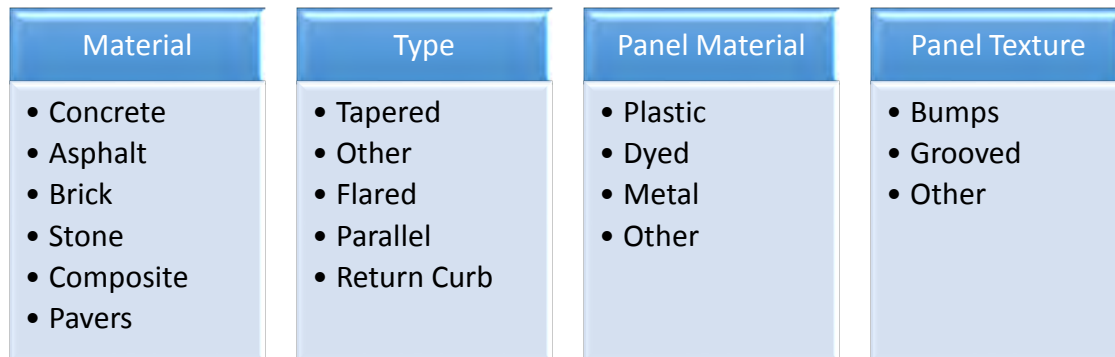
### *Data Dictionary*

The initial step in the assessment was the creation of a data dictionary which was uploaded into the GPS units to aid in the collection of field data. A data dictionary is a custom made database created to fit any individual project requirements. It simplifies the collection process and stores data in a format easy to transfer and analyze. The data dictionary for this project was built using Pathfinder Office software. Two features, a line for sidewalk segments, and a point for ramps, were created. Under each feature various attributes were added thus serving as an outline for data to be collected in the field. The line feature attributes include: sidewalk type, sidewalk material, width, condition, percent repair, and two distresses most impacting the usability of the sidewalk. Certain attributes contain several options to further detail the information for each segment. These can be viewed in Figure 2. Further information was gathered such as curb material, structural impacts caused by trees, and general maintenance issues such as excessive overgrowth or dirt and gravel build up.

Sidewalk Type	Sidewalk Material	Distress
<ul style="list-style-type: none"> <li>•Sidewalk</li> <li>•Path</li> <li>•Stairs</li> </ul>	<ul style="list-style-type: none"> <li>•Concrete (PCC)</li> <li>•Asphalt (HMA)</li> <li>•Brick (BR)</li> <li>•Stone</li> <li>•Stone Dust</li> <li>•Dirt</li> <li>•Pavers</li> <li>•Composite</li> <li>•Gravel</li> <li>•Wood</li> </ul>	<ul style="list-style-type: none"> <li>•Broken (BR)</li> <li>•Missing (BR)</li> <li>•Fractured (PCC)</li> <li>•Uneven (PCC)</li> <li>•Surface Wear (PCC)</li> <li>•Alligator Cracking (HMA)</li> <li>•Linear Cracking (HMA)</li> <li>•Potholes (HMA)</li> <li>•Distortion (All Materials)</li> </ul>

**Figure 2** *Subcategories for sidewalk attributes.*

The ramp point feature includes type, material, if the ramp had a warning strip and if so, what the panel material was. Figure 3 shows more detailed options for each attribute collected. For both features, photos were taken to help document current conditions of the infrastructure. A comment field was also included to make note of any unique abnormalities or materials to later be edited within the GIS.



**Figure 3** Subcategories for ramp attributes.

### *Data Management*

At the end of each day, data collected was transferred from the GPS units onto GPS Pathfinder software and then exported into the GIS. Once in the GIS, data features and attributes are able to be edited to fix, for example, incorrect geometry. The data were also reviewed for accuracy and completeness.

### **In-Field Procedures**

Maps were created in advance of field work to guide the routes taken by each individual assessor. A ramp point feature was typically recorded at the beginning and end of each street. In the collection of a sidewalk segment, the assessor walked along the center of a sidewalk while the GPS collected points at every 5 feet, creating the line segment. A line feature's information can be filled out before the assessor starts walking, or at the end of the segment. Overgrowth along the edges can affect the accuracy of the measurement. Therefore, the sidewalk was measured at a point that seemed most characteristic of its true width. A photo was taken at the beginning and end of each line segment and at all ramps. A new line segment was taken at every block, when the sidewalk changed material, or when the sidewalk significantly changed in width. One sidewalk, for example, stretching the length of a street could have several individual line segments based on material or width variation. Data was collected in this way so that more accurate sums of each material type could be calculated. Further, separating line segments by material aids in more accurately assigning distresses and percent repair because distresses vary based on material type.

### *Conditional Assessment*

For each line segment, up to two distresses were chosen representing what the sidewalk's most disabling characteristics to usability were. A percent repair needed to remediate problem areas was estimated based on the distresses' severity and frequency. For example, an estimation of 25% would indicate one quarter of that sidewalk as requiring repair.

Usability was the leading factor in ranking the sidewalks by condition. For example, if a segment of asphalt had several thin linear cracks not affecting usability, the condition would be considered good because usability was not being significantly impacted. Conversely, a segment having only one or two linear cracks that caused lift or significant separation would be considered fair because

of its impacts on usability. By this logic, the percent repair estimation might not always reflect the conditional ranking a segment of sidewalk was assigned. Continuing with the previous example, the sidewalk with more frequent, but thin, linear cracks, might have a higher percent repair due to the frequency of the cracks, while the sidewalk with only one linear crack and significant lift would have a much less percent repair, despite its lower conditional ranking.

## Findings

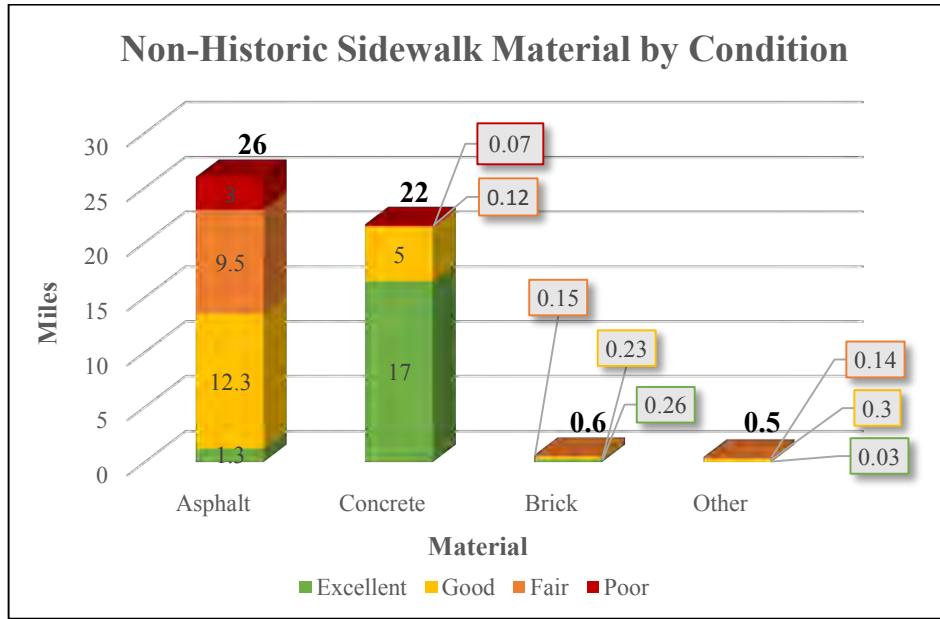
Assessors collected detailed information on 76 miles of sidewalk throughout the City, not including those within parks, fields and other City maintained facilities. Table 1 provides a breakdown of material lengths found in each area of interest.

**Table 1** Length of sidewalk materials in feet and miles

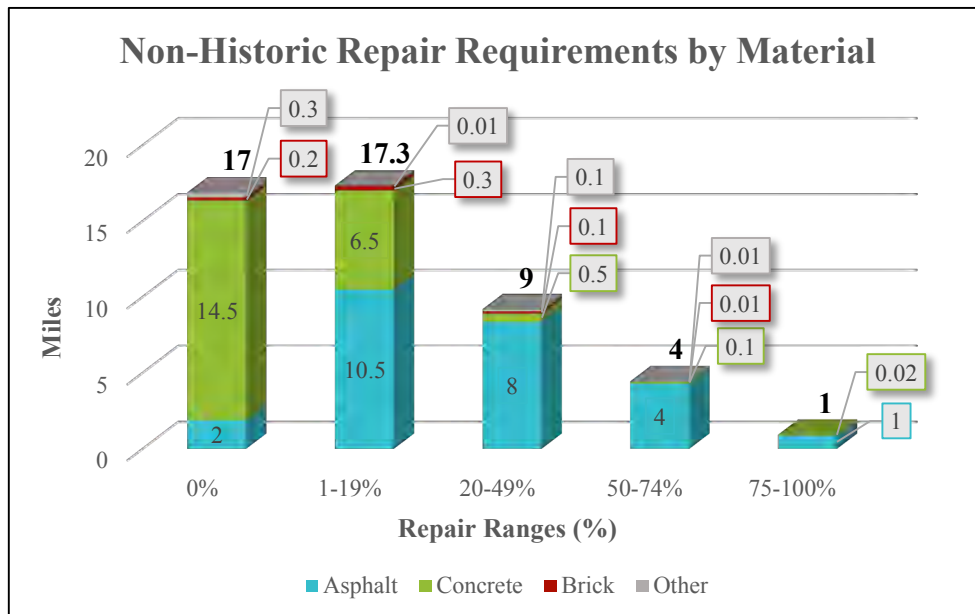
Materials	Non-Historic	Historic	Pease	Total (ft)	Total (miles)
Asphalt	137,242	15,272	28,846	152,514	29
Concrete	114,410	26,185	16,377	140,595	27
Brick	3,374	53,993	0	57,367	11
Dirt	1,124	0	3,040	1,124	0.2
Composite	715	273	0	988	0.2
Stone	45	555	0	600	0.1
Stone Dust	541	0	0	541	0.1
Pavers	39	0	0	39	0.01
<b>Total (ft)</b>	257,490	96,278	48,263	353,768	----
<b>Total (miles)</b>	49	18	9	----	76

Figures 4, 6, and 8 illustrate the total miles of each sidewalk material type within the three areas of interest. Each material type is further broken down into total miles of conditional ranking. In Figure 4, for example, asphalt makes up 26 miles of all the sidewalks in the Non-Historic section of the City, of which 12.3 miles are ranked in good condition. These graphs are useful in displaying which material types are in best and worst conditions through separating the material lengths by overall condition. Figures 5, 7, and 9 illustrate the total miles of sidewalk in each percent repair range. Each column is further broken down into miles of material type. Figure 5, for example, shows that 17 miles of all the sidewalk in the Non-Historic area of the City require no repair at all, of which 14.5 miles are concrete. These figures are helpful in displaying which section of the City, as well as what material types, requires the most repair.

Data was collected on 49 miles of sidewalk within the Non-Historic areas of the City. According to Figure 4, asphalt sidewalks, making up 26 miles of sidewalk, prevail throughout the area. The majority of which are ranked in fair or poor condition. Comparatively, concrete sidewalks, which trail behind asphalt's total by only four miles, are predominantly ranked in excellent condition. Figure 5 shows that the majority, or approximately 34 miles of sidewalk, require less than 20% repair, of which, concrete sidewalks account for 21 miles. Further, five miles of sidewalk are shown as requiring 50% repair or greater, the majority of which are made from asphalt.

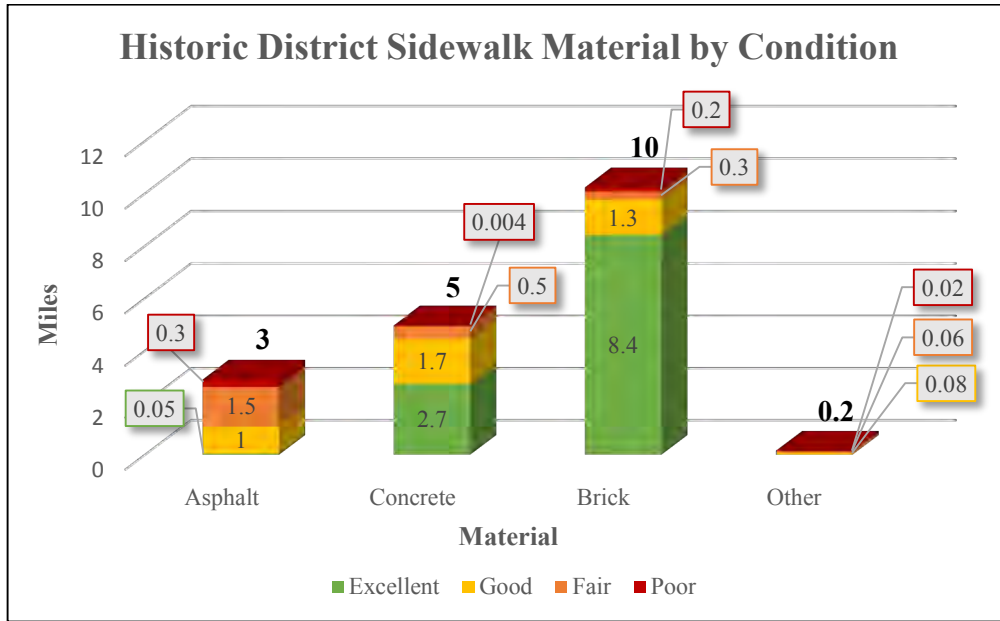


**Figure 4** Non-Historic sidewalk material by miles of conditional ranking.

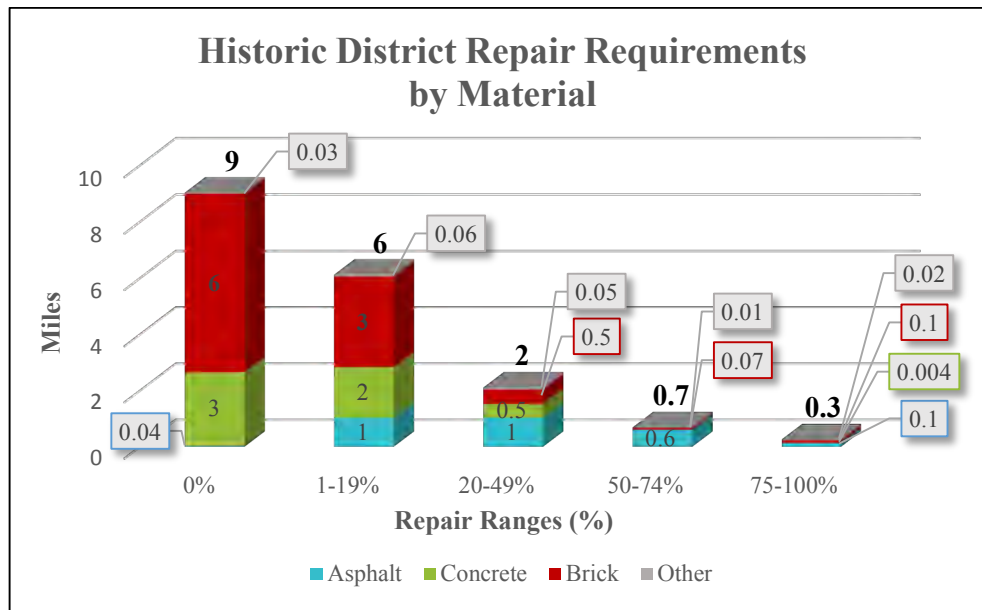


**Figure 5** Percent repair requirements for Non-Historic sidewalks by miles of material type.

A separate analysis was prepared for the 18 miles of sidewalks located within Portsmouth’s Historic District. Figure 6 illustrates that the overwhelming majority of sidewalks found in the area are brick ranked in excellent condition. Asphalt sidewalks only account for three miles of sidewalks collected in the area, of which, over half are ranked as either poor or fair. Conversely, concrete sidewalks in the Historic District, which make up five miles of the sidewalk in the area, are ranked mostly in excellent or good condition. Furthermore, Figure 7 shows nine miles of sidewalk, or half the total amount of sidewalk collected in the area, require no repair at all with brick representing the majority of the column. Sidewalks requiring 50% repair or greater accounted for only one mile of sidewalks in the area.

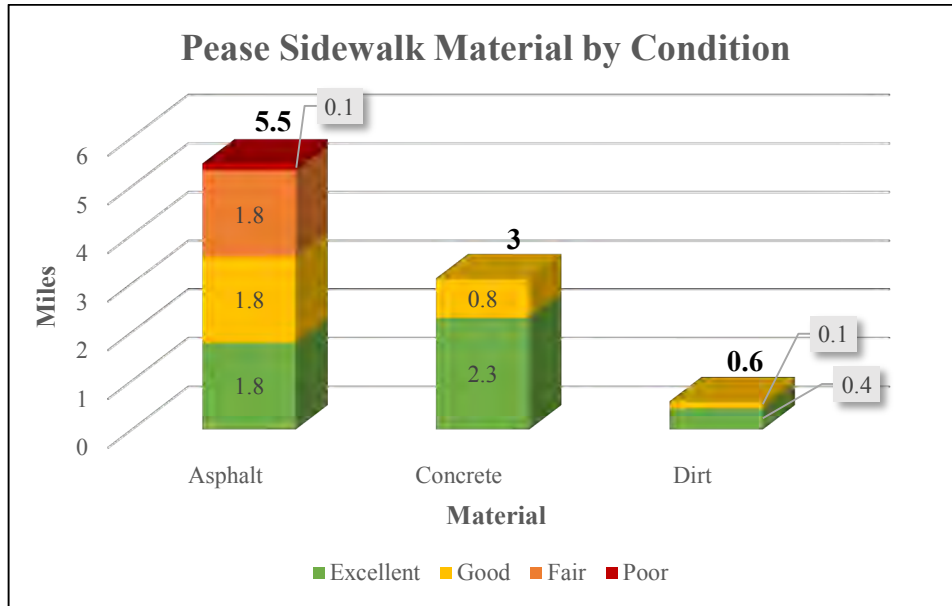


**Figure 6** Portsmouth’s Historic District sidewalk material by miles of conditional ranking

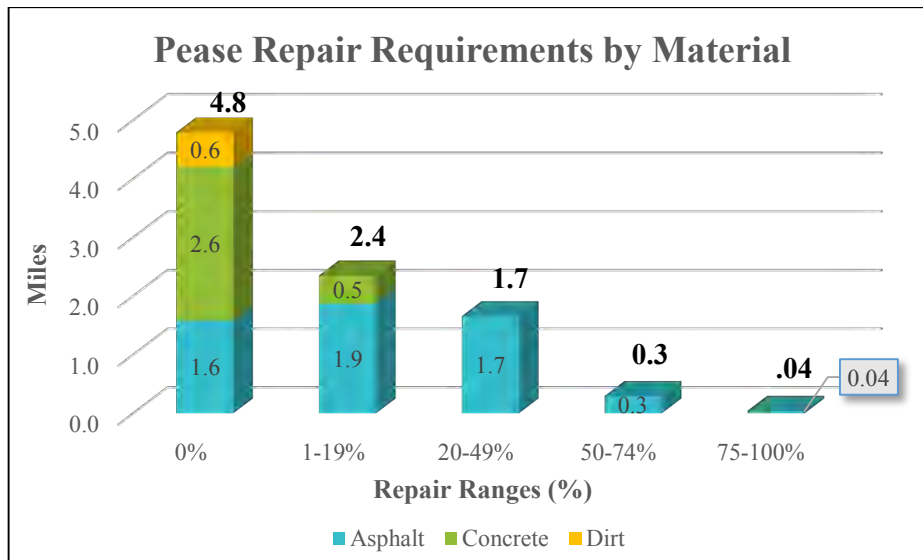


**Figure 7** Percent repair requirements for Portsmouth’s Historic District sidewalks by miles of material type.

Sidewalks within Pease International Tradeport totaled nine miles. Figure 8 illustrates that the majority of sidewalks within Pease are made of asphalt ranked in equal parts excellent, good, and fair. Of the three miles of concrete sidewalks throughout Pease, approximately three quarters are ranked in excellent condition with the remaining ranked in good condition. Repair requirements, illustrated in Figure 9, show 4.8 miles of sidewalk as requiring no repair at all, over half of which are concrete. Sidewalks requiring 50% repair or greater only surmount to .34 miles of sidewalk in the area.



**Figure 8** Pease sidewalk material by miles of conditional ranking.



**Figure 9** Pease percent repair requirements by miles of material type.

Lengths of sidewalk segments were organized by what street they were located on, their corresponding material type, and condition, as seen in Appendices A, B, and C. Appendices D, E, and F provide examples of the four conditional rankings for concrete, asphalt, and brick sidewalks.

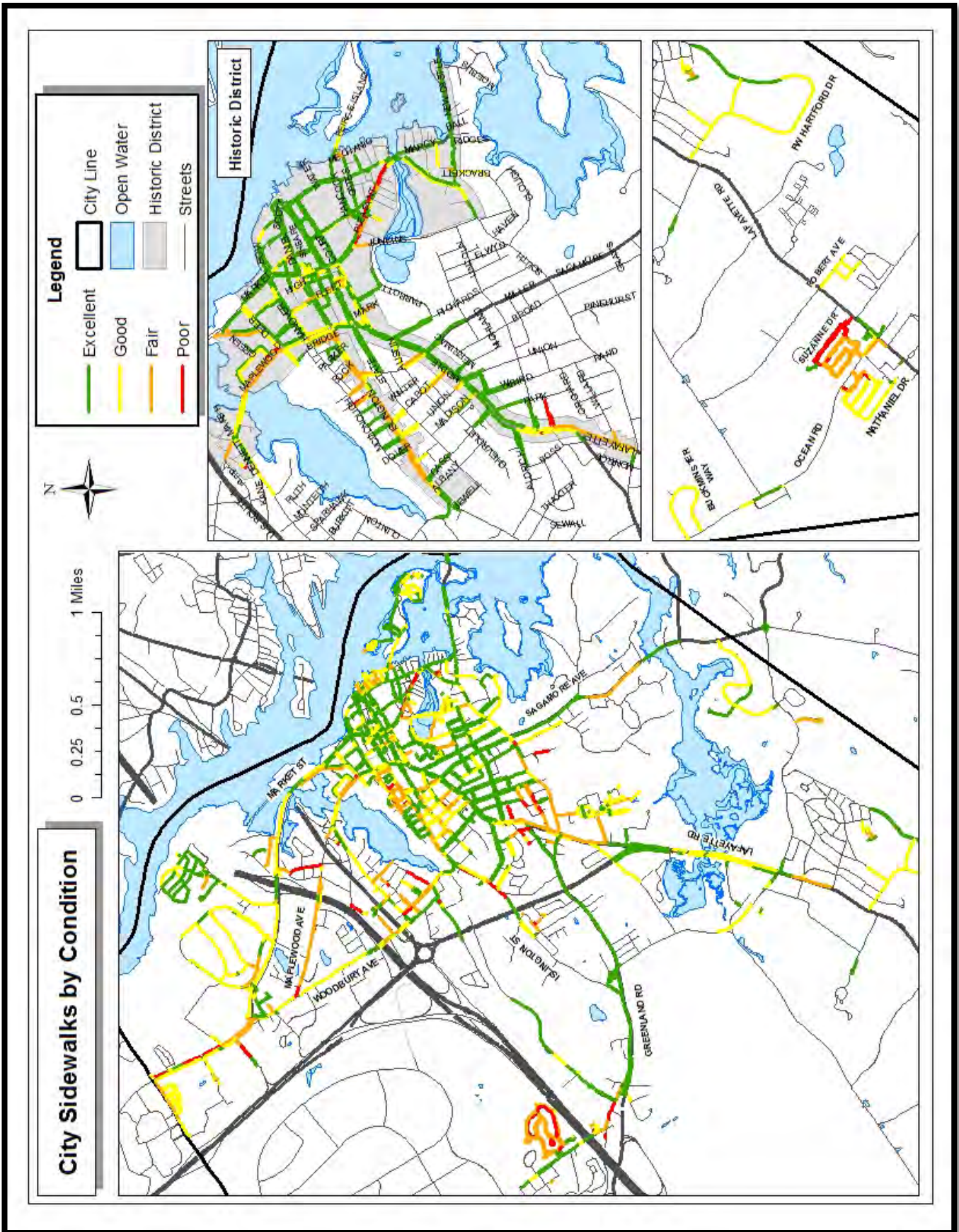


## Data Analysis

A series of maps were created in order to develop a better understanding of trends throughout the City regarding sidewalk conditions, materials, and overall usability. Separate maps were created for sidewalks within the Historic District and Pease International Tradeport. These maps provide a visual and spatial reference of areas throughout the City that have the potential to cause significant constraints on usability. Map 1 illustrates the conditional rankings of each sidewalk segment throughout the Non-Historic areas of the City, and, for those within the Historic District, outlined in grey. Although a majority of sidewalks are in excellent condition, certain areas are in need of greater attention. The majority of both Panaway Manor and Maple Haven residential areas sidewalks were consistently ranked as either poor or fair. Aside from these examples and a few other poor-rated segments, a large majority of sidewalks are in excellent or good condition. The materials of City sidewalk segments are shown in Map 2.

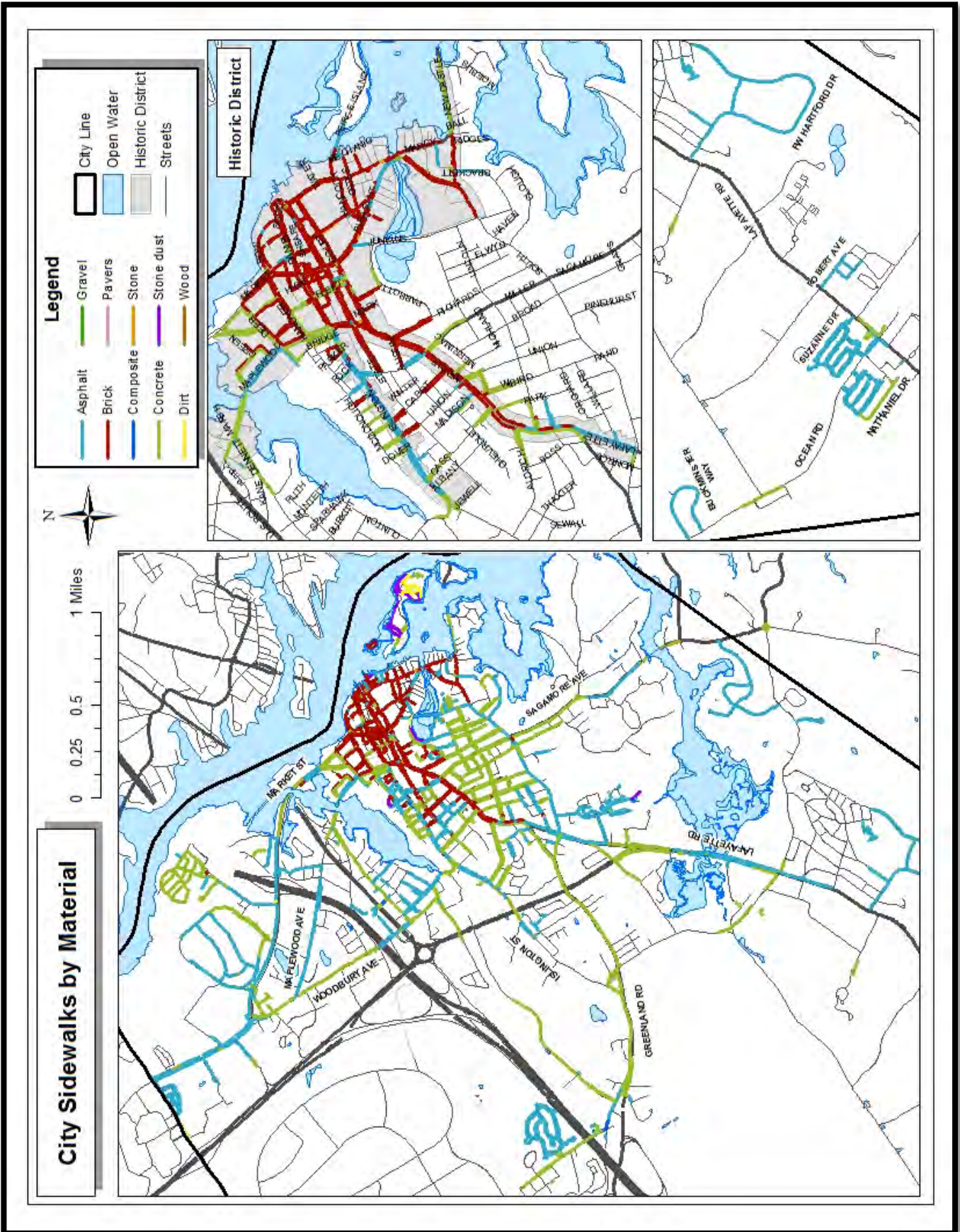
Similar to City sidewalks, the majority of Pease sidewalks were ranked as either excellent or good, as seen in Map 3, which shows sidewalk conditions and materials. Comparison of the condition and material maps for the three areas of the City show that sidewalks ranked as poor correlate with those having asphalt material. Further, sidewalks ranked in excellent condition were found to correlate with concrete or brick sidewalks.

Map 1





Map 2





# Pease International Tradeport

0 0.5 1 2 Miles

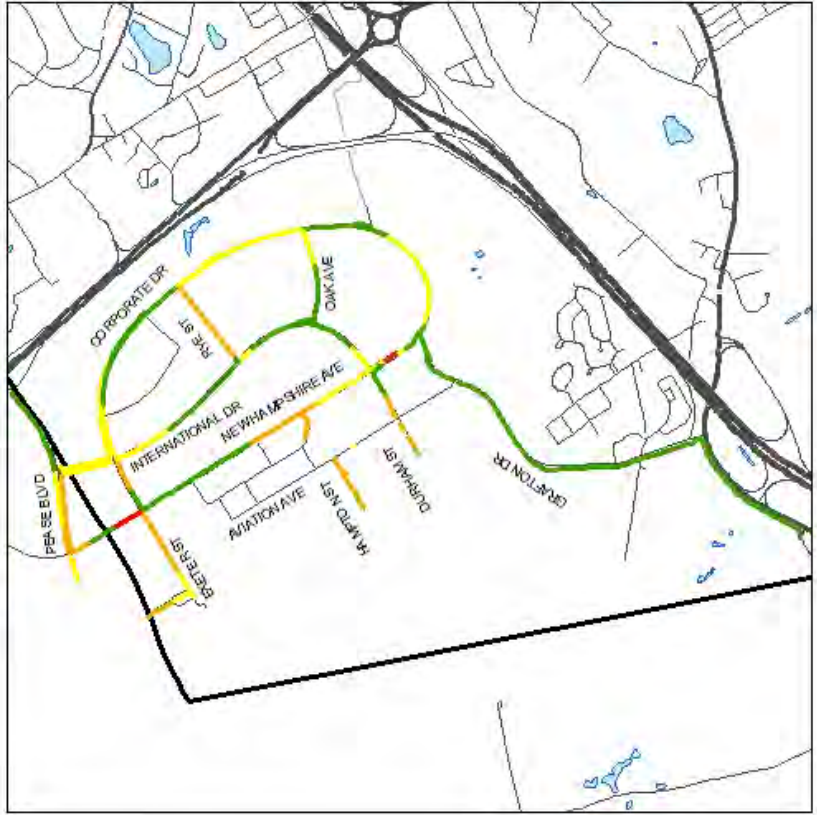
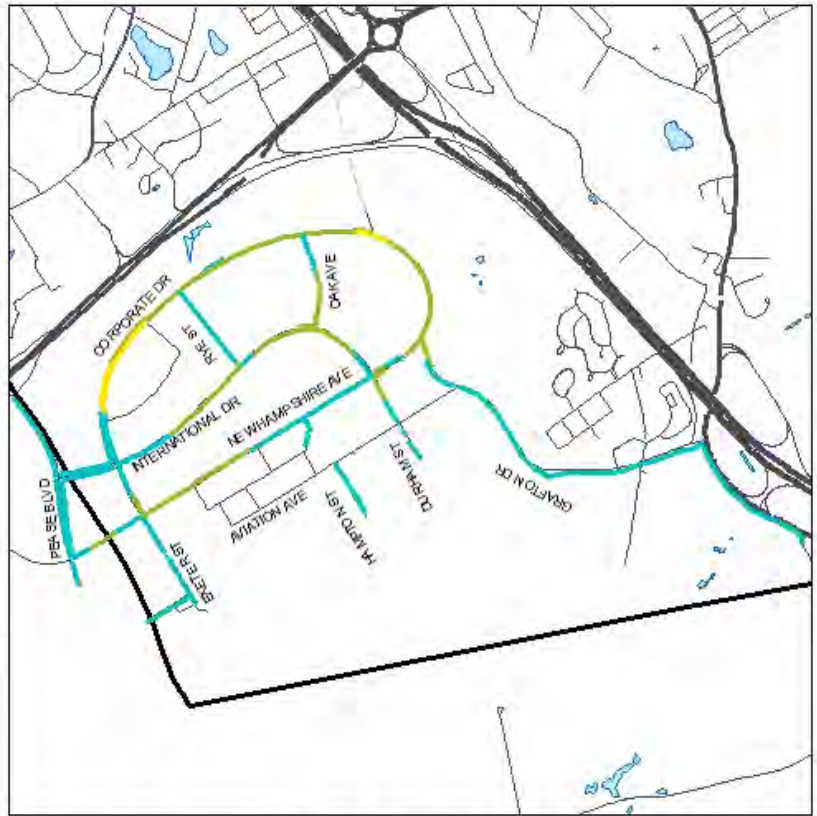


**Condition**

- Excellent (Green line)
- Good (Yellow line)
- Fair (Orange line)
- Poor (Red line)

**Material**

- Asphalt (Cyan line)
- Concrete (Light Green line)
- Dirt (Yellow line)
- City Line (Black outline)
- Open Water (Blue area)
- Streets (Thin black line)



## Budget Analysis

A budget was estimated outlining approximate costs for repairing or replacing existing sidewalks throughout the City, a summary of which can be seen in Table 2. Calculations were based on a number of factors. City policy mandates that sidewalks within the Historic District be constructed from brick while new sidewalks to be established outside the Historic District be installed as concrete. Calculations and cost estimates reflect these criteria. Estimates for the Historic District also include partial reconstruction for any brick sidewalks requiring 35% repair or less, while sidewalks requiring 40% repair or greater incorporate full replacement costs. The same criteria were used in calculating spot repair and full replacement costs for concrete sidewalks. The cost to widen sidewalks to the City standard of 5 feet was also incorporated into the budget for sidewalks already in disrepair requiring full replacement. Material and widening costs, outlined in Table 3, were used in the estimations. Calculations based on these criteria estimate it will cost the City of Portsmouth approximately \$5.7 million to repair or replace sidewalks throughout the Non-Historic and Historic District ranked poor or fair with the appropriate materials and width.

**Table 2** Repair/replacement cost estimations for sidewalks in Non-Historic and Historic areas of the City

	City	Historic	Total
Asphalt	4,157,757	880,120	5,037,877
Concrete	77,080	328,581	405,661
Brick	56,284	152,494	208,778
Composite	45,272	46,295	91,567
Stone		11,885	11,885
Pavers	2,302		2,302
<b>Total</b>	<b>4,338,695</b>	<b>1,419,375</b>	<b>5,758,070</b>

**Table 3** Material, replacement, and widening costs used in budget calculations

	Removal Costs / Sq.ft.	Widening Costs / Sq.ft.	Material Costs / Sq.ft.
Asphalt	\$2.00	\$5.00	\$6.50
Concrete	\$4.00	\$5.00	\$10.00
Brick	\$3.00	\$5.00	\$14.00
Composite	\$4.00	\$5.00	
Stone	\$3.00	\$5.00	
Pavers	\$4.00	\$5.00	

Calculations for replacement and spot repair were completed for the entire data set, where applicable. Information was placed in a pivot table using Excel Office where it can be sorted and filtered based on individual project requirements.

## **Conclusion**

The City of Portsmouth Department of Public Works created and conducted a conditional sidewalk assessment of City maintained sidewalks. The assessment provides the City with an updated GIS layer of sidewalk centerlines consisting of observed and estimated attributes. Results from the assessment showed that for each of the three areas of the City, the majority of sidewalks were ranked as either in excellent or good overall condition with a large majority of each requiring no repair. Through comparison of the condition and material maps, sidewalks ranked as poor consistently correlated with asphalt material while those ranked as excellent correlated with concrete or brick material. The budget analysis estimated it would cost the City approximately \$5.7 million to repair or replace poor and fair rated sidewalks within the Historic District and Non-Historic areas of the City. The results from the assessment give City staff a clear depiction of the overall conditions of the City's sidewalks. Data collected can also supplement future construction projects and cost analyses. Furthermore, it will help guide where work needs to, or could be done, thus aiding in infrastructure up keep.

# Appendices

## Appendix A – City Sidewalk Lengths (ft)

Street/Material	Excellent	Good	Fair	Poor	Total
<b>ALBACORE WAY</b>					<b>708</b>
concrete	708				708
<b>ALDRICH RD</b>					<b>2652</b>
concrete	2652				2652
<b>ANDREW JARVIS DR</b>					<b>799</b>
asphalt			799		799
<b>ANNE AVE</b>					<b>368</b>
asphalt		368			368
<b>ARTHUR F BRADY DR</b>					<b>920</b>
asphalt			169	479	648
concrete	273				273
<b>ASH ST</b>					<b>433</b>
concrete	433				433
<b>AUSTIN ST</b>	<b>672</b>	<b>1075</b>			<b>1950</b>
asphalt		723		202	926
brick	299				299
concrete	373	352			726
<b>BARTLETT ST</b>		<b>916</b>			<b>2880</b>
asphalt		644	1565	336	2545
concrete	64	192			256
dirt		79			79
<b>BEDFORD WAY</b>					<b>374</b>
asphalt			374		374
<b>BLUE HERON DR</b>					<b>2208</b>
asphalt		1853	355		2208
<b>BORTHWICK AVE</b>		<b>545</b>			<b>3967</b>
asphalt		106			106
concrete	3423	439			3861
<b>BOSS AVE</b>					<b>625</b>
asphalt			272		272
concrete	353				353
<b>BRACKETT RD</b>					<b>221</b>
concrete	221				221
<b>BREWERY LN</b>	<b>289</b>				<b>576</b>
asphalt	45				45
concrete	245	287			531
<b>BREWSTER ST</b>					<b>259</b>
asphalt			259		259

Street/Material	Excellent	Good	Fair	Poor	Total
<b>BRIDGE ST</b>	<b>269</b>				<b>369</b>
brick	199				199
concrete	70		100		170
<b>BRIGHAM LN</b>					<b>436</b>
concrete	436				436
<b>BROAD ST</b>					<b>3464</b>
concrete	1213	2251			3464
<b>BUCKMINSTER WAY</b>					<b>3008</b>
asphalt		3008			3008
<b>BURKITT ST</b>					<b>97</b>
asphalt		84			84
concrete	13				13
<b>CABOT ST</b>	<b>120</b>	<b>661</b>			<b>780</b>
brick	49	597			646
composite		63			63
concrete	71				71
<b>CAMPUS DR</b>					<b>434</b>
concrete	434				434
<b>CARDINAL LN</b>					<b>112</b>
asphalt	112				112
<b>CASS ST</b>					<b>1522</b>
concrete	1522				1522
<b>CHASE DR</b>					<b>874</b>
asphalt			874		874
<b>CHATHAM ST</b>		<b>326</b>			<b>326</b>
asphalt		42			42
concrete		284			284
<b>CLINTON ST</b>					<b>747</b>
asphalt			77	670	747
<b>CLOUGH DR</b>					<b>1853</b>
asphalt		1448			1448
concrete	404				404
<b>COAKLEY RD</b>					<b>217</b>
concrete	217				217
<b>COLONIAL DR</b>					<b>7337</b>
asphalt			4618	2381	6999
concrete	338				338
<b>COLUMBIA CT</b>					<b>23</b>
asphalt		23			23
<b>COLUMBIA ST</b>					<b>543</b>
asphalt		347	196		543



Street/Material	Excellent	Good	Fair	Poor	Total
<b>COMMERCE WAY</b>					<b>400</b>
asphalt		400			400
<b>CONCORD WAY</b>					<b>1252</b>
concrete	1252				1252
<b>CORNWALL ST</b>					<b>132</b>
concrete	132				132
<b>COTTAGE ST</b>	<b>1210</b>				<b>1361</b>
asphalt				84	84
concrete	1181	66			1247
dirt	29				29
<b>CRESCENT WAY</b>					<b>1094</b>
concrete	339	755			1094
<b>CUTTS ST</b>					<b>881</b>
asphalt				881	881
<b>DECATUR RD</b>					<b>1754</b>
asphalt			1754		1754
<b>DENISE ST</b>					<b>1592</b>
asphalt		1592			1592
<b>DENNETT ST</b>					<b>2419</b>
concrete	881	1538			2419
<b>DOVER ST</b>					<b>87</b>
concrete	87				87
<b>DUNLIN WAY</b>					<b>1048</b>
asphalt	466	583			1048
<b>DURGIN LN</b>					<b>748</b>
asphalt		572	176		748
<b>ECHO AVE</b>					<b>71</b>
concrete	71				71
<b>ELWYN AVE</b>					<b>2060</b>
concrete	2060				2060
<b>ELWYN RD</b>					<b>340</b>
concrete	340				340
<b>ESSEX AVE</b>					<b>96</b>
concrete	96				96
<b>FALKLAND PL</b>					<b>285</b>
concrete	20	264			285
<b>FILLMORE RD</b>					<b>313</b>
asphalt		313			313
<b>FRANKLIN DR</b>					<b>643</b>
asphalt			643		643
<b>FRENCHMAN'S LN</b>					<b>178</b>
concrete	178				178

Street/Material	Excellent	Good	Fair	Poor	Total
<b>FRIEND ST</b>					<b>131</b>
concrete	131				131
<b>FW HARTFORD DR</b>					<b>6879</b>
asphalt	2534	4345			6879
<b>GEORGES TER</b>					<b>434</b>
asphalt			434		434
<b>GOSLING RD</b>		<b>685</b>			<b>1851</b>
asphalt		126	1165		1291
dirt		559			559
<b>GOSPORT RD</b>					<b>2735</b>
asphalt	176	2559			2735
<b>GRANITE ST</b>					<b>1273</b>
asphalt		168			168
concrete	1105				1105
<b>GREENLAND RD</b>			<b>713</b>		<b>5331</b>
asphalt			483	632	1115
composite			230		230
concrete	3986				3986
<b>GREENLEAF AVE</b>					<b>1641</b>
concrete		1641			1641
<b>GREENSIDE AVE</b>					<b>89</b>
concrete			89		89
<b>GRIFFIN RD</b>					<b>211</b>
asphalt		138			138
concrete	72				72
<b>HALL CT</b>					<b>320</b>
asphalt			320		320
<b>HANOVER ST</b>		<b>666</b>			<b>1664</b>
asphalt		142	728	270	1140
concrete		479			479
stone		45			45
<b>HAVEN RD</b>					<b>1143</b>
concrete	1143				1143
<b>HAWTHORNE ST</b>	<b>496</b>				<b>496</b>
brick	82				82
concrete	414				414
<b>HIGHLAND ST</b>					<b>1273</b>
concrete	910	363			1273
<b>HOOVER DR</b>					<b>774</b>
asphalt		774			774

Street/Material	Excellent	Good	Fair	Poor	Total
<b>ISLINGTON ST</b>		<b>2204</b>		<b>1299</b>	<b>4773</b>
asphalt		2037	92	999	3128
concrete	1178	168		300	1645
<b>JOAN AVE</b>					<b>453</b>
asphalt		453			453
<b>JUNKINS AVE</b>					<b>2217</b>
asphalt		1894	323		2217
<b>KEARSARGE WAY</b>		<b>1965</b>			<b>2910</b>
asphalt		1540			1540
concrete	945	425			1370
<b>KENSINGTON RD</b>					<b>464</b>
asphalt		254			254
concrete				210	210
<b>KENT ST</b>					<b>828</b>
concrete	828				828
<b>LAFAYETTE RD</b>	<b>6204</b>				<b>13862</b>
asphalt	312	4972	2677	9	7970
concrete	5892				
<b>LANGDON ST</b>					<b>64</b>
asphalt			64		64
<b>LAUREL CT</b>					<b>941</b>
concrete	941				941
<b>LAWRENCE ST</b>					<b>329</b>
asphalt				329	329
<b>LEDGEWOOD DR</b>					<b>352</b>
concrete	352				352
<b>LINCOLN AVE</b>					<b>5649</b>
concrete	4908	741			5649
<b>LONGMEADOW RD</b>					<b>286</b>
concrete	286				286
<b>LOVELL ST</b>					<b>303</b>
concrete	303				303
<b>MADISON ST</b>					<b>375</b>
asphalt		375			375
<b>MAPLEWOOD AVE</b>				<b>373</b>	<b>4294</b>
asphalt	170	574	3178	258	4180
concrete				115	115
<b>MARCY ST</b>	<b>184</b>				<b>219</b>
brick	26				26
concrete	158	35			193
<b>MARIETTE DR</b>					<b>4835</b>
asphalt		3797	565	474	4835

Street/Material	Excellent	Good	Fair	Poor	Total
<b>MARKET ST</b>	<b>2006</b>	<b>6487</b>	<b>1006</b>		<b>9499</b>
asphalt	641	5023	807		6470
brick	54		119		173
composite		17			17
concrete	1310	1448			2758
dirt			81		81
<b>MASON AVE</b>					<b>1138</b>
asphalt			1138		1138
<b>MCDONOUGH ST</b>			<b>559</b>		<b>2082</b>
asphalt			559		559
concrete	1524				1524
<b>MELBOURNE ST</b>					<b>413</b>
asphalt			370	44	413
<b>MENDUM AVE</b>				<b>37</b>	<b>37</b>
asphalt				37	37
<b>MERRIMAC ST</b>					<b>827</b>
concrete	827				827
<b>MICHAEL SUCCI DR</b>					<b>198</b>
asphalt			198		198
<b>MIDDLE RD</b>					<b>5020</b>
concrete	5020				5020
<b>MILLER AVE</b>					<b>3125</b>
concrete	3125				3125
<b>MIRONA RD</b>	<b>385</b>				<b>385</b>
asphalt	220				220
concrete	165				165
<b>MONROE ST</b>					<b>296</b>
asphalt			255		255
concrete	40				40
<b>MYRTLE AVE</b>					<b>435</b>
asphalt				435	435
<b>NATHANIEL DR</b>					<b>1457</b>
concrete		1457			1457
<b>NEW CASTLE AVE</b>					<b>1804</b>
asphalt		123			123
concrete	1682				1682
<b>NEW HAMPSHIRE AVE</b>					<b>72</b>
asphalt			72		72
<b>OAKWOOD DR</b>					<b>940</b>
asphalt			940		940

Street/Material	Excellent	Good	Fair	Poor	Total
<b>OCEAN RD</b>		<b>893</b>			<b>2136</b>
asphalt		547	477		1024
concrete	766	346			1112
<b>ODIORNE POINT RD</b>					<b>3277</b>
asphalt	1718	1559			3277
<b>ORCHARD ST</b>		<b>78</b>			<b>580</b>
asphalt			333	169	503
brick		46			46
concrete		32			32
<b>OSPREY DR</b>					<b>1876</b>
asphalt		1876			1876
<b>PAMELA ST</b>					<b>949</b>
asphalt			949		949
<b>PARK ST</b>					<b>634</b>
concrete	634				634
<b>PARROTT AVE</b>	<b>1672</b>	<b>1966</b>	<b>780</b>		<b>4418</b>
asphalt	227	967	681		1875
brick	41				41
concrete	1403	222	99		1724
dirt		237			237
stone dust		541			541
<b>PATRICIA DR</b>					<b>27</b>
concrete		27			27
<b>PEARL ST</b>					<b>275</b>
asphalt			106	169	275
<b>PEIRCE ISLAND RD</b>					<b>786</b>
concrete	63	723			786
<b>PEVERLY HILL RD</b>					<b>1771</b>
concrete	368	1403			1771
<b>PINE ST</b>					<b>712</b>
asphalt		712			712
<b>PINEHURST RD</b>					<b>383</b>
asphalt				383	383
<b>PLAINS AVE</b>					<b>422</b>
concrete	422				422
<b>PORPOISE WAY</b>					<b>553</b>
concrete	553				553
<b>PORTSMOUTH BLVD</b>					<b>2151</b>
asphalt		2012			2012
dirt	140				140
<b>PREBLE WAY</b>					<b>426</b>
concrete	426				426

Street/Material	Excellent	Good	Fair	Poor	Total
<b>RALEIGH WAY</b>					<b>1223</b>
concrete	1223				1223
<b>RANGER WAY</b>					<b>750</b>
concrete	750				750
<b>RICCI AVE</b>					<b>388</b>
asphalt		388			388
<b>RICHARDS AVE</b>					<b>3443</b>
concrete	3443				3443
<b>ROBERT AVE</b>					<b>907</b>
asphalt		907			907
<b>ROCK ST</b>					<b>225</b>
asphalt			138	87	225
<b>ROCKINGHAM AVE</b>					<b>154</b>
concrete	154				154
<b>ROCKLAND ST</b>					<b>1922</b>
concrete	1922				1922
<b>ROGERS ST</b>					<b>155</b>
concrete	155				155
<b>RUTLAND ST</b>					<b>58</b>
asphalt			58		58
<b>RYE TRAFFIC CIRCLE - SAGAMORE AVE</b>					<b>443</b>
concrete	443				443
<b>SAGAMORE AVE</b>					<b>5291</b>
asphalt			1626		1626
concrete	3664				3664
<b>SANDERLING WAY</b>					<b>663</b>
asphalt		618			618
concrete	46				46
<b>SARATOGA WAY</b>					<b>682</b>
concrete	382	300			682
<b>SCHURMAN AVE</b>					<b>228</b>
asphalt			228		228
<b>SHEARWATER DR</b>					<b>1181</b>
asphalt		166	1014		1181
<b>SHEFFIELD RD</b>					<b>219</b>
asphalt		42	177		219
<b>SHERBURNE AVE</b>					<b>1329</b>
concrete	786	543			1329
<b>SHERBURNE RD</b>					<b>3165</b>
asphalt			300		300
composite			199		199
concrete	2404	462	101		2865

Street/Material	Excellent	Good	Fair	Poor	Total
<b>SIMONDS RD</b>					<b>1637</b>
asphalt			1469	168	1637
<b>SOUTH ST</b>		<b>1931</b>			<b>5347</b>
asphalt		1874	2476	127	4477
brick		57			57
concrete	813				813
<b>SPARHAWK ST</b>			<b>769</b>		<b>769</b>
asphalt			769		769
<b>SPINNAKER WAY</b>					<b>3325</b>
concrete	42	3283			3325
<b>SPRING ST</b>					<b>170</b>
concrete	170				170
<b>STARK ST</b>			<b>387</b>		<b>831</b>
asphalt			82		82
composite			305		305
concrete	359	85			444
<b>STATE ST</b>	<b>561</b>	<b>1339</b>	<b>885</b>		<b>2785</b>
asphalt		657	441		1098
brick	438	474	444		1356
concrete	123	208			331
<b>STAYSAIL WAY</b>		<b>197</b>			<b>764</b>
asphalt		43			43
concrete	566	154			720
<b>SUDBURY ST</b>			<b>235</b>		<b>333</b>
asphalt			105	99	203
brick			130		130
<b>SUMMER ST</b>		<b>234</b>			<b>798</b>
asphalt		221	362		583
brick		13			13
concrete	202				202
<b>SUMMIT AVE</b>					<b>553</b>
asphalt			553		553
<b>SUNSET DR</b>					<b>828</b>
asphalt		828			828
<b>SUZANNE DR</b>					<b>7309</b>
asphalt			3798	3511	7309
<b>TAFT RD</b>					<b>699</b>
asphalt		699			699
<b>TANNER ST</b>					<b>44</b>
asphalt			44		44
<b>THAXTER RD</b>					<b>1321</b>
concrete	116	1205			1321



Street/Material	Excellent	Good	Fair	Poor	Total
<b>THORNTON ST</b>					<b>1397</b>
asphalt		164	1211	21	1397
<b>TJ GAMESTER AVE</b>					<b>915</b>
asphalt		915			915
<b>UNION ST</b>	<b>2491</b>		<b>877</b>		<b>3887</b>
asphalt		519	809		1328
brick	135		68		203
concrete	2355				2355
<b>VICTORY RD</b>					<b>125</b>
asphalt		73	52		125
<b>WALLIS RD</b>					<b>1504</b>
asphalt			1504		1504
<b>WARD PL</b>					<b>24</b>
concrete	24				24
<b>WEALD RD</b>					<b>655</b>
asphalt		655			655
<b>WEDGEWOOD RD</b>					<b>2635</b>
asphalt		2635			2635
<b>WHIPPLE CT</b>					<b>432</b>
asphalt				432	432
<b>WIBIRD ST</b>	<b>2454</b>				<b>2454</b>
brick	57				57
concrete	2397				2397
<b>WILLARD AVE</b>			<b>1354</b>		<b>1801</b>
asphalt			1177	448	1625
brick			45		45
concrete			92		92
pavers			39		39
<b>WILSON RD</b>					<b>93</b>
asphalt		93			93
<b>WINCHESTER ST</b>					<b>157</b>
concrete	157				157
<b>WINSOR RD</b>					<b>660</b>
asphalt		660			660
<b>WINTER ST</b>					<b>332</b>
concrete		332			332
<b>WOODBURY AVE</b>		<b>7052</b>			<b>14040</b>
asphalt		3401	2872	1548	7821
concrete	2569	3651			6220
<b>WORTHEN RD</b>					<b>99</b>
asphalt		99			99
<b>Grand Total</b>	<b>95,417</b>	<b>93,617</b>	<b>52,150</b>	<b>16,306</b>	<b>257,490</b>

## Appendix B – Pease Sidewalk Lengths (ft)

Street/Material	Excellent	Good	Fair	Poor	Total
<b>AIRLINE AVE</b>					<b>745</b>
asphalt		280	465		745
<b>AVIATION AVE</b>					<b>24</b>
concrete		24			24
<b>CORPORATE DR</b>	<b>5773</b>	<b>6966</b>			<b>12969</b>
asphalt		2032		230	2262
concrete	3459	4209			7667
dirt	2315	725			3040
<b>DURHAM ST</b>					<b>1274</b>
asphalt			824		824
concrete	450				450
<b>EXETER ST</b>					<b>1550</b>
asphalt		493	1057		1550
<b>GRAFTON DR</b>	<b>8346</b>				<b>8346</b>
asphalt	7868				7868
concrete	478				478
<b>HAMPTON ST</b>					<b>1032</b>
asphalt			1032		1032
<b>INTERNATIONAL DR</b>					<b>7366</b>
asphalt		3553			3553
concrete	3813				3813
<b>MANCHESTER SQ</b>					<b>916</b>
asphalt			518		518
concrete	398				398
<b>NEW HAMPSHIRE AVE</b>					<b>5750</b>
asphalt		1068	1628	505	3201
concrete	2549				2549
<b>OAK AVE</b>					<b>1589</b>
asphalt		654			654
concrete	935				935
<b>PEASE BLVD</b>		<b>1279</b>			<b>4622</b>
asphalt	1541	1253	1802		4597
concrete		25			25
<b>ROCHESTER AVE</b>					<b>485</b>
asphalt			485		485
<b>RYE ST</b>					<b>1596</b>
asphalt			1559		1559
concrete	37				37
<b>Grand Total</b>	<b>23,842</b>	<b>14,317</b>	<b>9,370</b>	<b>735</b>	<b>48,264</b>

## Appendix C – Historic District Sidewalk Lengths (ft)

Street/Material	Excellent	Good	Fair	Poor	Total
<b>ALDRICH RD</b>					<b>938</b>
concrete	938				938
<b>ATKINSON ST</b>					<b>302</b>
brick	302				302
<b>AUSTIN ST</b>					<b>505</b>
brick	63	442			505
<b>BARTLETT ST</b>					<b>365</b>
concrete	365				365
<b>BOW ST</b>	<b>1121</b>	<b>257</b>			<b>1378</b>
asphalt		73			73
brick	1105	184			1289
concrete	16				16
<b>BRACKETT RD</b>					<b>550</b>
asphalt		550			550
<b>BREWSTER ST</b>					<b>474</b>
asphalt			474		474
<b>BRIDGE ST</b>					<b>1104</b>
concrete	99	332	672		1104
<b>CABOT ST</b>					<b>2111</b>
brick		1011	484		1495
concrete	616				616
<b>CASS ST</b>					<b>1254</b>
concrete	1254				1254
<b>CERES ST</b>	<b>372</b>				<b>372</b>
brick	303				303
concrete	69				69
<b>CHAPEL ST</b>					<b>426</b>
brick	426				426
<b>CHAUNCEY ST</b>					<b>577</b>
concrete	577				577
<b>CHESTNUT ST</b>					<b>315</b>
brick	315				315
<b>CHURCH ST</b>					<b>363</b>
brick	335	28			363
<b>COLUMBIA ST</b>					<b>221</b>
asphalt		221			221
<b>COMMERCIAL ALY</b>					<b>193</b>
brick	193				193
<b>CONGRESS ST</b>					<b>1498</b>
brick	1498				1498

Street/Material	Excellent	Good	Fair	Poor	Total
<b>CORNWALL ST</b>					<b>309</b>
concrete	309				309
<b>COURT PL</b>					<b>302</b>
asphalt		152			152
concrete			150		150
<b>COURT ST</b>		<b>1203</b>			<b>4068</b>
brick	2864	958			3823
concrete		245			245
<b>DANIEL ST</b>	<b>1668</b>				<b>1873</b>
brick	1620				1620
concrete	48	205			252
<b>DEER ST</b>		<b>1679</b>			<b>2283</b>
asphalt		325			325
brick	603	125			729
concrete		1229			1229
<b>DENNETT ST</b>					<b>1434</b>
concrete	337	1097			1434
<b>DOVER ST</b>					<b>340</b>
concrete	340				340
<b>DUTTON AVE</b>	<b>396</b>				<b>396</b>
brick	369				369
concrete	28				28
<b>FLEET ST</b>		<b>746</b>	<b>592</b>		<b>1511</b>
asphalt		36			36
brick	173	37	93		303
concrete		673	473		1146
stone			27		27
<b>GARDNER ST</b>					<b>283</b>
brick	283				283
<b>GATES ST</b>					<b>932</b>
brick	932				932
<b>GREEN ST</b>					<b>170</b>
brick	170				170
<b>HANCOCK ST</b>					<b>1130</b>
brick	1130				1130
<b>HANOVER ST</b>		<b>715</b>			<b>2210</b>
brick	1402	157			1559
concrete		558	93		651
<b>HIGH ST</b>		<b>702</b>			<b>1195</b>
brick	493	349			841
concrete		353			353
<b>HIGHLAND ST</b>					<b>402</b>
concrete	402				402

Street/Material	Excellent	Good	Fair	Poor	Total
<b>HUMPHREY'S CT</b>					<b>400</b>
asphalt		339			339
concrete			61		61
<b>ISLINGTON ST</b>	<b>997</b>	<b>1225</b>	<b>3563</b>		<b>5785</b>
asphalt	200	860	3236		4296
brick	194	35	53		282
composite			273		273
concrete	604	330			934
<b>JUNKINS AVE</b>					<b>257</b>
asphalt			257		257
<b>LADD ST</b>					<b>432</b>
brick	432				432
<b>LAFAYETTE RD</b>					<b>1357</b>
asphalt		351	1005		1357
<b>LANGDON ST</b>			<b>286</b>		<b>618</b>
asphalt		101	79		181
brick			207	231	438
<b>LINCOLN AVE</b>	<b>652</b>				<b>652</b>
brick	41				41
concrete	611				611
<b>LIVERMORE ST</b>					<b>224</b>
asphalt				35	35
brick	56	133			189
<b>MADISON ST</b>	<b>332</b>				<b>859</b>
asphalt		488			488
brick	67		38		105
concrete	265				265
<b>MANNING ST</b>					<b>45</b>
brick	45				45
<b>MAPLEWOOD AVE</b>	<b>601</b>	<b>2248</b>	<b>1834</b>		<b>4803</b>
asphalt		44	1530	120	1694
brick	373				373
concrete	228	2204	303		2735
<b>MARCY ST</b>	<b>3204</b>	<b>227</b>			<b>3431</b>
asphalt		161			161
brick	3127				3127
concrete	76				76
stone		65			65
<b>MARK ST</b>					<b>219</b>
brick			219		219
<b>MARKET SQ</b>					<b>318</b>
brick	106	211			318

Street/Material	Excellent	Good	Fair	Poor	Total
<b>MARKET ST</b>	<b>2429</b>				<b>2429</b>
brick	1988				1988
concrete	441				441
<b>MECHANIC ST</b>					<b>470</b>
asphalt			157		157
brick	312				312
<b>MENDUM AVE</b>					<b>667</b>
asphalt				667	667
<b>MIDDLE RD</b>					<b>150</b>
concrete	150				150
<b>MIDDLE ST</b>		<b>1648</b>	<b>274</b>		<b>8080</b>
asphalt		179	95	44	318
brick	6113	497	179		6789
concrete		905			905
stone		67			67
<b>MILLER AVE</b>					<b>1134</b>
concrete	1134				1134
<b>NEW CASTLE AVE</b>	<b>2184</b>				<b>2184</b>
brick	932				932
concrete	1252				1252
<b>PARK ST</b>					<b>553</b>
concrete	553				553
<b>PARKER ST</b>					<b>186</b>
brick	186				186
<b>PARROTT AVE</b>					<b>310</b>
concrete	310				310
<b>PEIRCE ISLAND RD</b>					<b>657</b>
asphalt		483			483
brick	175				175
<b>PENHALLOW ST</b>		<b>346</b>			<b>1104</b>
asphalt		221	91		311
brick	667	125			792
<b>PLEASANT ST</b>		<b>1038</b>	<b>418</b>	<b>1199</b>	<b>4526</b>
asphalt		140	84	523	747
brick	1871	864	284	588	3608
concrete		34	50		84
stone				88	88
<b>PORTER ST</b>					<b>891</b>
brick	823		68		891
<b>PORTWALK PL</b>					<b>821</b>
brick	821				821
<b>PROSPECT ST</b>					<b>102</b>
asphalt		102			102

Street/Material	Excellent	Good	Fair	Poor	Total
<b>RAYNES AVE</b>					<b>390</b>
concrete	173	217			390
<b>RICHARDS AVE</b>					<b>1359</b>
brick	1359				1359
<b>ROCK ST</b>					<b>237</b>
asphalt			237		237
<b>ROCKINGHAM AVE</b>					<b>307</b>
concrete	307				307
<b>ROGERS ST</b>					<b>708</b>
brick	708				708
<b>RUSSELL ST</b>					<b>1263</b>
concrete	471		792		1263
<b>SALEM ST</b>					<b>590</b>
concrete	590				590
<b>SCOTT AVE</b>	<b>223</b>				<b>223</b>
brick	200				200
concrete	22				22
<b>SOUTH MILL ST</b>					<b>32</b>
brick	32				32
<b>SOUTH SCHOOL ST</b>					<b>105</b>
brick	43				43
concrete		61			61
<b>SOUTH ST</b>	<b>1315</b>				<b>2500</b>
brick	1127	1185			2312
concrete	188				188
<b>STATE ST</b>	<b>5847</b>				<b>5856</b>
asphalt	72	9			81
brick	5734				5734
concrete	41				41
<b>SUMMER ST</b>					<b>1170</b>
asphalt		652	480		1132
brick	38				38
<b>TANNER CT</b>					<b>171</b>
brick	171				171
<b>TANNER ST</b>					<b>194</b>
brick	194				194
<b>UNION ST</b>					<b>1519</b>
asphalt			145		145
brick		740			740
concrete	635				635

Street/Material	Excellent	Good	Fair	Poor	Total
<b>VAUGHAN ST</b>					<b>1240</b>
brick	609				609
concrete		631			631
<b>WALKER ST</b>					<b>23</b>
concrete				23	23
<b>WASHINGTON ST</b>					<b>1616</b>
asphalt			81		81
brick	1227				1227
stone		308			308
<b>WIBIRD ST</b>	<b>1158</b>				<b>1158</b>
brick	113				113
concrete	1045				1045
<b>WILLARD AVE</b>					<b>171</b>
asphalt			171		171
<b>Grand Total</b>	<b>59,233</b>	<b>22,083</b>	<b>12,644</b>	<b>2,319</b>	<b>96,279</b>



**Appendix D – Concrete Conditional Ranking Examples**



**Excellent**



**Good**



**Fair**



**Poor**



**Appendix E– Asphalt Conditional Ranking Examples**



**Excellent**



**Good**



**Fair**



**Poor**



**Appendix F – Brick Conditional Ranking Examples**



**Excellent**



**Good**

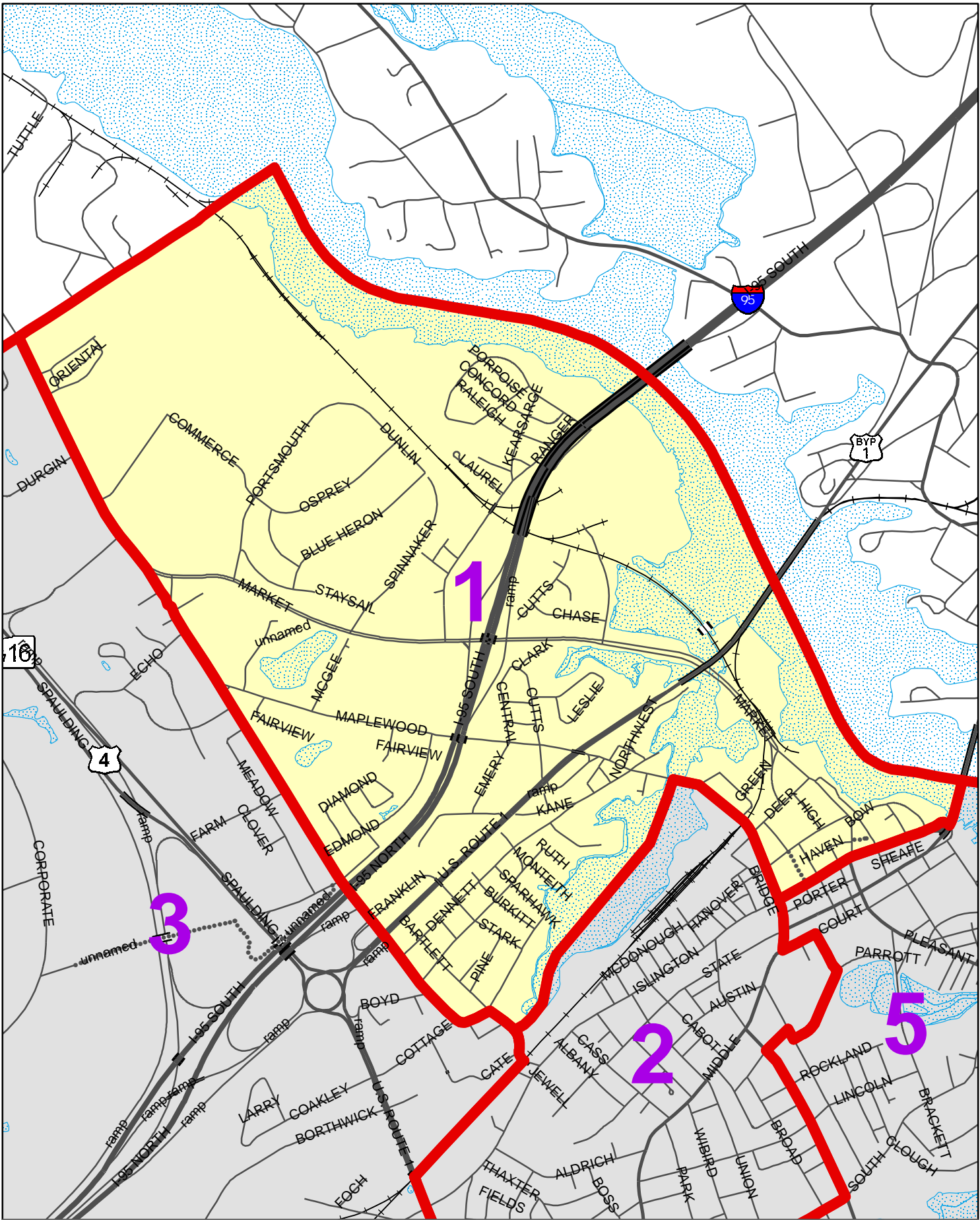


**Fair**



**Poor**

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0 0.25 Miles  
 1 inch = 1,500 feet

# Ward 1

12/15/2015

Map prepared by Portsmouth Department of Public Works

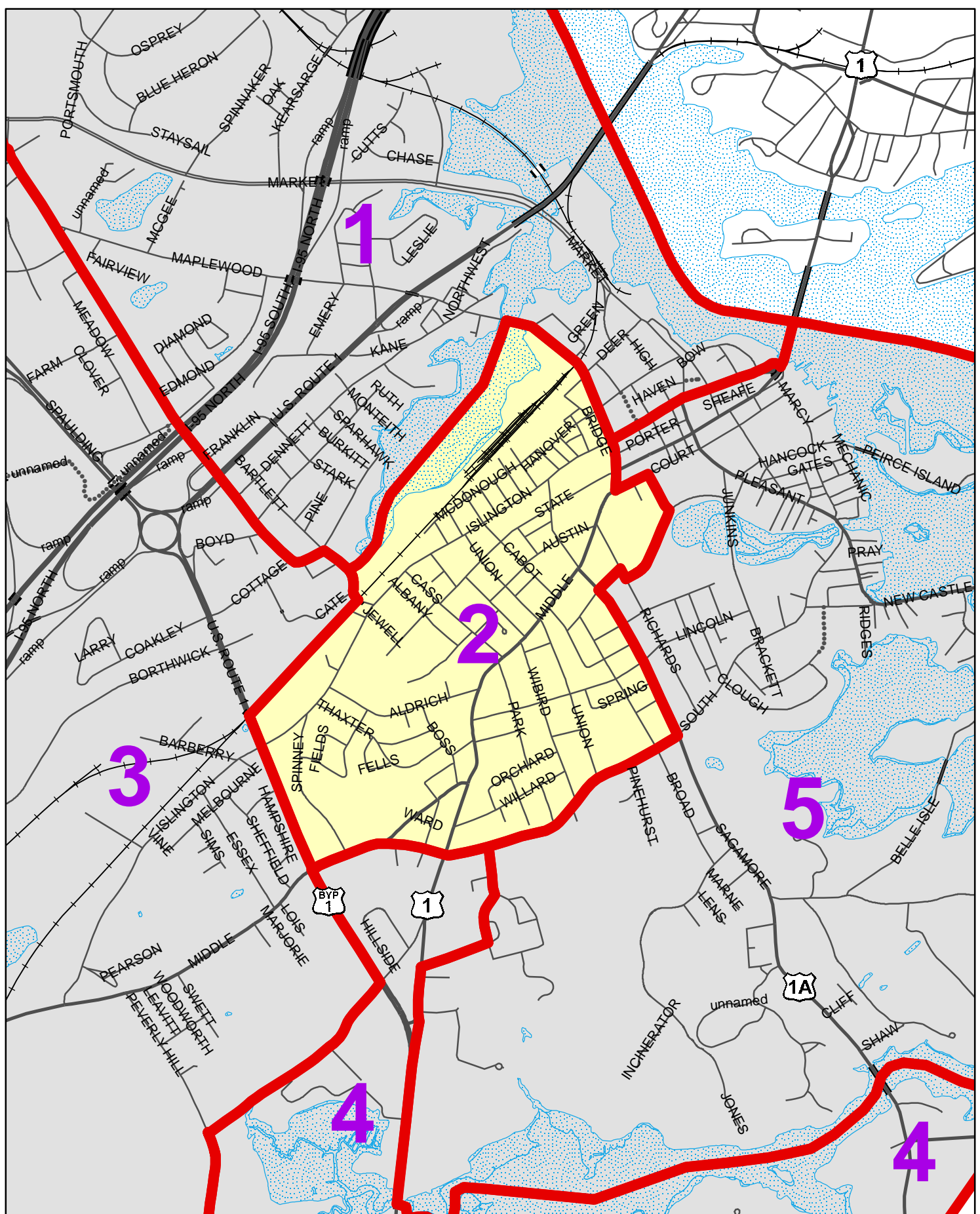
## WARD 1 STREETS

ALBACORE WAY  
ALDER WAY  
ASHLAND ST  
BARTLETT ST  
BEDFORD WAY  
BEECHWOOD ST  
BIRCH ST  
BLUE HERON DR  
BOW ST  
BRIGHAM LN  
BURKITT ST  
CENTRAL AVE  
CERES ST  
CHAPEL CT  
CHAPEL ST  
CHASE DR  
CLARK DR  
CLINTON ST  
COMMERCE WAY  
COMMERCIAL ALY  
CONCORD WAY  
CONGRESS ST  
CRESCENT WAY  
CUTTS AVE  
CUTTS ST  
DANIEL ST  
DEARBORN LN  
DEARBORN ST  
DEER ST  
DENNETT ST  
DIAMOND DR  
DUNLIN WAY  
EDMOND AVE  
EMERY ST  
FAIRVIEW AVE  
FAIRVIEW DR  
FALKLAND PL  
FLEET ST  
FOREST ST  
FRANKLIN DR  
GOSLING RD  
GRANITE ST  
GREEN ST  
HANOVER ST  
HAVEN CT  
HIGH ST

HUNTERS HILL AVE  
I-95 NORTH  
I-95 SOUTH  
JACKSON HILL ST  
KANE ST  
KEARSARGE WAY  
LADD ST  
LAUREL CT  
LESLIE DR  
MANGROVE ST  
MAPLEWOOD AVE  
MARKET SQ  
MARKET ST  
MARSH LN  
MCGEE DR  
MEREDITH WAY  
MICHAEL SUCCI DR  
MILL POND WAY  
MONTEITH ST  
MYRTLE AVE  
NORTH SCHOOL ST  
NORTHWEST ST  
OAK ST  
O'LEARY PL  
ONYX LN  
OPAL AVE  
ORANGE ST  
ORIENTAL GDNS  
OSPREY DR  
PENHALLOW ST  
PINE ST  
PORPOISE WAY  
PORTSMOUTH BLVD  
PORTWALK PL  
PREBLE WAY  
PROSPECT ST  
RALEIGH WAY  
RANGER WAY  
RAYNES AVE  
ROCKINGHAM AVE  
RUBY RD  
RUSSELL ST  
RUTH ST  
SANDERLING WAY  
SAPPHIRE ST  
SARATOGA WAY

SHEARWATER DR  
SPARHAWK ST  
SPINNAKER WAY  
STARK ST  
STAYSAIL WAY  
THORNTON ST  
TOPAZ PL  
U.S. ROUTE 1 BYP  
VAUGHAN MALL  
VAUGHAN ST  
WALKER ST  
WHIPPLE ST  
WOODBURY AVE





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0 0.25 Miles  
 1 inch = 1,500 feet

# Ward 2

12/15/2015

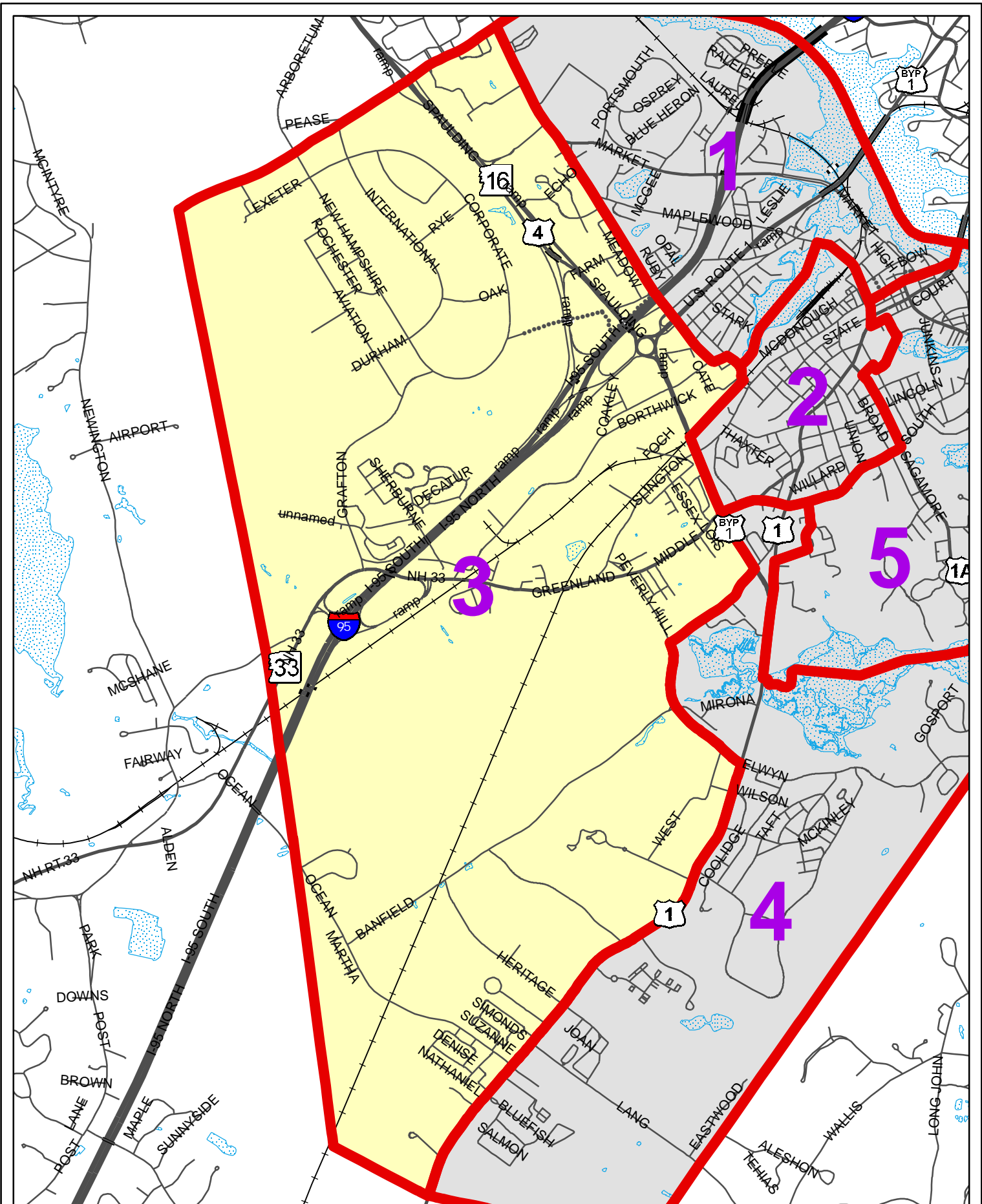
Map prepared by Portsmouth Department of Public Works

## WARD 2 STREETS

ALBANY ST  
ALDRICH CT  
ALDRICH RD  
ASH ST  
AUSTIN ST  
AUTUMN ST  
BARTLETT ST  
BERSUM LN  
BOSS AVE  
BREWER LN  
BREWSTER ST  
BRIDGE ST  
BROAD ST  
CABOT ST  
CASS ST  
CHATHAM ST  
CHAUNCEY ST  
CHEVROLET AVE  
COFFIN'S CT  
COLUMBIA CT  
COLUMBIA ST  
CORNWALL ST  
COURT ST  
DEER ST  
DOVER ST  
ELM CT  
FELLS RD  
FIELDS RD  
FRENCHMAN'S LN  
FRIEND ST  
HANOVER ST  
HAWTHORNE ST  
HIGHLAND ST  
HILL ST  
ISLINGTON ST  
JEWELL CT  
JOFFRE TER  
KENSINGTON RD  
LAFAYETTE RD  
LANGDON ST  
LAWRENCE ST  
LINCOLN AVE  
LOVELL ST  
MADISON ST  
MAPLEWOOD AVE  
MARK ST

MARSTON AVE  
MCDONOUGH ST  
MENDUM AVE  
MERRIMAC ST  
MIDDLE RD  
MIDDLE ST  
MILLER AVE  
MONROE ST  
OLD PARISH WAY  
ORCHARD CT  
ORCHARD ST  
PARK ST  
PARKER ST  
PARROTT AVE  
PEARL ST  
RICHARDS AVE  
ROCK ST  
ROCKINGHAM ST  
ROCKLAND ST  
ROGERS ST  
SALEM ST  
SEWALL RD  
SOUTH ST  
SPINNEY RD  
SPRING ST  
STATE ST  
SUDBURY ST  
SUMMER ST  
SUNSET RD  
TANNER CT  
TANNER ST  
THAXTER RD  
U.S. ROUTE 1 BYP  
UNION ST  
WARD PL  
WIBIRD ST  
WILLARD AVE  
WILLOW LN  
WINTER ST





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0 0.25 Miles

1 inch = 3,000 feet

# Ward 3

12/15/2015

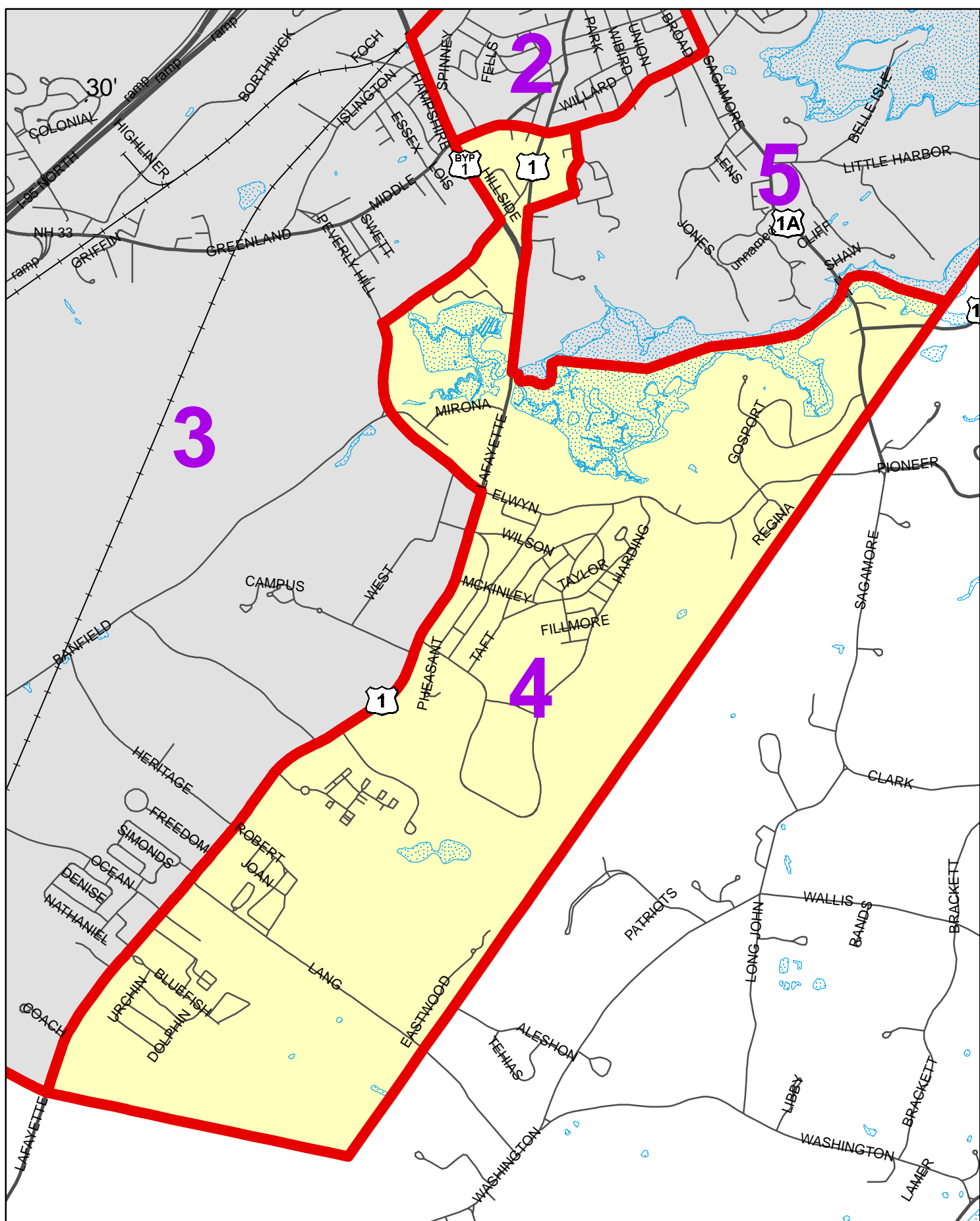
Map prepared by Portsmouth Department of Public Works

## WARD 3 STREETS

AIRLINE AVE  
ARTHUR F BRADY DR  
ASHLAND RD  
AVIATION AVE  
BANFIELD RD  
BARBERRY LN  
BARTLETT ST  
BENSON ST  
BORTHWICK AVE  
BOYD RD  
BUCKMINSTER WAY  
BURGHART ST  
BUS TRANSPORTATION CTR  
CAMPUS DR  
CARDINAL LN  
CATE ST  
CENTRE ST  
CLOVER LN  
COACH RD  
COAKLEY RD  
COLONIAL DR  
CONSTITUTION AVE  
CORPORATE DR  
COTTAGE ST  
COUNTRY CLUB RD  
DAVIS RD  
DECATUR RD  
DENISE ST  
DODGE AVE  
DORIS AVE  
DURGIN LN  
DURHAM ST  
ECHO AVE  
ESSEX AVE  
EXETER ST  
FARM LN  
FLETCHER ST  
FOCH AVE  
FREEDOM CIR  
GARDEN ST  
GEORGES TER  
GOOSE BAY DR  
GOSLING RD  
GRAFTON DR  
GREENLAND RD  
GREENLEAF AVE

GREENSIDE AVE  
GRIFFIN RD  
HALL CT  
HAMPSHIRE RD  
HAMPTON ST  
HARVARD ST  
HEATHER LN  
HERITAGE AVE  
HIGHLINER AVE  
HILLCREST DR  
HODGDON LN  
HOLLY LN  
I-95 NORTH  
I-95 SOUTH  
INTERNATIONAL DR  
ISLINGTON ST  
LAFAYETTE RD  
LARRY LN  
LEAVITT AVE  
LEE ST  
LOIS ST  
LONGMEADOW LN  
MANCHESTER SQ  
MANOR DR  
MAPLE ST  
MARIETTE DR  
MARJORIE ST  
MARTHA TER  
MASON AVE  
MCCLINTOCK AVE  
MEADOW RD  
MELBOURNE ST  
MIDDLE RD  
MOFFAT ST  
MORNING ST  
NATHANIEL DR  
NEW HAMPSHIRE AVE  
NEWFIELDS ST  
NH 33  
OAK AVE  
OCEAN RD  
OXFORD AVE  
PAMELA ST  
PARK & RIDE  
PATRICIA DR  
PEARSON ST

PEASE BLVD  
PEVERLY HILL RD  
PLAINS AVE  
PORTSMOUTH TRAFFIC CIR  
POST RD  
PRINCETON ST  
ROCHESTER AVE  
ROCKINGHAM AVE  
RUTLAND ST  
RYE ST  
SCHURMAN AVE  
SHEFFIELD RD  
SHERBURNE RD  
SIMONDS RD  
SIMS AVE  
SNUG HARBOR AVE  
SOMERSWORTH ST  
SPAULDING TPKE  
STRATHAM ST  
SUTTON AVE  
SUZANNE DR  
SWETT AVE  
SYLVESTER ST  
U.S. ROUTE 1 BYP  
VICTORY RD  
VINE ST  
WALLIS RD  
WBBX RD  
WEALD RD  
WEATHERSTONE RD  
WEDGEWOOD RD  
WEST RD  
WHIPPLE CT  
WHOLEY WAY  
WINCHESTER ST  
WINSOR RD  
WITMER AVE  
WOODBURY AVE  
WOODLAWN CIR  
WOODWORTH AVE  
WORTHEN RD



The City of Portsmouth provides these Geographic Information System maps and data as a public information service. Every reasonable effort has been made to assure the accuracy of these maps and associated data. The maps and data being provided herein are intended for informational purposes only. No guarantee is made as to the accuracy of the maps and data and they should not be relied upon for any purpose other than general information.

0 0.25 Miles

1 inch = 2,200 feet

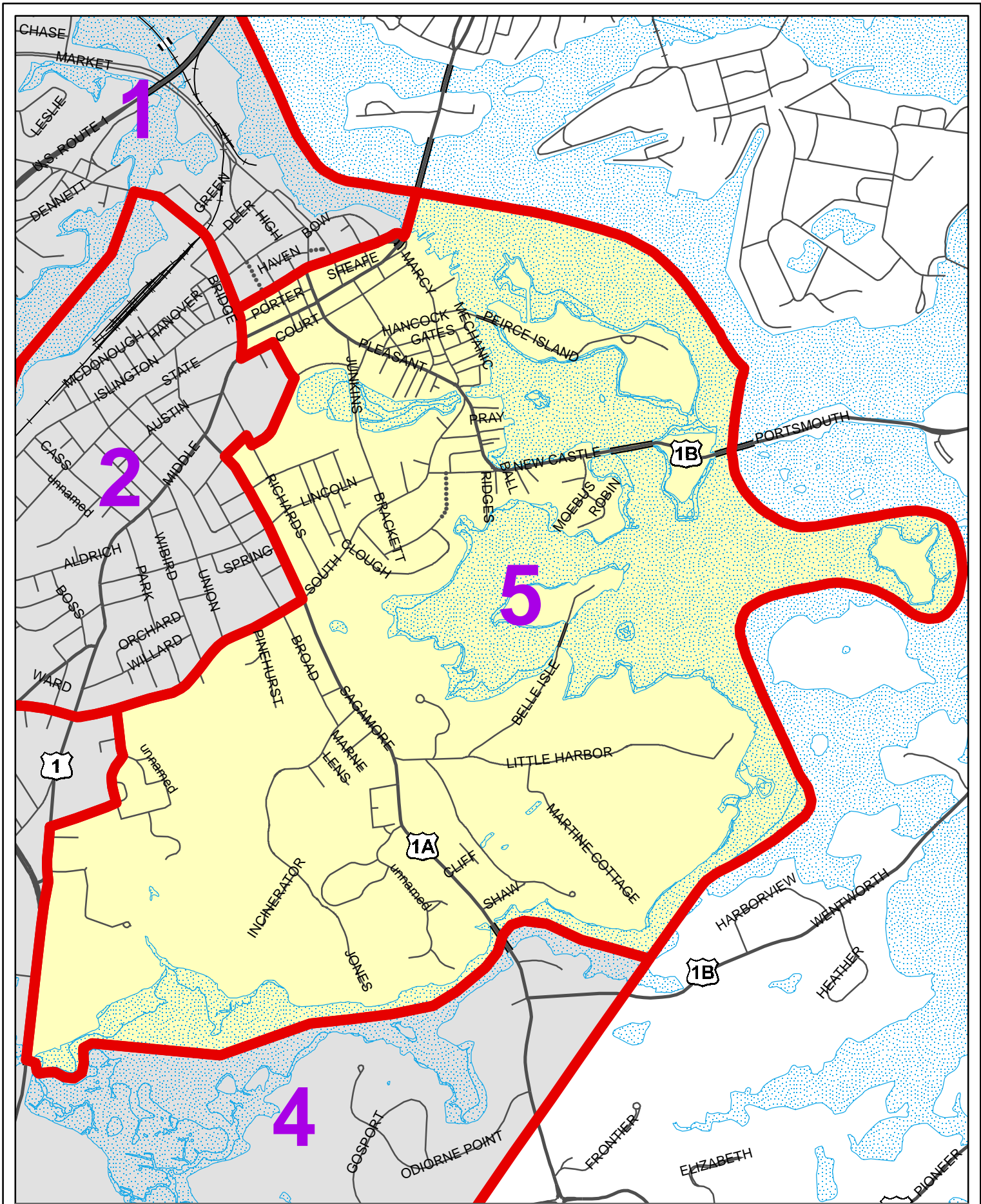
# Ward 4

12/15/2015

Map prepared by Portsmouth Department of Public Works

## WARD 4 STREETS

ADAMS AVE  
ANDREW JARVIS DR  
ANNE AVE  
ARTHUR RD  
BEECHSTONE ST  
BLUEFISH BLVD  
CLEVELAND DR  
CODFISH CORNER RD  
COOLIDGE DR  
DESFOSES AVE  
DOLPHIN DR  
DWIGHT AVE  
EASTWOOD DR  
EDGEWOOD RD  
ELWYN RD  
ELWYN RD EXT  
FILLMORE RD  
FW HARTFORD DR  
GARFIELD RD  
GOSPORT RD  
GRANT AVE  
GRANT WAY  
GREENLEAF AVE  
GREENLEAF WOODS DR  
HARDING RD  
HARRISON AVE  
HAYES PL  
HILLSIDE DR  
HOLIDAY DR  
HOOVER DR  
JENKINS AVE  
JOAN AVE  
LAFAYETTE RD  
LANG RD  
LONGMEADOW RD  
MACKEREL AVE  
MCKINLEY RD  
MIDDLE RD  
MIRONA RD  
MONROE ST EXT  
NIXON PARK  
OAKWOOD DR  
OCTOPUS AVE  
ODIORNE POINT RD  
PEVERLY HILL RD  
PHEASANT LN  
PIERCE PL  
POLK AVE  
REGINA RD  
RICCI AVE  
ROBERT AVE  
ROCKAWAY ST  
SAGAMORE AVE  
SAGAMORE GRV  
SALMON AVE  
SHERIDAN AVE  
SOUTH ST  
SPRINGBROOK CIR  
SQUID ST  
STONECROFT RD  
STRIPED BASS AVE  
SUMMIT AVE  
TAFT RD  
TAYLOR LN  
TJ GAMESTER AVE  
TRUMAN PL  
TUNA TER  
TYLER PL  
U.S. ROUTE 1 BYP  
unnamed  
URCHIN AVE  
VAN BUREN AVE  
WENTWORTH HOUSE  
RD  
WHITE CEDAR BLVD  
WILSON RD



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0 0.25 Miles  
1 inch = 1,500 feet

**Ward 5**

12/15/2015

Map prepared by Portsmouth Department of Public Works

## WARD 5 STREETS

ANDREW JARVIS DR  
ARTWILL AVE  
ATKINSON ST  
BALL ST  
BAYCLIFF RD  
BELLE ISLE RD  
BLOSSOM ST  
BOYAN PL  
BRACKETT LN  
BRACKETT RD  
BROAD ST  
CHAPEL ST  
CHESTNUT ST  
CHURCH ST  
CLIFF RD  
CLOUGH DR  
CONGRESS ST  
COURT PL  
COURT ST  
CURRIER'S CV  
CUSTOM HOUSE CT  
DANIEL ST  
DRIFTWOOD LN  
DUTTON AVE  
EDWARD ST  
ELWYN AVE  
FERNALD CT  
FLEET ST  
FRANKLIN ST  
GARDNER ST  
GATES ST  
GRAY'S LN  
HANCOCK ST  
HAVEN RD  
HOLMES CT  
HOWARD ST  
HUMPHREY'S CT  
HUNKING ST  
INCINERATOR RD  
JOHNSON CT  
JONES AVE  
JUNKINS AVE  
KENT ST  
LAFAYETTE RD  
LEDGEWOOD DR  
LENS AVE

LINCOLN AVE  
LITTLE HARBOR RD  
LIVERMORE ST  
LOOKOUT LN  
MANNING ST  
MARCY ST  
MARKET SQ  
MARNE AVE  
MARTINE COTTAGE RD  
MCNABB CT  
MECHANIC ST  
MEETING HOUSE HILL RD  
MELCHER ST  
MIDDLE ST  
MILLER AVE  
MOEBUS TER  
MT VERNON ST  
NEW CASTLE AVE  
PARROTT AVE  
PARTRIDGE ST  
PEIRCE ISLAND RD  
PENHALLOW ST  
PICKERING AVE  
PICKERING ST  
PINEHURST RD  
PLEASANT POINT DR  
PLEASANT ST  
PORTER ST  
PRAY ST  
RAND CT  
RICHARDS AVE  
RICHMOND ST  
RIDGES CT  
ROBIN LN  
ROCKLAND ST  
ROGERS ST  
SAGAMORE AVE  
SALTER ST  
SCOTT AVE  
SHAW RD  
SHEAFE ST  
SHERBURNE AVE  
SOUTH MILL ST  
SOUTH SCHOOL ST  
SOUTH ST  
STATE ST

SUMMIT AVE  
VERDUN AVE  
VERSAILLES AVE  
WALDEN ST  
WALKER BUNGALOW RD  
WALTON ALY  
WASHINGTON ST  
WATER ST  
WEBSTER WAY  
WENTWORTH ST  
WHIDDEN ST